



Motors catalog

Motors Series 0



Motors Series 1



Motors Series 2



Motors Series 2,5

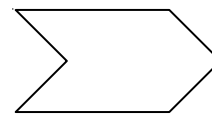


Motors Series 3

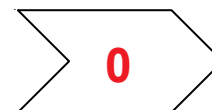


MOTORS CATALOGUE

Characteristics and Codification



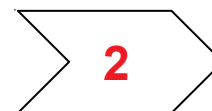
Hydraulic gear motors
Series 0 Flat front body



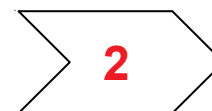
Hydraulic gear motors
Series 1 Flat front body



Hydraulic gear motors
Series 2 Flat front body



Hydraulic gear motors
Series 2 Thick front body



Consult us for availability

Hydraulic gear motors
Series 2,5 Flat front body

**2,5**

Hydraulic gear motors
Series 2,5 Thick front body

**2,5**

Hydraulic gear motors
Series 3 Flat front body

**3**

Hydraulic gear motors
series 3 Thick front body

**3**

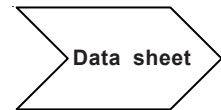
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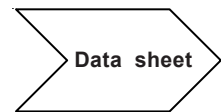
Characteristics and Codifications

Recommendations for installing and maintenance Motors



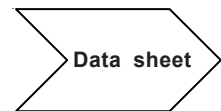
F.T R 0152

Oil recommendations



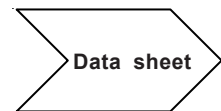
F.T R 0003

Recommendation concerning the drive type of Motors



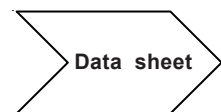
F.T R 0009

Codification of Motors



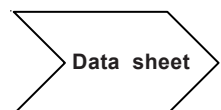
F.T R 0243

Motors Characteristics



F.T R 0054

Compensation CIP 3G



F.T R 0269

Our motors were studied and manufactured to bring you complete satisfaction. They were designed with first quality materials, produced according to modern processes and controlled by strict tests . However, for the best use, it is absolutely necessary to make some arrangements when mounting and when using. The major 10 are the following:

1- Mounting

On a rigid support, fixed to the driving motor, make sure of the perfect concentricity of the pump centering with the driving shaft (5/100 maximum, when reading), according to the series. If the front body has a sealing (O-ring on the centering diameter), you may oil the seal during the assembly on the machine. Motor can be placed in whatever position.

2- Driving

Apart from the driving torque, no radial nor axial effort must be applied on motor shaft to ensure a good efficiency and a good service. See technical data sheet F.T R 0009 (motor with outrigger bearing excepted).

In an installation with:

- rapid duty cycle.
- frequent pressure variations.
- high working pressure.
- important variation of the hydraulic motor speed.

it is recommended to examin the motor coupling regularly and to slightly lubricate the shaft and the sleeve coupling to avoid frictional oxidation phenomena (fretting).

When the motor is driven with parallel keyed or splined shaft, it is recommended that the shaft be lubricated with bearing grease containing molybdenum disulphide.

3- Pipes

Selecting the correct pipe is very important . Apart from flexible hoses, use preferably cold drawn stel tubes, free from calamine and oxidation inside.

Alll hoses must be properly burred and cleaned. No trace of stranger bodies nor dust must be left; make sure of this before the mounting.

- 1) Never hot-bend hoses so as to avoid oxidation disposals.
- 2) Seal hose or pipe end during storage.
- 3) During the mounting, do not leave them on the floor.
- 4) Make sure of their cleanness until the final mounting.

Suction hose:

It must be made in such a manner so as to get a maximum oil speed of 2,5 m/s, less if possible, mostly for big flows.

Dimensions readings and approximative characteristics subject to modifications.

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Below are some flow indications according to the dimensions of hoses:

1 / 4 "	8 x 13	=	8 l / min
3 / 8 "	12 x 17	=	17 l / min
1 / 2 "	15 x 21	=	27 l / min
3 / 4 "	21 x 27	=	52 l / min
1 "	26 x 34	=	80 l / min
1 " 1 / 4	33 x 42	=	130 l / min
1 " 1 / 2	40 x 49	=	190 l / min
2 "	50 x 60	=	295 l / min
2 " 1 / 2	66 x 76	=	513 l / min
3 "	80 x 90	=	750 l / min

The hose must be as straight as possible. Avoid elbows and connections. Straight angle elbows are prohibited. Narrowing forbidden.

The suction hose must be as short as possible (inferior to 1,50 m); beyond this length, lower the flow speed and ask our Technical Departments for information.

The level between the suction port and the oil must not exceed 0,75 m when the tank is lower down. It is recommended to place the tank on load, that is to say above the pump.

Do not use soft materials to make hoses, depression and temperature tending to bring sided closer and reduce the flow surface.

Take care of the good screwing of connections to avoid air inlet.

4- Tanks

Tank capacity must be so that in maximum duty, the oil temperature must stabilize at maximum 50 / 60 ° . The quantity of oil that can be taken to ensure the various cycles must be taken into account.

The purpose of a tank, in addition of being a receiver, is to quickly dissipate the calories stored by the circuit when there is no cooling device beside.

Furthermore, it must allow the oil to clarify from the possible emulsions and consequently to avoid the creation of emulsion.

All hoses leading to tank must dive into the fluid.

The fluid coming back to tank must come back to tank very slowly to avoid disturbances on the suction hose.

Tank must be perfectly clean, realized in teme plate or fitted with an hydrocarbon-resistant inside painting.

It must be designed in order that an inspection flap allows a careful cleaning before mounting and during maintenance.

It must be dustproof.

The shape must be simple, either parallelepipedal or cylindrical.

Dimensions readings and approximative characteristics subject to modifications.

F.T.R 0152 2/4

Level control (tightness of connections)

One of the maintenance factors is watching the tank level.

According to the tank capacity, a continuous hose or connector leakage may lead to significant motor oil loss.

Consequences are always damaging to the motor: possible air suction, increased circuit temperature, oil-aging, etc

It is therefore necessary to examine regularly all circuit connections to make sure that there is no leakag.

5- Oil filtration

To ensure the motor a good efficiency and a long life duration, the filtration of the hydraulic fluid is indispensabl .

Do not forget that the pump and the various components of the circuit are lubricated by the convoyad fluid.

At suction : Fit the suction hose with a suction strainer submerged in the tank, the filtration efficiency of which shall be 125 µ.

Do not use a suction strainer with a higher efficiency owing to possible underfeeding effects on the motor.

Flow capacity: 1 dm2 for a flow of 10 l / min.

At pressure or at tank return : Filter having a filtration capacity of 10 or 15 µ. A metal filter can be used.

6- Air filtration

Most of the motors are prematurely aging due to abrasion coming from external elements to the tank . It is indispensable to fit the tank with a true air filter and not a simple breather.

The air filter must have a 5 µ filtration efficiency.

All othe parts of the tank must be airproo .

7- Pump Protection

All hydraulic installations must have a pressure relief valve to protect the motor, and this for each direction of rotation.

Several kinds can be employed:

- manually operated.
- differential.
- piloted.

Whatever the type, the following is required:

- quick opening.
- low opening range (lower than 20 bar)
- low closing range (lower than 10 bar)
- It must be pulsationfree.
- Make sure of the flow capacity of the pressure relief valve according to the pump flow.

Dimensions readings and approximative characteristics subject to modifications.

F.T.R 0152 3/4

8- Fluid to be employed

A good quality of oil is to be used.

The more important the duty cycle is, the higher the pressure and driving speed are, the more indispensable it is to choose a good quality of fluid.

An oil with viscosity 4 to 5 °E (30 to 40 cSt) to 40 °C must be used.

Take into account the fact that the higher the circuit temperature is, the more necessary it is to choose a high viscosity oil.

In many applications, motor oils can be used; they bring excellent results. For lubrication and life duration, choose class SAE 20 - 40 multigrade oils.

9- Maximum working temperature

Maintaining an hydraulic circuit requires a control, particularly of the oil temperature.

In general, it is recommended not to exceed 50 to 60 °C. If the latter temperature is exceeded, it would be necessary either to increase the tank volume, or to use a cooler.

Also check whether circuit obstructions or abnormal rolling of some distribution or regulation devices are not causing the heating.

In case the working or ambient temperature conditions require a working temperature higher than 60 °C, it is then necessary to use a higher viscosity oil (for instance, 5 °E at 70 °C instead of 50 °C).

Ambiant temperature - 15 °C to + 60 °C.

Also make sure that no external heat supply disturbs the functioning of the motor . In this case, inform our Technical Department who will give you useful advices, among others Viton seals for temperatures between 70 and 130 °C will be recommended

(example : hydraulic motor in contact with the carter of a diesel motor that can work under temperatures of 120 °C).

10- Oil aging

The use of an oil that has lost its lubrication properties is a cause for wear and tear of the motor and of the circuit devices.

Temperature variations, rolling in the distribution and regulation valves cause a molecular modification of the fluid in the more or less long-term.

The rapidity of the aging depends on the oil volume in the circuit, on the important temperature variation and on the rolling under pressure.

According to the energy conversion rate of the circuit, it is necessary to provide for changing oil between 500 and 1000 duty hour .

(N.B: analysis in case of a big quantity of oil).

11- Additional information

For any further details, seek advice from our Technical Departments.

Dimensions readings and approximative characteristics subject to modifications.

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Dimensions readings and approximative characteristics subject to modifications.

F.T.R 0003

TYPE	ISO	CASTROL	ELF	ESSO	FINA
HM	32	HYSPIN AWS 32	ELFOLNA DS 32	NUTO H 32	HYDRAN TS 32
	46	HYSPIN AWS 46	ELFOLNA DS 46	NUTO H 46	HYDRAN TS 46
	68	HYSPIN AWS 68	ELFOLNA DS 68	NUTO H 68	HYDRAN TS 68
HV	32	HYSPIN AWH 32	HYDRELF DS 32	UNIVIS N 32	HYDRAN TSX 32
	46	HYSPIN AWH 46	HYDRELF DS 46	UNIVIS N 46	HYDRAN TSX 46
	68	HYSPIN AWH 68	ELFOLNA DS 68	UNIVIS N 68	HYDRAN TSX 68
HE	32	CARELUBE HTG 32			BIOHYDRAN TMP 32
	46			UNIVIS BIO SHP 46	BIOHYDRAN TMP 46
	68				BIOHYDRAN TMP 68
OILS DIESELS MOTORS			PERFORMANCE XR 15W-40	FARM 4 15W-40	KAPPA SUPER 10W
		RX SUPER PLUS 15W-40	PERFORMANCE SUPER D 15W-40	ESSOLUBE X 301 10W	KAPPA SUPER 20W20
			PERFORMANCE TROPHY DX 15W-40	ESSOLUBE XT 301 15W-40	KAPPA SUPER 15W40

TYPES	ISO	FUCHS LUBRIFIANTS INDUSTRIE	MOBIL	SHELL	TOTAL
HM	32	RENOLIN EXTRA 32S	MOBIL DTE 24	TELLUS 32	AZOLL ZS 32
	46	RENOLIN EXTRA 46S	MOBIL DTE 25	TELLUS 46	AZOLLA ZS 68
	68	RENOLIN EXTRA 68S	MOBIL DTE 26	TELLUS 68	AZOLLA ZS 68
HV	32	RENOLIN EQUIGRADE 32	MOBIL DTE 13 M	TELLUS T et ST 32	EQUIVIS ZS 32
	46	RENOLIN EQUIGRADE 46	MOBIL DTE 15 M	TELLUS T et ST 46	EQUIVIS ZS 46
	68	RENOLIN EQUIGRADE 68	MOBIL DTE 16 M	TELLUS T et ST 68	EQUIVIS ZS 68
HE	46			NATURELLE HFE	HYDROBIO 46
OILS DIESELS MOTORS		TITAN TRUCK 15W-40			RUBIA S 10W
		TITAN UNIVERSAL HD 15W-40		RIMULAX 15W - 40	
		TITAN UNIVERSAL HD 20W-50			

OILS TYPE HM : Refined mineral oils with anti-rust, anti - oxydation and anti - wear properties.
Application hydraulic systems in general. (Max pressure 2900 PSI, Max speed 2000 RPM)

OILS TYPE HV : Oils type HM with improved viscosity / temperature properties.
Application car industry, marine equipment, high performance hydraulic (high pressures and speds).

OILS TYPE HE : Biodegradable hydraulic oils, synthetic base (esters).
Can be used in all hydraulic equipments requiring a HV oil.

OILS TYPE HFAE, HFAS, HFB, HFC, HFD : Water emulsion in oil or synthetic fluid, consult our technical departments.
The type of elastomer and the compatibility definition must be subject to an agreement between the supplier and the final customer.

As the JTEKT-HPI hydraulic motors are designed with shafts on bush bearings, it is necessary to avoid any axial or radial load and, in order to obtain the best performances and a longer life time, to pay some keen attention to the transmission driving type.

The hereunder sketches show the couplings to realize or to proscribe in order to avoid any kind of damage of the motor.

Recommended couplings:

F.T R 0009 1/3 2/3

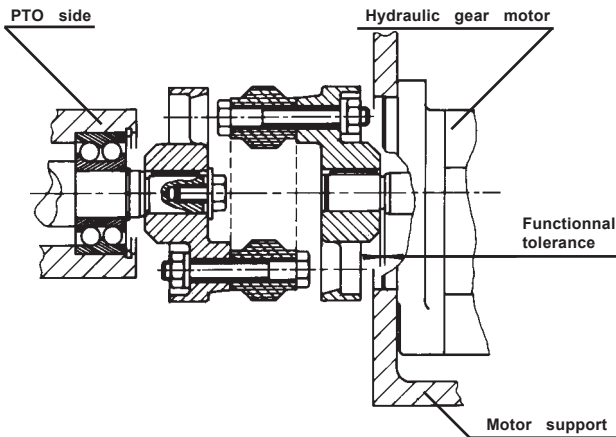
Conditionnally recommended couplings:

F.T R 0009 2/3 3/3

Proscribed couplings:

F.T R 0009 3/3

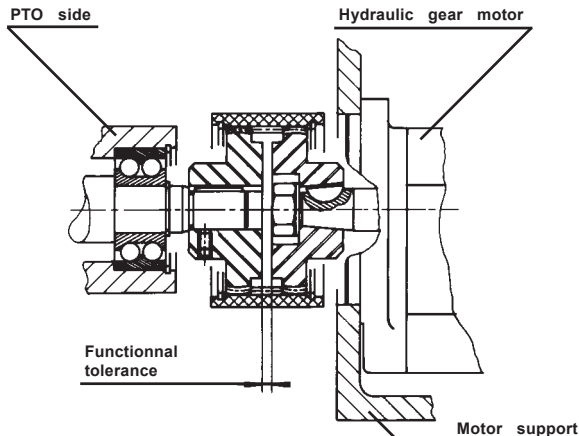
RECOMMENDED COUPLINGS



Mounting with elastic 3 parts coupling.

The motor shafts can be:

- Straight keyed shafts
- Tapered shafts
- Splined shafts



Mounting with 3 parts coupling with bulged gear.

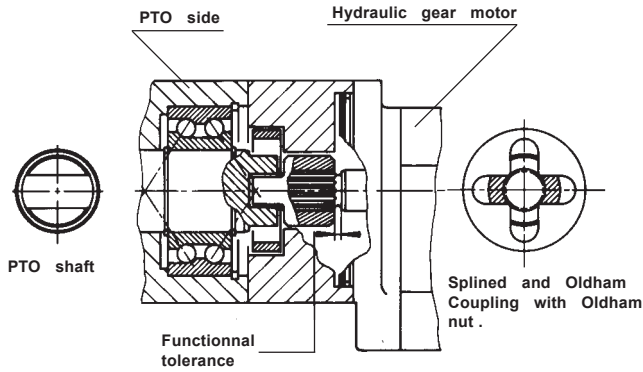
The motor shafts can be:

- Straight keyed shafts
- Tapered shafts
- Splined shafts

Dimensions readings and approximative characteristics subject to modifications.

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RECOMMENDED COUPLINGS

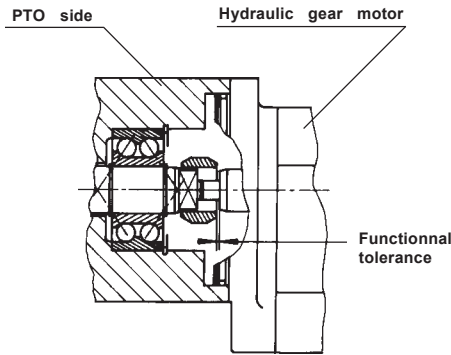


Mounting with coupling and Oldham coupling.

The motor shafts can be:

- Straight keyed shafts
- Tapered shafts
- Splined shafts

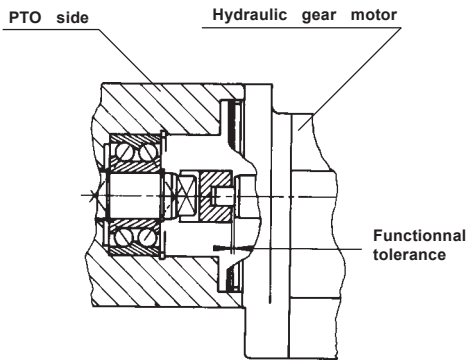
RECOMMENDED LUBRICATION.



Mounting with Oldham coupling.

Tang drive shaft on PTO and motor shaft.

RECOMMENDED LUBRICATION.

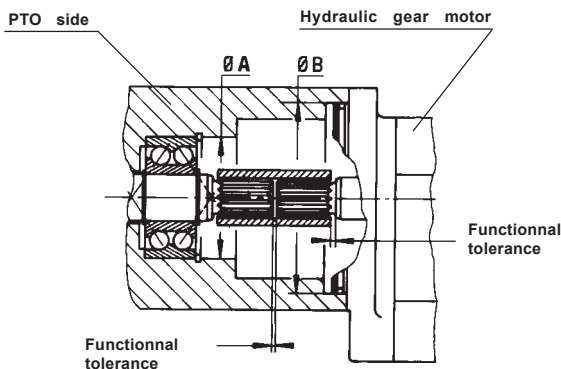


Mounting with Oldham coupling.

Tang drive shaft on PTO and motor shaft.

RECOMMENDED LUBRICATION.

CONDITIONALLY ALLOWED COUPLINGS



Mounting with splined coupling (Spigot on free flank).

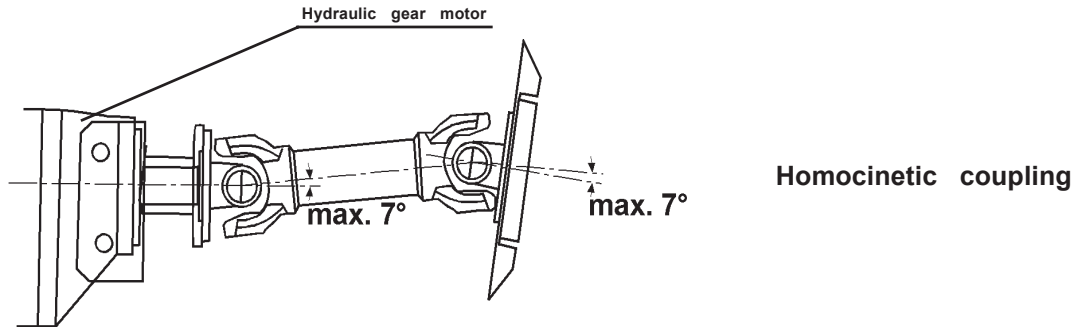
Tolerated coupling provided that there is a perfect concentricity between Ø A and Ø B.

Concentricity $\leq 0,03$ (according to the motor type and capacity).

Dimensions readings and approximative characteristics subject to modifications.

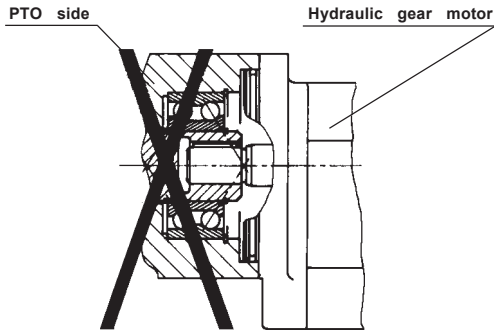
F.T.R 0009 2/3

CONDITIONALLY ALLOWED COUPLINGS



PROSCRIBED COUPLINGS

(Direct drive of the motor shaft on the PTO shaft)

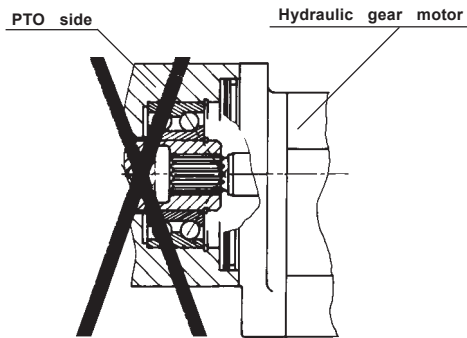


Straight keyed drive.

Hyperstatic mounting.

Impossibility to line up properly the motor shaft and the PTO shaft.

INEVITABLE PUMP SHAFT - CONSTRAINT

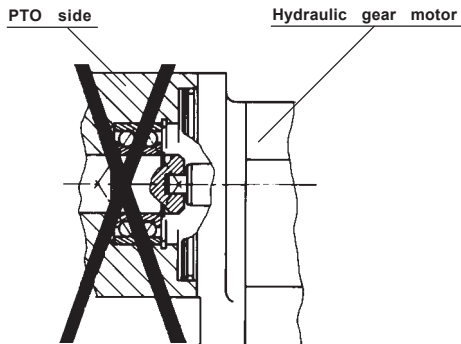


Splined drive.

Hyperstatic mounting.

Impossibility to line up properly the motor shaft and the PTO shaft.

INEVITABLE PUMP SHAFT - CONSTRAINT



Tang drive.

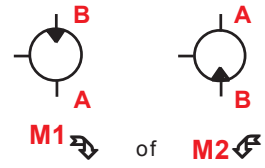
Motor shaft directly into the PTO shaft.

INEVITABLE PUMP SHAFT - CONSTRAINT

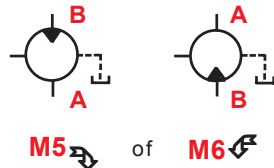
Dimensions readings and approximative characteristics subject to modifications.

F.T.R 0009 3/3

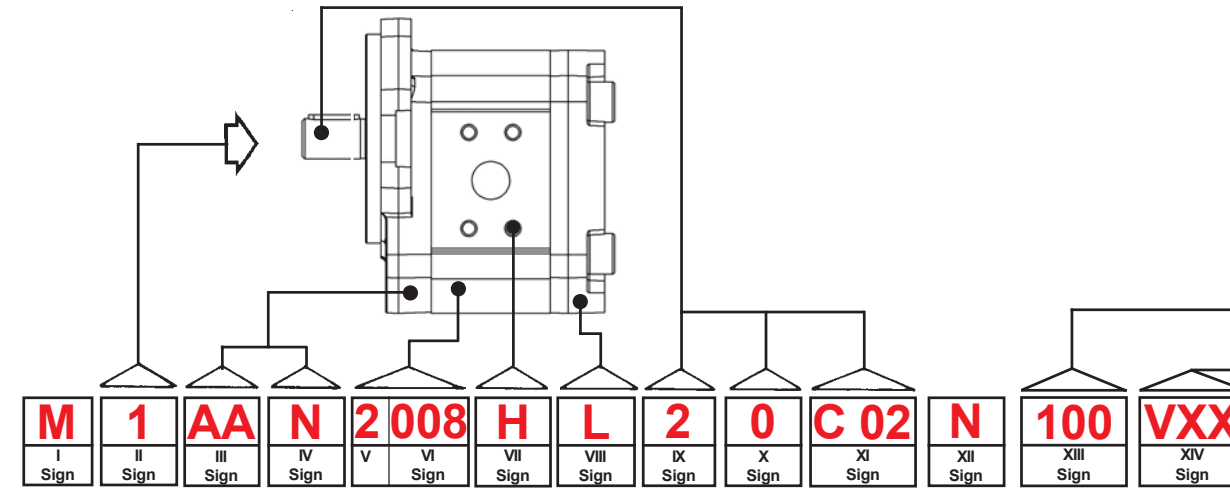
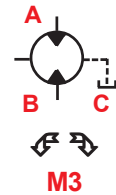
1 Direction



1 Direction with counter pressure



2 Direction with counter pressure



CAUTION:
The signes XIII and XIV are valid only for the motors with relief valve. (see rear bodies technical data sheet according to the series concerned))

TYPE

Motor **P**

DIRECTION of ROTATION

- Clockwise **1**
- Anti-clockwise **2**
- 2 Direction with counter pressure **3**
- 1 Direction (Clockwise) with counter pressure **5**
- 1 Direction (Anti-clockwise) with counter pressure **6**

FRONT BODY

- MOUNTING FLANGE
- 2 and 4 holes (USA - ISO) **A**
 - 4 holes (Englisch - Italian) **B**
 - 2 and 4 holes (French) **C**
 - 2 and 4 holes (German) **D**

A, B, C, D, E, F, J, L, R, W, Z.....
Execution variation

- FLAT FRONT BODY
- without tightness on spigot joint **N**
 - with tightness on spigot joint **K**

- THICK FRONT BODY WITH FRONT BEARING
- Power Series
- without tightness on spigot joint **P**
 - with tightness on spigot joint **R**

TYPE of the SERIES

- Series **0** 0,50 - 0,75 - 1,00 - 1,25 - 1,50 - 2,00
- Series **1** (00)2 - (00)3 - (00)4 - (00)5 - (00)6
- Series **2** (00)6 - (00)8 - (0)10 - (0)12 - (0)14 - (0)15 - (0)17 - (0)18 - (0)22 - (0)26 - (0)30
- Series **2,5** 12 - 15 - 17 - 18 - 22
- Series **3** (0)31 - (0)40 - (0)50 - (0)60 - (0)71 - (0)80 - (0)90 - 100

CAPACITY in the SERIES (cc / rev)

- Series **0** 0,50 - 0,75 - 1,00 - 1,25 - 1,50 - 2,00
- Series **1** (00)2 - (00)3 - (00)4 - (00)5 - (00)6
- Series **2** (00)6 - (00)8 - (0)10 - (0)12 - (0)14 - (0)15 - (0)17 - (0)18 - (0)22 - (0)26 - (0)30
- Series **2,5** 12 - 15 - 17 - 18 - 22
- Series **3** (0)31 - (0)40 - (0)50 - (0)60 - (0)71 - (0)80 - (0)90 - 100

Préfixe(0) only to get the conformity of the codification

Pressure
Speed of rotation

SHAFT SEAL

- N** Nitrile
- V** Viton

PRIMARY SHAFT CODE

see data sheets

TYPE of SHAFT

- Front
- Rear
- 1** Tapered
- 2** Straight keyed
- 3** Splinned
- 4** Tang
- 0** without shaft

REAR BODY

- L** not port on rear body (Standard)
- A** External flow control
- X** High pressure relief valve, internal pressure
- T** High pressure relief valve, external pressure
- Q** Internal flow control
- AR** with block, configuration MBPS

PORTS LOCATION

- H** Implantation HPI
- C** Square location
- F** Threaded ports
- Y** ISO location (Norm 6162)
- B** Italian location
- U** SAE threaded location (Norm J475)
- X** without ports (Mounting with rear body Typ A)

Non Standard Product, Contact us

Dimensions readings and approximative characteristics subject to modifications.

F.T R 0243

SERIES	MODEL	Capacity cc / rev	MINI SPEED RPM	MAXI PRESSURE at MINI SPEED		MAXI SPEED RPM	MAXI PRESSURE at MAXI SPEED		NOMINAL FLOW		input power in kW at 1000 RPM and 100 bar	Input torque at 100 bar in m.daN	approx. weight Kg
				bar	PSI		bar	PSI	at 1500 rev / min	at maxi speed			
									l / min	l / min			

0

0050	0,50	500	100	1450	8000	250	3625	0,75	4	0,10	0,54	0,42
0075	0,75	500	100	1450	8000	220	3190	1,12	6	0,15	1,40	
0100	1	500	100	1450	8000	200	2900	1,50	8	0,20	1,87	0,45
0125	1,25	500	100	1450	6000	150	2175	1,87	7,5	0,25	2,34	
0150	1,50	500	100	1450	6000	120	1740	2,25	9	0,29	2,81	
0200	2	500	100	1450	5000	100	1450	3	10	0,39	3,74	0,50

1

1002	2,05	1000	200	2900	8000	250	3625	3,07	16,4	0,40	3,83	0,9
1003	3,07	1000	200	2900	7000	250	3625	4,60	21,4	0,60	5,74	
1004	4,09	800	175	2537	6000	200	2900	6,13	24,5	0,80	7,65	1,1
1005	5,12	500	150	2175	6000	175	2537	7,68	30,7	1	9,58	
1006	6,14	400	150	2175	6000	175	2537	9,21	30,7	1,20	11,49	

2

2006	6,45	300	150	2175	4000	250	3625	9,67	22,5	1,26	12,07	1,6
2008	8,25	300	150	2175	4000	250	3625	12,37	28,8	1,62	15,43	1,7
2010	10,12	300	150	2175	4000	250	3625	15,18	35,3	1,98	18,93	1,7
2012	12	250	150	2175	4000	250	3625	18	42	2,35	22,45	1,7
2014	13,8	200	200	2900	3500	225	3260	20,7	48,3	2,71	25,81	2
2015	15,52	200	200	2900	3500	225	3260	23,25	52,5	3,04	29,03	2,1
2017	17,3	200	200	2900	3500	225	3260	25,95	60,55	3,39	32,36	2,1
2018	19,12	200	150	2175	3500	175	2537	28,65	66,8	3,75	35,77	2,2
2022	22,87	200	150	2175	3500	150	2175	34,2	79,8	4,48	42,78	2,3
2026	27,6	200	150	2175	3000	150	2175	41,4	82,8	5,41	51,63	2,7
2030	31,2	200	150	2175	3000	150	2175	46,8	93,6	6,12	58,36	2,8

Dimension readings and approximative characteristics subject to modifications

F.T R 0054 1/2



Consult us for availability

SERIES	MODEL	Capacity cc / rev	MINI SPEED RPM	MAXI PRESSURE at MINI SPEED		MAXI SPEED RPM	MAXI PRESSURE at MAXI SPEED		NOMINAL FLOW		input power in kW at 1000 RPM and 100 bar	Input torque at 100 bar in N.m	approx. weight Kg
				bar	PSI		bar	PSI	at 1500 rev / min	at maxi speed			
									l / min	l / min			

2,5

2512	12	250	200	2900	4000	225	3260	18	48	2,35	22,45	2,3
2515	15,52	200	200	2900	3500	225	3260	23,25	52,5	3,04	29,03	2,6
2517	17,3	200	200	2900	3500	225	3260	25,95	60,55	3,39	32,36	2,6
2518	19,12	200	150	2175	3500	175	2537	28,65	66,8	3,75	35,77	2,7
2522	22,87	200	150	2175	3500	150	2175	34,2	79,8	4,48	42,78	2,8

3

3025	25,8	300	200	2900	3000	250	3625	38,7	77,4	4,90	4,63	5,6
3031	32,1	300	200	2900	3000	225	3260	48,15	96,3	6,10	5,73	5,6
3040	41,5	250	200	2900	3000	225	3260	62,25	124,5	7,85	7,37	5,7
3050	51,65	250	200	2900	3000	225	3260	77,47	154,9	9,77	9,21	6,9
3060	62,6	200	175	2537	3000	200	2900	93,9	156,5	11,85	11,05	7
3071	73,55	200	150	2175	2500	200	2900	110,32	183,8	13,92	13,08	7
3080	82,95	200	125	1812	2500	175	2537	124,42	182,4	15,59	14,60	7,1
3090	92,95	200	125	1812	2000	175	2537	139,42	185,9	17,47	16,47	7,8
3100	103,9	200	125	1812	2000	175	2537	155,85	207,8	19,40	18,17	8

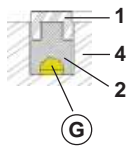
Dimension readings and approximative characteristics subject to modifications

F.T R 0054 2/2



Consult us for availability

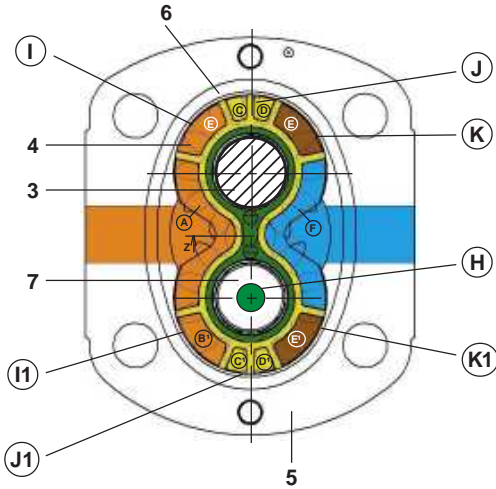
Section ZZ



- P1 A B B1
- G C D C1 D1
- E E1
- P2 F
- H

Balanced system zones

- High pressure (primary pressure)
- Median pressure
- Average pressure
- Counter pressure from 0 to P max (secondary pressure)
- Low pressure (communication with tank)



- 1 Anti-extrusion seal of the integral compensation
- 2 Tightness seal of the integral compensation
- 3 Driving shaft
- 4 Monoblock bearing
- 5 Body of motor
- 6 Tightness seal in between bodies
- 7 Driven shaft

FUNCTIONS: I (I1) Feeding canal of zone B (B1)
J (J1) Bi-operation feeding canal of zones C-D (C1 - D1) and G
M (M1) Feeding canal of zone E

Dimensions readings and approximative characteristics subject to modifications.

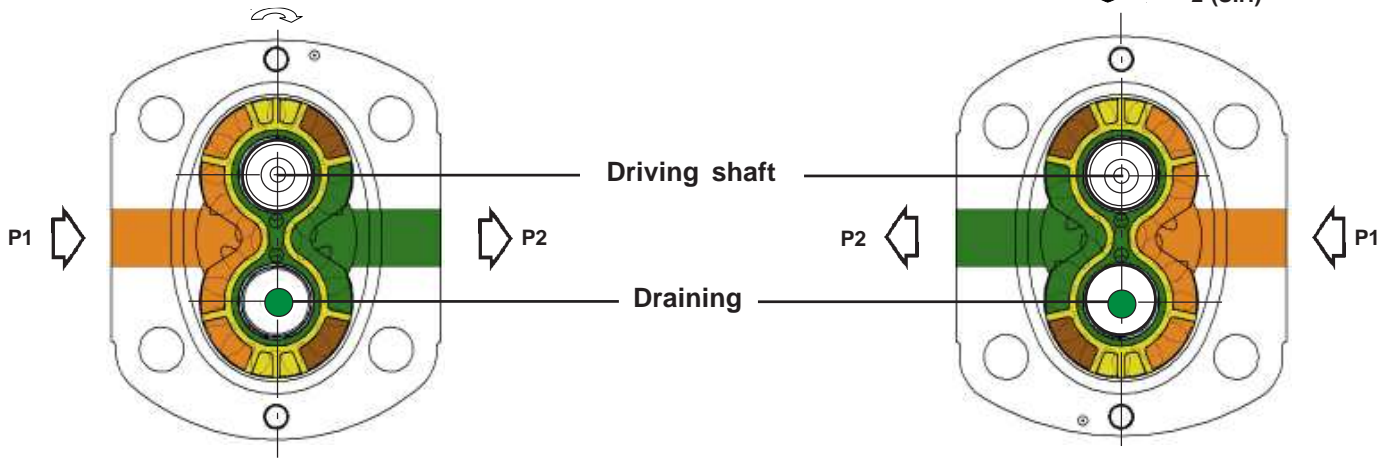
C.I.P 3G.M5

1 way rotation without counter-pressure

C.I.P 3G.M6

Clockwise 1 (SH)

Anti-Clockwise 2 (SIH)



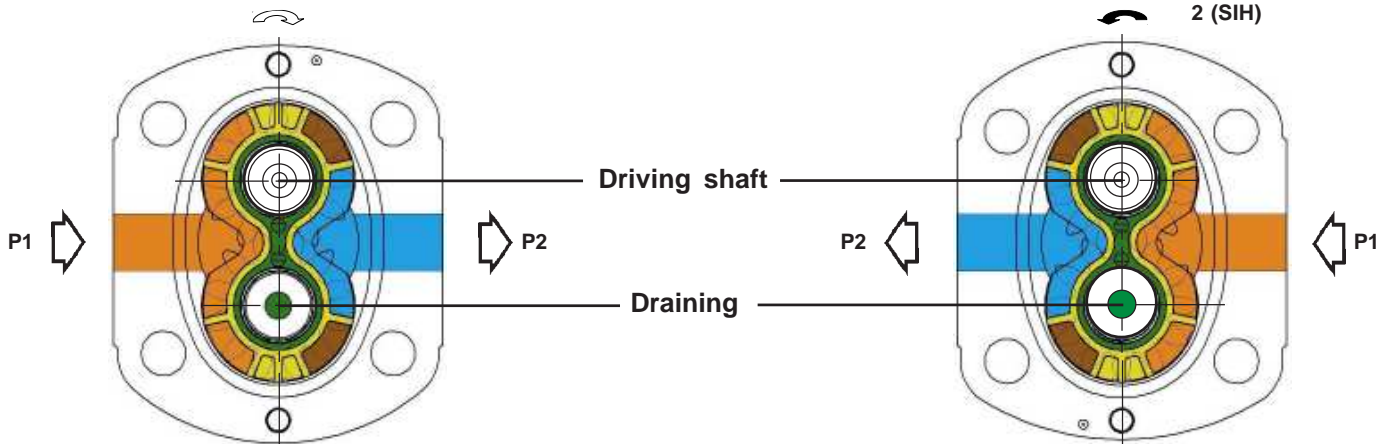
C.I.P 3G.M3

1 or 2 ways rotation with counter-pressure

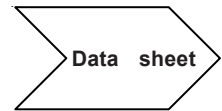
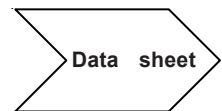
C.I.P 3G.M3

Clockwise 1 (SH)

Anti-Clockwise 2 (SIH)



F.T.R 0269

MOTORS PRESENTATION
SERIES 0**F.T 00 1420****MOTOR AAN****F.T 00 1421****MOTOR AAK****F.T 00 1422****MOTOR DCN****F.T 00 1423****MOTOR DCK****F.T 00 1424**

Consult us for availability

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at $\Delta P \leq 100$ bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
0050	0,50	200	2900	230	3335	250	3625	5000	6000	800	1200	1500	5000	0,42
0075	0,75	175	2537	200	2900	220	3190	5000	6000	800	1200	1500 ^{220 bar}		
0100	1	160	2320	180	2610	200	2900	5000	6000	800	1200	1500 ^{200 bar}		
0125	1,25	100	1450	120	1740	150	2175	3500	4500	500	1000 ^{150 bar}			0,45
0150	1,50	70	1015	90	1305	120	1740	3500	4500	500	1000 ^{150 bar}			
0200	2	70	1015	85	1232	100	1450	3000	4000	500	1000 ^{150 bar}			0,50

The working cycles mentioned above are possible with hydraulic mineral oil for between 12 and 150Cst - 65,2 and 700 SUS..

The minimum viscosity of 12 Cst / 65,2 SUS is available for a maximum temperature in the hydraulic circuit. Working temperatures : - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C / 284 °F with Viton shaft seal).

Full flow filtration from to 10 to 15 micron at the motor inlet or the return circuit.

MAXIMUM PRESSURE:

For the motors with one direction of rotation (M1/M2), the outlet pressure must not exceed 1 bar.

For the motors with two directions of rotation (M5/M6), the pressure in the drain line must not exceed 1 bar.

For the motors with two directions of rotation (M3), the pressure in the drain line must not exceed 1 bar.

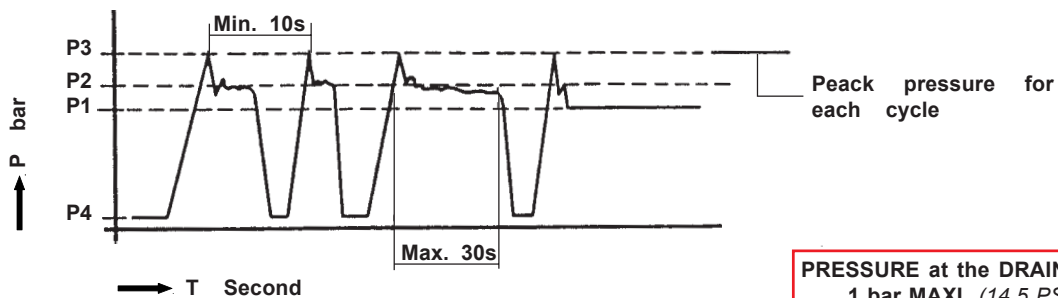
For the working conditions exceeding the above mentioned cycles or in case of torque transmission by driving belt, chain or toothed wheel, please contact our sales department.

(The tests are effected with the oil SHELL Tellus T 46)

The above technical data are valid for motor transmitting the torque by an elastic coupling, perfectly aligned, without any outside radial and axial forces.

On the hereunder indicated diagram, the maximum duty pressure are the following.

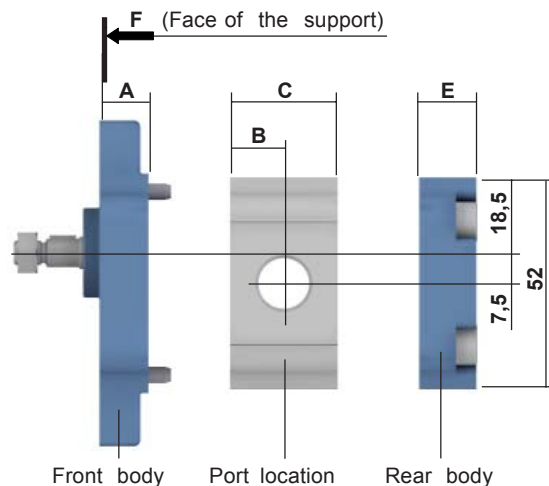
- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet $\leq P$ (Only in M3)



Front body:	A
AAN / AAK - DCN / DCK	12

Port location (Capacity):	B	C
0050 - 0075	13,2	26,4
0100 - 0125 - 0150	16,4	32,8
0200	20,6	41,2

Rear body:	E
L	14



Consult us for availability

M		III Sign	IV Sign	O	VI Sign	VII Sign	VIII Sign	IX Sign	X Sign	XI Sign	XII Sign
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For CODIFICATION, see data sheet **F.T R 0243**

DIRECTION of ROTATION (II Sign)					FLAT FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)	REAR BODY (VIII Sign)	DRIVING SHAFTS (IX, X and XI Sign)	
M1	M2	M3	M5	M6			F	L	STRAIGHT KEYED 20	TANG 40
X	X	X	X	X	<p>AAN / AAK</p> <p>DCN / DCK</p>	<p>0050</p> <p>0075</p> <p>0100</p> <p>0125</p> <p>0150</p> <p>0200</p>		<p>20 B01</p>	<p>40 C01</p> <p>40 C15</p>	
X	X	X	X	X						

LEGENDES

DIRECTION of ROTATION

- M1** = Clockwise
- M2** = Anti clockwise
- M3** = 2 Direction with Counter Pressure
- M5** = 1 Direction with Counter Pressure
- M6** = 1 Direction with Counter Pressure

FRONT BODIES

- AA*** = Fixing SAE and ISO
- DC*** = Fixing German

PORT LOCATION

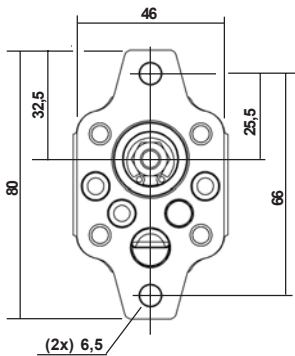
- F** = Threaded ports

REAR BODY

- L** = Standard

FLAT FRONT BODIES

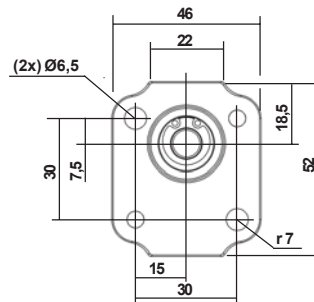
AAN / AAK



Centering: $\varnothing 22$ ^{-0,02}/_{-0,041}
Thickness: 4

AAN : F.T 00 1421
AAK : F.T 00 1422

DCN / DCK



Centering: $\varnothing 22$ ^{-0,02}/_{-0,041}
Thickness: 4

DCN : F.T 00 1423
DCK : F.T 00 1424

Dimensions readings and approximative characteristics subject to modifications.

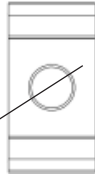
F.T 00 1420 2/3

Consult us for availability

CHOICE of IMPLANTATIONS of PORTS

F
(Threaded)

$\varnothing F$
effective depth G



Capacity	INLET					OUTLET				
	$\varnothing C$	D	E	$\varnothing F$	G	$\varnothing C$	D	E	$\varnothing F$	G
0050 to 0200				M14 x150	12				M14 x150	12

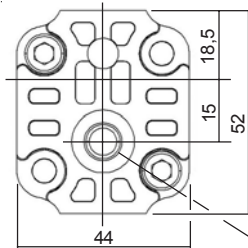
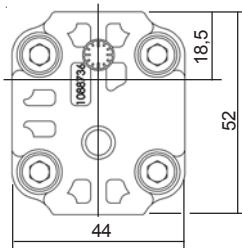
REAR BODY

MOTORS M1 - M2

MOTORS M3 - M5 - M6

L

Standard



Drainage 1/8" Gaz Prof. utile 7 pour moteur tournant dans les 2 sens de rotation, ou a 1 seul sens mais fonctionnant avec une contre pression sur l'orifice retour.

Couple de serrage maxi du raccord

30 N.m

DRIVING SHAFTS

Tapered

10

Straight keyed

20

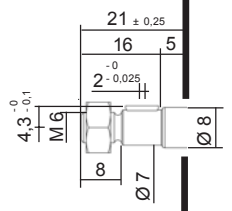
Splinned

30

Tang

40

B01

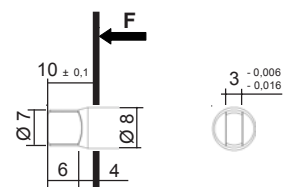


Delivered with Nut Ref.:K108328

Maxi transmissible torque

5 N.m

C01



Maxi transmissible torque

6 N.m

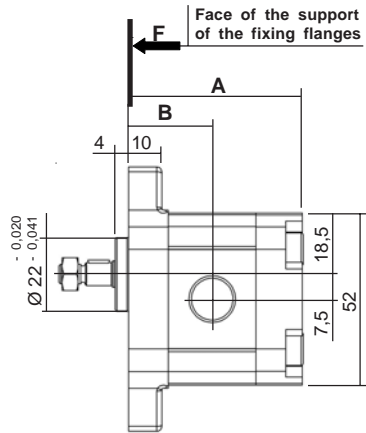
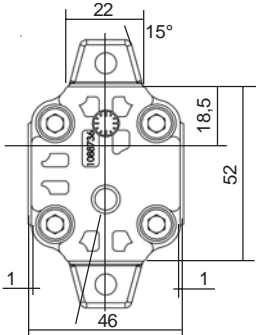
Dimensions readings and approximative characteristics subject to modifications.

F.T 00 1420 3/3



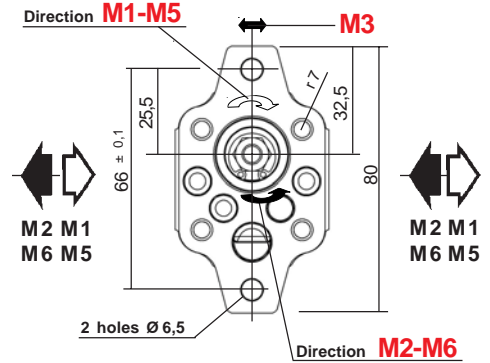
M II Sign AA N O VI Sign FL IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T R 0243



FACE OF THE SUPPORT OF THE FIXING FLANGES

PRESSURE at the DRAINING: 1 bar MAXI (14,5 PSI)



Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion 30 N.m

CHOICE of the Capacity	Dimensions	
	A	B
0050	52,6	25,2
0075	52,6	25,2
0100	59	28,4
0125	59	28,4
0150	67,5	32,6
0200	67,5	32,6

Seal kits:

M1 - M2
Nitrile: K5073819 Viton: K5073820
(For manufacture to since march 1991)

M3 - M5 - M6
Nitrile: K5071063 Viton: K5071064
(For manufacture to since march 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
0050	0,50	200	2900	230	3335	250	3260	5000	6000	800	1200	1500	5000	0,42
0075	0,75	175	2537	200	2900	220	3190	5000	6000	800	1200	1500 ^{220 bar}	5000	
0100	1	160	2320	180	2610	200	2900	5000	6000	800	1200	1500 ^{200 bar}	5000	
0125	1,25	100	1450	120	1740	150	2175	3500	4500	500	1000 ^{150 bar}	1000 ^{150 bar}	3500	0,45
0150	1,50	70	1015	90	1305	120	1740	3500	4500	500	1000 ^{150 bar}	1000 ^{150 bar}	3500	
0200	2	70	1015	85	1232	100	1450	3000	4000	500	1000 ^{150 bar}	1000 ^{150 bar}	3000	0,50

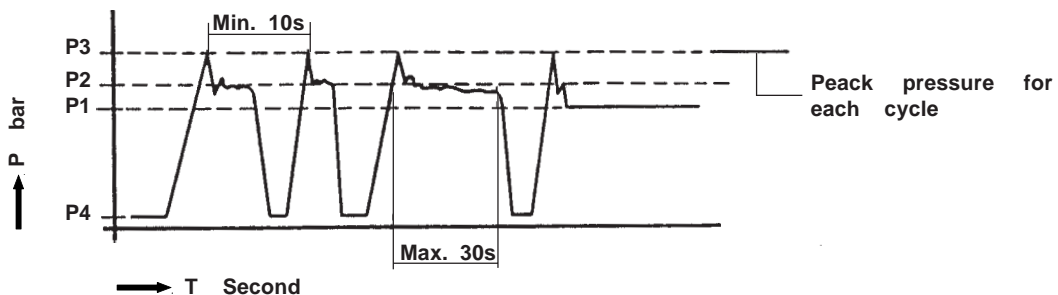
On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty

P2 Maximum pressure in intermittent duty

P3 Max. Allowable peak pressure

P4 Pressure at Motor outlet ε P (Only in M3)



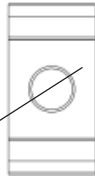
Dimensions readings and approximative characteristics subject to modifications.

F.T 00 1421 1/2

CHOICE of the IMPLANTATION of PORTS

F
(Threaded)

$\varnothing F$
effective depth G



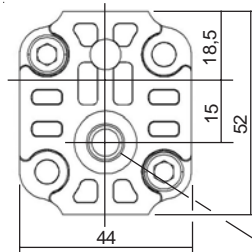
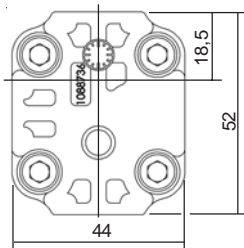
Capacity	INLET					OUTLET				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
0050 to 0200				M14 x150	12				M14 x150	12

REAR BODY

MOTORS M1 - M2

MOTORS M3 - M5 - M6

L
Standard



Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
30 N.m

DRIVING SHAFTS

Tapered

10

Straight keyed

20

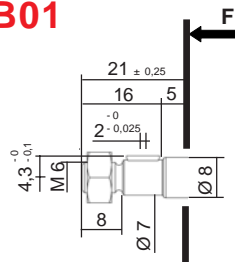
Splinned

30

Tang

40

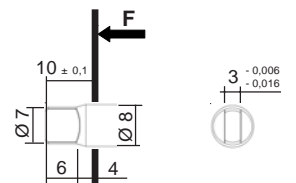
B01



Delivered with Nut Ref.:K108328

Maxi transmissible torque
5 N.m

C01



Maxi transmissible torque
6 N.m

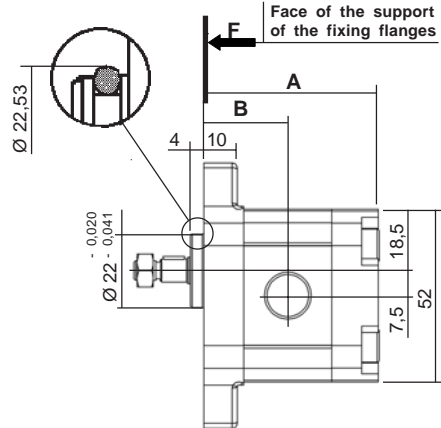
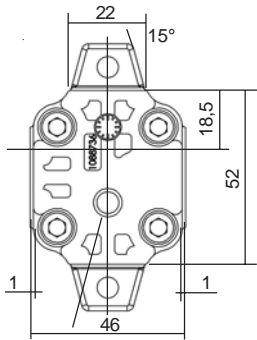
Dimensions readings and approximative characteristics subject to modifications.

F.T 00 1421 2/2

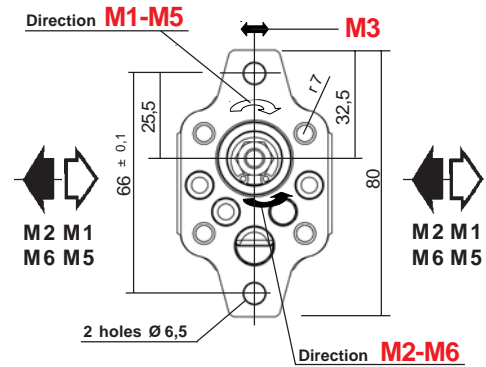


M II Sign **AAK** O VI Sign **FL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
30 N.m

CHOICE of the Capacity	Dimensions	
	A	B

0050	52,6	25,2
0075	52,6	25,2
0100	59	28,4
0125	59	28,4
0150	59	28,4
0200	67,5	32,6

Seal kits:

M1 - M2
Nitrile: K5073819 + K100256
Viton: K5073820 + K105494
(For manufacture to since march 1991)

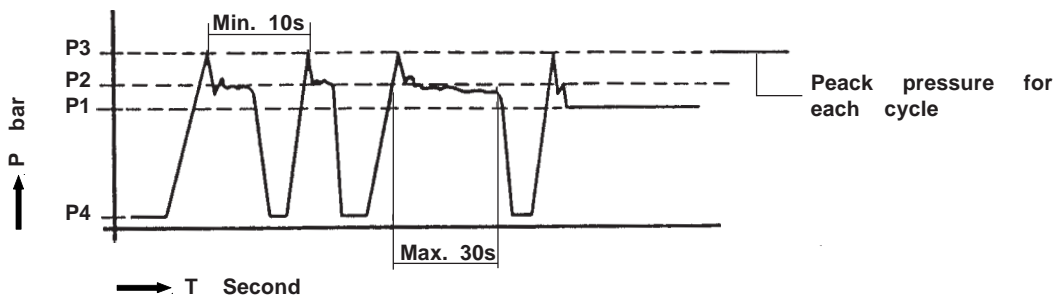
M3 - M5 - M6
Nitrile: K5071063 + K100256
Viton: K5071064 + K105494
(For manufacture to since march 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
0050	0,50	200	2900	230	3335	250	3260	5000	6000	800	1200	1500	5000	0,42
0075	0,75	175	2537	200	2900	220	3190	5000	6000	800	1200	1500 ^{220 bar}	5000	
0100	1	160	2320	180	2610	200	2900	5000	6000	800	1200	1500 ^{200 bar}	5000	0,45
0125	1,25	100	1450	120	1740	150	2175	3500	4500	500	1000 ^{150 bar}	1500 ^{200 bar}	3500	
0150	1,50	70	1015	90	1305	120	1740	3500	4500	500	1000 ^{150 bar}	1500 ^{200 bar}	3500	0,50
0200	2	70	1015	85	1232	100	1450	3000	4000	500	1000 ^{150 bar}	1500 ^{200 bar}	3000	

On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty
P3 Max. Allowable peak pressure

P2 Maximum pressure in intermittent duty
P4 Pressure at Motor outlet ε P (Only in M3)



Consult us for availability

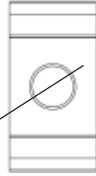
Dimensions readings and approximative characteristics subject to modifications.

F.T. 00 1422 1/2

CHOICE of the IMPLANTATION of PORTS

F
(Threaded)

$\varnothing F$
effective
depth G



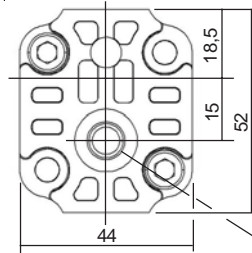
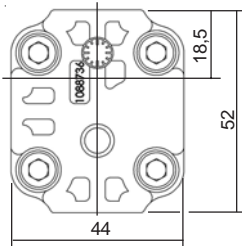
Capacity	INLET					OUTLET				
	$\varnothing C$	D	E	$\varnothing F$	G	$\varnothing C$	D	E	$\varnothing F$	G
0050 to 0200				M14 x150	12				M14 x150	12

REAR BODY

MOTORS M1 - M2

MOTORS M3 - M5 - M6

L
Standard



Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
30 N.m

DRIVING SHAFTS

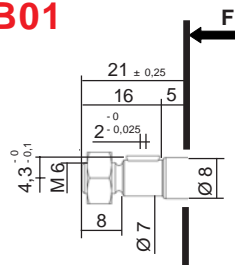
Tapered
10

Straight keyed
20

Splinned
30

Tang
40

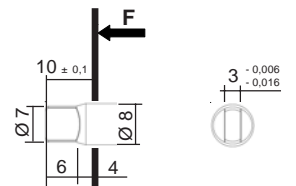
B01



Delivered with Nut Ref.:K108328

Maxi transmissible torque
5 N.m

C01



Maxi transmissible torque
6 N.m

Consult us for availability

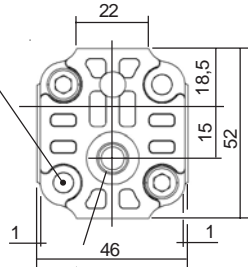


M II Sign **DCN0** VI Sign **FL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

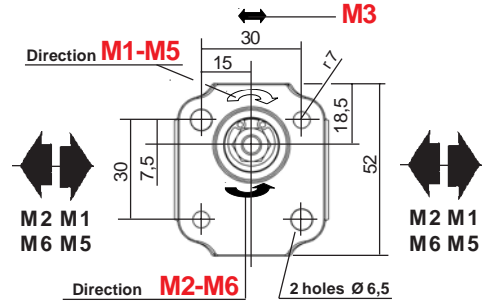
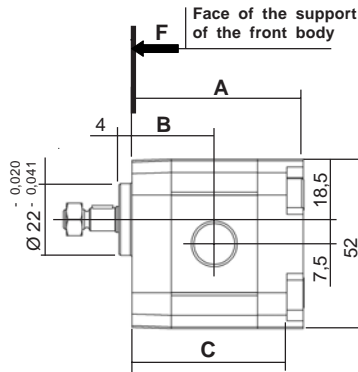
PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

Tightening torque
20 ± 0,2 m.daN



Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
30 N.m



CHOICE of the Capacity	Dimensions		
	A	B	C
0050	52,6	25,2	46
0075			
0100	59	28,4	52,5
0125			
0150			
0200	67,5	32,6	70

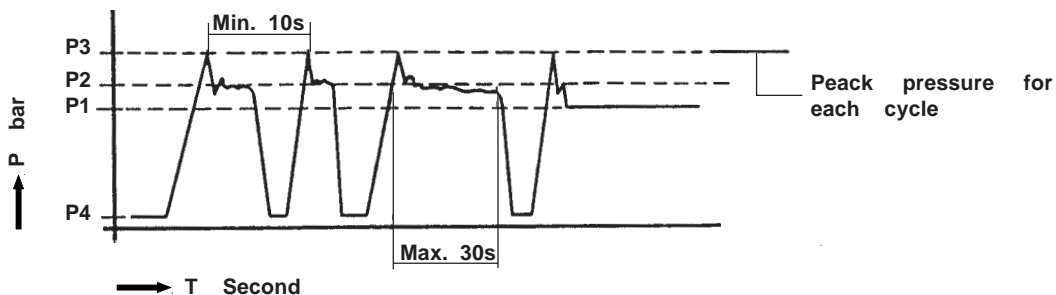
Seal kits:
M1 - M2
Nitrile: K5073819 Viton: K5073820
(For manufacture to since march 1991)
M3 - M5 - M6
Nitrile: K5071063 Viton: K5071064
(For manufacture to since march 1986)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
0050	0,50	200	2900	230	3335	250	3260	5000	6000	800	1200	1500	5000	0,42
0075	0,75	175	2537	200	2900	220	3190	5000	6000	800	1200	1500 ^{220 bar}	5000	
0100	1	160	2320	180	2610	200	2900	5000	6000	800	1200	1500 ^{200 bar}	5000	0,45
0125	1,25	100	1450	120	1740	150	2175	3500	4500	500	1000 ^{150 bar}	1500 ^{150 bar}	3500	
0150	1,50	70	1015	90	1305	120	1740	3500	4500	500	1000 ^{150 bar}	1500 ^{150 bar}	3500	0,50
0200	2	70	1015	85	1232	100	1450	3000	4000	500	1000 ^{150 bar}	1500 ^{150 bar}	3000	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ε P (Only in M3)

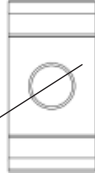


F.T 00 1423 1/2

CHOICE of the IMPLANTATION of PORTS

F
(Threaded)

$\varnothing F$
effective
depth G



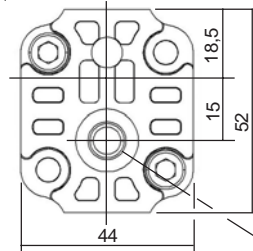
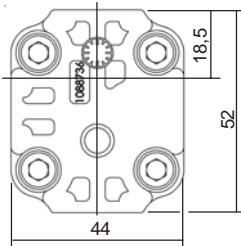
Capacity	INLET					OUTLET				
	$\varnothing C$	D	E	$\varnothing F$	G	$\varnothing C$	D	E	$\varnothing F$	G
0050 to 0200				M14 x150	12				M14 x150	12

REAR BODY

MOTORS M1 - M2

MOTORS M3 - M5 - M6

L
Standard



Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
30 N.m

DRIVING SHAFTS

Tapered

10

Straight keyed

20

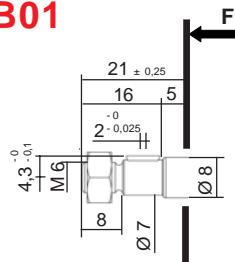
Splinned

30

Tang

40

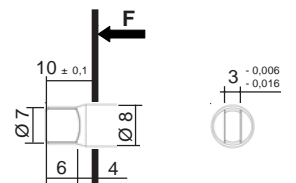
B01



Delivered with Nut Ref.:K108328

Maxi transmissible torque
5 N.m

C01



Maxi transmissible torque
6 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 00 1423 2/2

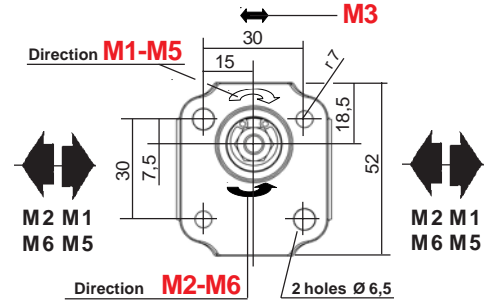
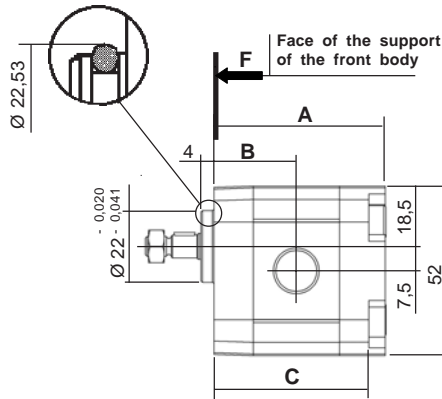
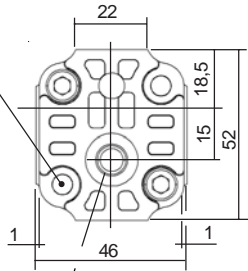


M II Sign **DC** **K** **0** VI Sign **F** **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

Tightening torque
20 ± 0,2 m.daN



Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
30 N.m

CHOICE of the Capacity	Dimensions		
	A	B	C
0050	52,6	25,2	46
0075	52,6	25,2	46
0100	59	28,4	52,5
0125	59	28,4	52,5
0150	59	28,4	52,5
0200	67,5	32,6	70

Seal kits:

M1 - M2

Nitrile: **K5073819 + K100256**

Viton: **K5073820 + K105494**

(For manufacture to since march 1991)

M3 - M5 - M6

Nitrile: **K5071063 + K100256**

Viton: **K5071064 + K105494**

(For manufacture to since march 1986)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
0050	0,50	200	2900	230	3335	250	3260	5000	6000	800	1200	1500	5000	0,42
0075	0,75	175	2537	200	2900	220	3190	5000	6000	800	1200	1500 220 bar	5000	
0100	1	160	2320	180	2610	200	2900	5000	6000	800	1200	1500 200 bar	5000	0,45
0125	1,25	100	1450	120	1740	150	2175	3500	4500	500	1000 150 bar	1500 150 bar	3500	
0150	1,50	70	1015	90	1305	120	1740	3500	4500	500	1000 150 bar	1500 150 bar	3500	
0200	2	70	1015	85	1232	100	1450	3000	4000	500	1000 150 bar	1500 150 bar	3000	0,50

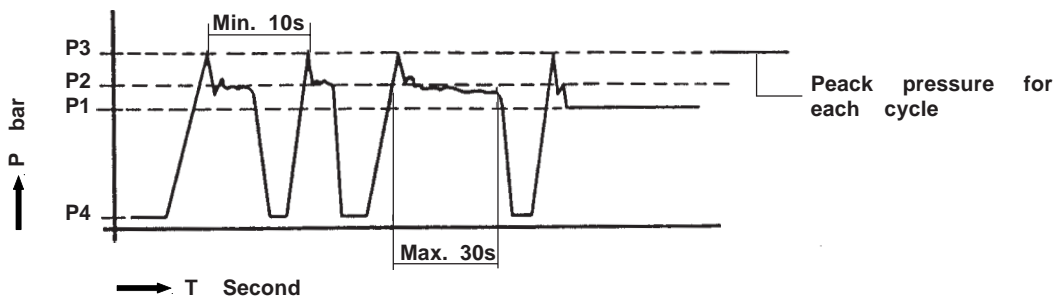
On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty

P2 Maximum pressure in intermittent duty

P3 Max. Allowable peak pressure

P4 Pressure at Motor outlet ε P (Only in M3)

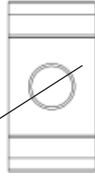


Consult us for availability

CHOICE of the IMPLANTATION of PORTS

F
(Threaded)

$\varnothing F$
effective
depth G



Capacity	INLET					OUTLET				
	$\varnothing C$	D	E	$\varnothing F$	G	$\varnothing C$	D	E	$\varnothing F$	G
0050 to 0200				M14 x150	12				M14 x150	12

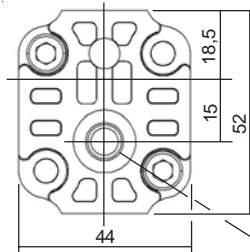
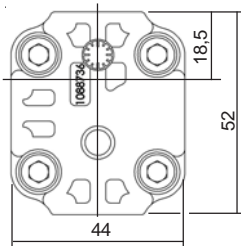
REAR BODY

MOTORS M1 - M2

MOTORS M3 - M5 - M6

L

Standard



Drain port 1/8" BSP effective depth 7 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
30 N.m

DRIVING SHAFTS

Tapered

10

Straight keyed

20

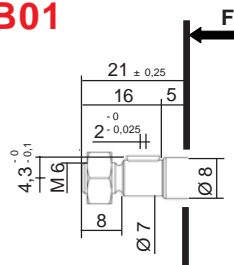
Splinned

30

Tang

40

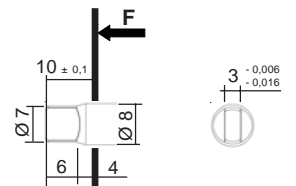
B01



Delivered with Nut Ref.:K108328

Maxi transmissible torque
5 N.m

C01



Maxi transmissible torque
6 N.m

Consult us for availability

MOTORS PRESENTATION
SERIES 1



F.T 10 1425

MOTOR **AAN**



F.T 10 1426

MOTOR **AAK**



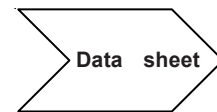
F.T 10 1427

MOTOR **BAN**



F.T 10 1428

MOTOR **CBN**



F.T 10 1429

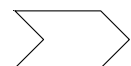
MOTOR **CBK**



F.T 10 1430



Consult us for availability



MOTOR

DCN



F.T 10 1431

MOTOR

DCK



F.T 10 1432



Consult us for availability

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at $\Delta P \leq 100$ bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
1002	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
1003	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
1004	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200	200 bar	1,1
1005	5,12	125	1812	150	2175	175	2537	3500	4500	500	900	175 bar	5000	
1006	6,14	125	1812	140	2030	175	2537	3000	4000	500	900	175 bar	4500	

The working cycles mentioned above are possible with hydraulic mineral oil for between 12 and 150cst - 65,2 and 700 SUS..
The minimum viscosity of 12 Cst / 65,2 SUS is available for a maximum temperature in the hydraulic circuit.
Working temperatures : - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C / 284 °F with Viton shaft seal).
Full flow filtration from to 10 to 15 micron at the motor inlet or the return circuit.

MAXIMUM PRESSURE:

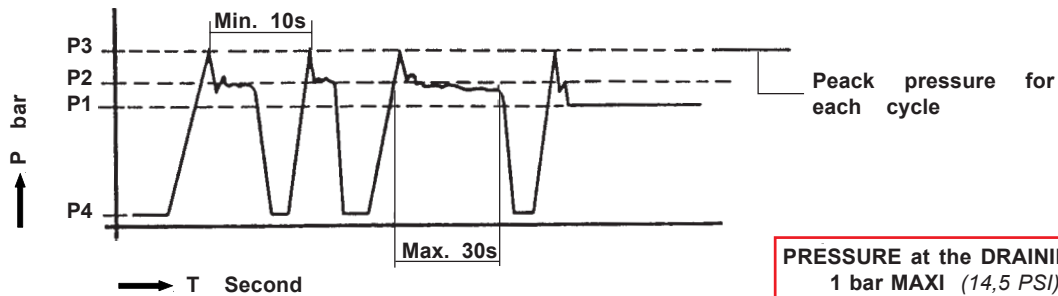
For the motors with one direction of rotation (M1/M2), the outlet pressure must not exceed 1 bar.
For the motors with two directions of rotation (M5/M6), the pressure in the drain line must not exceed 1 bar.
For the motors with two directions of rotation (M3), the pressure in the drain line must not exceed 1 bar.
For the working conditions exceeding the above mentioned cycles or in case of torque transmission by driving belt, chain or toothed wheel, please contact our sales department.

(The tests are effected with the oil SHELL Tellus T 46)

The above technical data are valid for motor transmitting the torque by an elastic coupling, perfectly aligned, without any outside radial and axial forces.

On the hereunder indicated diagram, the maximum duty pressure are the following.

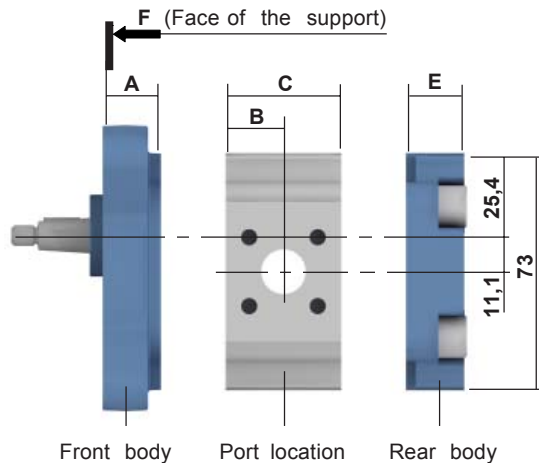
- P1** Maximum pressure in continuous duty
- P2** Maximum pressure in intermittent duty
- P3** Max. Allowable peak pressure
- P4** Pressure at Motor outlet $\leq P$ (Only in M3)



Front bodies:	A
AAN / AAK - BAN - CBN / CBK	18
DCN / DCK	

Port location (Capacity):	B	C
1001 - 1002 - 1003	17,9	35,8
1004 - 1005 - 1006	22,7	45,6



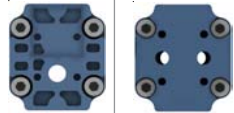






Rear bodies:	E
L - A -	18



Consult us for availability

M	II Sign	III Sign	IV Sign	1	VI Sign	VII Sign	VIII Sign	IX Sign	X Sign	XI Sign	XII Sign
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For CODIFICATION, see data sheet **F.T R 0243**

DIRECTION of ROTATION (II Sign)					FLAT FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)			REAR BODIES (VIII Sign)		DRIVING SHAFTS (IX, X and XI Sign)			
M1	M2	M3	M5	M6			C	F	X	L	A	TAPERED	STRAGHT KEYED	SPLINED	TANG
											10	20	30	40	
X	X	X	X	X	AAN / AAK 										
X	X	X	X	X	BAN 	1002 1003 1004 1005 1006					 10 B01 10 C01	 20 C01	 30 C01	 40 A01 40 C02	
X	X	X	X	X	CBN / CBK 										
X	X	X	X	X	DCN / DCK 										

LEGENDES

DIRECTION of ROTATION

- M1 = Clockwise
- M2 = Anti clockwise
- M3 = 2 Direction with Counter Pressure
- M5 = 1 Direction with Counter Pressure
- M6 = 1 Direction with Counter Pressure

FRONT BODIES

- AA* = Fixing SAE and ISO
- BA* = Fixing English and Italian
- CB* = Fixing French
- DC* = Fixing German

PORT LOCATION


- C = Square location
- F = Threaded ports
- X = without ports

REAR BODIES

- L = Standard
- A = with rear ports

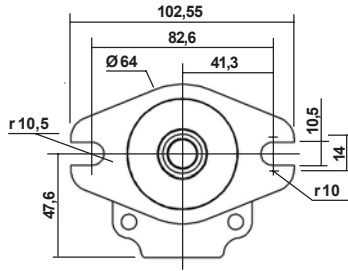
Dimensions readings and approximative characteristics subject to modifications.

F.T 10 1425 2/5

 Consult us for availability

FRONT BODIES

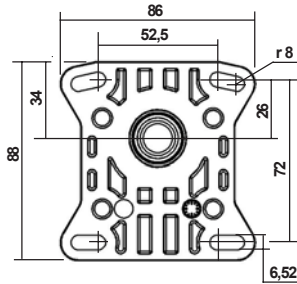
AAN / AAK



Centering: \varnothing 50,8⁰_{-0,05}
Thickness: 6
AAN: F.T 10 1294

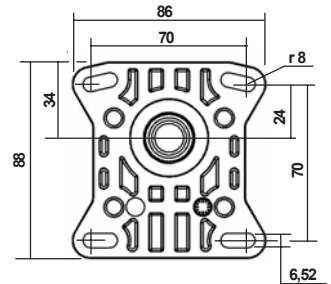
AAK: F.T 10 1326

BAN



Centering: \varnothing 25,35^{0,02}_{0,041}
Thickness: 4
BAN: F.T 10 1295

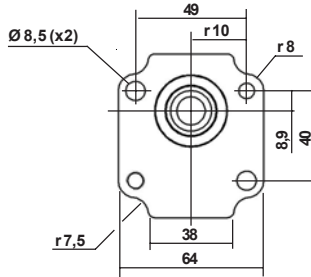
CBN / CBK



Centering: \varnothing 35^{0,025}_{0,05}
Thickness: 4
CBN: F.T 10 1296

CBK: F.T 10 1327

DCN / DCK



Centering: \varnothing 32^{0,025}_{0,05}
Thickness: 4
DCN: F.T 10 1297

DCK: F.T 10 1328

Dimensions readings and approximative characteristics subject to modifications.

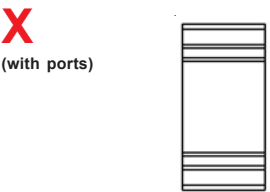
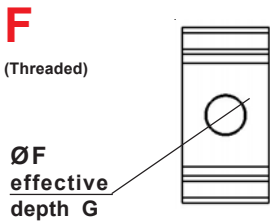
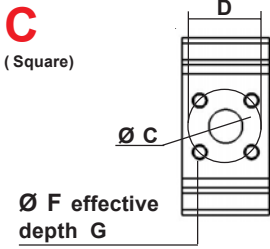
F.T 10 1425 3/5



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70



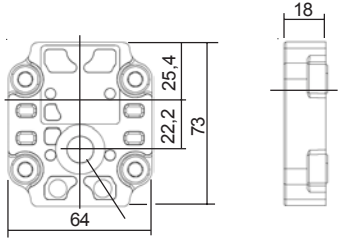
Capacity	DIMENSIONS								AFFECTATION					
	INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure				2 ways rotation with counter pressure	
	ENTREE		SORTIE		ENTREE		SORTIE		M1		M2			
	ØC	D	ØF	G	ØC	D	ØF	G	1 way rotation with counter pressure		M3			
M5		M6		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET			
1002	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
1003														
1004 to 1006														
1002			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
1003														
1004 to 1006			1/2" BSP	14			3/8" BSP	12						
1002 to 1006	Only with rear body Type A													

Dimensions readings and approximative characteristics subject to modifications.

F.T 10 1425 4/5

REAR BODIES

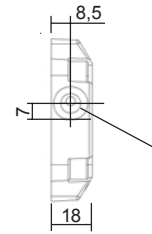
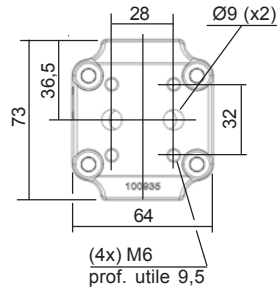
L
Standard



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

A
Rear ports



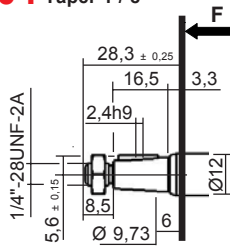
Drain port 1/8" BSP effective depth 9 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
30⁺⁵₀ N.m

DRIVING SHAFTS

Tapered
10

B01 Taper 1 / 8

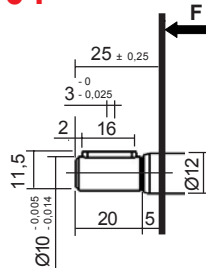


Delivered with nut: K101719

Max. transmissible torque
40 N.m

Straight keyed
20

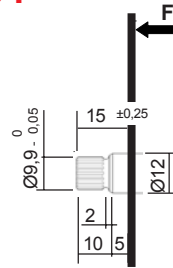
C01



Max. transmissible torque
25 N.m

Splined
30

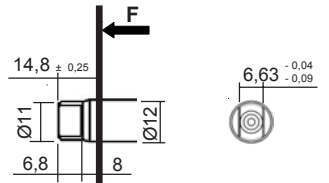
C01



Cannelures en développante
10 x 18 x 0,5
NF E 22 141 - BNA 455
Max. transmissible torque
25 N.m

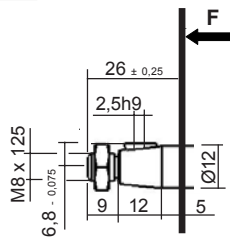
Tang
40

A01



Max. transmissible torque
30 N.m

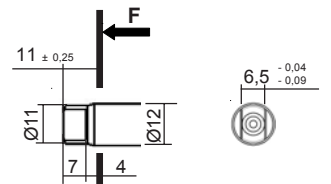
C01 Taper 1 / 5



Delivered with nut: K105890

Max. transmissible torque
50 N.m

C02



Max. transmissible torque
30 N.m

Dimensions readings and approximative characteristics subject to modifications.

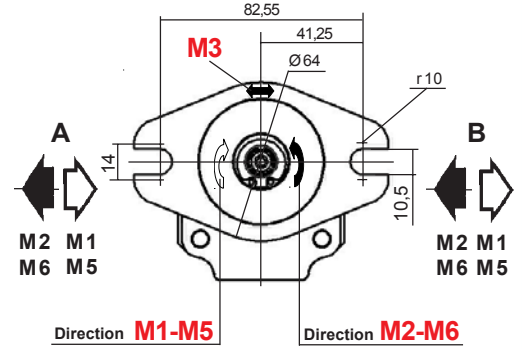
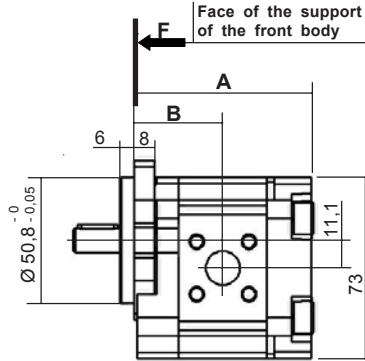
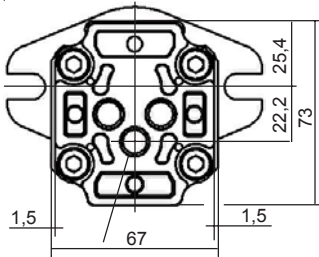
F.T 10 1425 5/5

Consult us for availability



For CODIFICATION, see data sheet **F.T.R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
1002 1003	71,8	35,9
1004 1005 1006	81,5	40,7

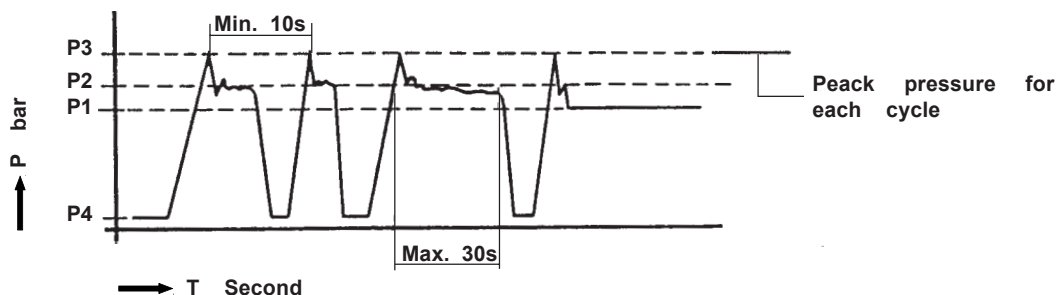
Seals kits:
M1 - M2
Nitrile: **K5074037** Viton: **K5074038**
(For manufacture to since October 1991)
M3 - M5/M6
Nitrile: **K5070976** Viton: **K5070977**
(For manufacture to since March 1986)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
1002	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
1003	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
1004	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200	6000	1,1
1005	5,12	125	1812	150	2175	175	2537	3500	4500	500	900	175 bar	5000	
1006	6,14	125	1812	140	2030	175	2537	3000	4000	500	900	175 bar	4500	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

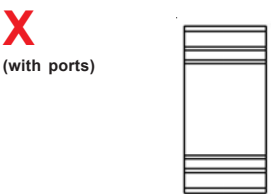
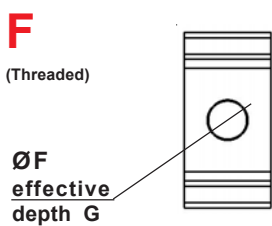
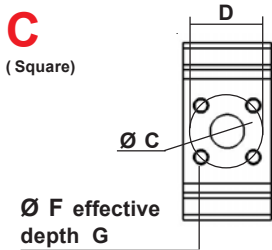


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CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

Dimensions readings and approximative characteristics subject to modifications.



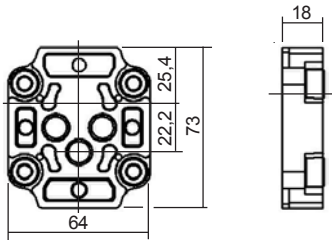
Capacity	DIMENSIONS								AFFECTATION					
	INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure	
	Ø C	D	Ø F	G	Ø C	D	Ø F	G	M1 ENTREE	M2 SORTIE	M5 INLET	M6 OUTLET	M3	
													INLET	OUTLET
1002 1003	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
1004 to 1006														
1002 1003			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
1004 to 1006			1/2" BSP	14			3/8" BSP	12						
1002 to 1006	Only with rear body Type A													

CHOICE of the REAR BODY

MOTORS M1 - M2 (without drain)

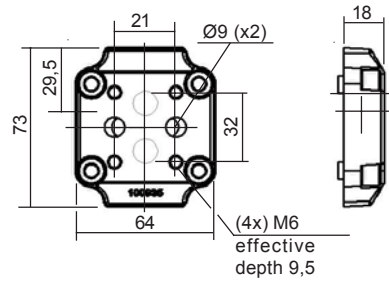
L

Standard



A

Rear ports

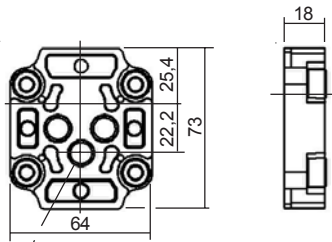


Dimensions readings and approximative characteristics subject to modifications.

MOTORS M3 - M5 - M6 (with drain)

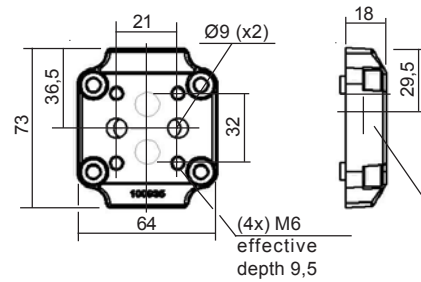
L

Standard



A

Rear ports



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

Drain port 1/8" BSP effective depth 9 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
30⁺⁵₀ N.m

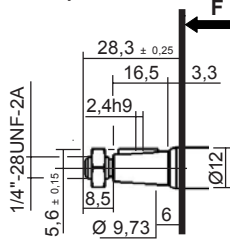
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DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



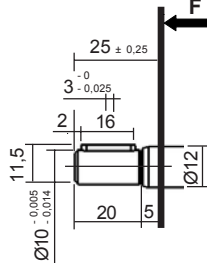
Delivered with nut: K101719

Max. transmissible torque
40 N.m

Straight keyed

20

C01

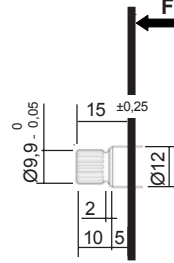


Max. transmissible torque
25 N.m

Splined

30

C01

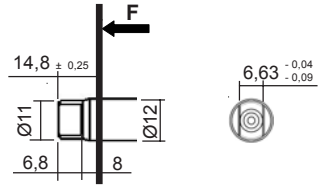


Cannelures en développante
10 x 18 x 0,5
NF E 22 141 - BNA 455
Max. transmissible torque
25 N.m

Tang

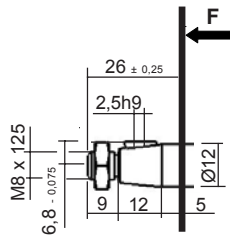
40

A01



Max. transmissible torque
30 N.m

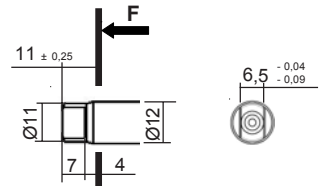
C01 Taper 1 / 5



Delivered with nut: K105890

Max. transmissible torque
50 N.m

C02



Max. transmissible torque
30 N.m

Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

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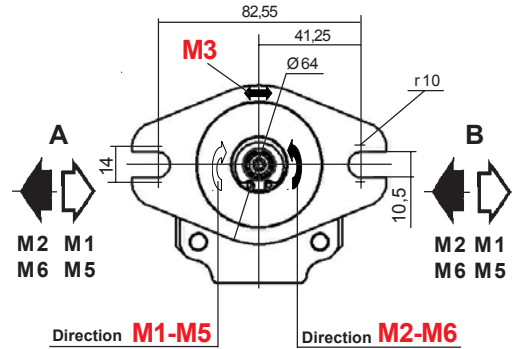
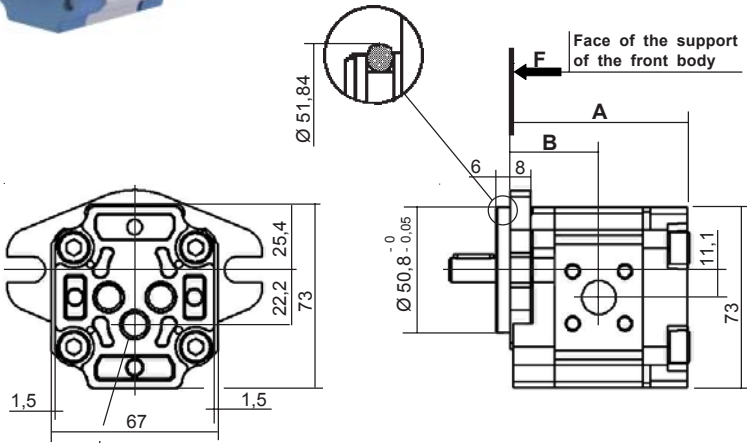
next

main dimensions



For CODIFICATION, see data sheet **F.T R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
1002 1003	71,8	35,9
1004 1005 1006	81,5	40,7

Seals kits:

M1 - M2
Nitrile: K5070976 + K102539
Viton: K5070977 + K107116
(For manufacture to since March 1986)

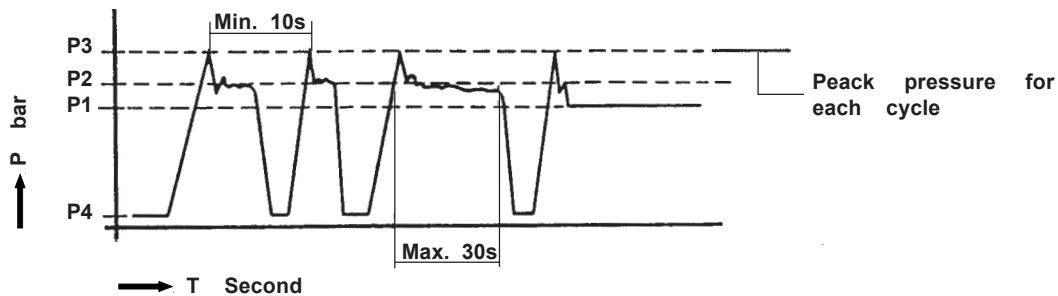
M3 - M5/M6
Nitrile: K5070976 + K102539
Viton: K5070977 + K107116
(For manufacture to since March 1986)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
1002	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
1003	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
1004	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200 ^{200 bar}	6000	1,1
1005	5,12	125	1812	150	2175	175	2537	3500	4500	500	900 ^{175 bar}	1200 ^{175 bar}	5000	
1006	6,14	125	1812	140	2030	175	2537	3000	4000	500	900 ^{175 bar}	1200 ^{175 bar}	4500	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

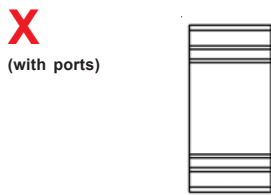
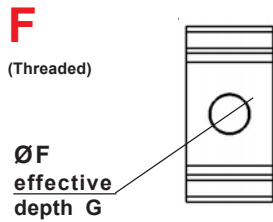
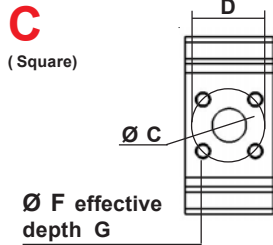


Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

Dimensions readings and approximative characteristics subject to modifications.



Capacity	DIMENSIONS								AFFECTATION					
	INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure				2 ways rotation with counter pressure	
	M1		M2		M5		M6		M3					
	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE		
1002 1003 1004 to 1006	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
1002 1003 1004 to 1006			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
1002 to 1006			1/2" BSP	14			3/8" BSP	12						
1002 to 1006	Only with rear body Type A													



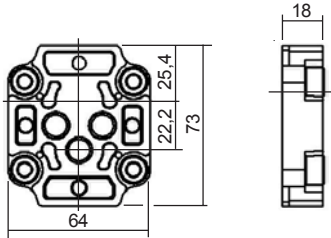
Consult us for availability

CHOICE of the REAR BODY

MOTORS M1 - M2 (without drain)

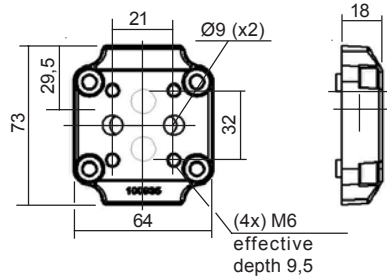
L

Standard



A

Rear ports

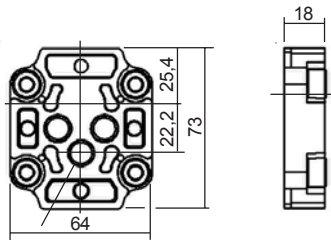


Dimensions readings and approximative characteristics subject to modifications.

MOTORS M3 - M5 - M6 (with drain)

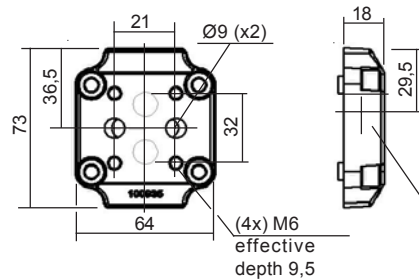
L

Standard



A

Rear ports



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

Drain port 1/8" BSP effective depth 9 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m



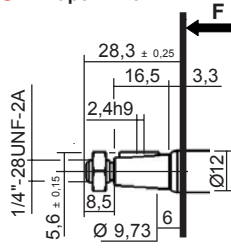
Consult us for availability

DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



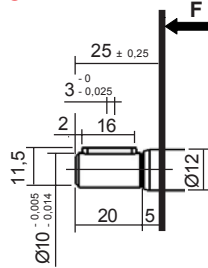
Delivered with nut: K101719

Max. transmissible torque
40 N.m

Straight keyed

20

C01

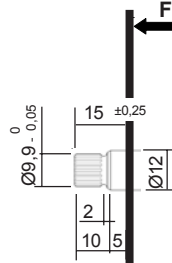


Max. transmissible torque
25 N.m

Splined

30

C01

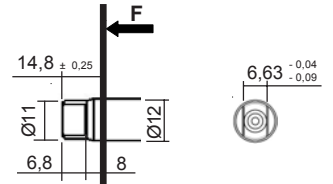


Cannelures en développante
10 x 18 x 0,5
NF E 22 141 - BNA 455
Max. transmissible torque
25 N.m

Tang

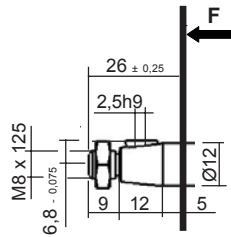
40

A01



Max. transmissible torque
30 N.m

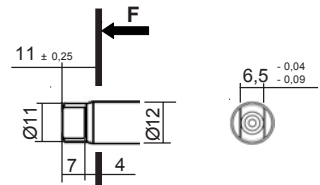
C01 Taper 1 / 5



Delivered with nut: K105890

Max. transmissible torque
50 N.m

C02



Max. transmissible torque
30 N.m

Dimensions readings and approximative characteristics subject to modifications.

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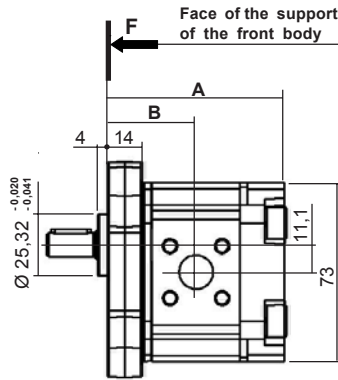
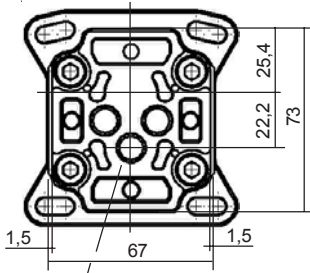
[next](#)

[main dimensions](#)

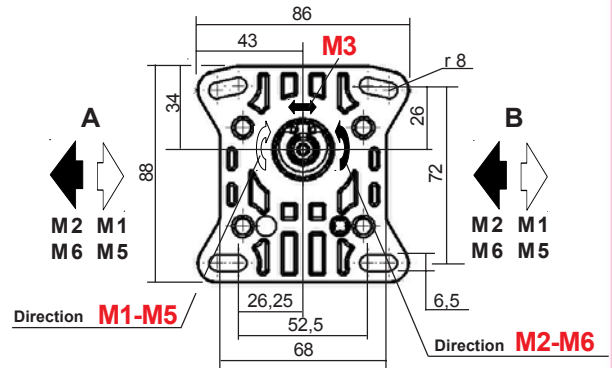


M II Sign BAN 1 VI Sign VII Sign L IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R 0243



PRESSION at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
1002 1003	71,8	35,9
1004 1005 1006	81,5	40,7

Seals kits:

M1 - M2

Nitrile: K5074037 Viton: K5074038
(For manufacture to since October 1991)

M3 - M5/M6

Nitrile: K5070976 Viton: K5070977
(For manufacture to since March 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
1002	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
1003	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
1004	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200 ^{200 bar}	6000	1,1
1005	5,12	125	1812	150	2175	175	2537	3500	4500	500	900 ^{175 bar}	1200 ^{200 bar}	5000	
1006	6,14	125	1812	140	2030	175	2537	3000	4000	500	900 ^{175 bar}	1200 ^{200 bar}	4500	

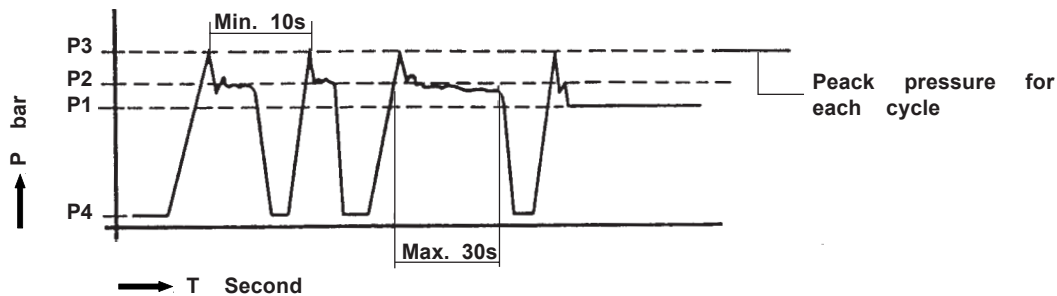
On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty

P2 Maximum pressure in intermittent duty

P3 Max. Allowable peak pressure

P4 Pressure at Motor outlet ≤ P (Only in M3)



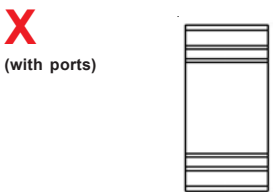
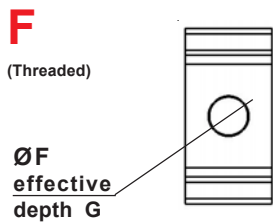
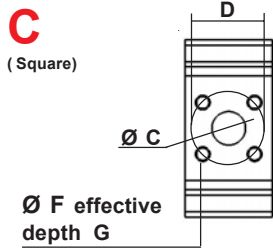
Dimensions readings and approximative characteristics subject to modifications.

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CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

Dimensions readings and approximative characteristics subject to modifications.



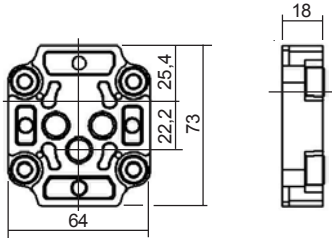
Capacity	DIMENSIONS								AFFECTATION					
	INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure				2 ways rotation with counter pressure	
	ØC	D	ØF	G	ØC	D	ØF	G	ENTREE	SORTIE	ENTREE	SORTIE		
1002 1003	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
1004 to 1006														
1002 1003			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
1004 to 1006			1/2" BSP	14			3/8" BSP	12						
1002 to 1006	Only with rear body Type A													

CHOICE of the REAR BODY

MOTORS M1 - M2 (without drain)

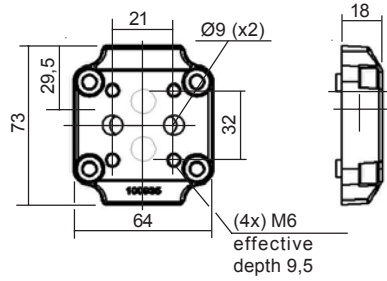
L

Standard



A

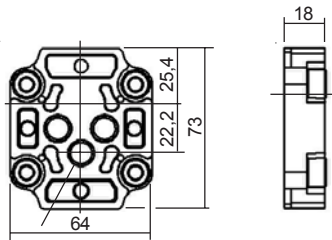
Rear ports



MOTORS M3 - M5 - M6 (with drain)

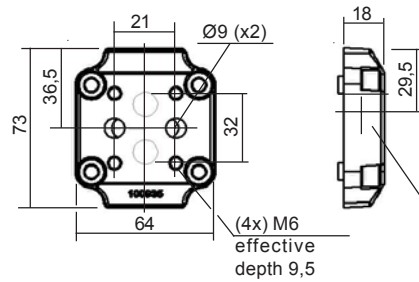
L

Standard



A

Rear ports



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

Drain port 1/8" BSP effective depth 9 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
30⁺⁵₀ N.m

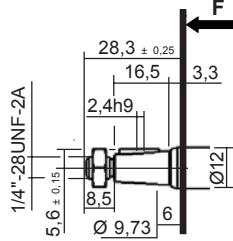
Dimensions readings and approximative characteristics subject to modifications.

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DRIVING SHAFTS

Tapered
10

B01 Taper 1 / 8

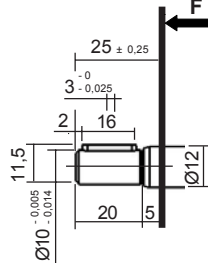


Delivered with nut: K101719

Max. transmissible torque
40 N.m

Straight keyed
20

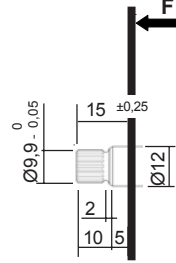
C01



Max. transmissible torque
25 N.m

Splined
30

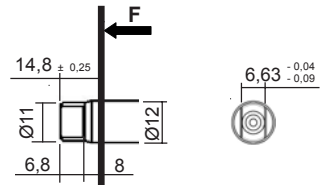
C01



Cannelures en développante
10 x 18 x 0,5
NF E 22 141 - BNA 455
Max. transmissible torque
25 N.m

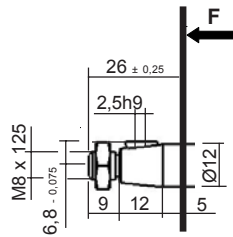
Tang
40

A01



Max. transmissible torque
30 N.m

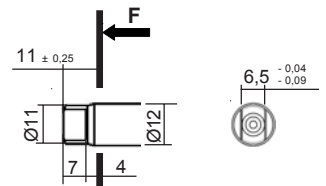
C01 Taper 1 / 5



Delivered with nut: K105890

Max. transmissible torque
50 N.m

C02



Max. transmissible torque
30 N.m

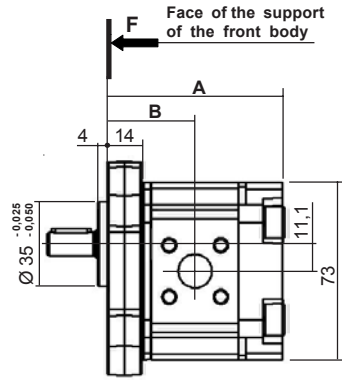
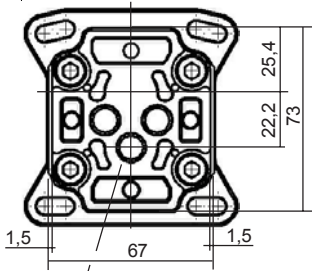
Dimensions readings and approximative characteristics subject to modifications.



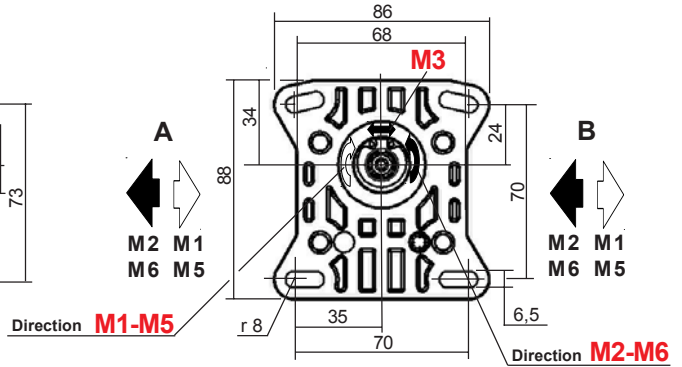
Consult us for availability



For CODIFICATION, see data sheet **F.T.R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
1002 1003	71,8	35,9
1004 1005 1006	81,5	40,7

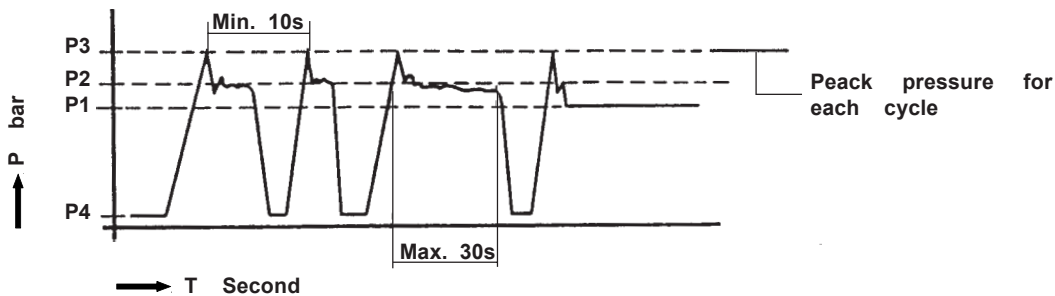
Seals kits:
M1 - M2
Nitrile: **K5074037** Viton: **K5074038**
(For manufacture to since October 1991)
M3 - M5/M6
Nitrile: **K5070976** Viton: **K5070977**
(For manufacture to since March 1986)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
1002	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
1003	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
1004	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200 ^{200 bar}	6000	1,1
1005	5,12	125	1812	150	2175	175	2537	3500	4500	500	900 ^{175 bar}	1200 ^{200 bar}	5000	
1006	6,14	125	1812	140	2030	175	2537	3000	4000	500	900 ^{175 bar}	1200 ^{200 bar}	4500	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

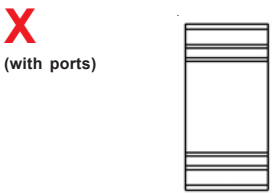
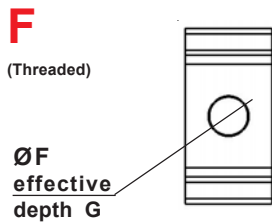
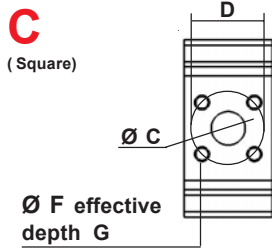


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CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

Dimensions readings and approximative characteristics subject to modifications.



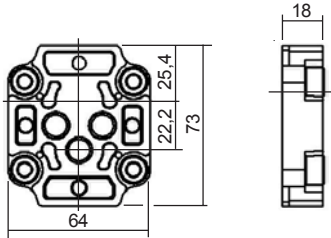
Capacity	DIMENSIONS								AFFECTATION					
	INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure	
	ØC	D	ØF	G	ØC	D	ØF	G	M1	M2	M5	M6	M3	
									ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET
1002 1003	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
1004 to 1006														
1002 1003			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
1004 to 1006			1/2" BSP	14			3/8" BSP	12						
1002 to 1006	Only with rear body Type A													

CHOICE of the REAR BODY

MOTORS M1 - M2 (without drain)

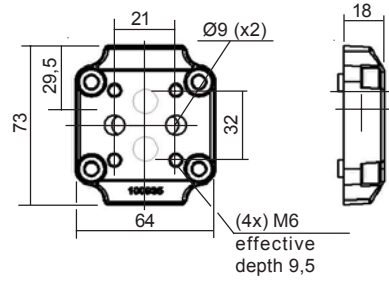
L

Standard



A

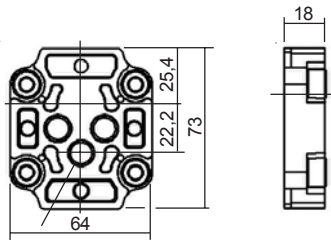
Rear ports



MOTORS M3 - M5 - M6 (with drain)

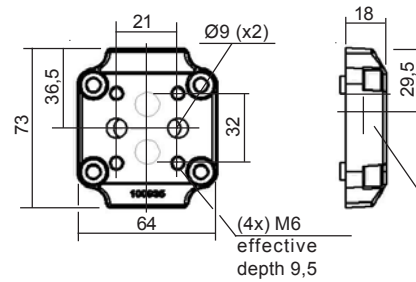
L

Standard



A

Rear ports



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

Drain port 1/8" BSP effective depth 9 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
30⁺⁵₀ N.m

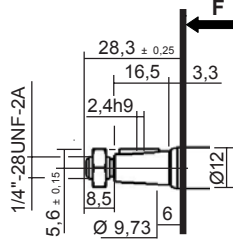
Dimensions readings and approximative characteristics subject to modifications.

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DRIVING SHAFTS

Tapered
10

B01 Taper 1 / 8

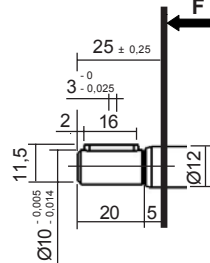


Delivered with nut: K101719

Max. transmissible torque
40 N.m

Straight keyed
20

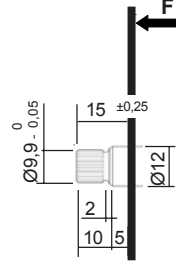
C01



Max. transmissible torque
25 N.m

Splined
30

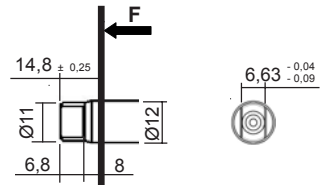
C01



Cannelures en développante
10 x 18 x 0,5
NF E 22 141 - BNA 455
Max. transmissible torque
25 N.m

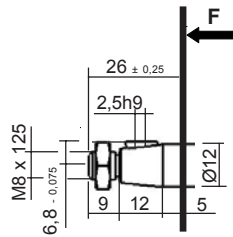
Tang
40

A01



Max. transmissible torque
30 N.m

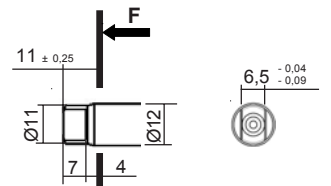
C01 Taper 1 / 5



Delivered with nut: K105890

Max. transmissible torque
50 N.m

C02



Max. transmissible torque
30 N.m

Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

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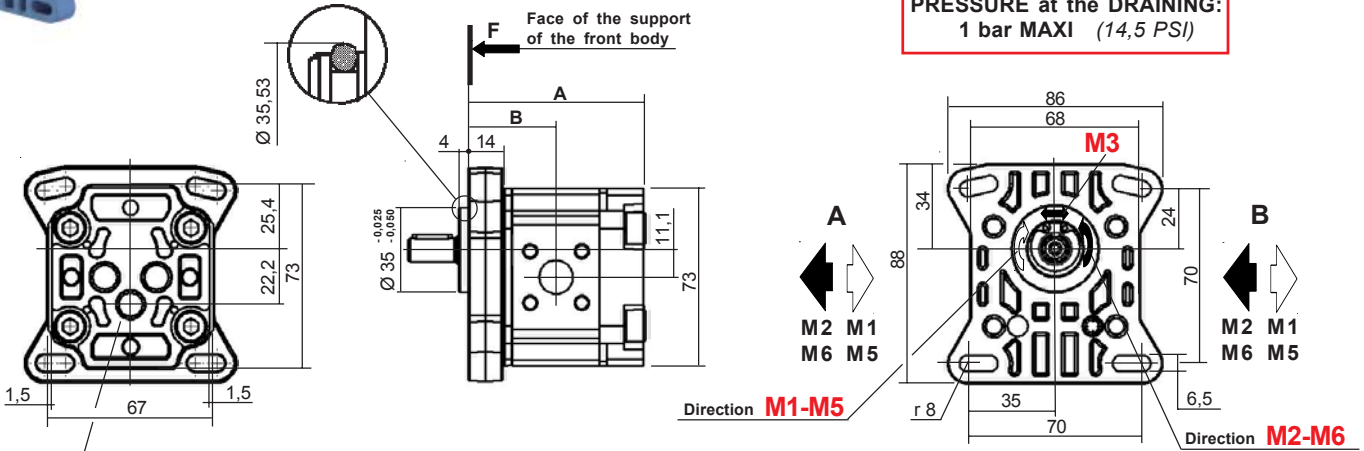
previous

next

main dimensions



For CODIFICATION, see data sheet **F.T.R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
1002 1003	71,8	35,9
1004 1005 1006	81,5	40,7

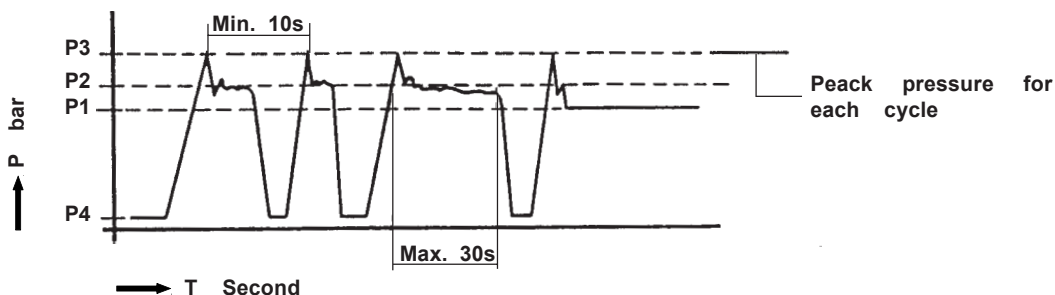
Seals kits:
M1 - M2
Nitrile: K5074037 + K100240
Viton: K5074038 + K103279
(For manufacture to since October 1991)
M3 - M5/M6
Nitrile: K5070976 + K100240
Viton: K5070977 + K103279
(For manufacture to since March 1986)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
1002	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
1003	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
1004	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200 ^{200 bar}	6000	1,1
1005	5,12	125	1812	150	2175	175	2537	3500	4500	500	900	175 bar	5000	
1006	6,14	125	1812	140	2030	175	2537	3000	4000	500	900	175 bar	4500	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

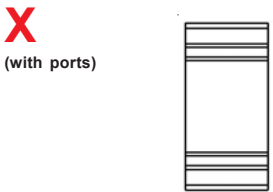
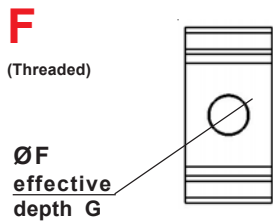
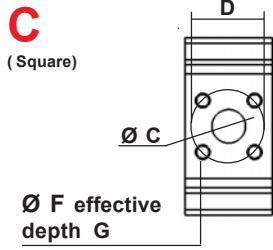


Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

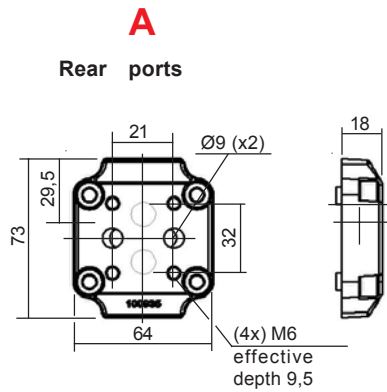
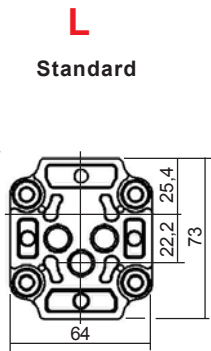
Dimensions readings and approximative characteristics subject to modifications.



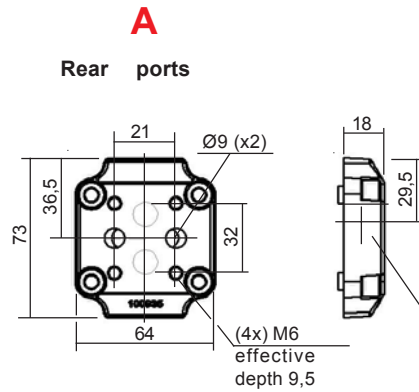
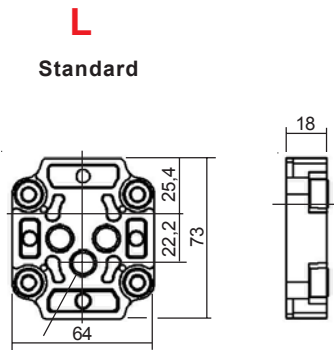
Capacity	DIMENSIONS								AFFECTATION					
	INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure			2 ways rotation with counter pressure		
	ØC	D	ØF	G	ØC	D	ØF	G	M1 ENTREE	M1 SORTIE	M2 ENTREE	M2 SORTIE	M3	
1002 1003 1004 to 1006	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
1002 1003 1004 to 1006			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
1002 to 1006			1/2" BSP	14			3/8" BSP	12						
1002 to 1006	Only with rear body Type A													

CHOICE of the REAR BODY

MOTORS M1 - M2 (without drain)



MOTORS M3 - M5 - M6 (with drain)



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

Drain port 1/8" BSP effective depth 9 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
30⁺⁵₀ N.m

Dimensions readings and approximative characteristics subject to modifications.

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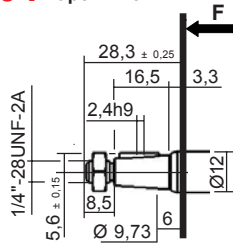
Consult us for availability

DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



Delivered with nut: K101719

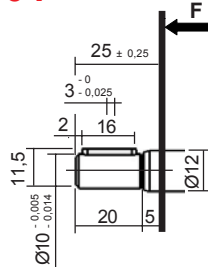
Max. transmissible torque

40 N.m

Straight keyed

20

C01



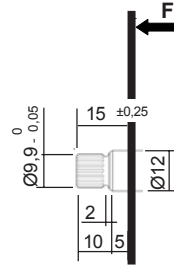
Max. transmissible torque

25 N.m

Splined

30

C01



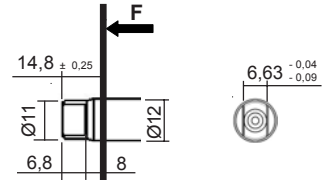
Cannelures en développante
10 x 18 x 0,5
NF E 22 141 - BNA 455
Max. transmissible torque

25 N.m

Tang

40

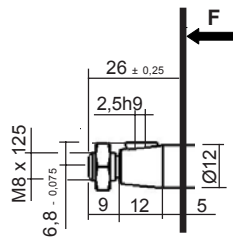
A01



Max. transmissible torque

30 N.m

C01 Taper 1 / 5

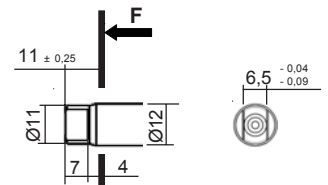


Delivered with nut: K105890

Max. transmissible torque

50 N.m

C02



Max. transmissible torque

30 N.m

Dimensions readings and approximative characteristics subject to modifications.

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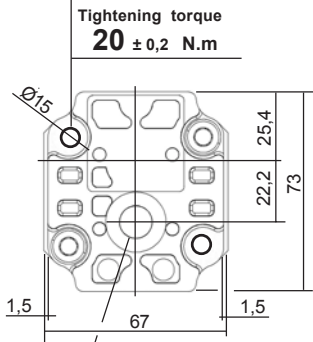
next

main dimensions

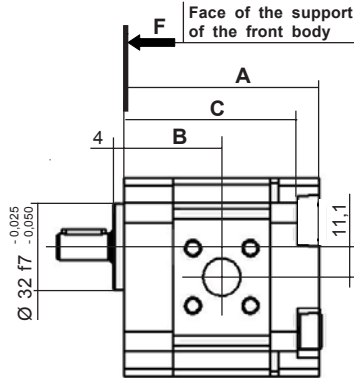


M II Sign **DCN** **1** VI Sign VII Sign **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

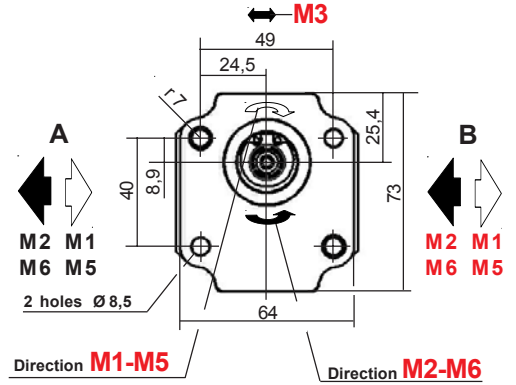


Tightening torque
20 ± 0,2 N.m



Face of the support
of the front body

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions		
	A	B	C
1002 1003	71,8	35,9	63,8
1004 1005 1006	81,5	40,7	73,5

Seals kits:

M1 - M2

Nitrile: **K5074037** Viton: **K5074038**
(For manufacture to since October 1991)

M3

Nitrile: **K5070976** Viton: **K5070977**
(For manufacture to since March 1986)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
1002	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
1003	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
1004	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200 ^{200 bar}	6000	1,1
1005	5,12	125	1812	150	2175	175	2537	3500	4500	500	900 ^{175 bar}	1100	5000	
1006	6,14	125	1812	140	2030	175	2537	3000	4000	500	900 ^{175 bar}	1100	4500	

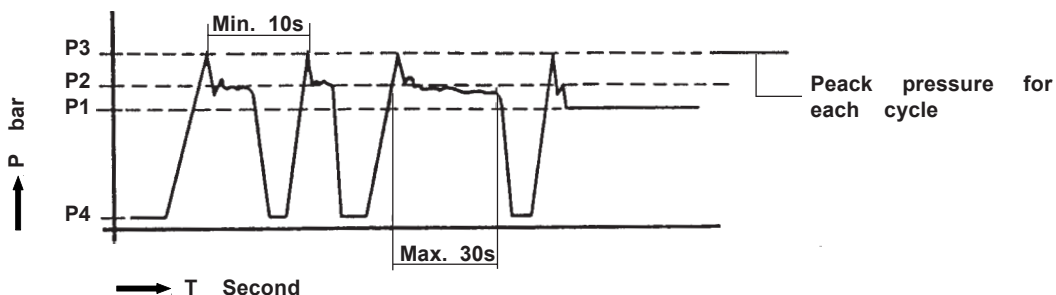
On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty

P2 Maximum pressure in intermittent duty

P3 Max. Allowable peak pressure

P4 Pressure at Motor outlet ≤ P (Only in M3)

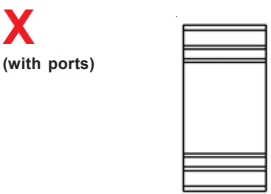
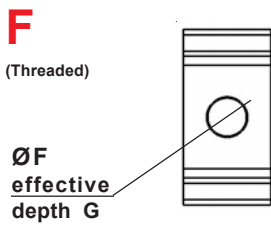
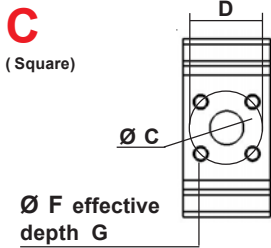


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CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

Dimensions readings and approximative characteristics subject to modifications.



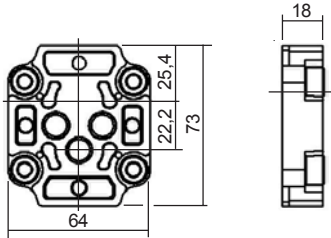
Capacity	DIMENSIONS								AFFECTATION					
	INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure		1 way rotation with counter pressure		2 ways rotation with counter pressure	
	Ø C	D	Ø F	G	Ø C	D	Ø F	G	M1		M2		M3	
	ENTREE		SORTIE		ENTREE		SORTIE		M5		M6			
								INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	
1002 1003	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
1004 to 1006														
1002 1003			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
1004 to 1006			1/2" BSP	14			3/8" BSP	12						
1002 to 1006	Only with rear body Type A													

CHOICE of the REAR BODY

MOTORS M1 - M2 (without drain)

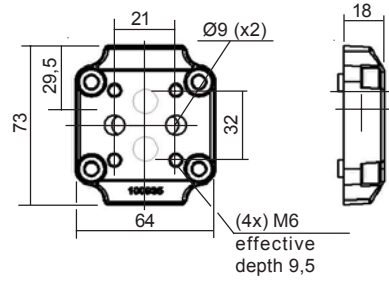
L

Standard



A

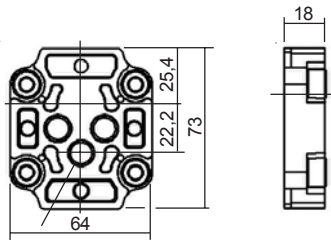
Rear ports



MOTORS M3 - M5 - M6 (with drain)

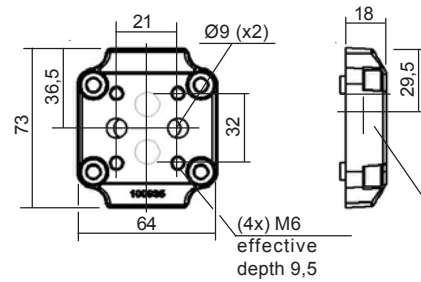
L

Standard



A

Rear ports



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

Dimensions readings and approximative characteristics subject to modifications.

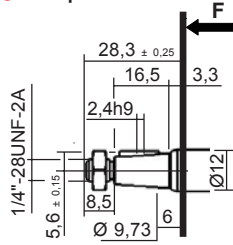
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DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



Delivered with nut: K101719

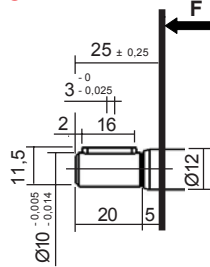
Max. transmissible torque

40 N.m

Straight keyed

20

C01



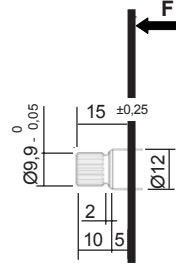
Max. transmissible torque

25 N.m

Splined

30

C01

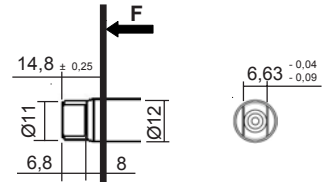


Cannelures en développante
10 x 18 x 0,5
NF E 22 141 - BNA 455
Max. transmissible torque
25 N.m

Tang

40

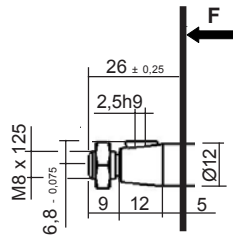
A01



Max. transmissible torque

30 N.m

C01 Taper 1 / 5

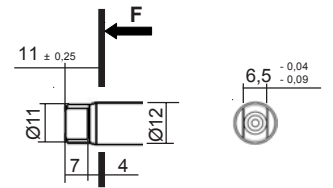


Delivered with nut: K105890

Max. transmissible torque

50 N.m

C02



Max. transmissible torque

30 N.m

Dimensions readings and approximative characteristics subject to modifications.

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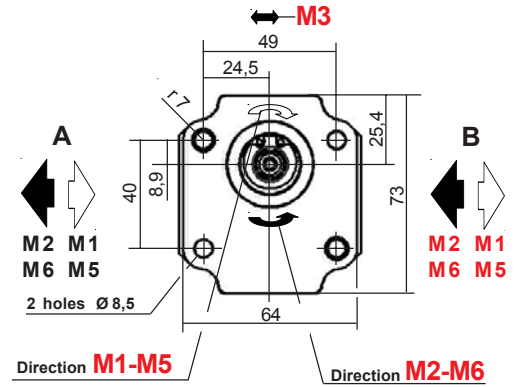
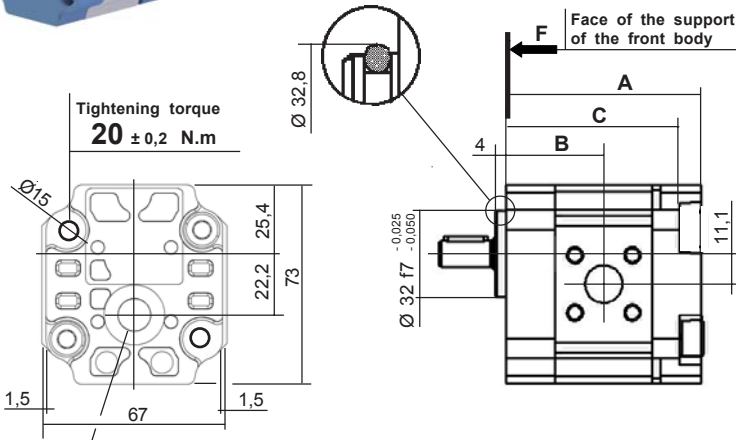
main dimensions



M
II Sign
DC
K
1
VI Sign
VII Sign
L
IX Sign
X Sign
XI Sign
XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**

CHOICE of the Capacity	Dimensions		
	A	B	C
1002	71,8	35,9	63,8
1003			
1004	81,5	40,7	73,5
1005			
1006			

Seals kits:

M1 - M2
Nitrile: **K5074037 + K108227**
Viton: **K5074038 + K108228**
(For manufacture to since October 1991)

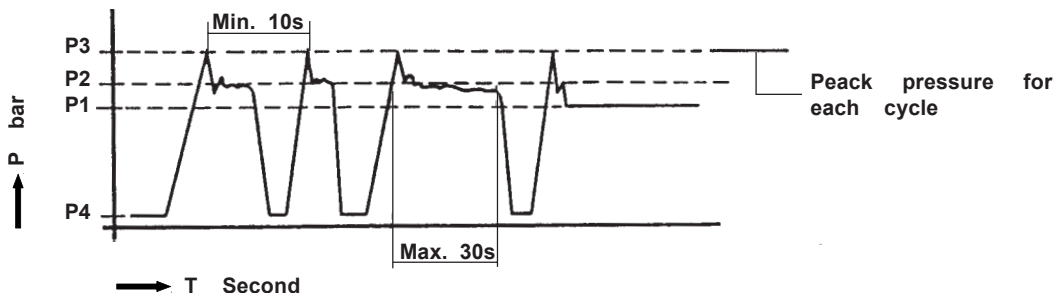
M3
Nitrile: **K5070976 + K108227**
Viton: **K5070977 + K108228**
(For manufacture to since March 1986)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at $\Delta P \leq 100$ bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
1002	2,05	200	2900	230	3335	250	3625	5000	6000	1000	1200	1400	8000	0,9
1003	3,07	200	2900	230	3335	250	3625	5000	6000	900	1100	1400	8000	
1004	4,09	150	2175	180	2610	200	2900	4000	5000	700	1000	1200 ^{200 bar}	6000	1,1
1005	5,12	125	1812	150	2175	175	2537	3500	4500	500	900 ^{175 bar}		5000	
1006	6,14	125	1812	140	2030	175	2537	3000	4000	500	900 ^{175 bar}		4500	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet $\leq P$ (Only in M3)

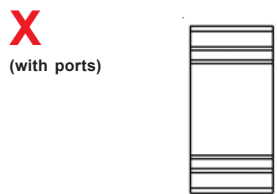
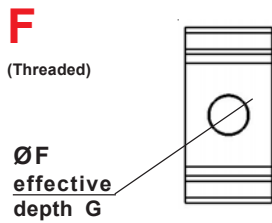
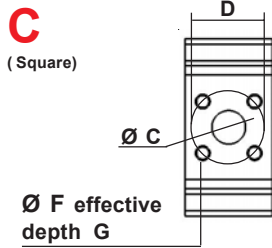


F.T 10 1432 1/4

Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70



Capacity	DIMENSIONS								AFFECTATION					
	INLET PORT A				OUTLET PORT B				1 way rotation without counter pressure M1		1 way rotation with counter pressure M5		2 ways rotation with counter pressure M3	
	ØC	D	ØF	G	ØC	D	ØF	G	ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET
									INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1002														
1003	14	30	M6	13	14	30	M6	13	A	B	B	A	B	A
1004 to 1006														
1002			3/8" BSP	12			3/8" BSP	12	A	B	B	A	B	A
1003														
1004 to 1006			1/2" BSP	14			3/8" BSP	12						
1002 to 1006	Only with rear body Type A													

Dimensions readings and approximative characteristics subject to modifications.

F.T 10 1431 2/4

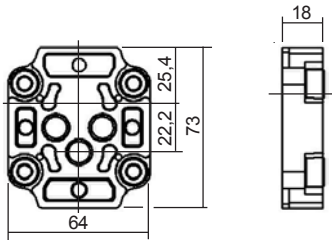
Consult us for availability

CHOICE of the REAR BODY

MOTORS M1 - M2 (without drain)

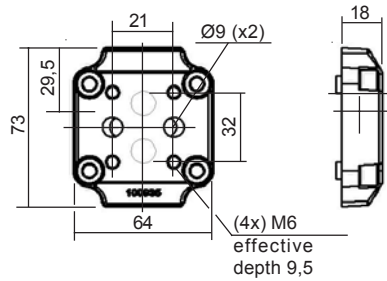
L

Standard



A

Rear ports

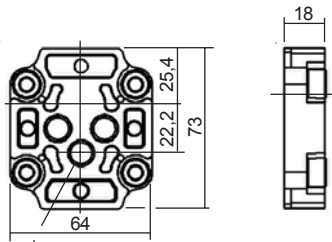


Dimensions readings and approximative characteristics subject to modifications.

MOTORS M3 - M5 - M6 (with drain)

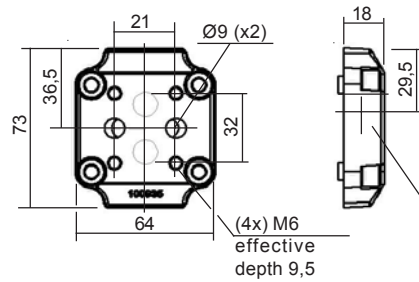
L

Standard



A

Rear ports



Drain port 1/4" BSP effective depth 13 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

Drain port 1/8" BSP effective depth 9 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

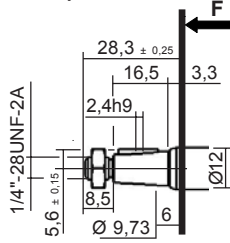
Max. tightening torque of the connexion
30⁺⁵ N.m

DRIVING SHAFTS

Tapered

10

B01 Taper 1 / 8



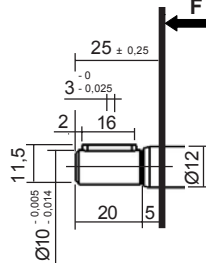
Delivered with nut: K101719

Max. transmissible torque
40 N.m

Straight keyed

20

C01

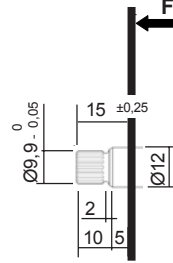


Max. transmissible torque
25 N.m

Splined

30

C01

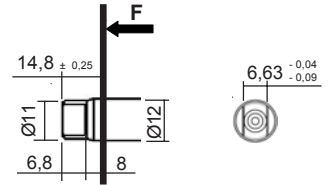


Cannelures en développante
10 x 18 x 0,5
NF E 22 141 - BNA 455
Max. transmissible torque
25 N.m

Tang

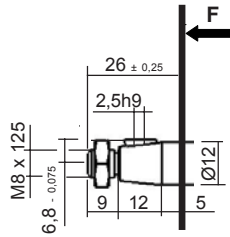
40

A01



Max. transmissible torque
30 N.m

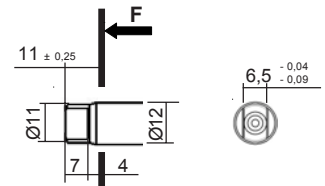
C01 Taper 1 / 5



Delivered with nut: K105890

Max. transmissible torque
50 N.m

C02



Max. transmissible torque
30 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 10 1431 4/4



Consult us for availability

[home](#)

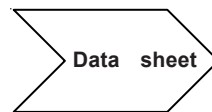
[contents](#)

[previous](#)

[next](#)

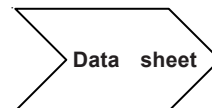
[main dimensions](#)

MOTORS PRESENTATION
SERIES 2 and 2,5



F.T 20 1433

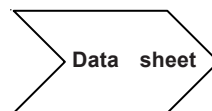
HIGHT PRESSURE SHAFT RING



F.T 20 1493

- FLAT FRONT BODIES

MOTOR **AAAN**



F.T 20 1434

MOTOR **AAK**



F.T 20 1435

MOTOR **AFN**



F.T 20 1436

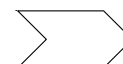
MOTOR **APK**



F.T 20 1437

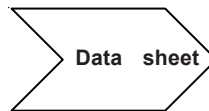


Consult us for availability



- FLAT FRONT BODIES (rest)

MOTOR **BAN**



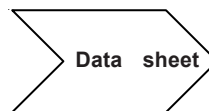
F.T 20 1438

MOTOR **CAN**



F.T 20 1439

MOTOR **CEN**



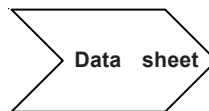
F.T 20 1440

MOTOR **CEK**



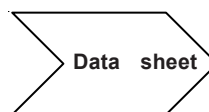
F.T 20 1441

MOTOR **DBN**

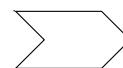
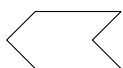


F.T 20 1442

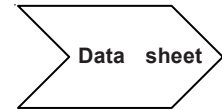
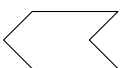
MOTOR **DBK**



F.T 20 1443



Consult us for availability

- FLAT FRONT BODIES (rest)**MOTOR DCN****F.T 20 1444****MOTOR DCK****F.T 20 1445****MOTOR DUK****F.T 20 1446****MOTOR DWN****F.T 20 1447****MOTOR DZK****F.T 20 1448**

Consult us for availability

Series 2 and 2,5 pressure shaft ring only for flat front cover

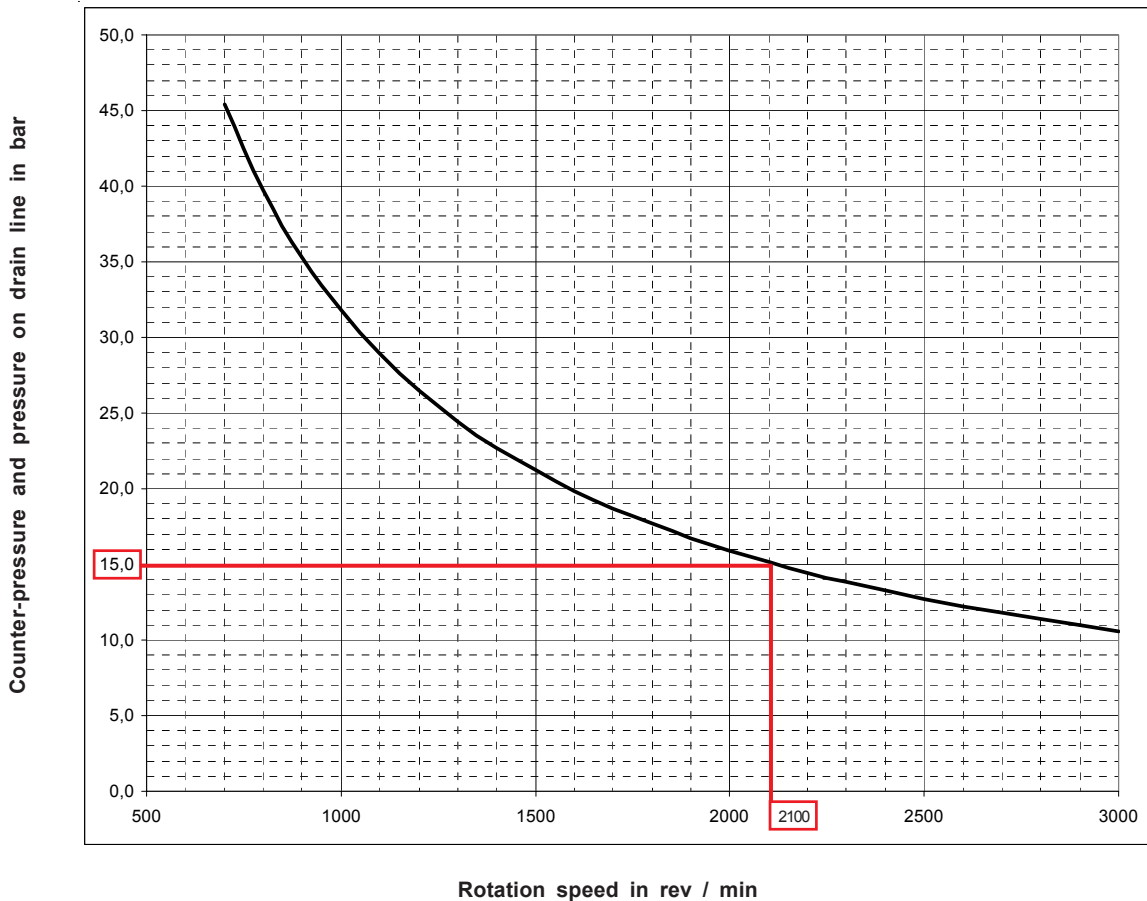
Applications: 1 Direction of rotation (M1 / M2) with counter-pressure
2 Direction of rotation (M3 - M5 / M6) with counter-pressure on drain line
Pump with feeding pressure

Description: Sealing ring with radial effect, single lip with dust lip
VITON external coating
Small sealing lip with spring

Mounting: Mounting in front cover (special machining) of high pressure ring and washer

Running conditions: $P \text{ (bar)} \times V \text{ (rev/min)} < 31.800$ (see below graphic)
P (bar): Pressure on ring
V (rev/min): Shaft rotation speed
Fluids: mineral oils, huiles synthetic oils
Running temperatures: - 40°C to + 100°C

Dimensions readings and approximative characteristics subject to modifications.



Example: At 2100 rev/min rotation speed, max pressure on the ring is 15 bar.

F.T 20 1493

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		

Series 2

2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}		3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}		3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}		3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}		3500	2,7

Series 2,5

2512	12	200	2900	230	2900	250	3625	3000	3200	500	1000	1200	4000	2,3
2515	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}		3500	2,7
2522	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}		3500	2,8

Dimensions readings and approximative characteristics subject to modifications.

The working cycles mentioned above are possible with hydraulic mineral oil for between 12 and 150Cst - 65,2 and 700 SUS..

The minimum viscosity of 12 Cst / 65,2 SUS is available for a maximum temperature in the hydraulic circuit.

Working temperatures : - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C / 284 °F with Viton shaft seal).

Full flow filtration from to 10 to 15 micron at the motor inlet or the return circuit.

MAXIMUM PRESSURE:

For the motors with one direction of rotation (M1/M2), the outlet pressure must not exceed 1 bar.

For the motors with two directions of rotation (M5/M6), the pressure in the drain line must not exceed 1 bar.

For the motors with two directions of rotation (M3), the pressure in the drain line must not exceed 1 bar.

For the working conditions exceeding the above mentioned cycles or in case of torque transmission by driving belt, chain or toothed wheel, please contact our sales department.

(The tests are effected with the oil SHELL Tellus T 46)

The above technical data are valid for motor transmitting the torque by an elastic coupling, perfectly aligned, without any outside radial and axial forces.

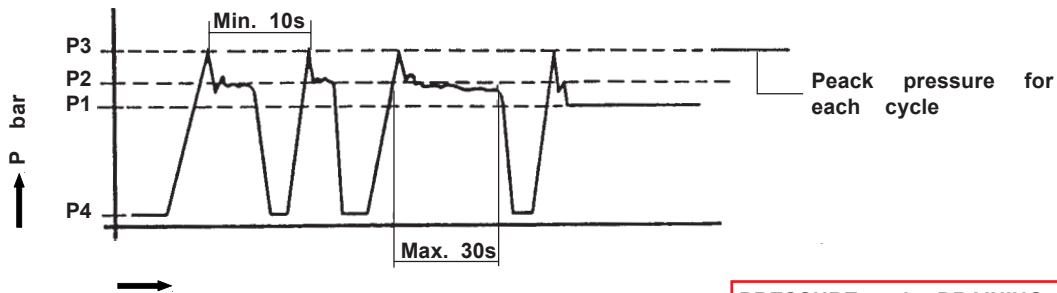
On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty

P2 Maximum pressure in intermittent duty

P3 Max. Allowable peak pressure

P4 Pressure at Motor outlet ≤ P (Only in M3)



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

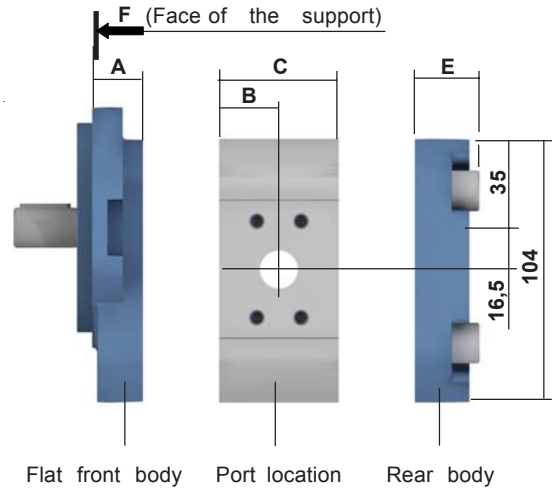
Consult us for availability

FLAT FRONT BODY

Flat front bodies:	A
AAN / AAK - APK	20
BAN - CAN - DBN / DBK	
AFN	21
CEN / CEK	22
DCN / DCK - DUK - DWN	18
DZK	

Port location (capacity):	B	C
2006 - 2008 - 2010 - 2012	23,5	47
2014 - 2015 - 2017 - 2018 - 2022 2522	31	61,6
2026 - 2030 2515 - 2518 - 2522	38,8	77,7

Rear bodies:	E
L	25,5
A	24,5
X -	24
Q	50,5
AR	24



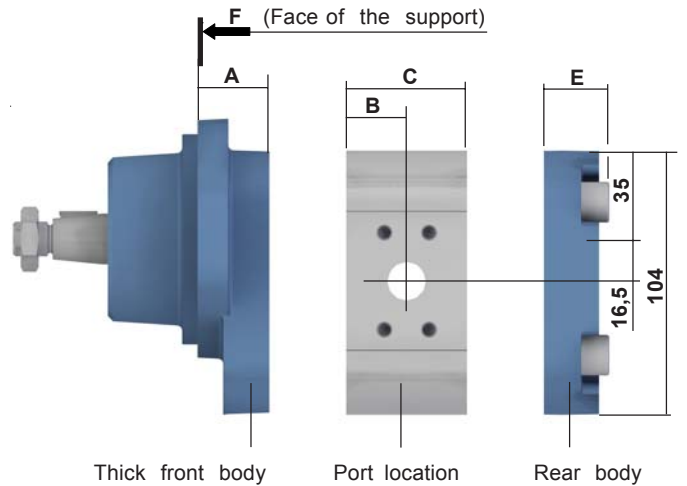
Dimensions readings and approximative characteristics subject to modifications.

THICK FRONT BODY

Thick front bodies:	A
AAP / AAR	28
ARP / ARK	25
AVP	28
DBP / DBR	51

Port location (capacity):	B	C
2006 - 2008 - 2010 - 2012	23,5	47
2014 - 2015 - 2017 - 2018 - 2022 2522	31	61,6
2026 - 2030 2515 - 2518 - 2522	38,8	77,7

Rear bodies:	E
L	25,5
A	24,5
X - T	24
Q	50,5
AR	24



Consult us for availability

M II Sign III Sign IV Sign 2 VI Sign VII Sign VIII Sign IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R 0243

DIRECTION of ROTATION (II Sign)					FLAT FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)							REAR BODIES (VIII Sign)						DRIVING SHAFTS (IX, X and XI Sign)			
M1	M2	M3	M5	M6			H	C	B	F	U	X	Y	L	A	X**	T**	Q**	AR	TAPERED	SPLINED	STRAIGHT KEYED	TANG
																				10	20	30	40
X	X	X	X	X	AAN / AAK																		
X	X	X	X	X	AFN																		
X	X	X	X	X	APK	2006																	
X	X	X	X	X	BAN	2008																	
X	X	X	X	X	CAN	2010																	
X	X	X	X	X	CEN / CEK	2012																	
X	X	X	X	X	DBN / DBK	2014																	
X	X	X	X	X	DCN / DCK	2015																	
X	X	X	X	X	DWN	2017																	
X	X	X	X	X		2018																	
X	X	X	X	X		2022																	
X	X	X	X	X		2026																	
X	X	X	X	X		2030																	
X	X	X	X	X		2512																	
X	X	X	X	X		2515																	
X	X	X	X	X		2517																	
X	X	X	X	X		2518																	
X	X	X	X	X		2522																	

LEGENDES

DIRECTION of ROTATION

- M1 = Clockwise without counter pressure
- M2 = Anti clockwise without counter pressure
- M3 = Bi directional with counter pressure
- M5 = Clockwise with counter pressure
- M6 = Anti clockwise with counter pressure

FRONT BODIES

- A** = Fixing SAE and ISO
- B** = Fixing english and Italian
- C** = Fixing French
- D** = Fixing German

PORT LOCATION

- H = HPI Location
- C = Square location
- B = Italian location
- F = Threaded ports
- U = SAE location (SAE J 475)
- X = without port

REAR BODIES

- L = Standard
- A = with ports
- X = high pressure relief valve Internal return
- T = high pressure relief valve External return
- Q = Internal flow control
- AR = with block configuration MBPS

** Not available in Motors M3


























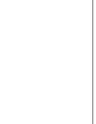





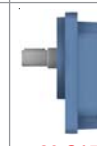
Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1433 3/12

M II Sign III Sign IV Sign **2** VI Sign VII Sign VIII Sign IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

DIRECTION of ROTATION (II Sign)					FLAT and THICK FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)						REAR BODIES (VIII Sign)					DRIVING SHAFT (IX, X and XI Sign)				
M1	M2	M3	M5	M6			H	C	B	F	U	X	Y	L	A	X**	T**	Q**	AR	TAPERED	STRAIGHT KEYED	SPLINDED
X	X	X	X	X		2006 2008 2010 2012 2014 2015													10	20	30	40
X	X	X	X	X			2017 2022 2026 2030															
X	X	X	X	X		2512 2515 2517 2518 2522																
X	X	X	X	X																		

** Not available in Motors M3

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1433 4/12

LEGENDES

DIRECTION of ROTATION

- M1** = Clockwise without counter pressure
- M2** = Anti clockwise without counter pressure
- M3** = Bi directional with counter pressure
- M5** = Clockwise with counter pressure
- M6** = Anti clockwise with counter pressure

FRONT BODIES

- A**** = Fixing SAE
- D**** = Fixing German

PORT LOCATION

- H** = HPI Location
- C** = Square location
- B** = Italian location
- F** = Threaded ports
- U** = SAE location (SAE J 475)
- X** = without port
- Y** = ISO location (ISO 6162)

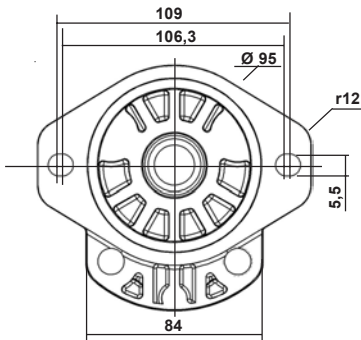
REAR BODIES

- L** = Standard
- A** = with ports
- X** = high pressure relief valve Internal return
- T** = high pressure relief valve External return
- Q** = Internal flow control
- AR** = with block configuration MBPS

 Consult us for availability

FLAT FRONT BODIES

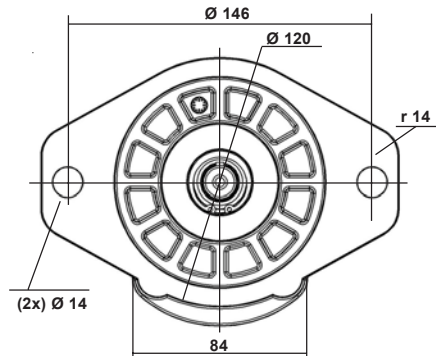
AAN / AAK



Centering: $\varnothing 82,55 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$
Thickness: 6

AAN : Series 2 F.T 20 1434
Series 2,5 F.T 25 1456
AAK : Series 2 F.T 20 1435
Series 2,5 F.T 25 1457

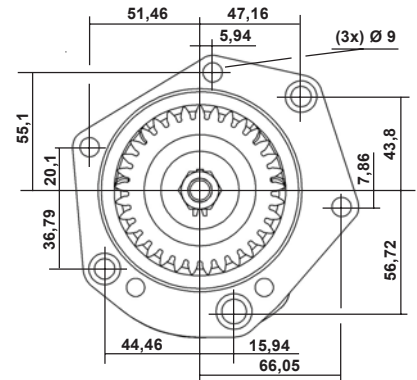
AFN



Centering: $\varnothing 101,6 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$
Thickness: 6,35

AFN : Series 2 F.T 20 1436
Series 2,5 F.T 25 1458

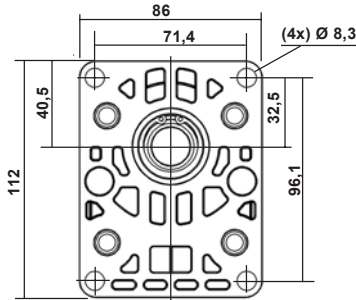
APK



Centering: $\varnothing 95 \begin{smallmatrix} -0,036 \\ -0,071 \end{smallmatrix}$
Thickness: 10

APK : Series 2 F.T 20 1437
Series 2,5 F.T 25 1459

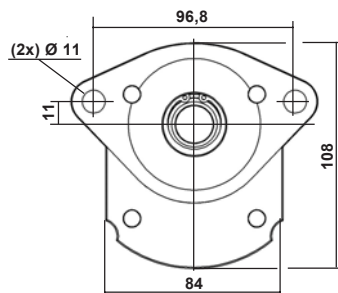
BAN



Centering: $\varnothing 36,47 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$
Thickness: 4

BAN : Series 2 F.T 20 1438
Series 2,5 F.T 25 1460

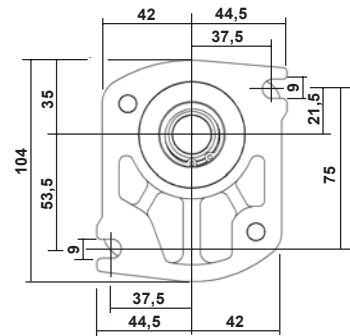
CAN



Centering: $\varnothing 63,5 \begin{smallmatrix} -0,030 \\ -0,076 \end{smallmatrix}$
Thickness: 3,2

CAN : Series 2 F.T 20 1439
Series 2,5 F.T 25 1461

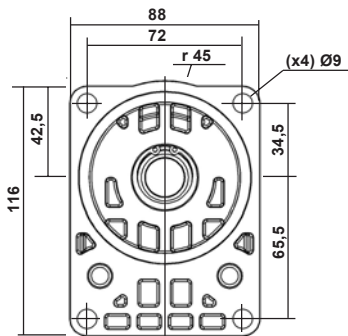
CEN / CEK



Centering: $\varnothing 50 \begin{smallmatrix} -0,025 \\ -0,050 \end{smallmatrix}$
Thickness: 4

CEN : Series 2 F.T 20 1440
Series 2,5 F.T 25 1462
CEK : Series 2 F.T 20 1441
Series 2,5 F.T 25 1463

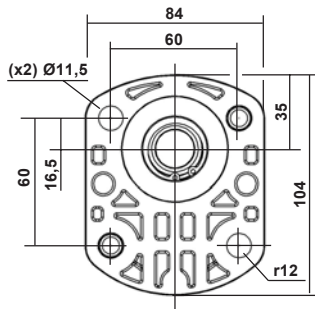
DBN / DBK



Centering: $\varnothing 80 \begin{smallmatrix} -0,030 \\ -0,060 \end{smallmatrix}$
Thickness: 8

DBN : Series 2 F.T 20 1442
Series 2,5 F.T 25 1464
DBK : Series 2 F.T 20 1443
Series 2,5 F.T 25 1465

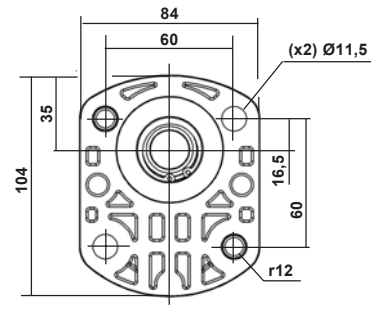
DCN / DCK



Centering: $\varnothing 50 \begin{smallmatrix} -0,025 \\ -0,050 \end{smallmatrix}$
Thickness: 6

DCN : Series 2 F.T 20 1444
Series 2,5 F.T 25 1466
DCK : Series 2 F.T 20 1445
Series 2,5 F.T 25 1467

DWN



Centering: $\varnothing 50 \begin{smallmatrix} -0,025 \\ -0,050 \end{smallmatrix}$
Thickness: 6

DWN : Series 2 F.T 20 1447
Series 2,5 F.T 25 1469

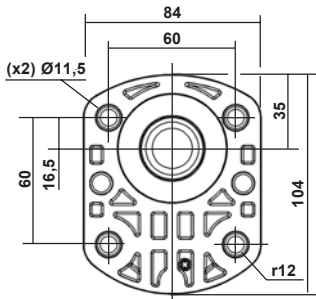
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1433 5/12

Consult us for availability

FLAT FRONT BODIES

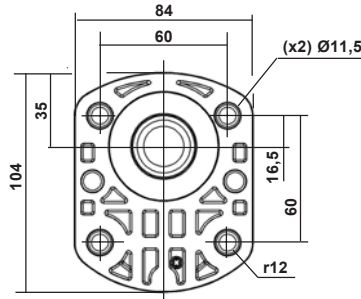
DUK



Centering: $\varnothing 52 \begin{matrix} -0,030 \\ -0,060 \end{matrix}$
Thickness: 6

DUK : Series 2 F.T 20 1446
Series 2,5 F.T 25 1468

DZK

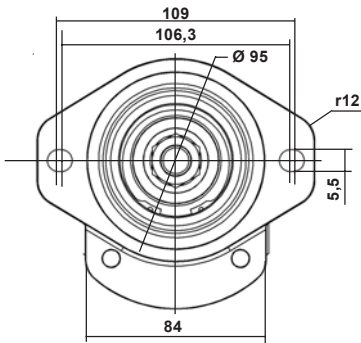


Centering: $\varnothing 52 \begin{matrix} -0,030 \\ -0,060 \end{matrix}$
Thickness: 6

DZK : Series 2 F.T 20 1448
Series 2,5 F.T 25 1470

THICK FRONT BODIES

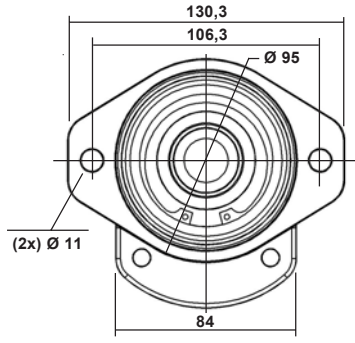
AAP / AAR



Centering: $\varnothing 82,55 \begin{matrix} 0 \\ -0,05 \end{matrix}$
Thickness: 6

AAP : Series 2 F.T 20 1449
Series 2,5 F.T 25 1471
AAR : Series 2 F.T 20 1450
Series 2,5 F.T 25 1472

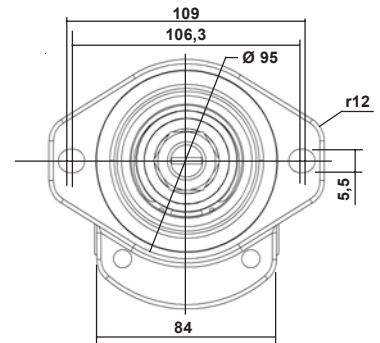
ARP / ARK



Centering: $\varnothing 85 \begin{matrix} -0,036 \\ -0,071 \end{matrix}$
Thickness: 14

ARP : Series 2 F.T 20 1451
Series 2,5 F.T 25 1473
ARK : Series 2 F.T 20 1452
Series 2,5 F.T 25 1474

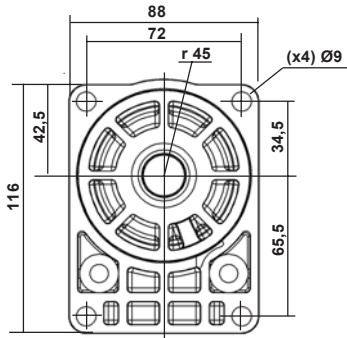
AVP



Centrage: $\varnothing 82,55 \begin{matrix} 0 \\ -0,05 \end{matrix}$
Epaisseur: 6

AVP : Série 2 F.T 20 1453
Série F.T 25 1475
2,5

DBP / DBR



Centering: $\varnothing 80 \begin{matrix} -0,03 \\ -0,06 \end{matrix}$
Thickness: 8

DBP : Series 2 F.T 20 1454
Series 2,5 F.T 25 1476
DBR : Series 2 F.T 20 1455
Series 2,5 F.T 25 1477

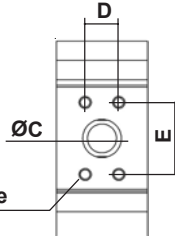
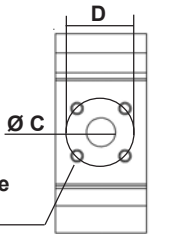
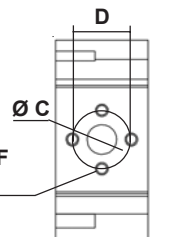
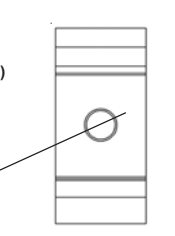
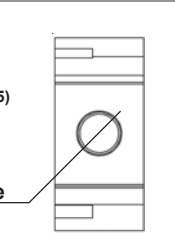
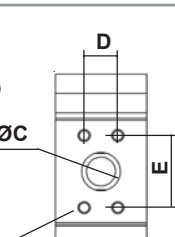

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1433 6/12

Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

												AFFECTATION					
												1 way rotation without counter pressure				2 ways rotation with counter pressure	
												M1		M2			
												ENTREE	SORTIE	ENTREE	SORTIE		
												1 way rotation with counter pressure				M3	
												M5		M6			
												INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
H (HPI) 	Capacity	INLET					OUTLET										
		ØC	D	E	ØF	G	ØC	D	E	ØF	G						
	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15						
	2014 to 2030																
	2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square) 	Capacity	INLET					OUTLET										
		ØC	D	E	ØF	G	ØC	D	E	ØF	G						
	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian) 	Capacity	INLET					OUTLET										
		ØC	D	E	ØF	G	ØC	D	E	ØF	G						
	2006 to 2012	15	30		M6	13	15	30		M6	13						
	2014 to 2030																
	2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded) 	Capacity	INLET					OUTLET										
		ØC	D	E	ØF	G	ØC	D	E	ØF	G						
	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022																
	2512				1/2" BSP	14				1" BSP	18						
U (Threaded SAE J 475) 	Capacity	INLET					OUTLET										
		ØC	D	E	ØF	G	ØC	D	E	ØF	G						
		2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20					
	2014 to 2022																
	2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030																
	2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20						
Y (ISO 6162) 	Capacity	INLET					OUTLET										
		ØC	D	E	ØF	G	ØC	D	E	ØF	G						
		2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14					
	2014 to 2022																
	2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030																
	2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14						
X (without ports) 	Capacity	INLET					OUTLET										
		ØC	D	E	ØF	G	ØC	D	E	ØF	G						
	2006 to 2030	Only with rear body Type A															
	2512 to 2522																

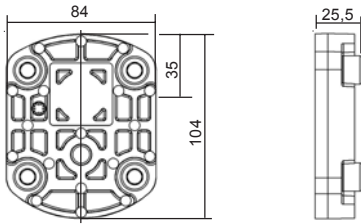
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1433 7/12

REAR BODIES for MOTORS M1 - M2

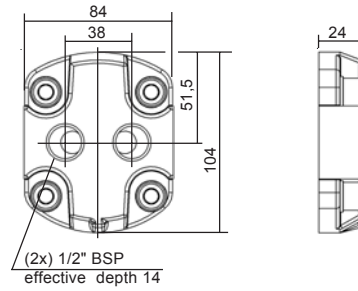
L

Standard



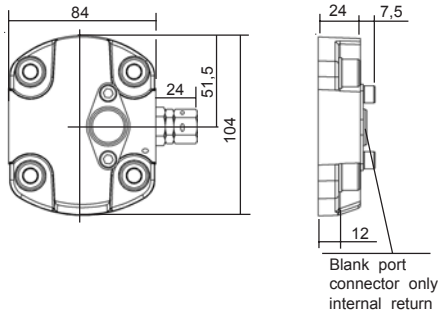
A

with ports



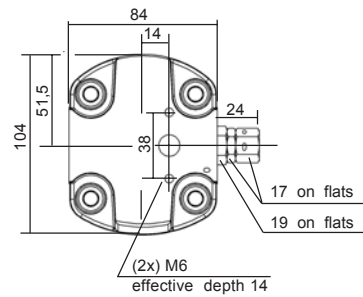
X

High pressure relief valve (Adjustable) Internal return



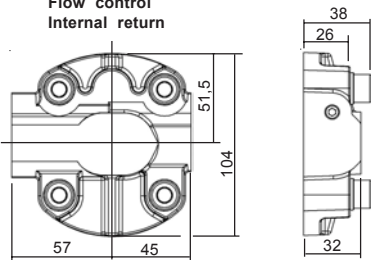
T

High pressure relief valve (Adjustable) External return



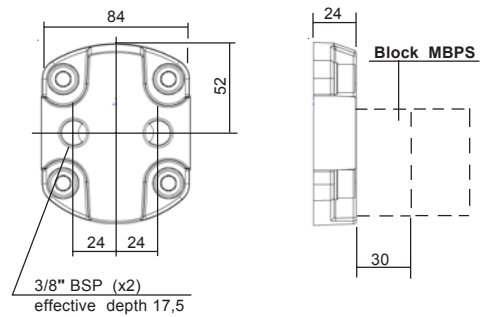
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

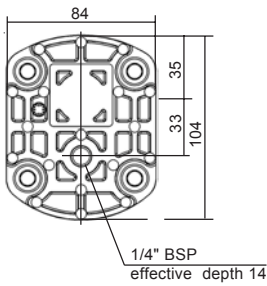
F.T 20 1433 8/12

Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

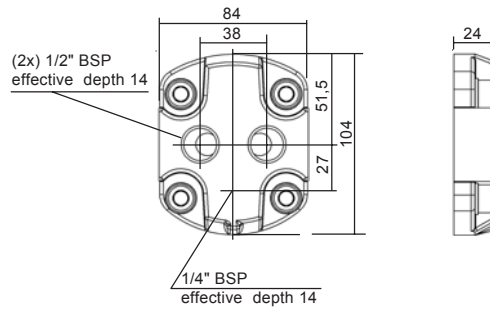
L

Standard



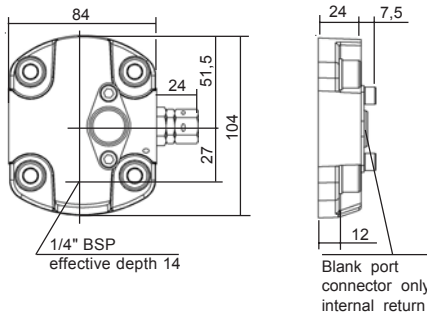
A

with ports



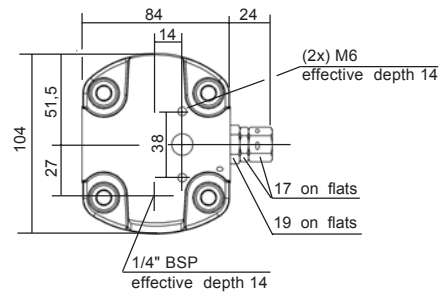
X

High pressure relief valve (Adjustable) Internal return



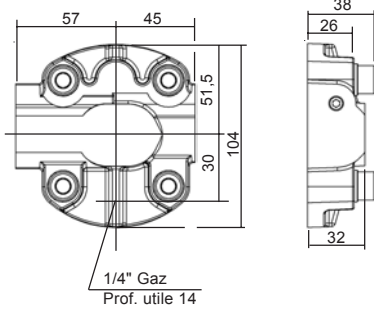
T

High pressure relief valve (Adjustable) External return



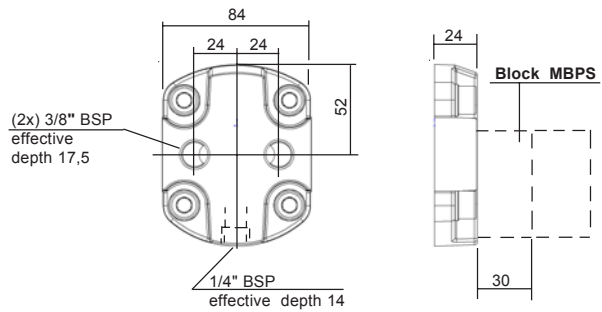
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1433 9/12

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



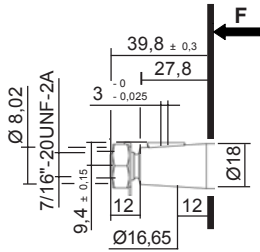
Consult us for availability

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

B02 Cône 1 / 8

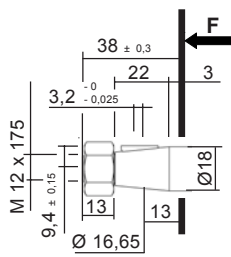


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

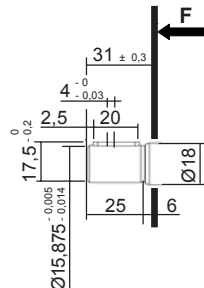
Maxi transmissible torque

220 N.m

Straight keyed

20

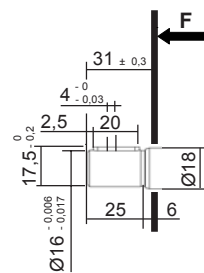
A01



Maxi transmissible torque

50 N.m

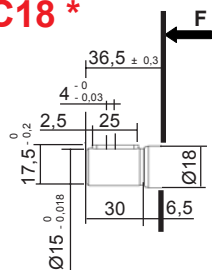
C02



Maxi transmissible torque

50 N.m

C18 *

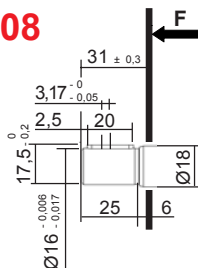


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



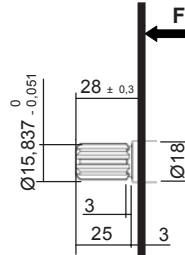
Maxi transmissible torque

50 N.m

Splined

30

A01

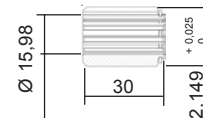


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

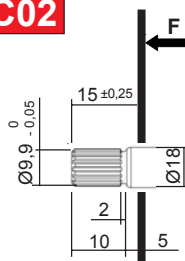
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

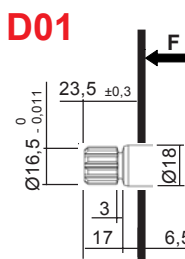


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

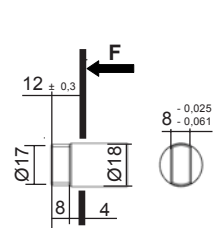
Maxi transmissible torque

100 N.m

Tang

40

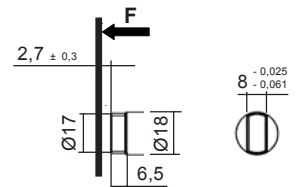
C03



Maxi transmissible torque

70 N.m

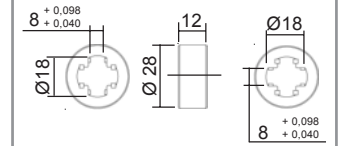
D02



Max tightening torque

70 N.m

Coupling on request:
Ref. K102947



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1433 10/12

Consult us for availability

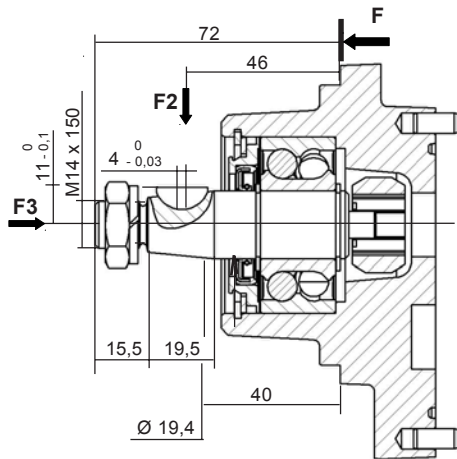
DRIVING SHAFT (THICK FRONT BODY)

Tapered

10

AAP / AAR

C03 Taper 1 / 5



F2 Maxi: 120 daN
F3 Maxi: 50 daN

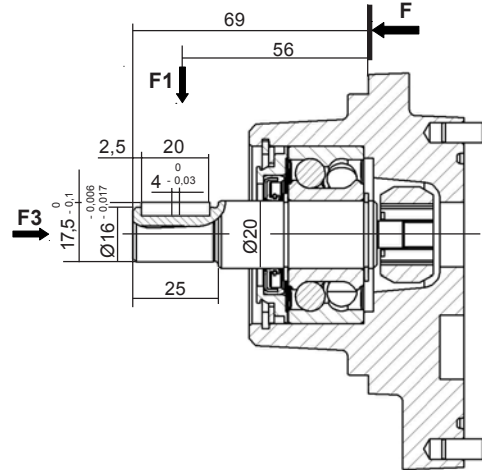
Maxi transmissible torque
70 N.m

Straight keyed

20

AAP / AAR

C03

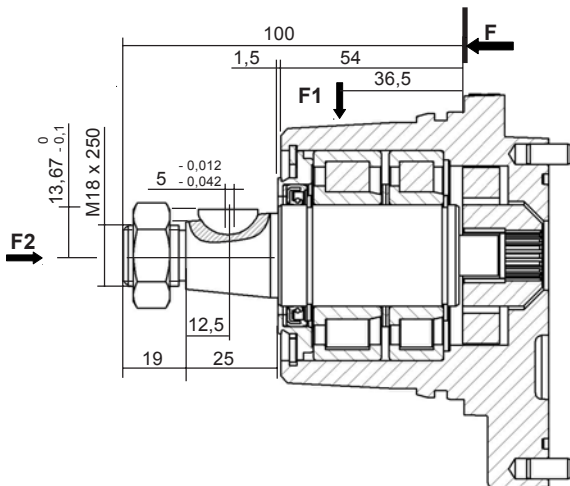


F1 Maxi: 120 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

ARP / ARK

C05 Taper 1 / 5



Delivered with nut: K106295

F1 Maxi: 350 daN
F2 Maxi: 50 daN

Maxi transmissible torque
70 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1433 11/12



Consult us for availability

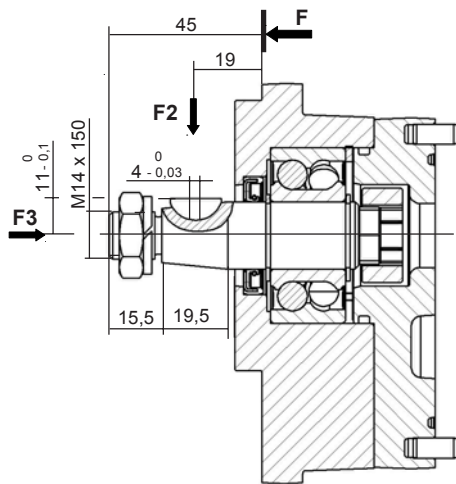
DRIVING SHAFT (THICK FRONT BODY)

Tapered

10

DBP / DBR

C07 Taper 1 / 5



Delivered with Nut: K102045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

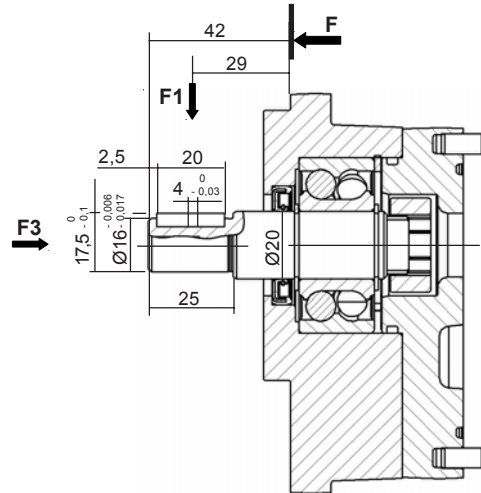
Maxi transmissible torque
50 N.m

Straight keyed

20

DBP / DBR

C15



F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

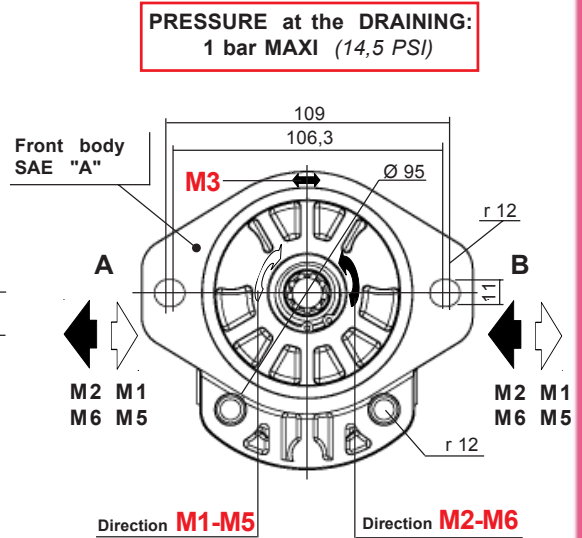
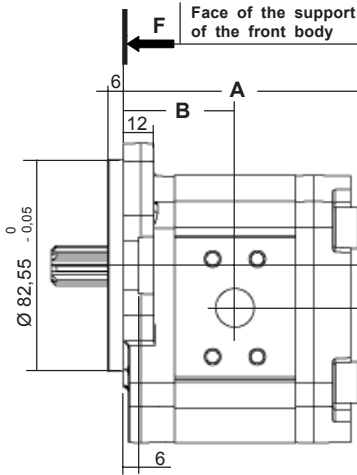
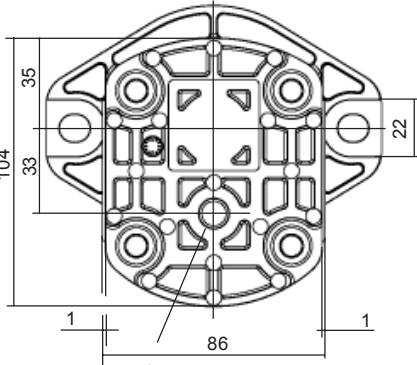
F.T 20 1433 12/12



Consult us for availability

M II Sign **AA** **N** **2** VI Sign **H** **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Seals kits:

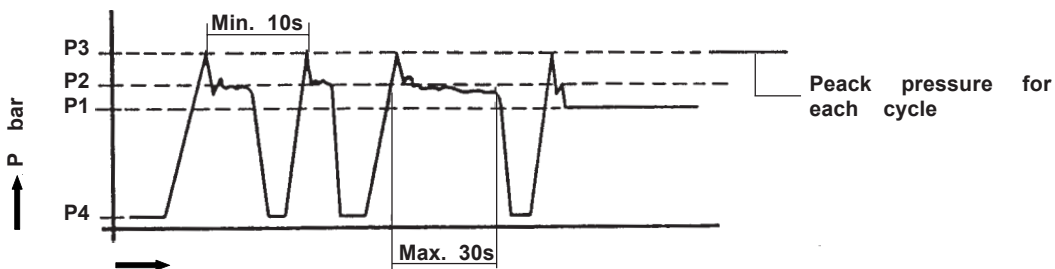
M1 - M2
Nitrile: **K5069810** Viton: **K5069820**
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: **K5071067** Viton: **K5071068**
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	///	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	///	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	///	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	///	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



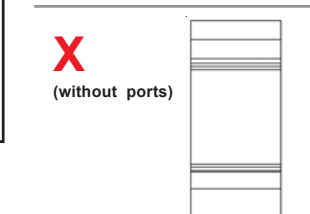
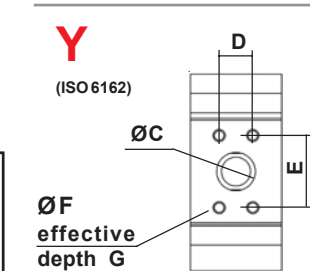
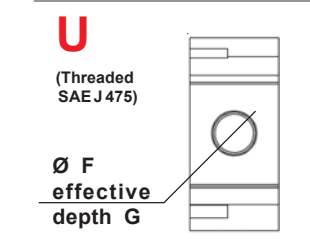
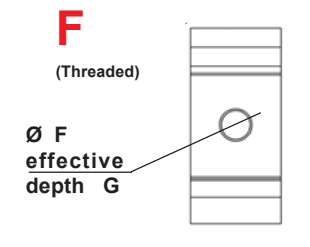
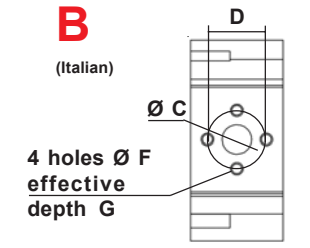
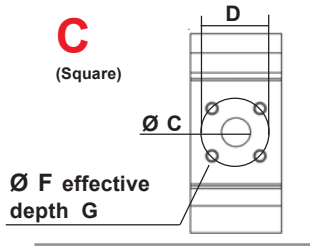
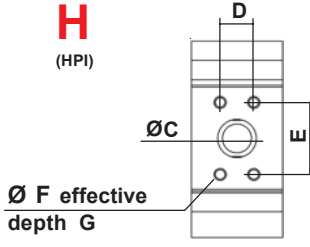
Consult us for availability

F.T 20 1434 1/5

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure				2 ways rotation with counter pressure											
		M1		M2		M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET						
		1 way rotation with counter pressure															
		M5		M6													
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12						
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13						
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18						
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20						
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20						
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14						
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14						
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



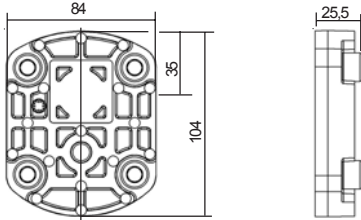
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1434 2/5

REAR BODIES for MOTORS M1 - M2

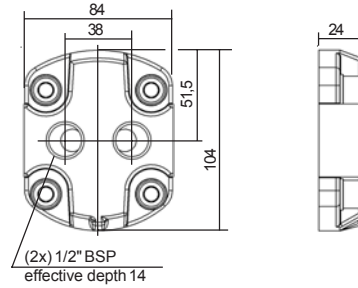
L

Standard



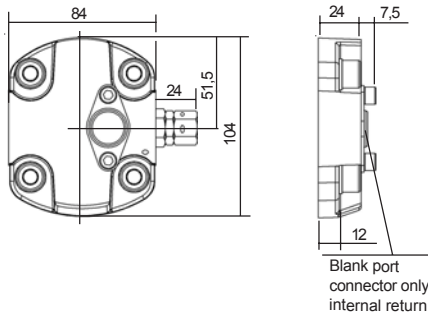
A

with ports



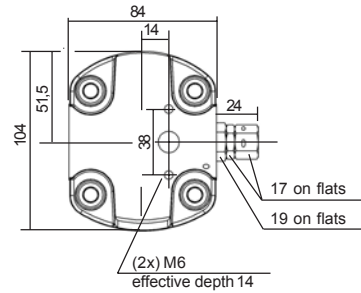
X

High pressure relief valve
(Adjustable) Internal return



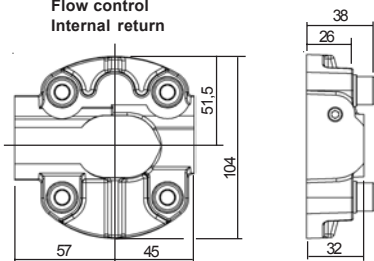
T

High pressure relief valve
(Adjustable) External return



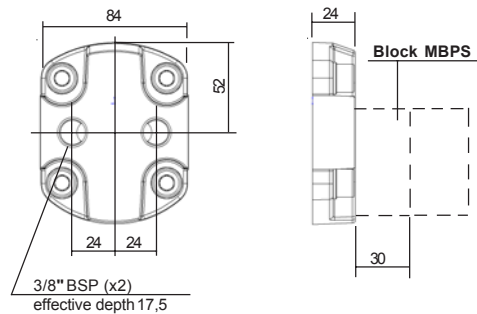
Q

Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1434 3/5

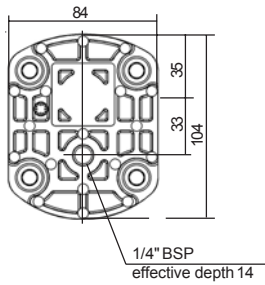


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

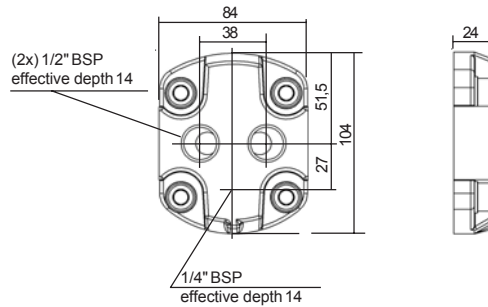
L

Standard



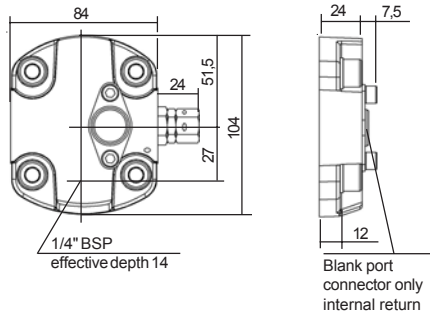
A

with ports



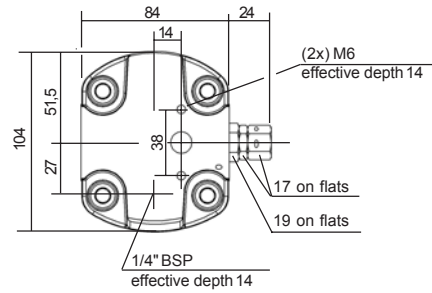
X

High pressure relief valve (Adjustable) Internal return



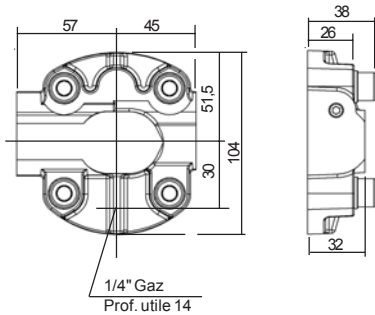
T

High pressure relief valve (Adjustable) External return



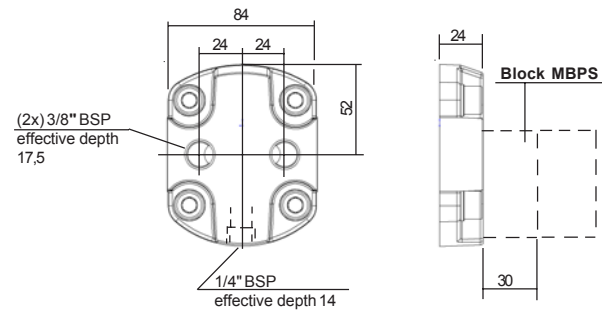
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1434 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

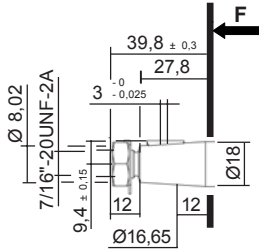


Consult us for availability

DRIVING SHAFT

Tapered
10

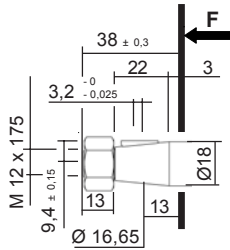
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

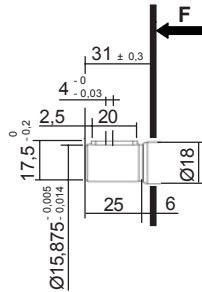


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

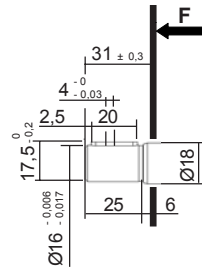
Straight keyed
20

A01



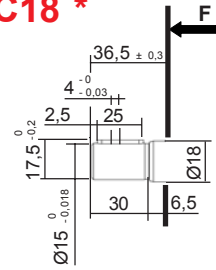
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

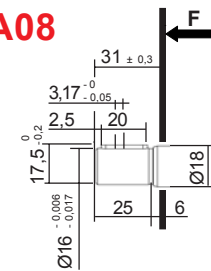
C18 *



Maxi transmissible torque
40 N.m

* ONLY 2006 to 2012

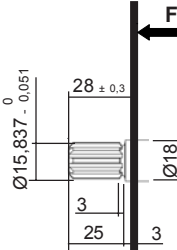
A08



Maxi transmissible torque
50 N.m

Splined
30

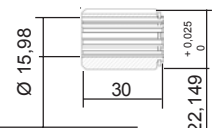
A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque
100 N.m

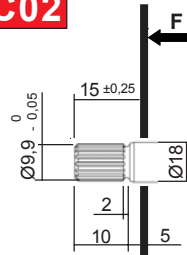
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

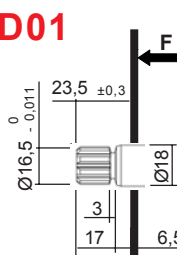
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01

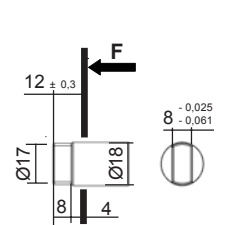


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

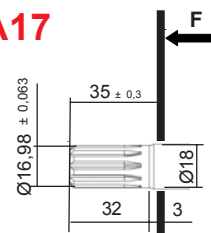
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

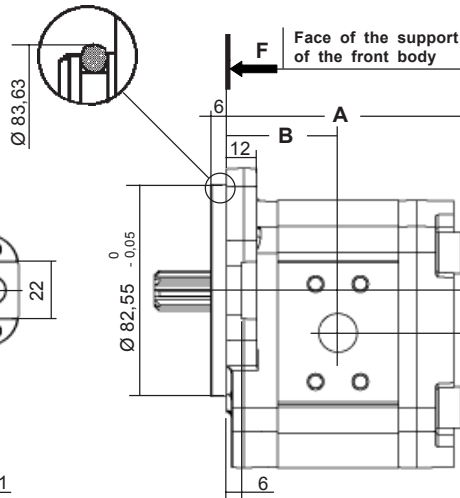
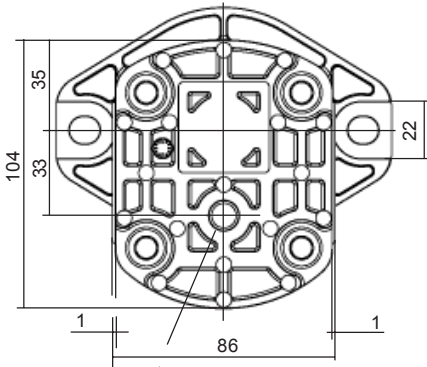
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1434 5/5

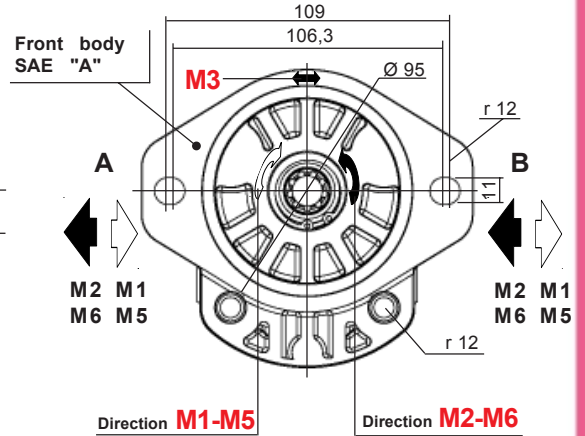
Consult us for availability

M II Sign **AAK2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

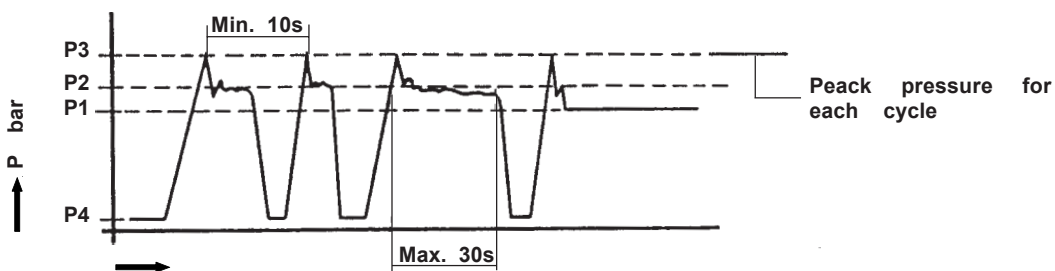
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Seals kits:
M1 - M2
 Nitrile: K5069810 + K102901
 Viton: K5069820 + K104093
 (For manufacturer to since january 1984)
M3 - M5/M6
 Nitrile: K5071067 + K102901
 Viton: K5071068 + K104093
 (For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI) Kg	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	1500	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	1500	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	1500	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	1500	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure				2 ways rotation with counter pressure											
		M1		M2		M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	OUTLET						
		1 way rotation with counter pressure															
		M5		M6													
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



Consult us for availability

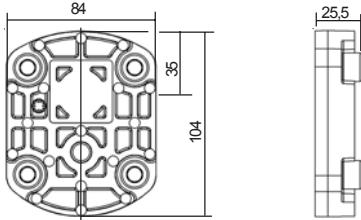
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1436 2/5

REAR BODIES for MOTORS M1 - M2

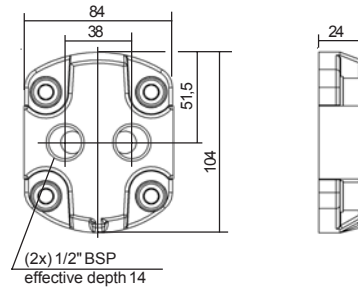
L

Standard



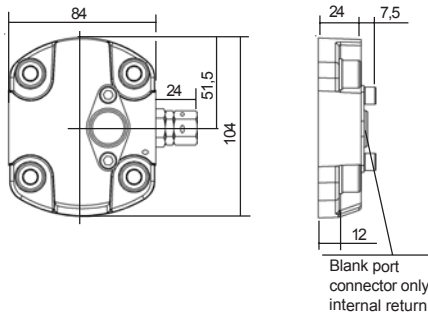
A

with ports



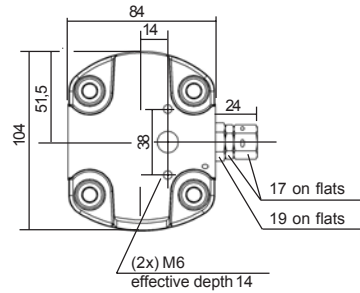
X

High pressure relief valve (Adjustable) Internal return



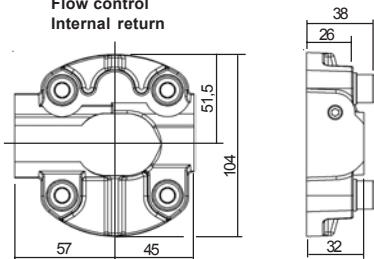
T

High pressure relief valve (Adjustable) External return



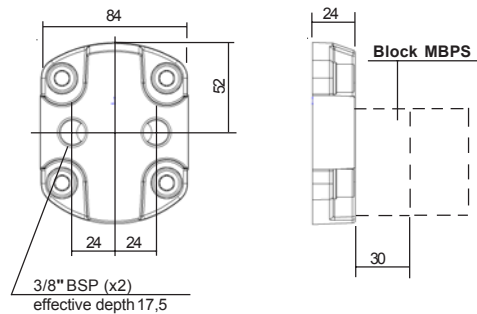
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1435 3/5

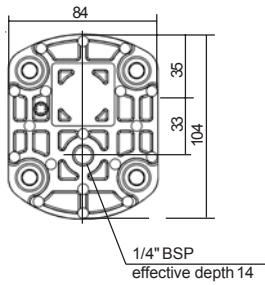


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

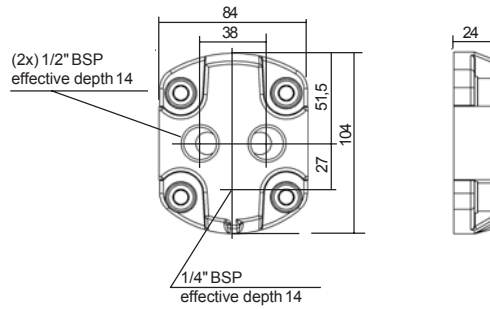
L

Standard



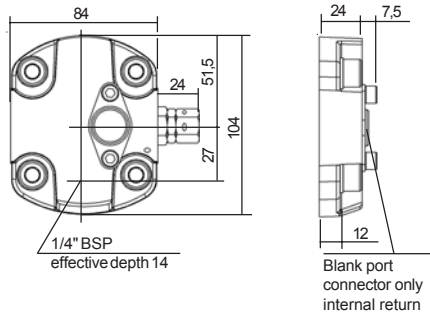
A

with ports



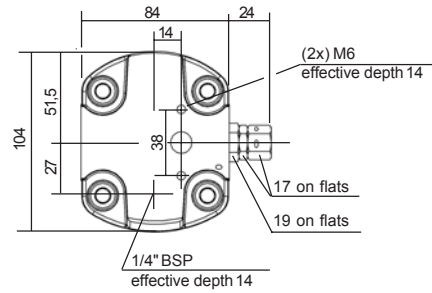
X

High pressure relief valve (Adjustable) Internal return



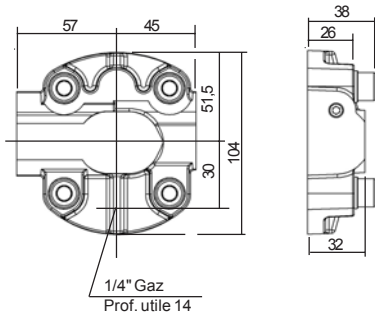
T

High pressure relief valve (Adjustable) External return



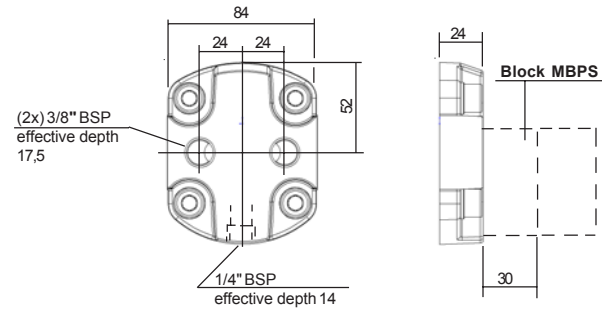
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1435 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



Consult us for availability

DRIVING SHAFT

Tapered

10

Straight keyed

20

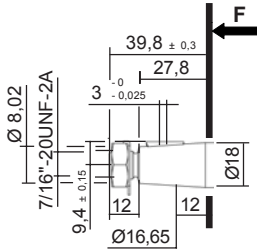
Splined

30

Tang

40

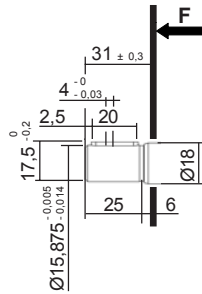
B02 Cône 1 / 8



Delivered with nut: K100841

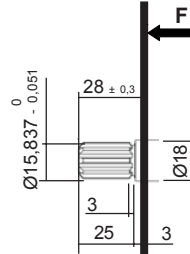
Maxi transmissible torque
250 N.m

A01



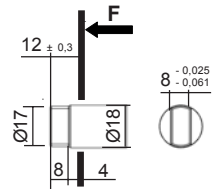
Maxi transmissible torque
50 N.m

A01



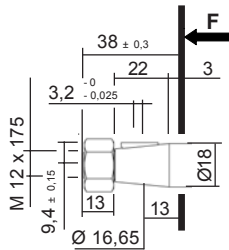
Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle
Maxi transmissible torque
100 N.m

C03



Maxi transmissible torque
70 N.m

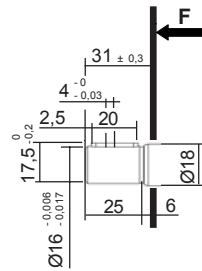
C02 Cône 1 / 5



Delivered with nut: K106317

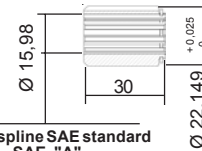
Maxi transmissible torque
220 N.m

C02



Maxi transmissible torque
50 N.m

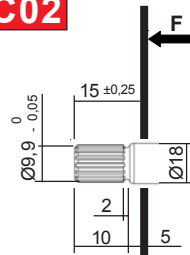
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft **30 A01**



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

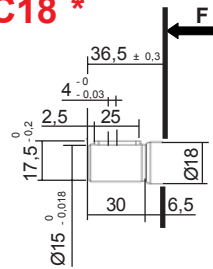
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

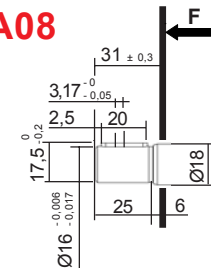
C18 *



Maxi transmissible torque
40 N.m

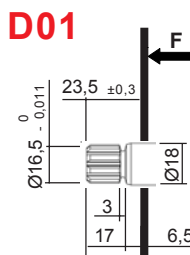
* **ONLY 2006 to 2012**

A08



Maxi transmissible torque
50 N.m

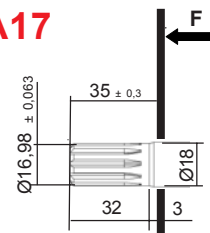
D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

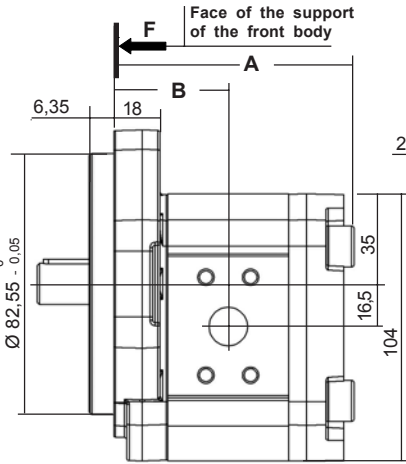
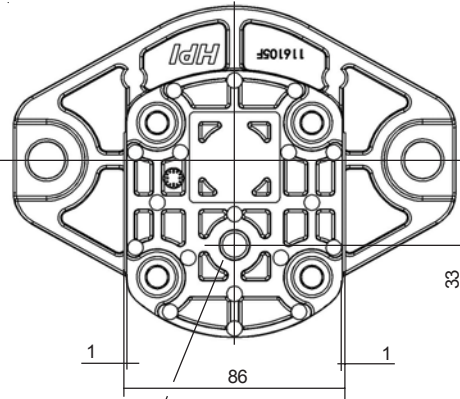
F.T 20 1435 5/5



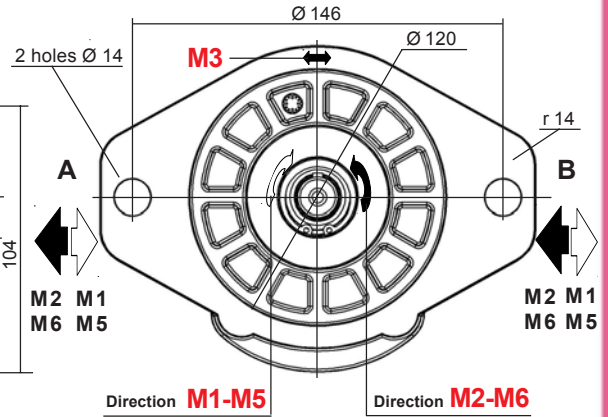
Consult us for availability

M II Sign **AFN 2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



CHOICE of the Capacity	Dimensions	
	A	B

006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Seals kits:
M1 - M2
Nitrile: **K5069810** Viton: **K5069820**
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: **K5071067** Viton: **K5071068**
(For manufacturer to since february 1986)

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

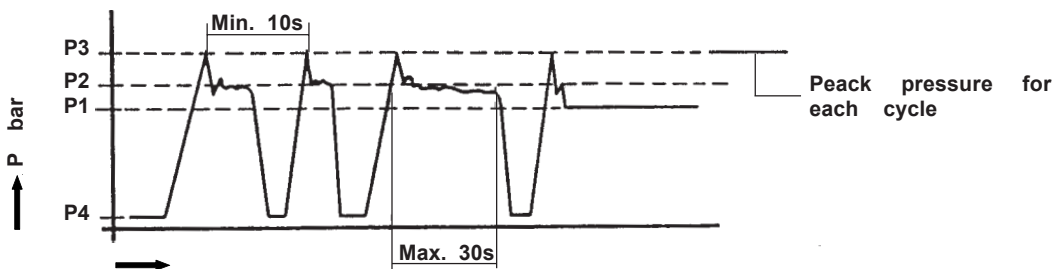
Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty
P3 Max. Allowable peak pressure

P2 Maximum pressure in intermittent duty
P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

F.T 20 1436 1/5

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION									
		1 way rotation without counter pressure				2 ways rotation with counter pressure					
		M1		M2		M5		M6		M3	
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET
		1 way rotation with counter pressure									
		M5		M6							
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
H (HPI)	2006 to 2012	A	B	B	A	B	A	B	A	B	A
	2014 to 2030 2512 to 2522	A	B	B	A	B	A	B	A	B	A
C (Square)	2006 to 2030	A	B	B	A	B	A	B	A	B	A
	2512 to 2522	A	B	B	A	B	A	B	A	B	A
B (Italian)	2006 to 2012	A	B	B	A	B	A	B	A	B	A
	2014 to 2030 2512 to 2522	A	B	B	A	B	A	B	A	B	A
F (Threaded)	2006 to 2012	A	B	B	A	B	A	B	A	B	A
	2014 to 2022 2512	A	B	B	A	B	A	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012	A	B	B	A	B	A	B	A	B	A
	2014 to 2022 2512	A	B	B	A	B	A	B	A	B	A
	2026-2030 2515 to 2522	A	B	B	A	B	A	B	A	B	A
Y (ISO 6162)	2006 to 2012	A	B	B	A	B	A	B	A	B	A
	2014 to 2022 2512	A	B	B	A	B	A	B	A	B	A
	2026-2030 2515 to 2522	A	B	B	A	B	A	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A									



Consult us for availability

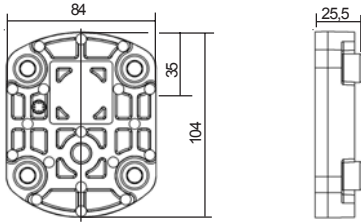
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1436 2/5

REAR BODIES for MOTORS M1 - M2

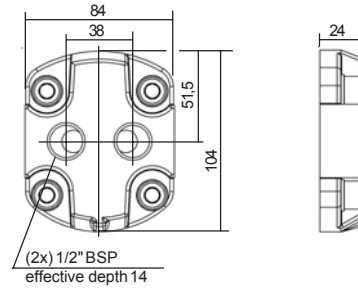
L

Standard



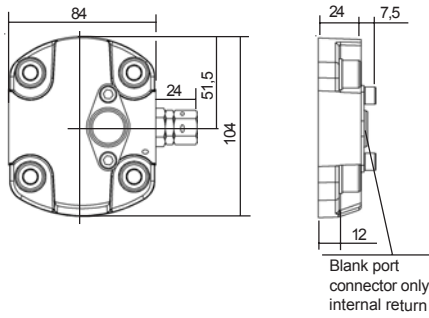
A

with ports



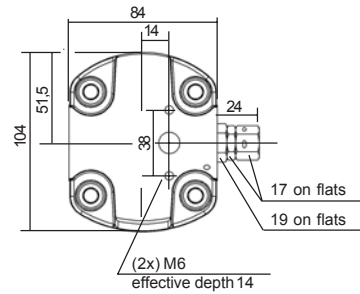
X

High pressure relief valve (Adjustable) Internal return



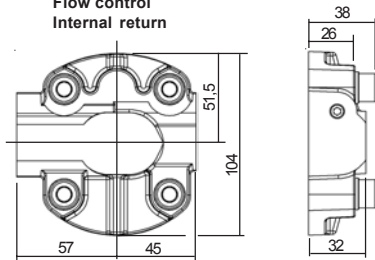
T

High pressure relief valve (Adjustable) External return



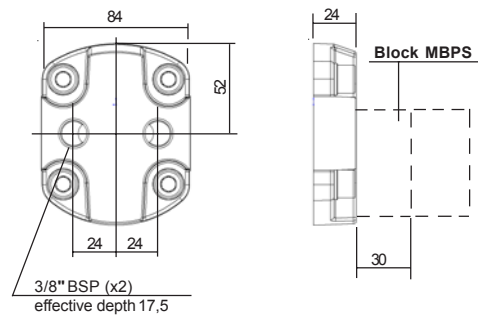
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

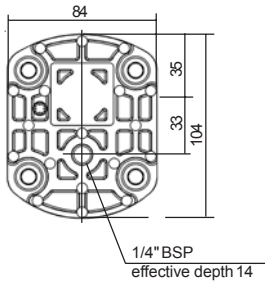
F.T 20 1436 3/5



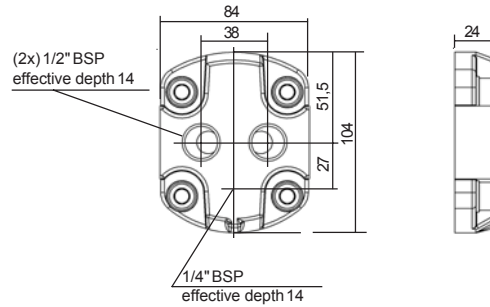
Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

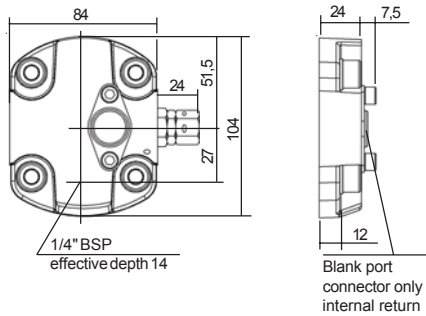
L
Standard



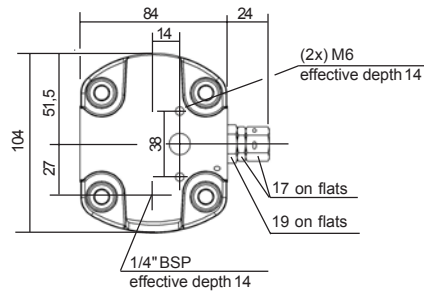
A
with ports



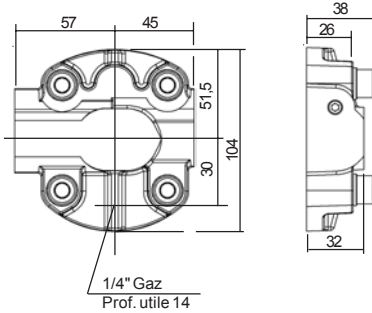
X
High pressure relief valve
(Adjustable) Internal return



T
High pressure relief valve
(Adjustable) External return

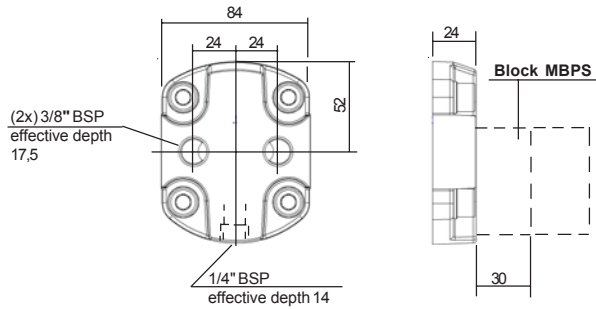


Q
Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1436 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

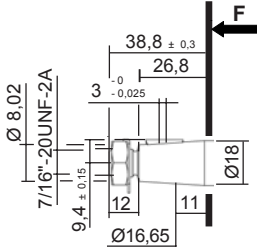


Consult us for availability

DRIVING SHAFT (FLAT FRONT BODY)

Tapered
10

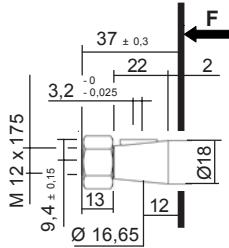
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

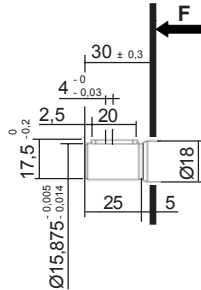


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

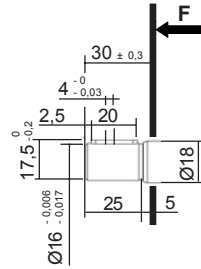
Straight keyed
20

A01



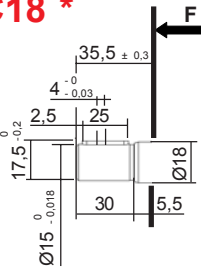
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

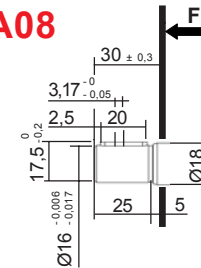
C18 *



Maxi transmissible torque
40 N.m

*** ONLY 2006 to 2012**

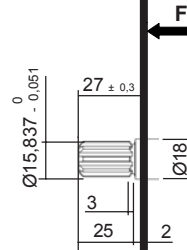
A08



Maxi transmissible torque
50 N.m

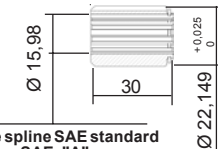
Splined
30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle
Maxi transmissible torque
100 N.m

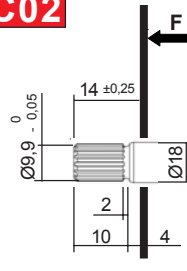
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

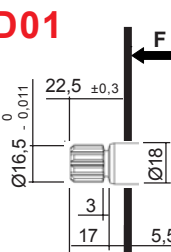
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01

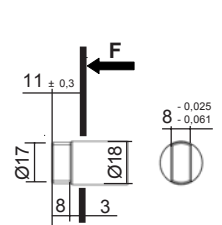


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

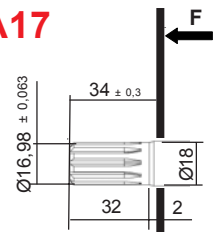
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

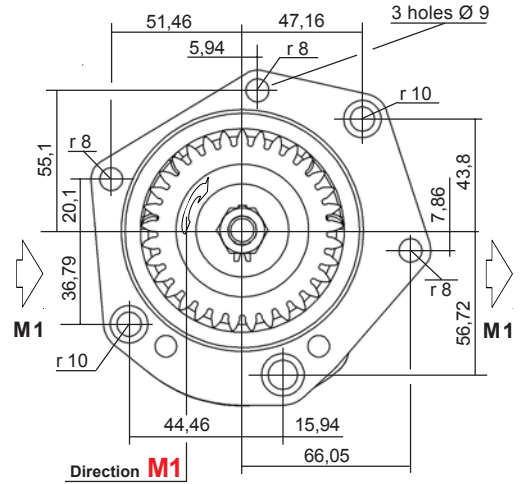
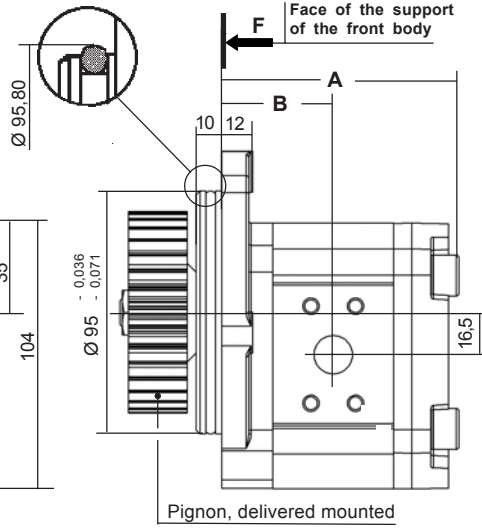
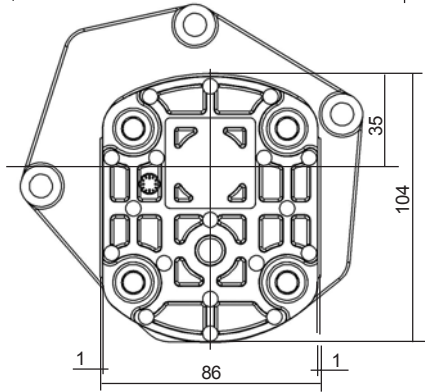
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1436 5/5

Consult us for availability

M 1 **APK 2** VI Sign **H L P** **P100** * XI Sign

For CODIFICATION, see data sheet **F.T R 0243**



Dimensions readings and approximative characteristics subject to modifications.

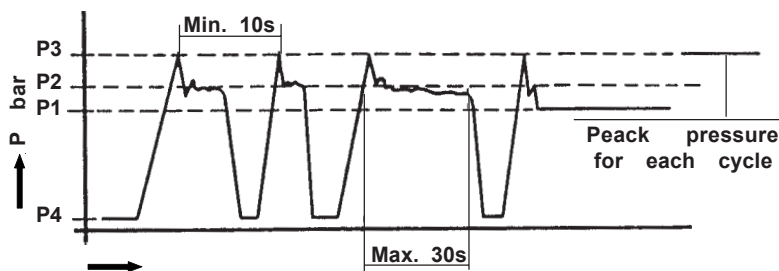
CHOICE of the PIGNONS		
	Type 1000	Type 1100
Nb teeth:	28	33
Module:	2,54	2,17
Pressure angle:	20°	17°
Angle of the helix:	14°8'	14°
Way of the helix:	left	left

CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Seals kits:
M1
 Nitrile: **K5069810 + X368928**
 Viton: **K5069820**
 (For manufacturer to since january 1984)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}		3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}		3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}		3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}		3500	2,7

F.T 20 1437 1/4

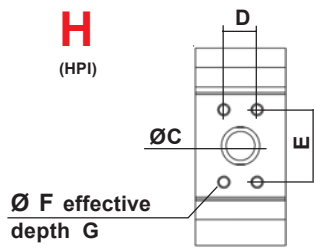
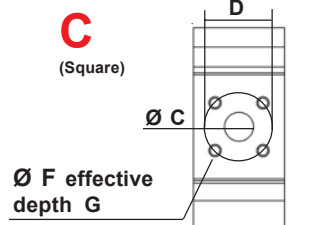
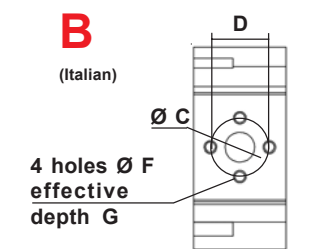
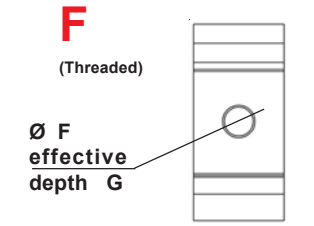
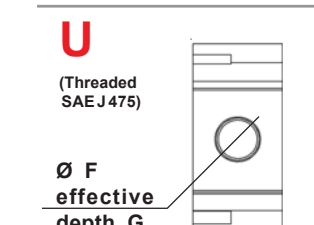
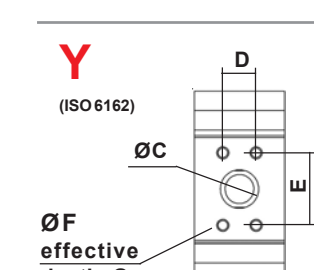


On the hereunder indicated diagram, the maximum duty pressure are the following.
P1 Maximum pressure in continuous duty
P2 Maximum pressure in intermittent duty
P3 Max. Allowable peak pressure
P4 Pressure at Motor outlet ≤ P (Only in M3)

 Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

	Capacity	INLET					OUTLET				
		ØC	D	E	ØF	G	ØC	D	E	ØF	G
H (HPI) 	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12
C (Square) 	2006 to 2030	15	35		M6	12	20	40		M6	12
	2512 to 2522										
B (Italian) 	2006 to 2012	15	30		M6	13	15	30		M6	13
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13
F (Threaded) 	2006 to 2012				3/8" BSP	12				3/4" BSP	16
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18
U (Threaded SAE J475) 	2006 to 2012				7/8" 14 UNF 2B	17				1"1/16 12 UNF 2B	20
	2014 to 2022 2512				1"5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20
	2026-2030 2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20
Y (ISO 6162) 	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14

Dimensions readings and approximative characteristics subject to modifications.

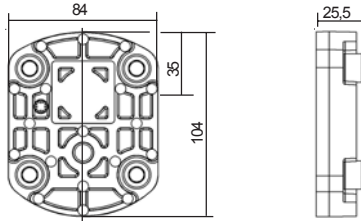
F.T 20 1437 2/4

Consult us for availability

REAR BODIES for MOTORS M1

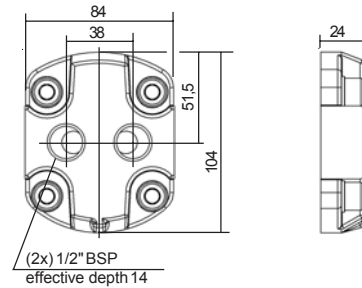
L

Standard



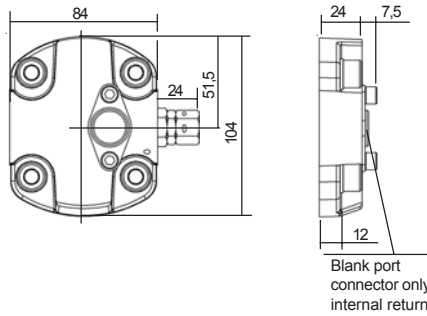
A

with ports



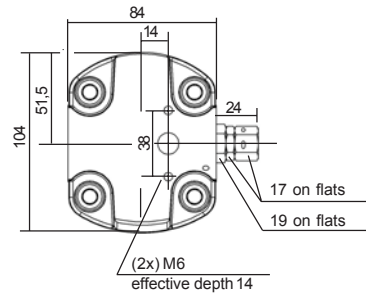
X

High pressure relief valve
(Adjustable) Internal return



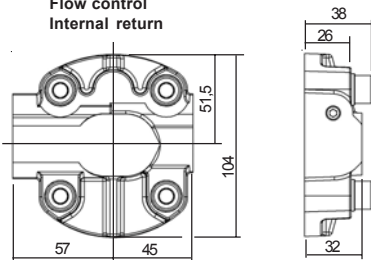
T

High pressure relief valve
(Adjustable) External return



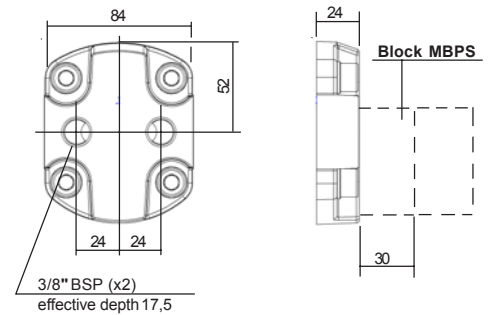
Q

Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1437 3/4

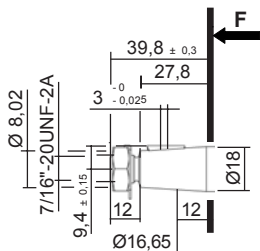


Consult us for availability

DRIVING SHAFT

Tapered	Straight keyed	Splined	Tang
10	20	30	40

B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque

250 N.m

Dimensions readings and approximative characteristics subject to modifications.

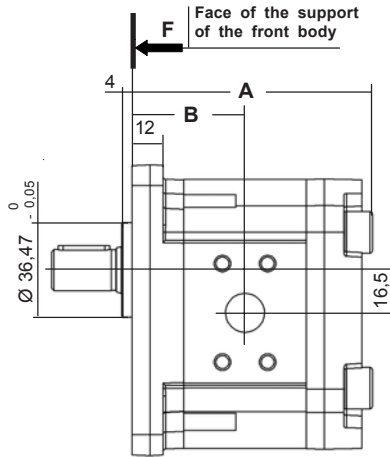
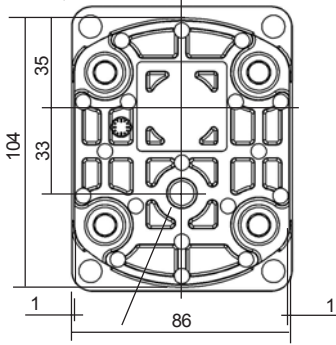
F.T 20 1437 4/4



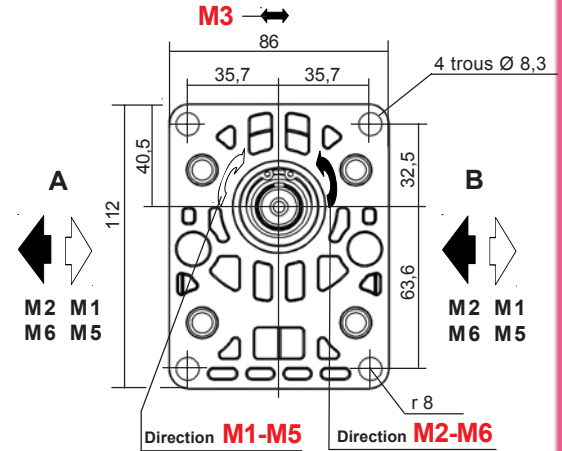
Consult us for availability

M II Sign BAN 2 VI Sign HL IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R 0243



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

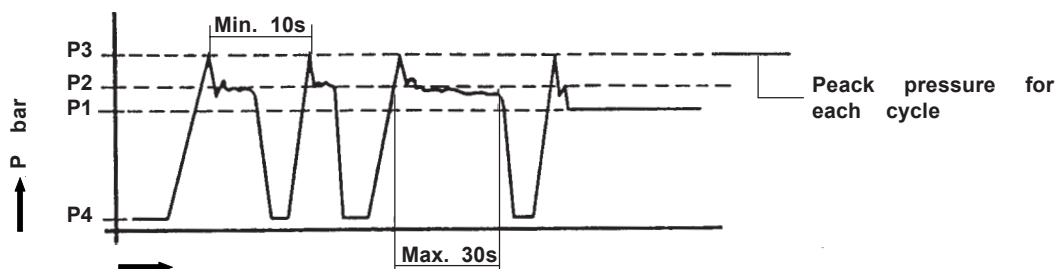
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Seals kits:
M1 - M2
Nitrile: K5069810 Viton: K5069820
(For manufacture to since january 1984)
M3
Nitrile: K5071067 Viton: K5071068
(For manufacture to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



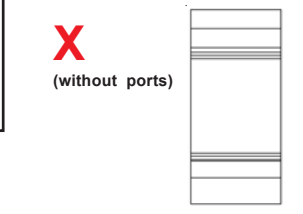
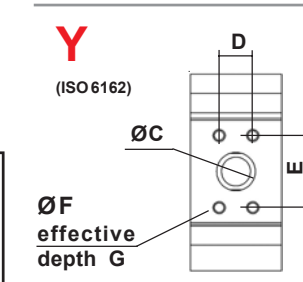
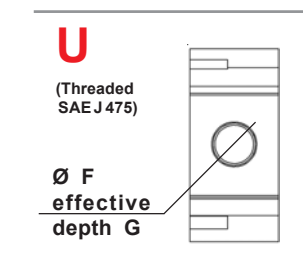
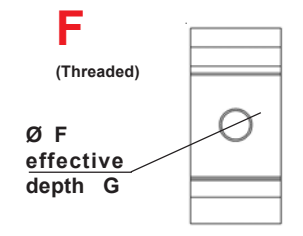
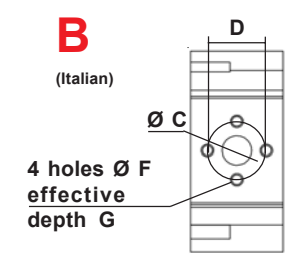
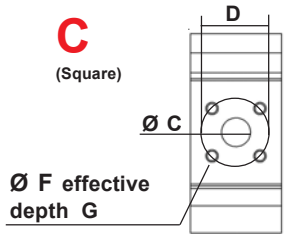
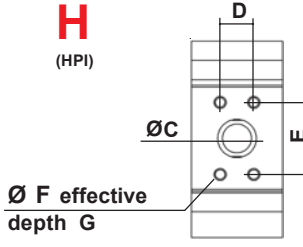
Consult us for availability

F.T 20 1438 1/5

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure				2 ways rotation with counter pressure											
		M1		M2		M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE						
		1 way rotation with counter pressure															
		M5		M6													
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



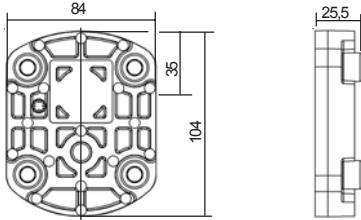
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1438 2/5

REAR BODIES for MOTORS M1 - M2

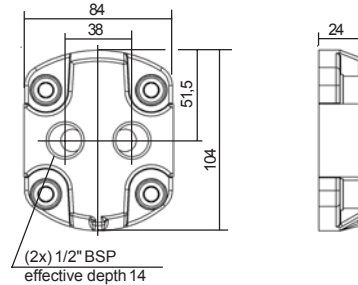
L

Standard



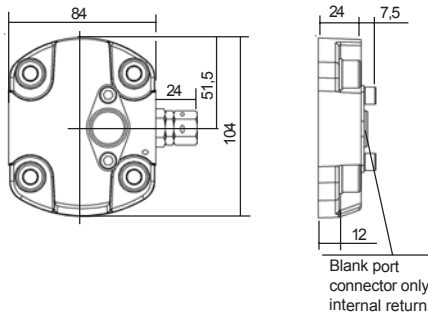
A

with ports



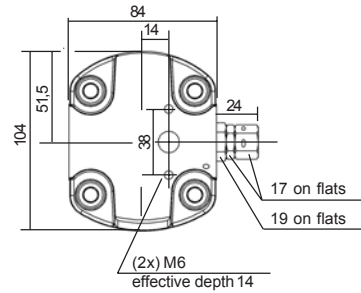
X

High pressure relief valve
(Adjustable) Internal return



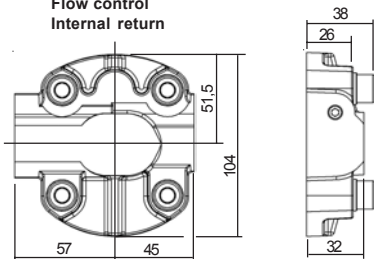
T

High pressure relief valve
(Adjustable) External return



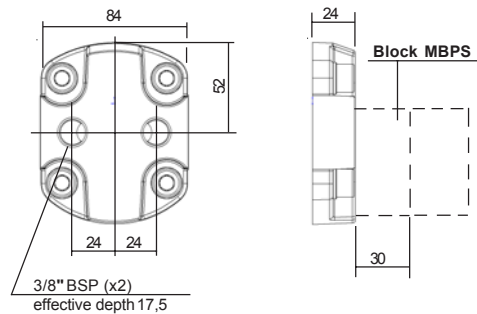
Q

Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1438 3/5

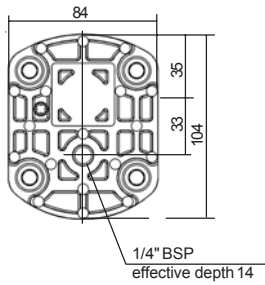


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

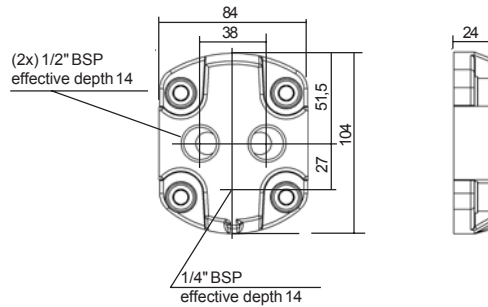
L

Standard



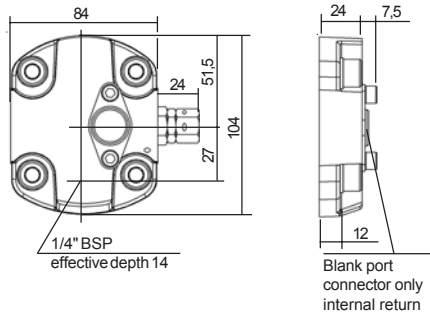
A

with ports



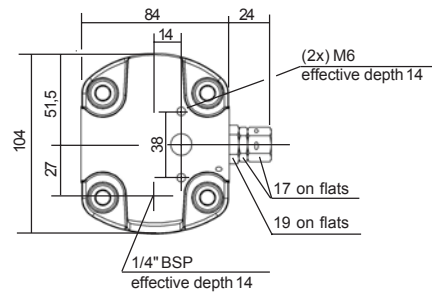
X

High pressure relief valve (Adjustable) Internal return



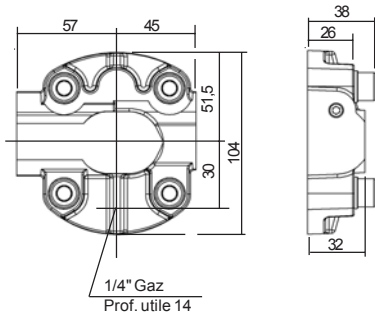
T

High pressure relief valve (Adjustable) External return



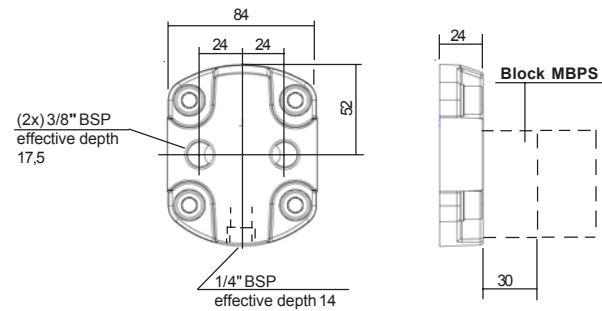
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1438 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



Consult us for availability

DRIVING SHAFT

Tapered

10

Straight keyed

20

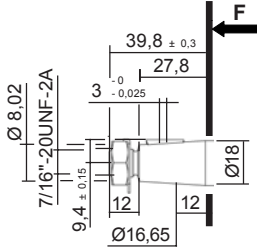
Splined

30

Tang

40

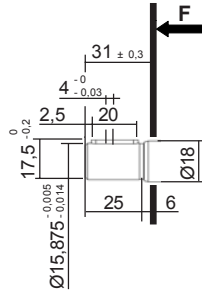
B02 Cône 1 / 8



Delivered with nut: K100841

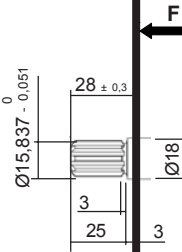
Maxi transmissible torque
250 N.m

A01



Maxi transmissible torque
50 N.m

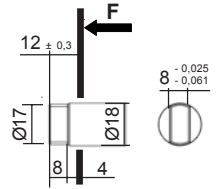
A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

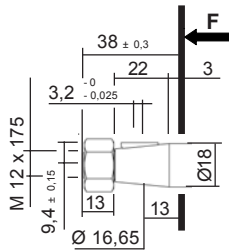
Maxi transmissible torque
100 N.m

C03



Maxi transmissible torque
70 N.m

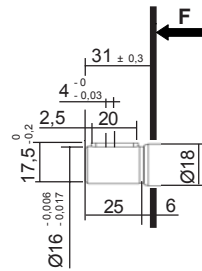
C02 Cône 1 / 5



Delivered with nut: K106317

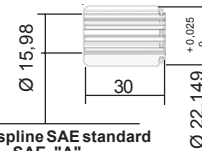
Maxi transmissible torque
220 N.m

C02



Maxi transmissible torque
50 N.m

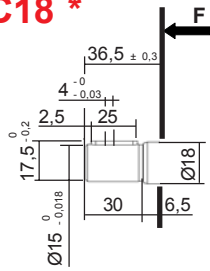
Sleeve coupling 9 teeth / 13 teeth
Ref.: **K.5041310**
Mounting with splined shaft **30 A01**



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

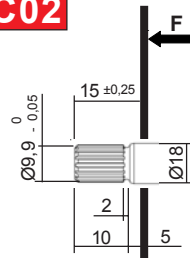
C18 *



Maxi transmissible torque
40 N.m

*** ONLY 2006 to 2012**

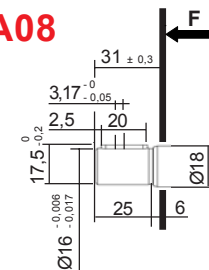
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

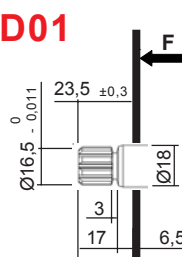
Maxi transmissible torque
100 N.m

A08



Maxi transmissible torque
50 N.m

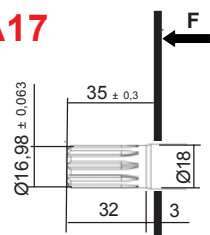
D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

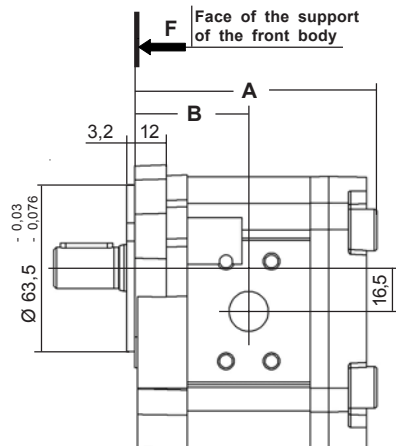
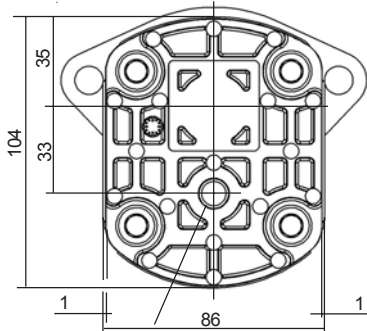
F.T 20 1438 5/5



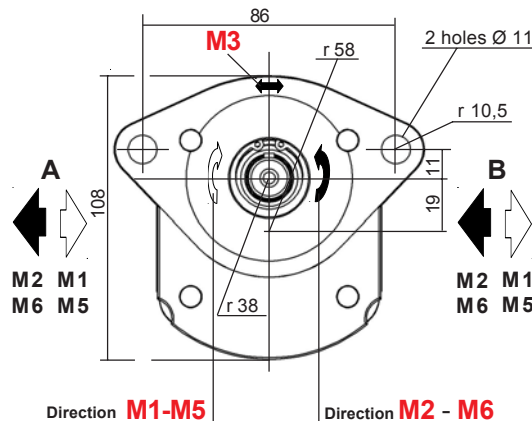
Consult us for availability

M II Sign CAN 2 VI Sign HL IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T R 0243



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Seals kits:

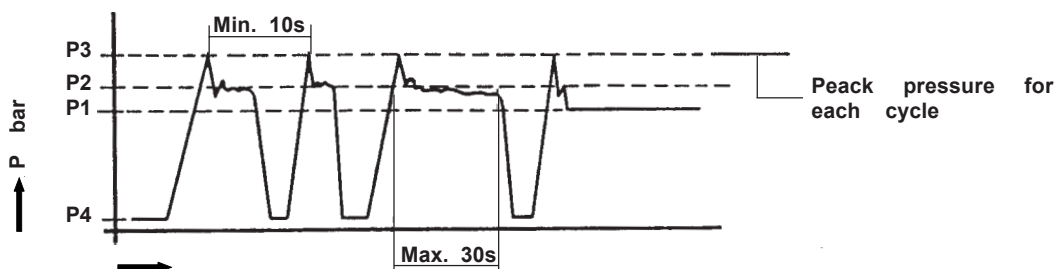
M1 - M2
Nitrile: K5069810 Viton: K5069820
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5071067 Viton: K5071068
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	1500	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	1500	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	1500	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	1500	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure				2 ways rotation with counter pressure											
		M1		M2		M3											
		ENTREE	SORTIE	ENTREE	SORTIE												
		1 way rotation with counter pressure															
		M5		M6													
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



Consult us for availability

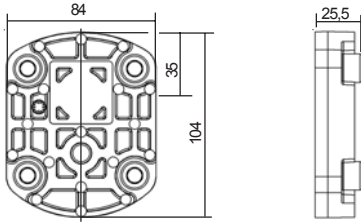
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1439 2/5

REAR BODIES for MOTORS M1 - M2

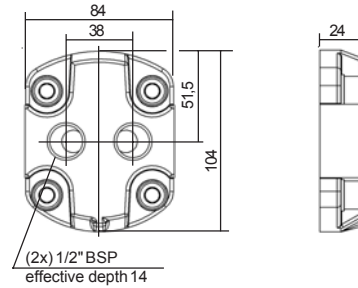
L

Standard



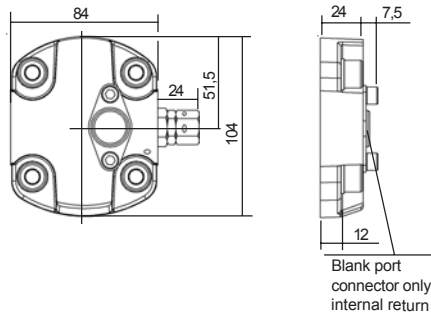
A

with ports



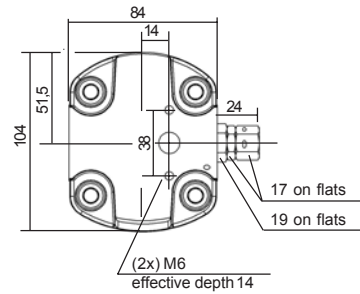
X

High pressure relief valve (Adjustable) Internal return



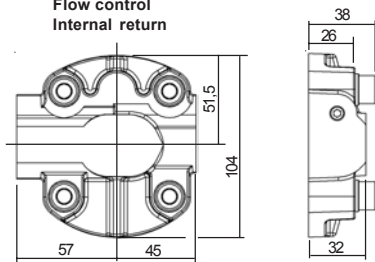
T

High pressure relief valve (Adjustable) External return



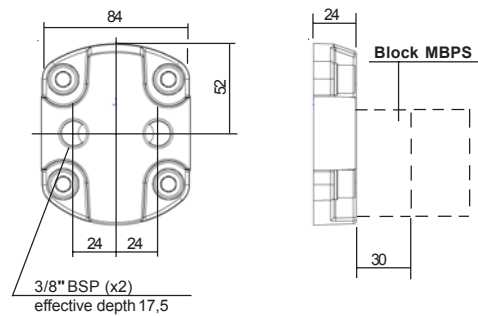
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

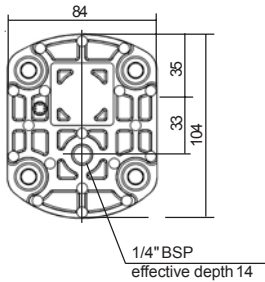
F.T 20 1439 3/5



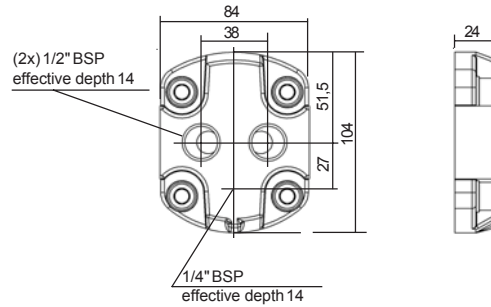
Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

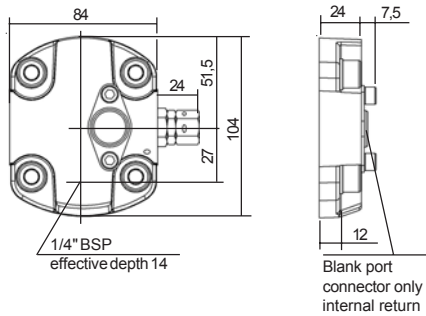
L
Standard



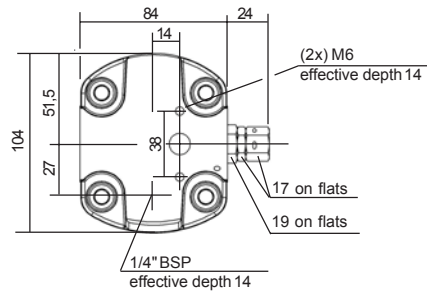
A
with ports



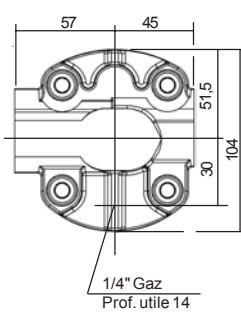
X
High pressure relief valve
(Adjustable) Internal return



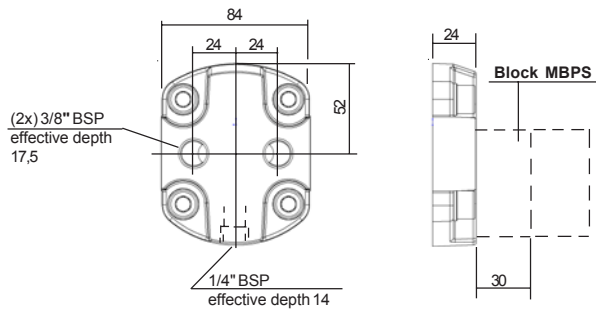
T
High pressure relief valve
(Adjustable) External return



Q
Flow control
Internal return



AR
Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1439 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

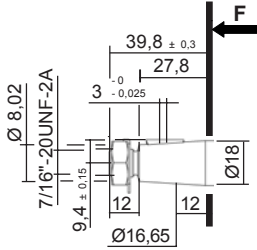
Versions not manufactured

Consult us for availability

DRIVING SHAFT

Tapered
10

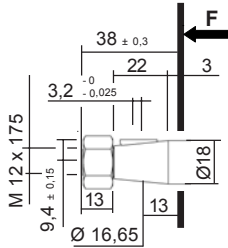
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

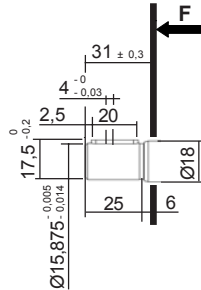


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

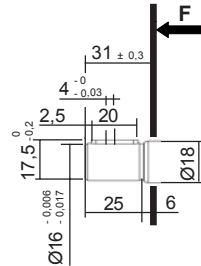
Straight keyed
20

A01



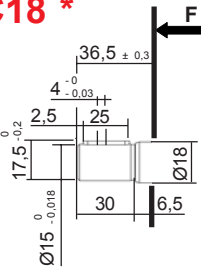
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

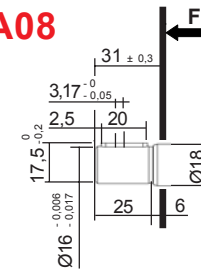
C18 *



Maxi transmissible torque
40 N.m

*** ONLY 2006 to 2012**

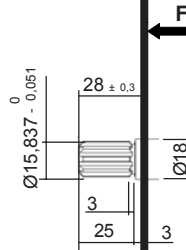
A08



Maxi transmissible torque
50 N.m

Splined
30

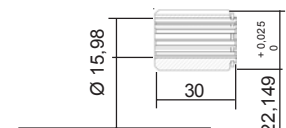
A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque
100 N.m

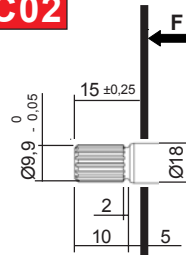
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

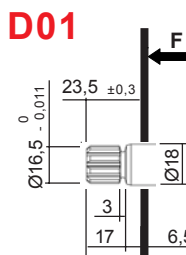
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01

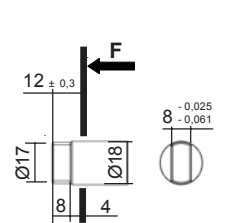


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

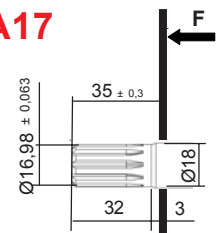
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

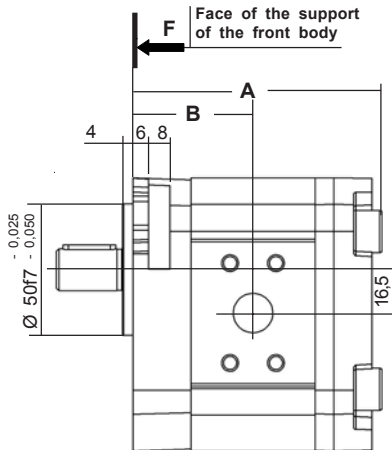
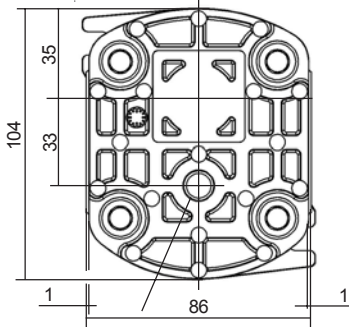
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1439 5/5

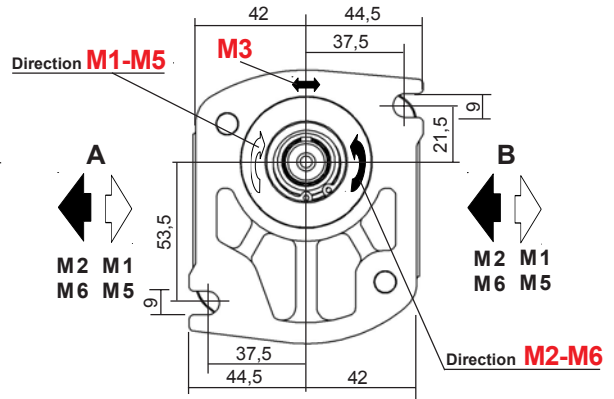
Consult us for availability

M II Sign CEN 2 VI Sign HL IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R 0243



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Seals kits:

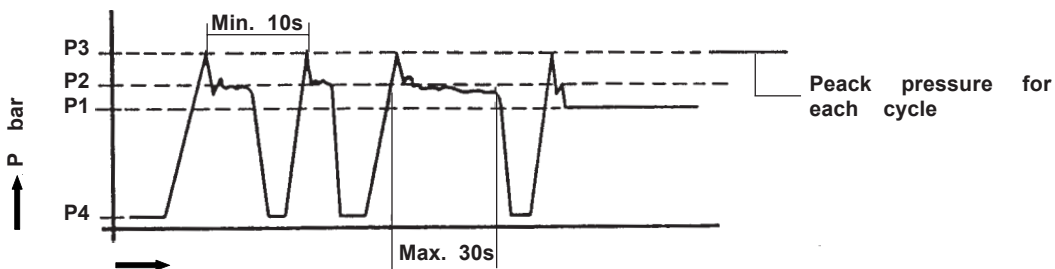
M1 - M2
Nitrile: K5069810 Viton: K5069820
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5071067 Viton: K5071068
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	150 bar	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	150 bar	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	150 bar	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	150 bar	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

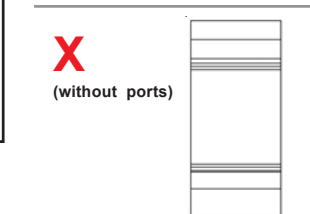
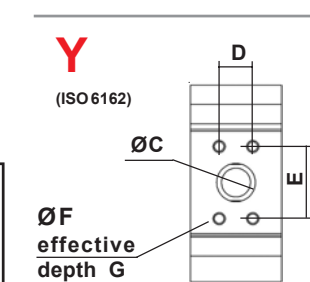
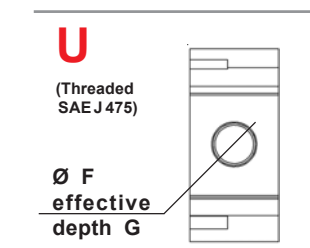
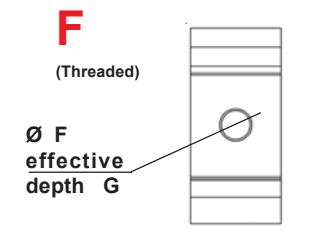
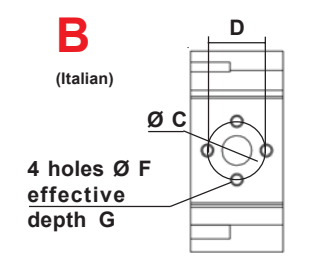
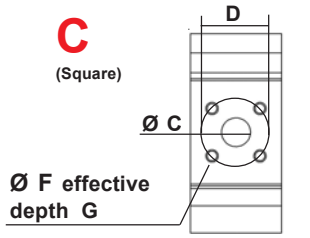
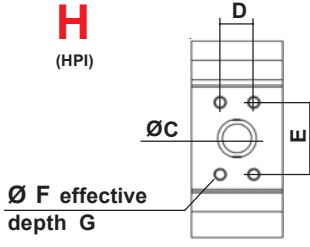


Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure				2 ways rotation with counter pressure											
		M1		M2		M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE						
		1 way rotation with counter pressure															
		M5		M6													
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



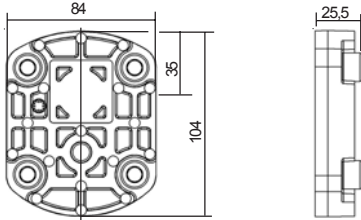
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1440 2/5

REAR BODIES for MOTORS M1 - M2

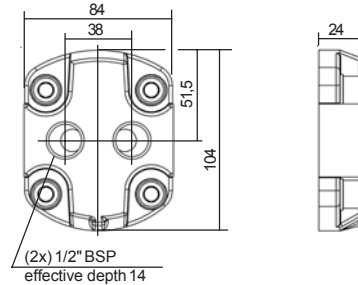
L

Standard



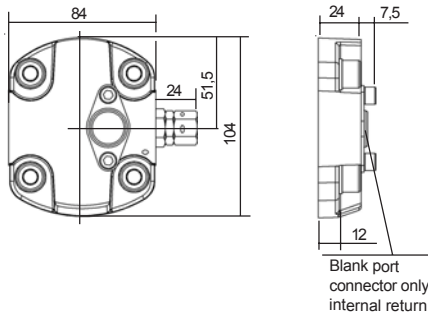
A

with ports



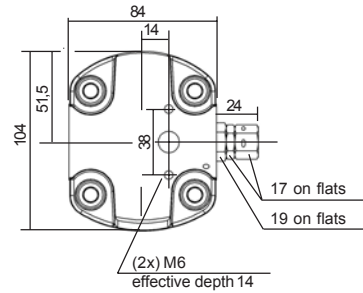
X

High pressure relief valve (Adjustable) Internal return



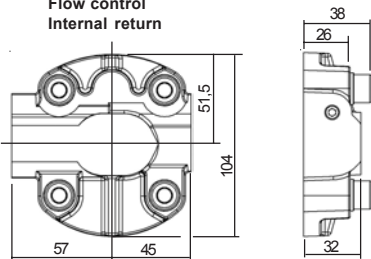
T

High pressure relief valve (Adjustable) External return



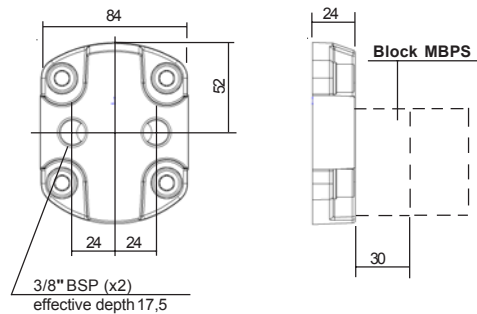
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1440 3/5

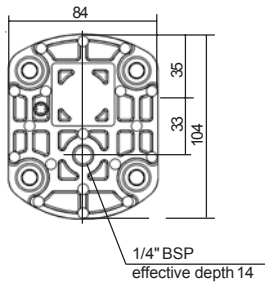


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

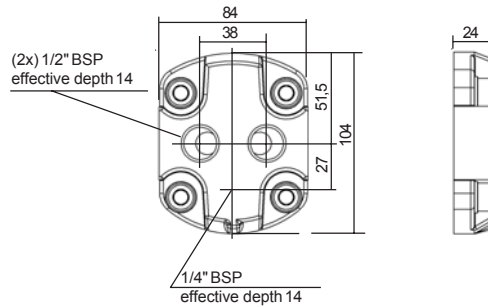
L

Standard



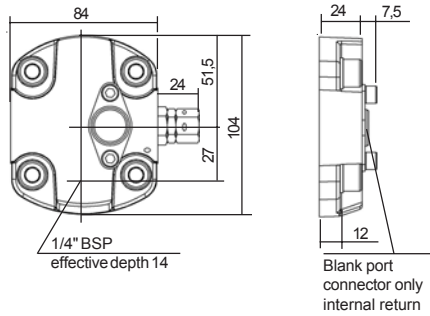
A

with ports



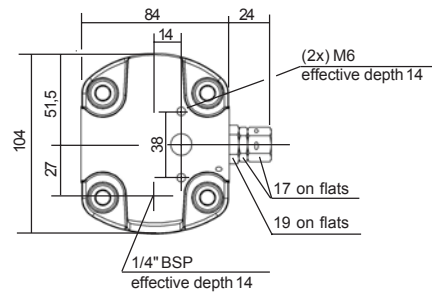
X

High pressure relief valve (Adjustable) Internal return



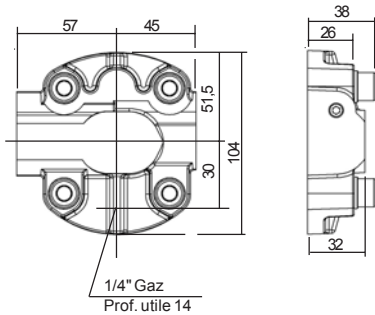
T

High pressure relief valve (Adjustable) External return



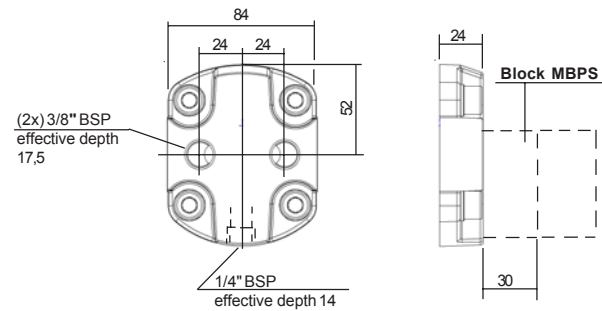
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1440 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



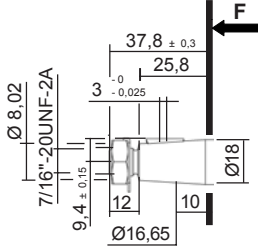
Consult us for availability

DRIVING SHAFTS

Tapered

10

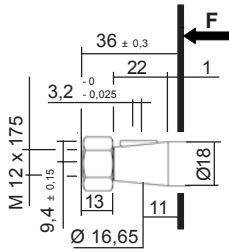
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5



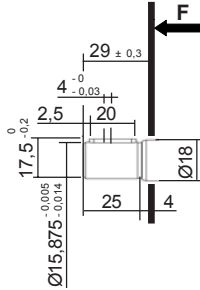
Delivered with nut: K106317

Maxi transmissible torque
220 N.m

Straight keyed

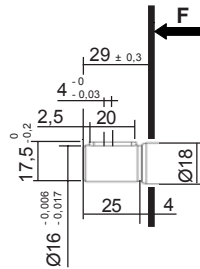
20

A01



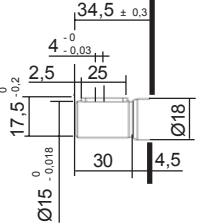
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

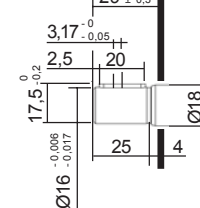
C18 *



Maxi transmissible torque
40 N.m

* ONLY 2006 to 2012

A08

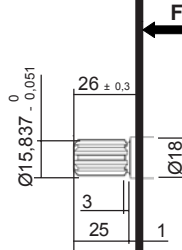


Maxi transmissible torque
50 N.m

Splined

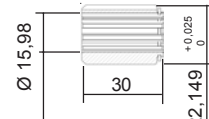
30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle
Maxi transmissible torque
100 N.m

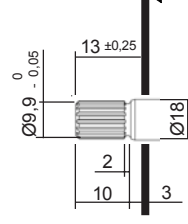
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

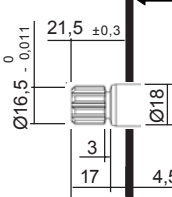
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01



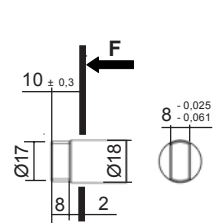
Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

Tang

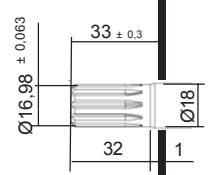
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

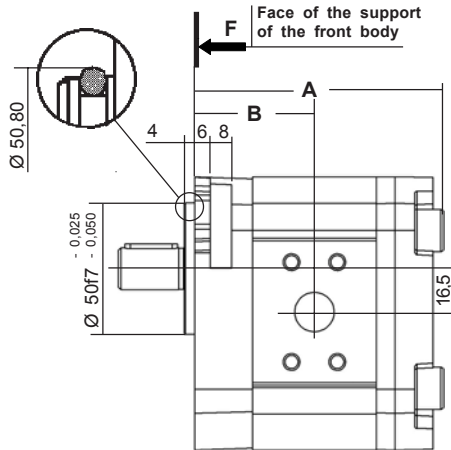
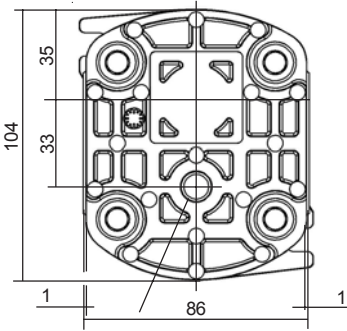
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1440 5/5

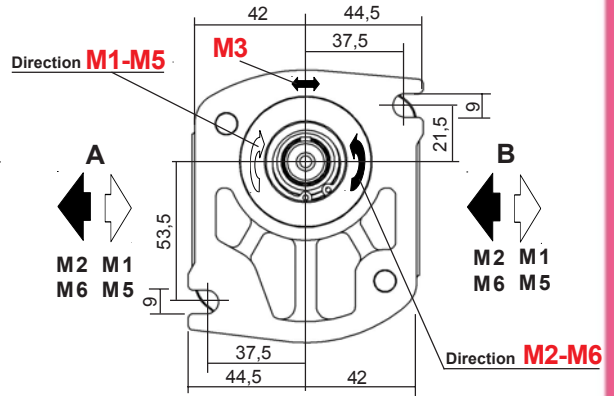
Consult us for availability

M II Sign **CEK 2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	94,5	45,5
014 - 015 - 017 018 - 022	109	53
026 - 030	125	61

Seals kits:

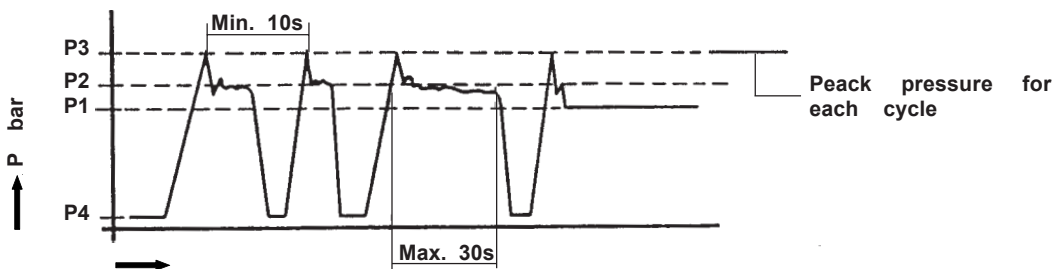
M1 - M2
Nitrile: **K5069810 + K102238**
Viton: **K5069820**
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: **K5071067 + K102238**
Viton: **K5071068**
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	1500	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	1500	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	1500	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	1500	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure					2 ways rotation with counter pressure										
		M1		M2			M5		M6			M3					
		ENTREE	SORTIE	ENTREE	SORTIE		ENTREE	OUTLET	ENTREE	OUTLET		ENTREE	OUTLET				
		1 way rotation with counter pressure															
		M5		M6			M5		M6			M3					
		INLET	OUTLET	INLET	OUTLET		INLET	OUTLET	INLET	OUTLET		INLET	OUTLET				
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



Consult us for availability

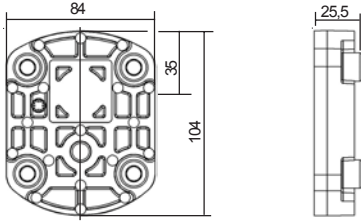
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1441 2/5

REAR BODIES for MOTORS M1 - M2

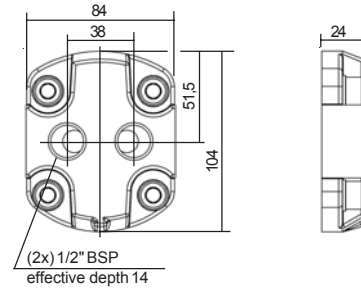
L

Standard



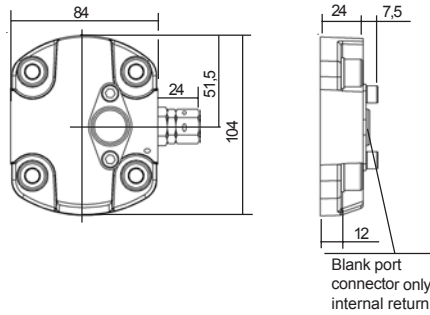
A

with ports



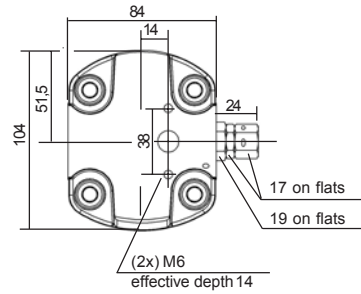
X

High pressure relief valve (Adjustable) Internal return



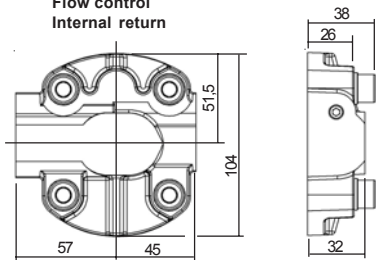
T

High pressure relief valve (Adjustable) External return



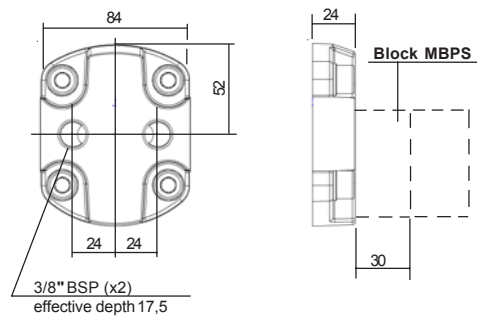
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1441 3/5

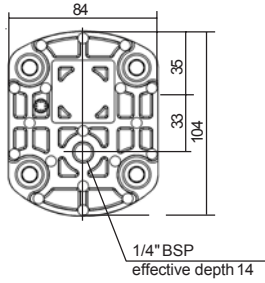


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

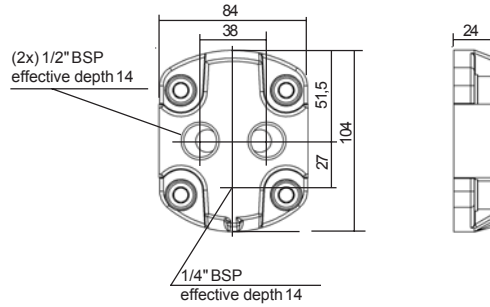
L

Standard



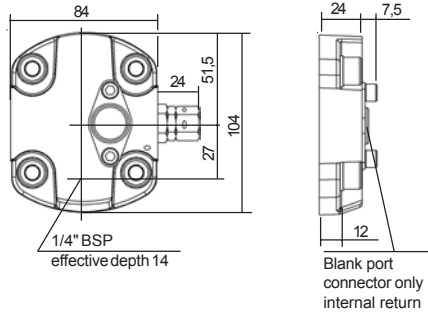
A

with ports



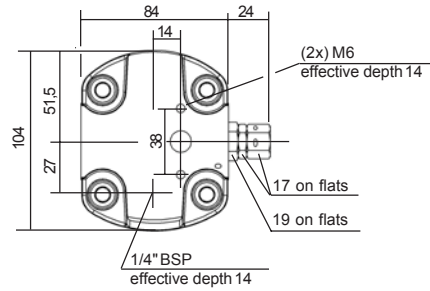
X

High pressure relief valve (Adjustable) Internal return



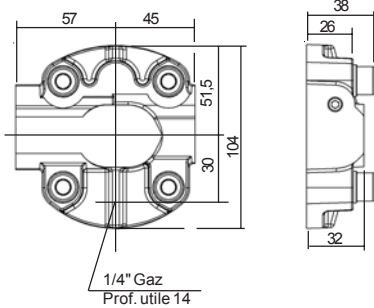
T

High pressure relief valve (Adjustable) External return



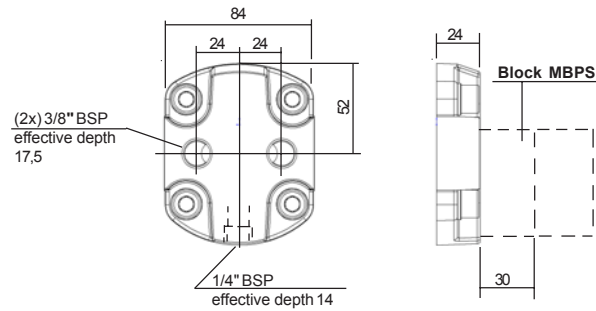
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1441 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



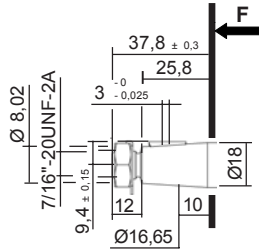
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

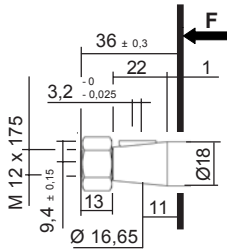


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

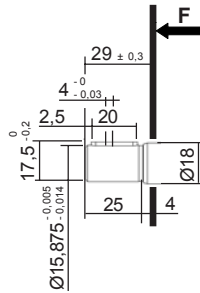
Maxi transmissible torque

220 N.m

Straight keyed

20

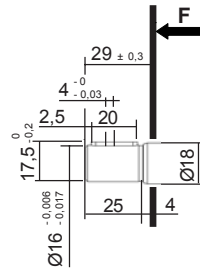
A01



Maxi transmissible torque

50 N.m

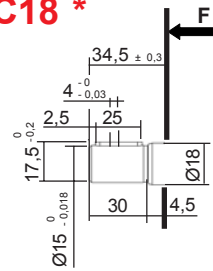
C02



Maxi transmissible torque

50 N.m

C18 *

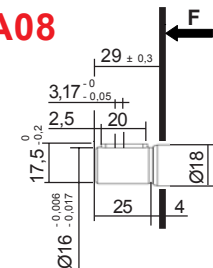


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



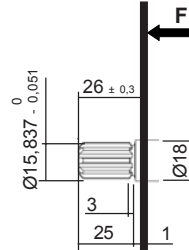
Maxi transmissible torque

50 N.m

Splined

30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

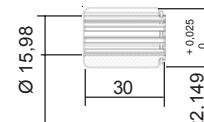
Maxi transmissible torque

100 N.m

Sleeve coupling 9 teeth / 13 teeth

Ref.: **K.5041310**

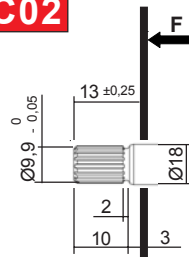
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

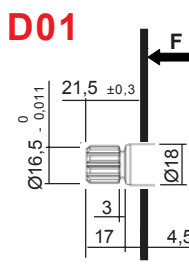


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

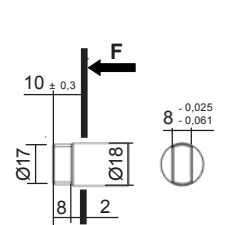
Maxi transmissible torque

100 N.m

Tang

40

C03



Maxi transmissible torque

70 N.m

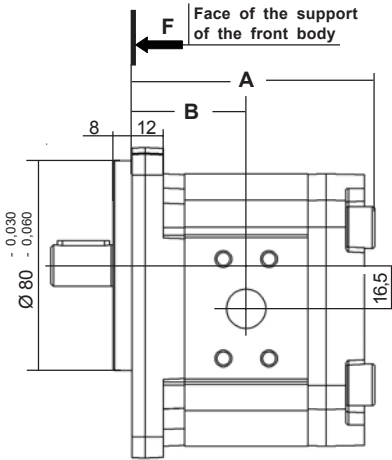
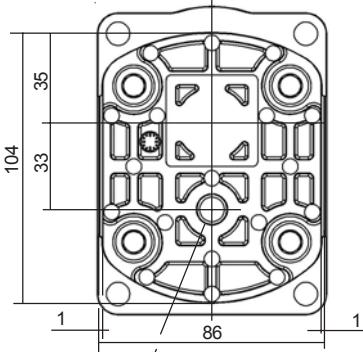
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1441 5/5

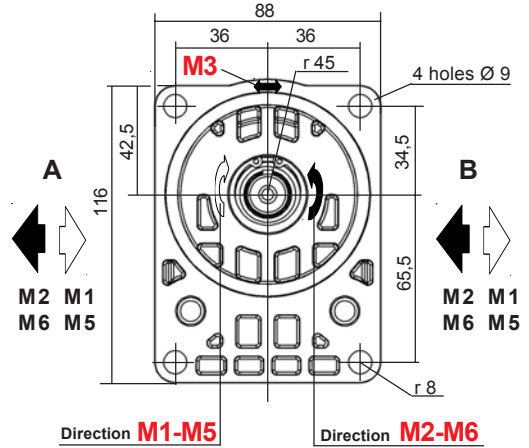
Consult us for availability



For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

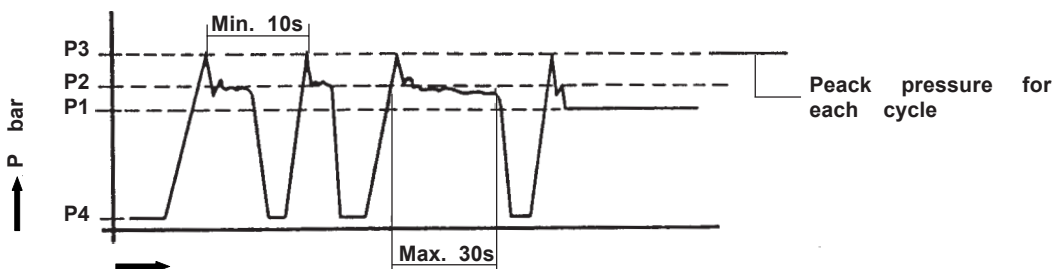
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Seals kits:
M1 - M2
Nitrile: **K5069810** Viton: **K5069820**
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: **K5071067** Viton: **K5071068**
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

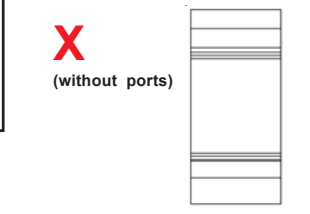
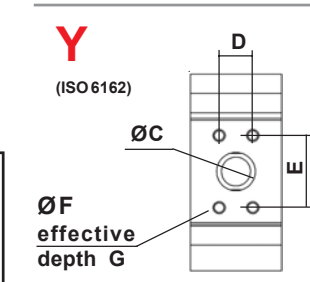
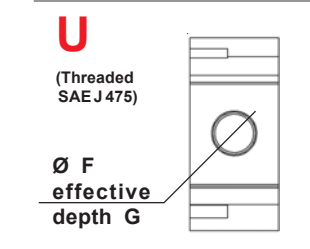
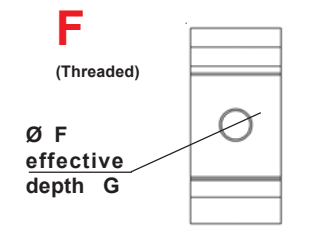
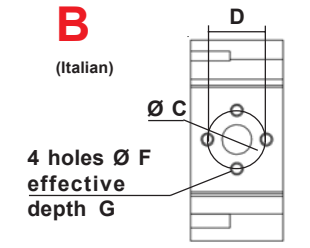
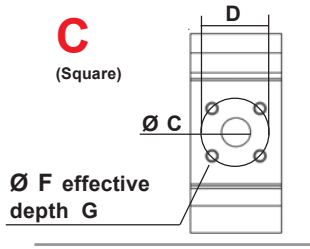
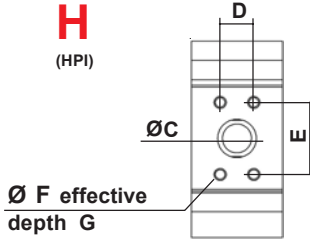


Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION									
		1 way rotation without counter pressure				2 ways rotation with counter pressure					
		M1		M2		M5		M6		M3	
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE
		1 way rotation with counter pressure									
		M5		M6							
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
H (HPI)	2006 to 2012	A	B	B	A	B	A	B	A	B	A
	2014 to 2030 2512 to 2522	A	B	B	A	B	A	B	A	B	A
C (Square)	2006 to 2030	A	B	B	A	B	A	B	A	B	A
	2512 to 2522	A	B	B	A	B	A	B	A	B	A
B (Italian)	2006 to 2012	A	B	B	A	B	A	B	A	B	A
	2014 to 2030 2512 to 2522	A	B	B	A	B	A	B	A	B	A
F (Threaded)	2006 to 2012	A	B	B	A	B	A	B	A	B	A
	2014 to 2022 2512	A	B	B	A	B	A	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012	A	B	B	A	B	A	B	A	B	A
	2014 to 2022 2512	A	B	B	A	B	A	B	A	B	A
	2026-2030 2515 to 2522	A	B	B	A	B	A	B	A	B	A
Y (ISO 6162)	2006 to 2012	A	B	B	A	B	A	B	A	B	A
	2014 to 2022 2512	A	B	B	A	B	A	B	A	B	A
	2026-2030 2515 to 2522	A	B	B	A	B	A	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A									



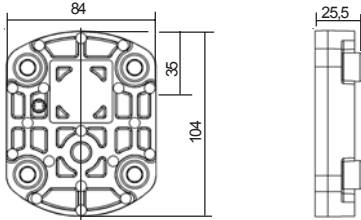
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1442 2/5

REAR BODIES for MOTORS M1 - M2

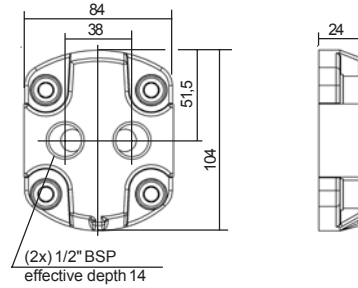
L

Standard



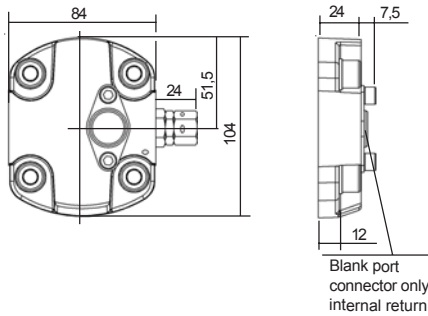
A

with ports



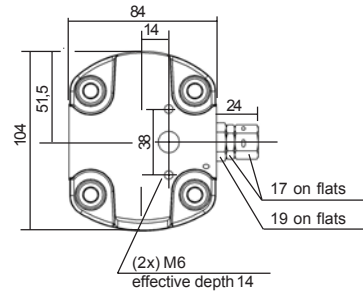
X

High pressure relief valve
(Adjustable) Internal return



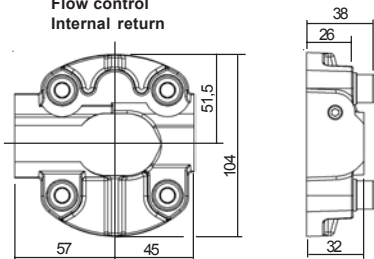
T

High pressure relief valve
(Adjustable) External return



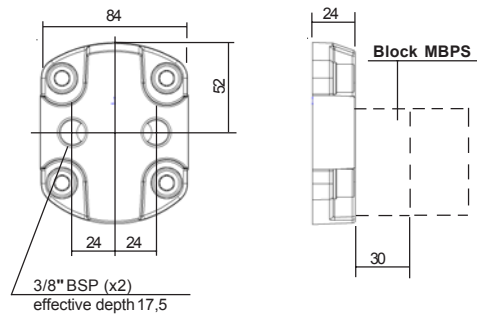
Q

Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1442 3/5

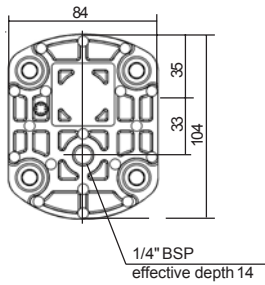


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

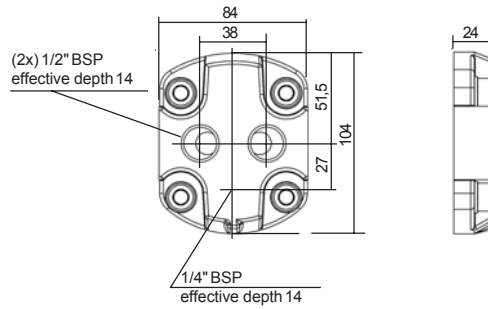
L

Standard



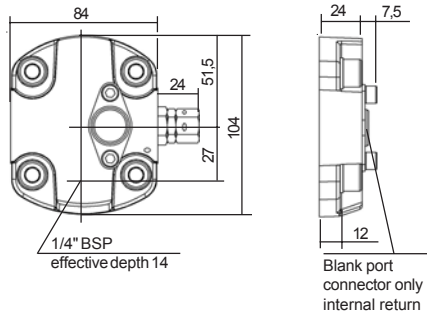
A

with ports



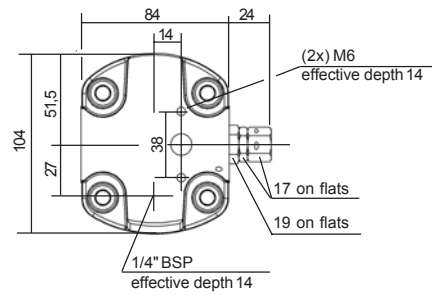
X

High pressure relief valve (Adjustable) Internal return



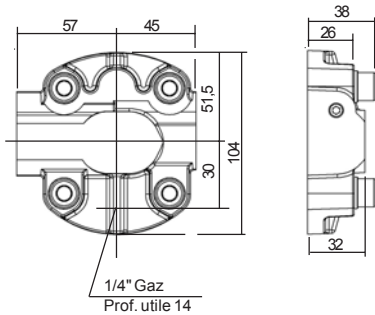
T

High pressure relief valve (Adjustable) External return



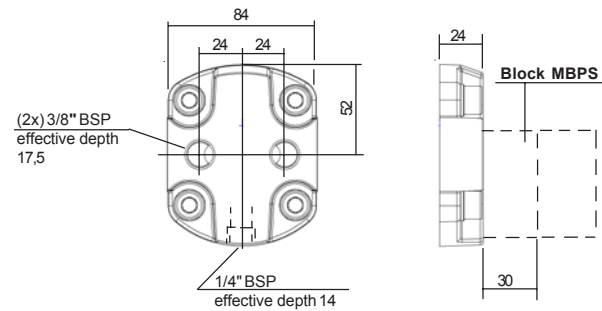
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1442 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

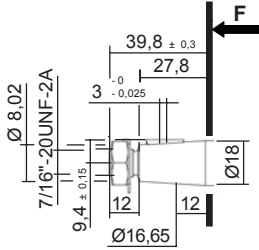


Consult us for availability

DRIVING SHAFT

Tapered
10

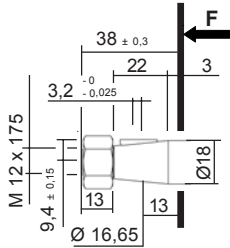
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

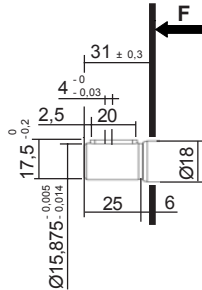


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

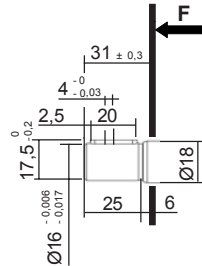
Straight keyed
20

A01



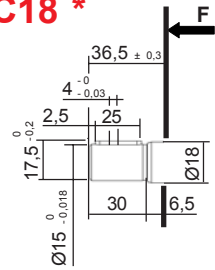
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

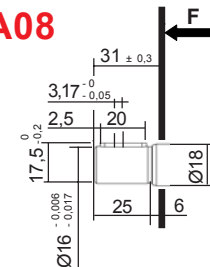
C18 *



Maxi transmissible torque
40 N.m

*** ONLY 2006 to 2012**

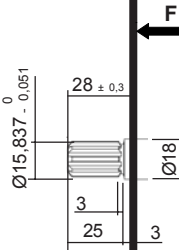
A08



Maxi transmissible torque
50 N.m

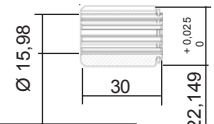
Splined
30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle
Maxi transmissible torque
100 N.m

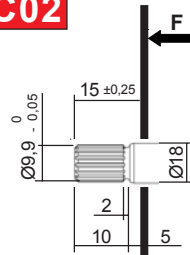
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

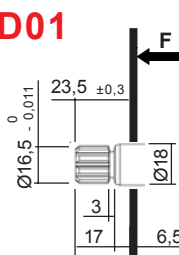
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01

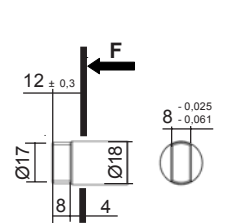


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

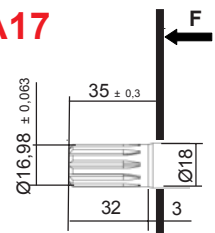
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

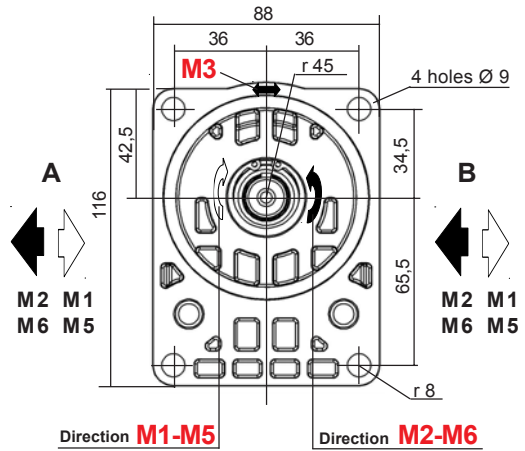
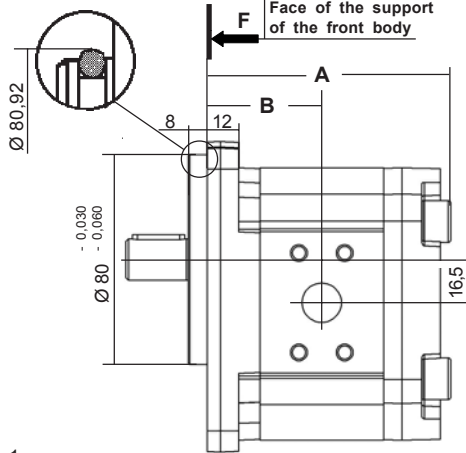
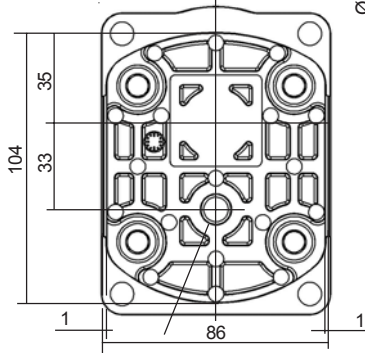
F.T 20 1442 5/5

Consult us for availability

M II DB K 2 VI HL IX X XI XII
Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet F.T.R 0243

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

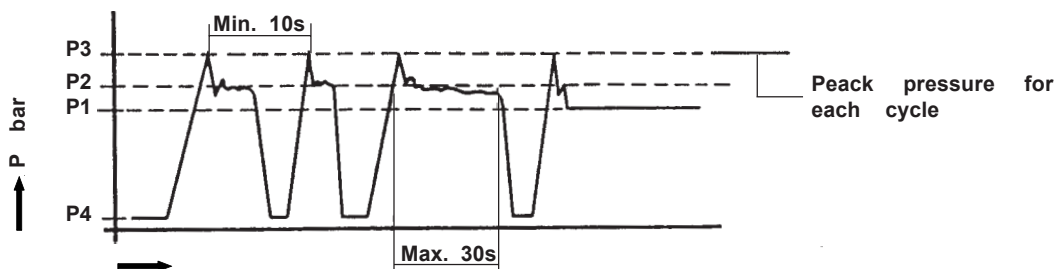
CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	92,5	43,5
014 - 015 - 017 018 - 022	107	51
026 - 030	123	59

Seals kits:
M1 - M2
Nitrile: K5069810 + K101517
Viton: K5069820 + K104406
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: K5071067 + K101517
Viton: K5071068 + K104406
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



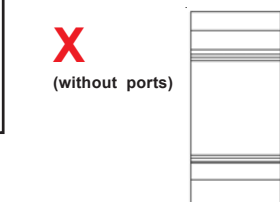
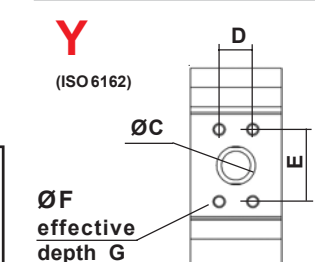
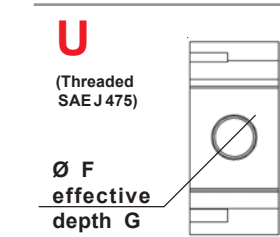
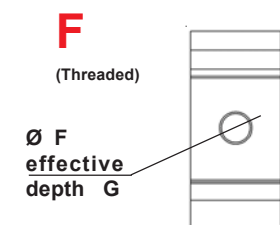
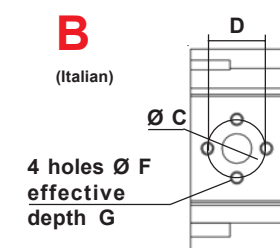
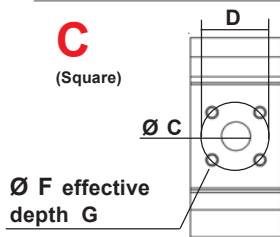
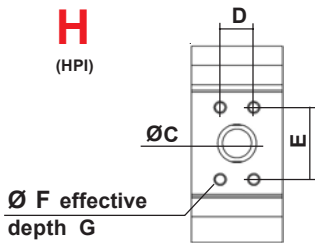
Consult us for availability

F.T 20 1443 1/5

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure				2 ways rotation with counter pressure											
		M1		M2		M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE						
		1 way rotation with counter pressure															
		M5		M6													
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



Dimensions readings and approximative characteristics subject to modifications.

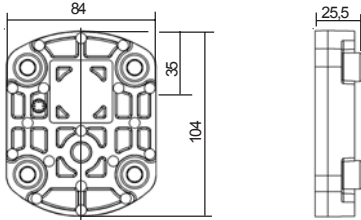
F.T 20 1443 2/5

Only with rear body Type A

REAR BODIES for MOTORS M1 - M2

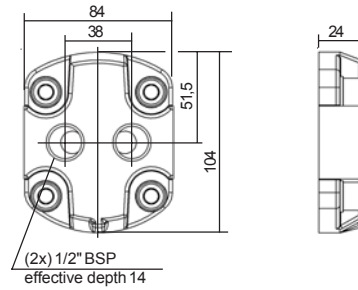
L

Standard



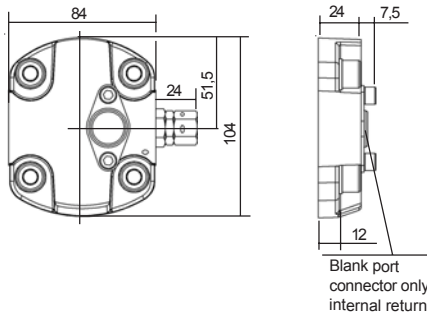
A

with ports



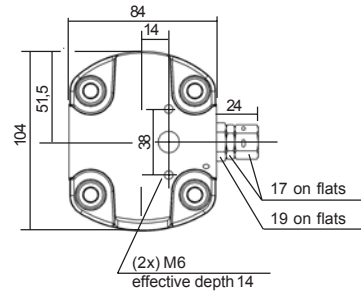
X

High pressure relief valve
(Adjustable) Internal return



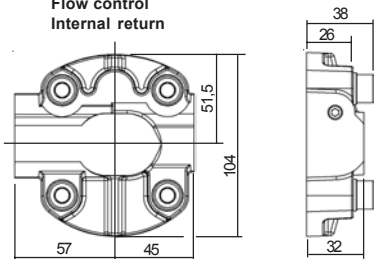
T

High pressure relief valve
(Adjustable) External return



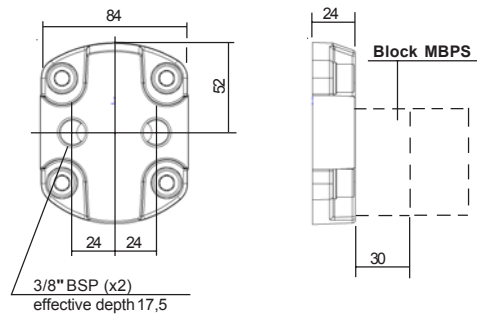
Q

Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1443 3/5

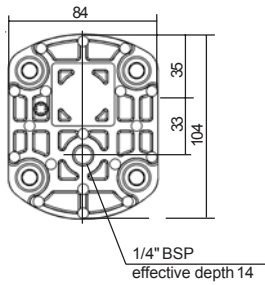


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

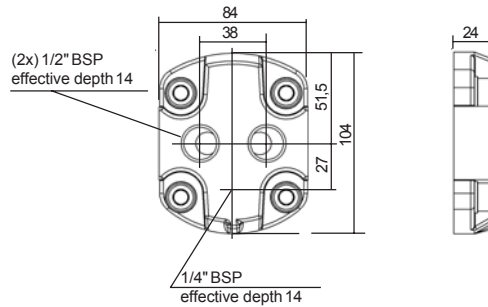
L

Standard



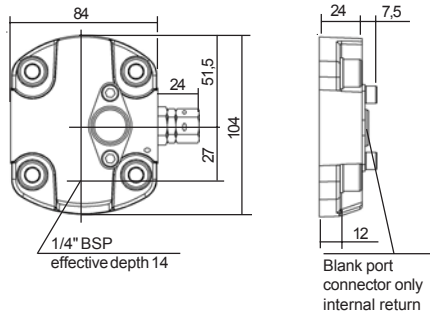
A

with ports



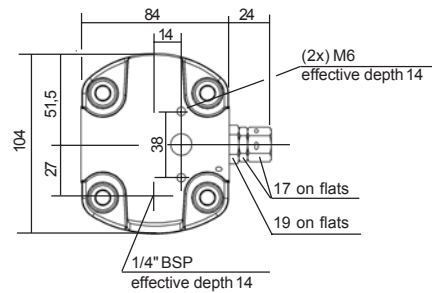
X

High pressure relief valve (Adjustable) Internal return



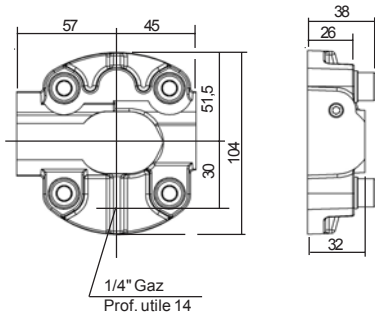
T

High pressure relief valve (Adjustable) External return



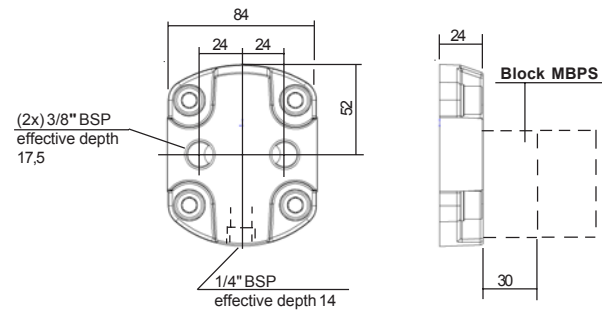
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1443 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

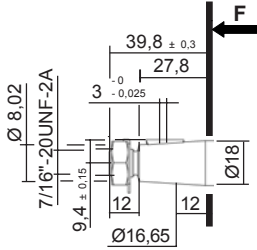


Consult us for availability

DRIVING SHAFT

Tapered
10

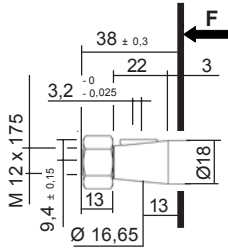
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

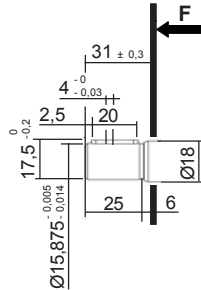


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

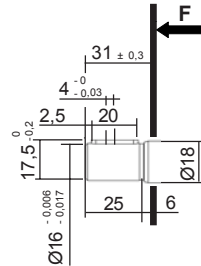
Straight keyed
20

A01



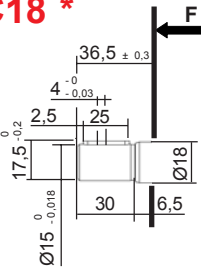
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

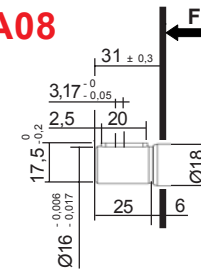
C18 *



Maxi transmissible torque
40 N.m

*** ONLY 2006 to 2012**

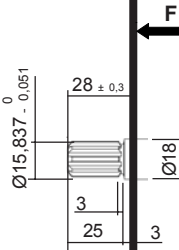
A08



Maxi transmissible torque
50 N.m

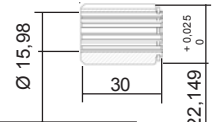
Splined
30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle
Maxi transmissible torque
100 N.m

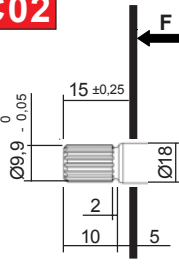
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft **30 A01**



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

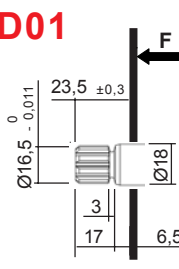
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01

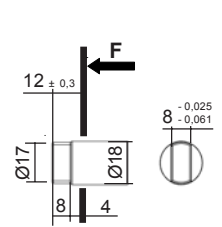


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

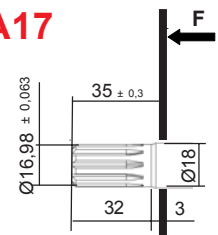
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

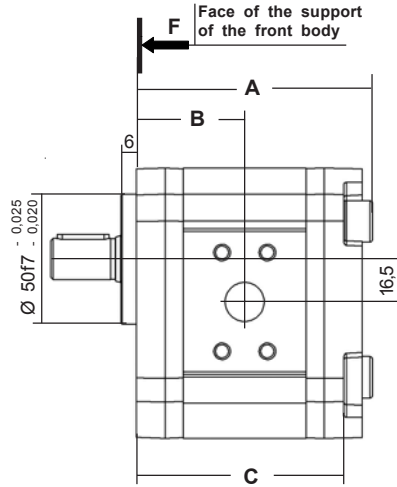
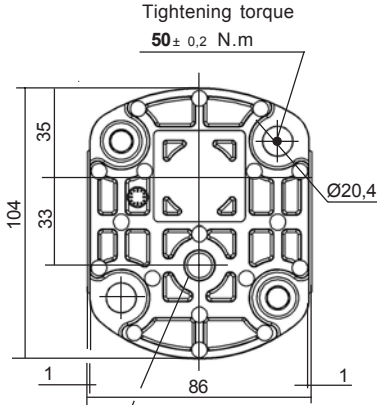
F.T 20 1443 5/5

Consult us for availability

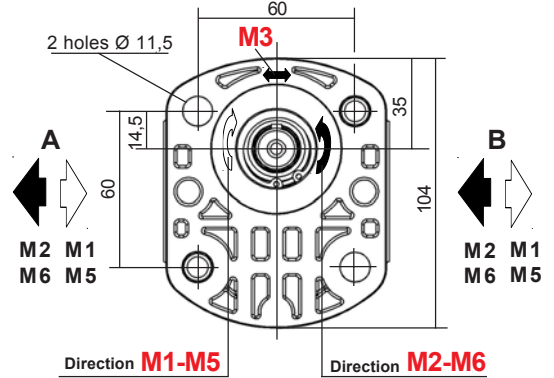


M II Sign **DCN** **2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



CHOICE of the Capacity	Dimensions		
	A	B	C
006 - 008 - 010 012	90,5	41,5	79,5
014 - 015 - 017 018 - 022	105	49	94
026 - 030	121	57	110

Seals kits:

M1 - M2
Nitrile: **K5069890**
Viton: **K5069820**
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: **K5073287**
Viton: **K5071068**
(For manufacturer to since february 1986)

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

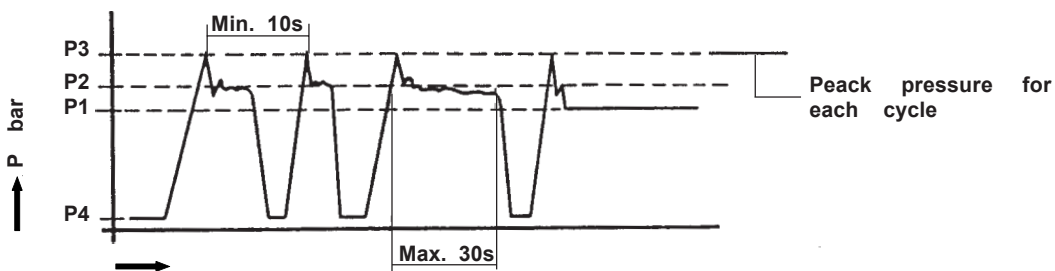
Max. tightening torque of the connexion
35 N.m

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION									
		1 way rotation without counter pressure				2 ways rotation with counter pressure					
		M1		M2		M5		M6		M3	
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE
		1 way rotation with counter pressure									
		M5		M6							
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET

Capacity	INLET					OUTLET				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15
2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12

2006 to 2030 2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
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2006 to 2012	15	30		M6	13	15	30		M6	13						
2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A

2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
2014 to 2022 2512				1/2" BSP	14				1" BSP	18						

2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20						
2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20						

2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14						
2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14						

2006 to 2030 2512 to 2522	Only with rear body Type A															
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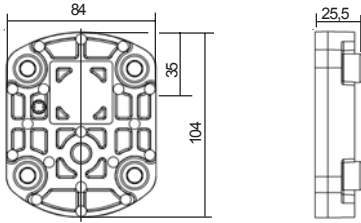
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1444 2/5

REAR BODIES for MOTORS M1 - M2

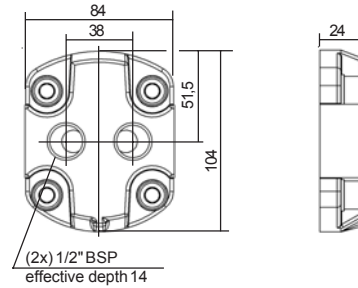
L

Standard



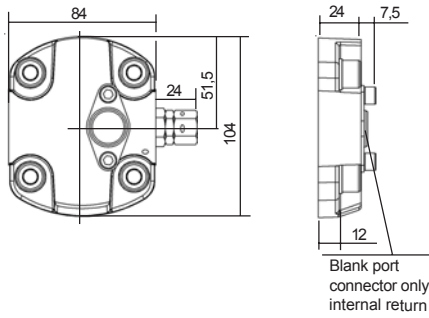
A

with ports



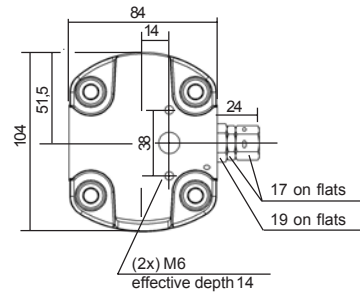
X

High pressure relief valve (Adjustable) Internal return



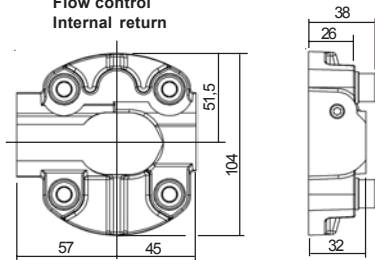
T

High pressure relief valve (Adjustable) External return



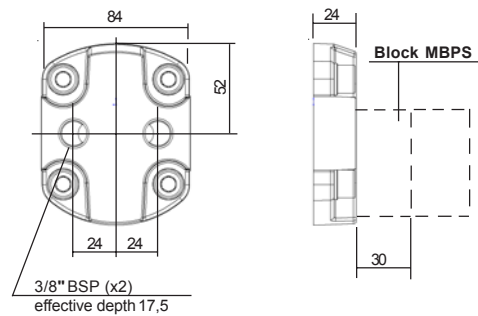
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1444 3/5

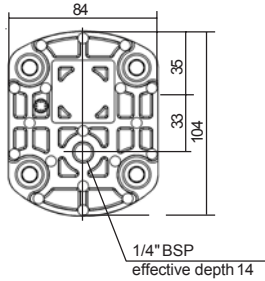


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

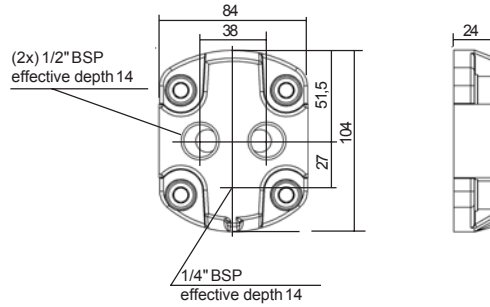
L

Standard



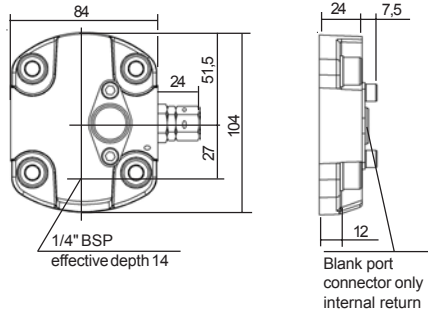
A

with ports



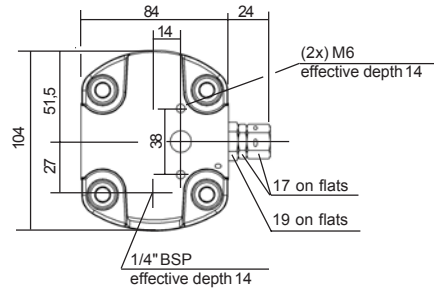
X

High pressure relief valve (Adjustable) Internal return



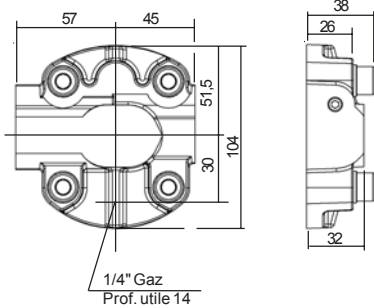
T

High pressure relief valve (Adjustable) External return



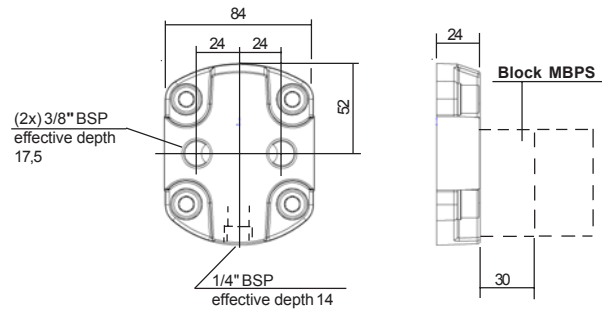
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

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Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



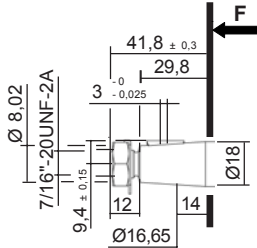
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

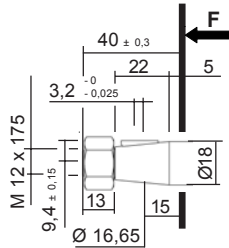


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

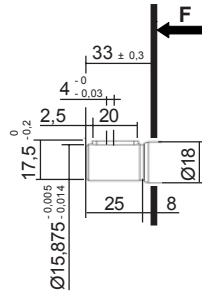
Maxi transmissible torque

220 N.m

Straight keyed

20

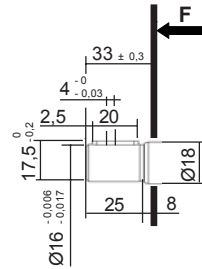
A01



Maxi transmissible torque

50 N.m

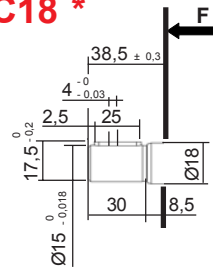
C02



Maxi transmissible torque

50 N.m

C18 *

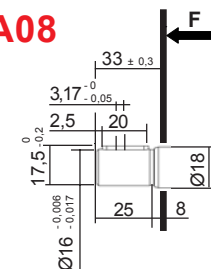


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



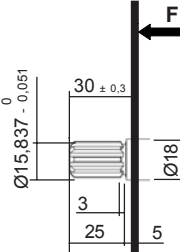
Maxi transmissible torque

50 N.m

Splined

30

A01

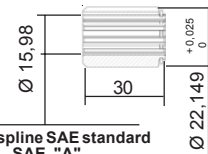


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

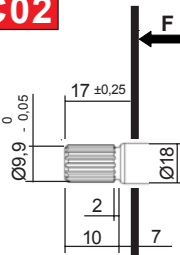
Sleeve coupling 9 teeth / 13 teeth
Ref.: **K.5041310**
Mounting with splinned shaft **30 A01**



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

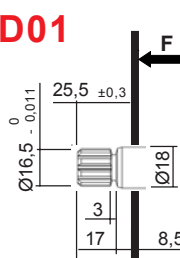


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

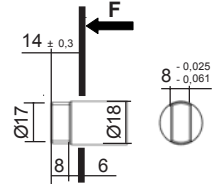
Maxi transmissible torque

100 N.m

Tang

40

C03



Maxi transmissible torque

70 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1444 5/5

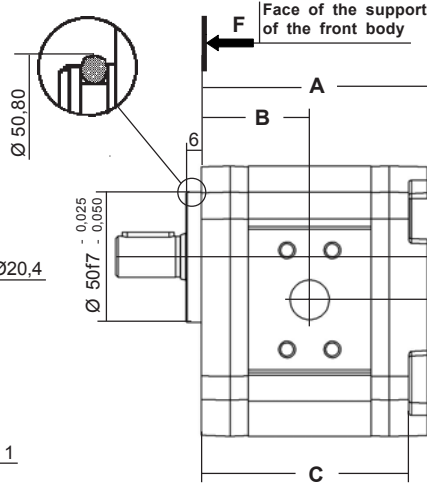
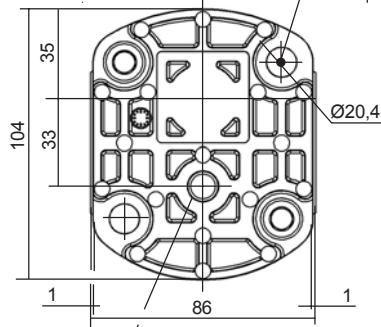
Consult us for availability



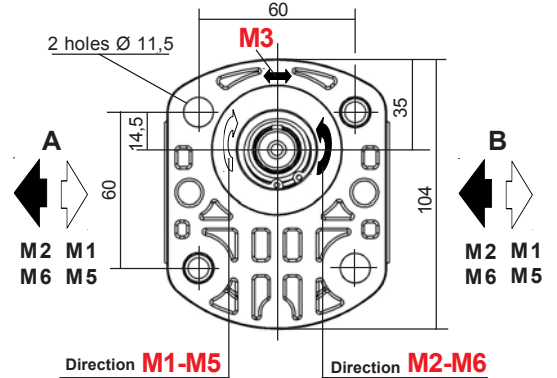
M II Sign **DC K 2** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

Tightening torque
50 ± 0,2 N.m



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions		
	A	B	C
006 - 008 - 010 012	90,5	41,5	79,5
014 - 015 - 017 018 - 022	105	49	94
026 - 030	121	57	110

Seals kits:

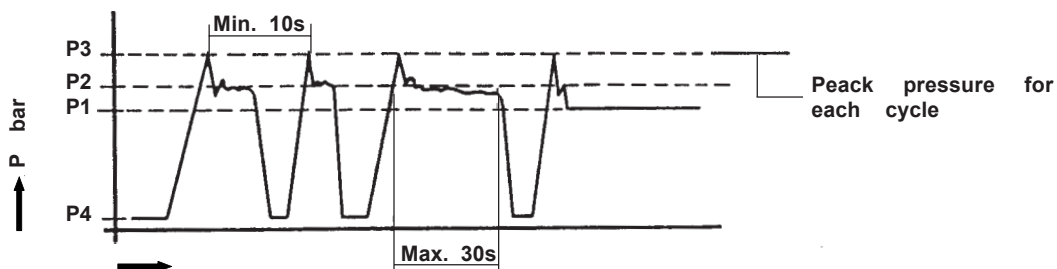
M1 - M2
Nitrile: K5069890 + K101513
Viton: K5069820 + K101326
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5073287 + K101513
Viton: K5071068 + K101326
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

												AFFECTATION					
		1 way rotation without counter pressure					1 way rotation with counter pressure					2 ways rotation with counter pressure					
		M1		M2			M5		M6			M3					
		ENTREE	SORTIE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	
		1 way rotation with counter pressure		1 way rotation with counter pressure			1 way rotation with counter pressure		1 way rotation with counter pressure			1 way rotation with counter pressure					
		M5		M6			M5		M6			M3					
		INLET	OUTLET	INLET	INLET	INLET	INLET	INLET	INLET	INLET	INLET	INLET	INLET	INLET	INLET	INLET	
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A										Consult us for availability					

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1445 2/5

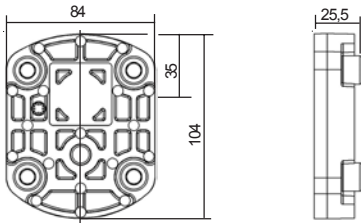


Consult us for availability

REAR BODIES for MOTORS M1 - M2

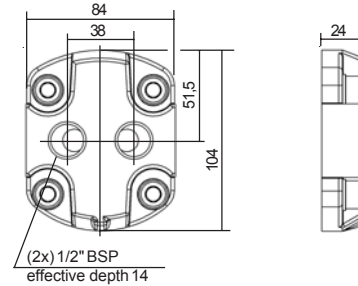
L

Standard



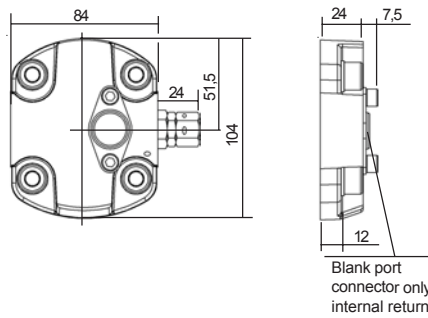
A

with ports



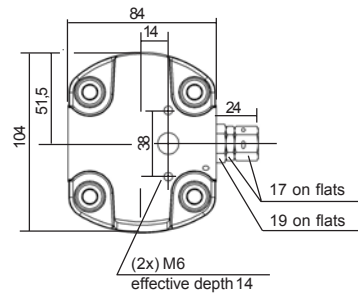
X

High pressure relief valve (Adjustable) Internal return



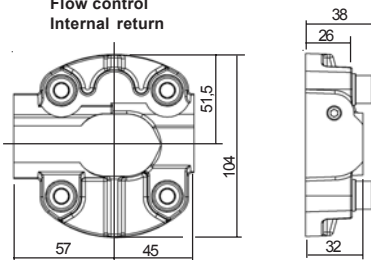
T

High pressure relief valve (Adjustable) External return



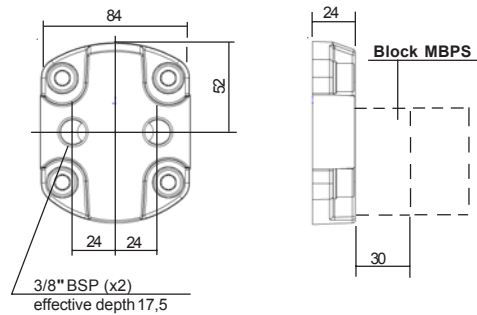
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1445 3/5

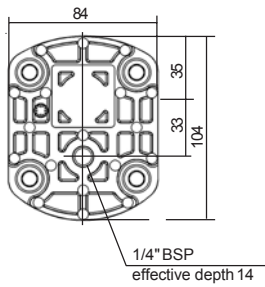


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

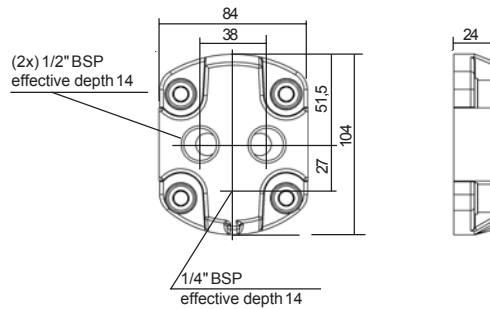
L

Standard



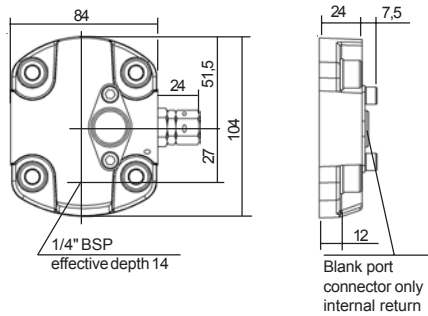
A

with ports



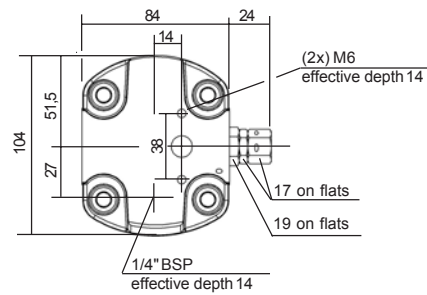
X

High pressure relief valve
(Adjustable) Internal return



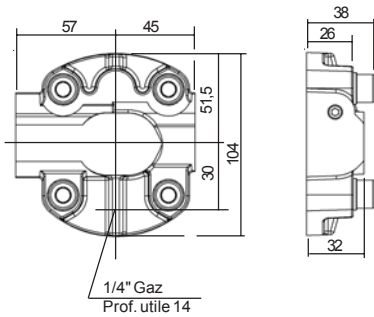
T

High pressure relief valve
(Adjustable) External return



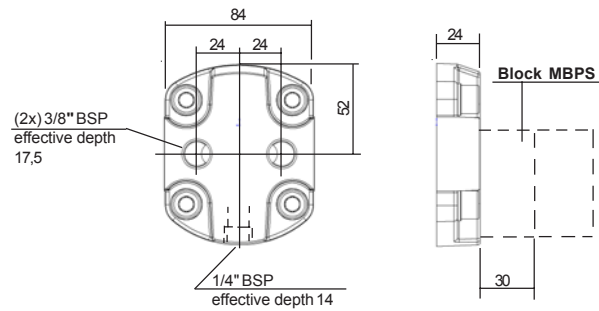
Q

Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1445 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



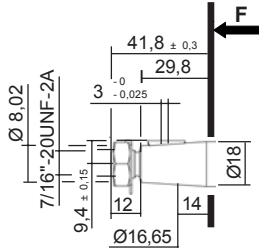
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

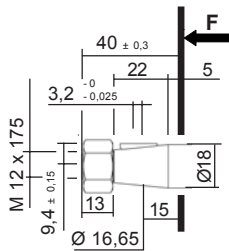


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

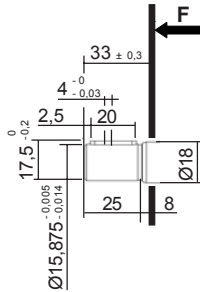
Maxi transmissible torque

220 N.m

Straight keyed

20

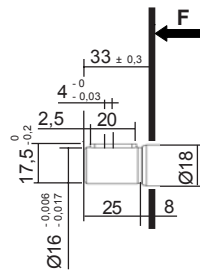
A01



Maxi transmissible torque

50 N.m

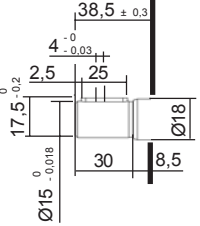
C02



Maxi transmissible torque

50 N.m

C18 *

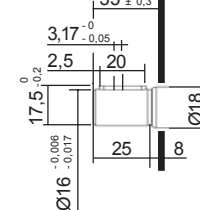


Maxi transmissible torque

40 N.m

*** ONLY 2006 to 2012**

A08



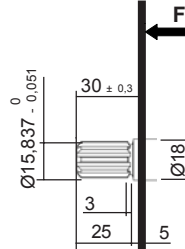
Maxi transmissible torque

50 N.m

Splined

30

A01

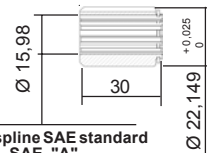


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

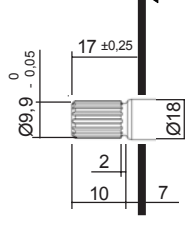
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

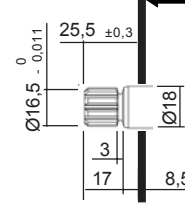


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

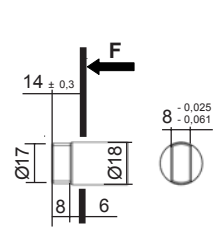
Maxi transmissible torque

100 N.m

Tang

40

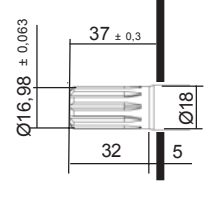
C03



Maxi transmissible torque

70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque

100 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1445 5/5

Consult us for availability

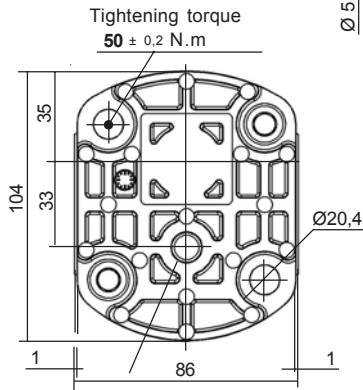


M II Sign **DUK 2** VI Sign **HL 40 D02** XII Sign

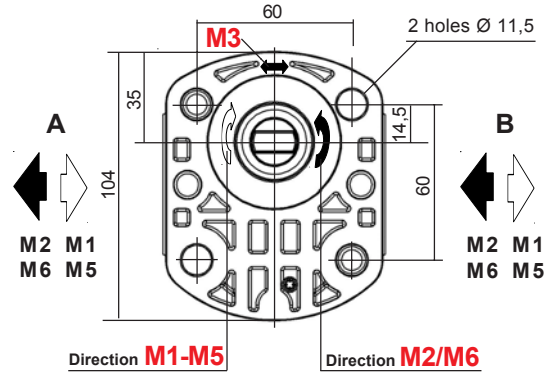
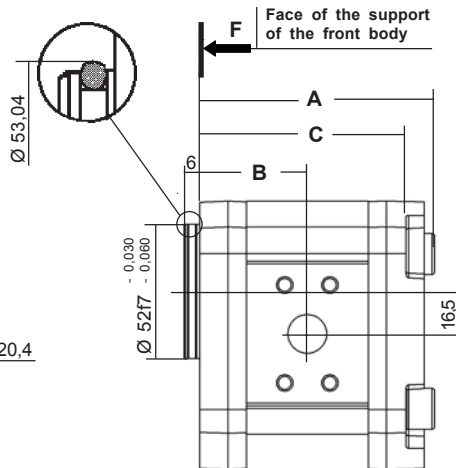
For CODIFICATION, see data sheet F.T R 0243

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

ATTENTION:
Mounting without tightness seal



Tightening torque
50 ± 0,2 N.m



CHOICE of the Capacity	Dimensions		
	A	B	C
006 - 008 - 010 012	90,5	41,5	79,5
014 - 015 - 017 018 - 022	105	49	94
026 - 030	121	57	110

Seals kits:
M1 - M2
Nitrile: K5069890 + K102539
Viton: K5069820 + K107013
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: K5073287 + K102539
Viton: K5071068 + K107013
(For manufacturer to since february 1986)

Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

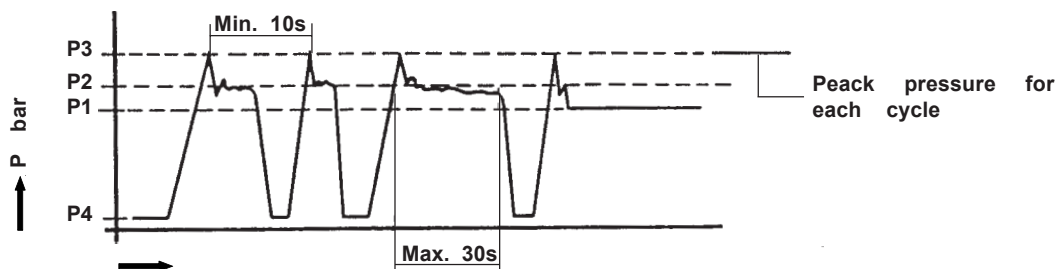
Max. tightening torque of the connexion
35 N.m

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	1500 ^{175 bar}	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	1500 ^{150 bar}	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	1500 ^{150 bar}	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	1500 ^{150 bar}	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty
P3 Max. Allowable peak pressure

P2 Maximum pressure in intermittent duty
P4 Pressure at Motor outlet ≤ P (Only in M3)

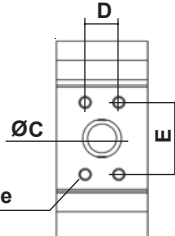
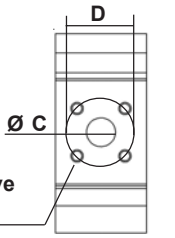
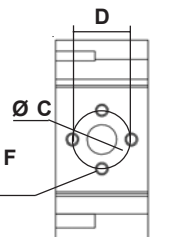
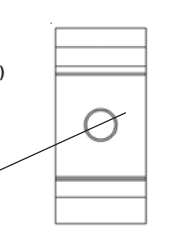
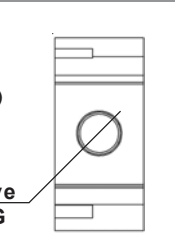
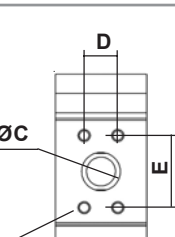



Consult us for availability

F.T 20 1446 1/5


CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

												AFFECTATION								
												1 way rotation without counter pressure		2 ways rotation with counter pressure						
												M1	M2							
												ENTREE	SORTIE	ENTREE	SORTIE					
												1 way rotation with counter pressure								
												M5	M6							
												INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	
H (HPI)		Capacity	INLET					OUTLET												
			ØC	D	E	ØF	G	ØC	D	E	ØF	G								
C (Square)		2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15								
		2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A		
B (Italian)		2006 to 2012	15	30		M6	13	15	30		M6	13								
		2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A		
F (Threaded)		2006 to 2012				3/8" BSP	12				3/4" BSP	16								
		2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A		
U (Threaded SAE J 475)		2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20								
		2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A		
		2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20								
Y (ISO 6162)		2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14								
		2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A		
		2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14								
X (without ports)		2006 to 2030 2512 to 2522	Only with rear body Type A																	

Dimensions readings and approximative characteristics subject to modifications.

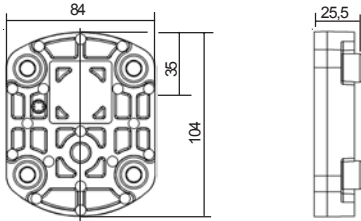
F.T 20 1446 2/5

 Consult us for availability

REAR BODIES for MOTORS M1 - M2

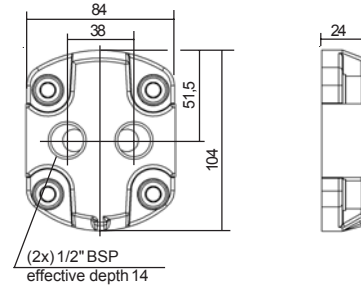
L

Standard



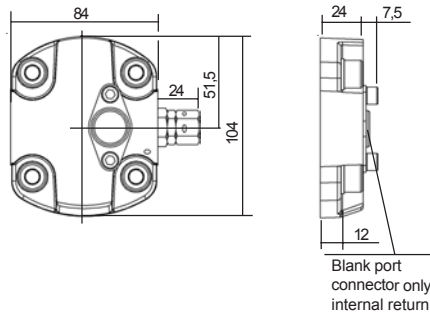
A

with ports



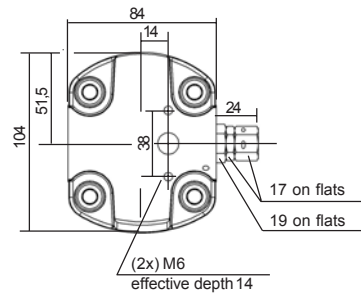
X

High pressure relief valve (Adjustable) Internal return



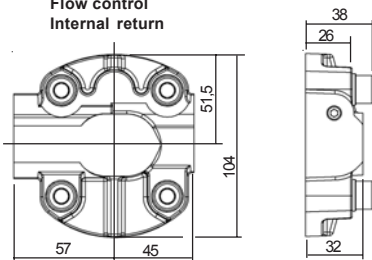
T

High pressure relief valve (Adjustable) External return



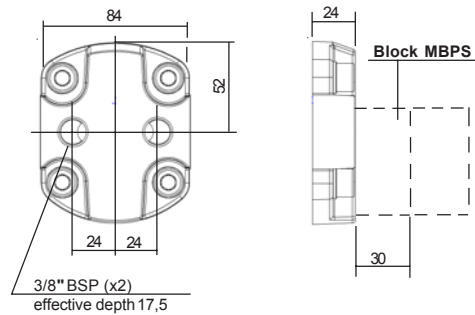
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1446 3/5

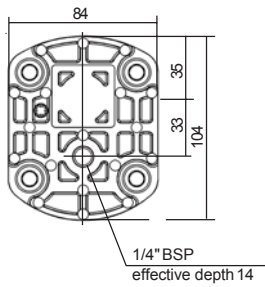


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

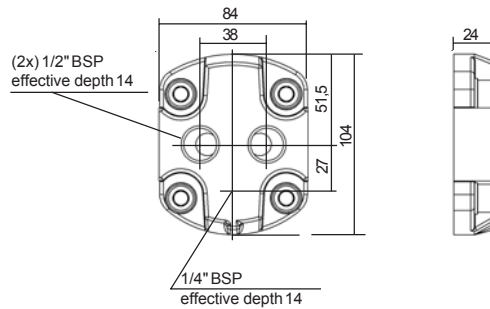
L

Standard



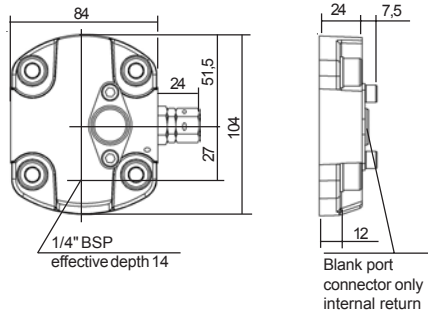
A

with ports



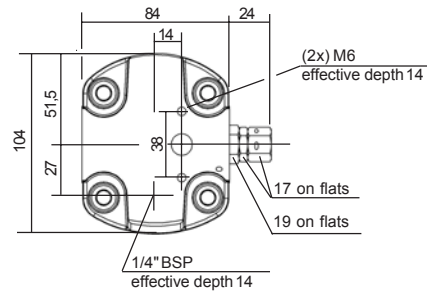
X

High pressure relief valve (Adjustable) Internal return



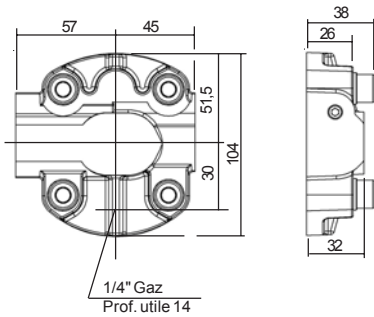
T

High pressure relief valve (Adjustable) External return



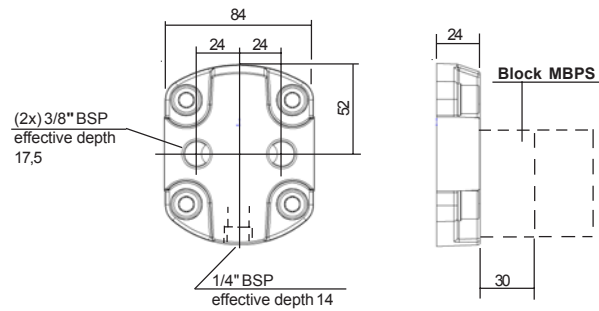
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1446 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



Consult us for availability

DRIVING SHAFT (DUK)

Tapered

10

Straight keyed

20

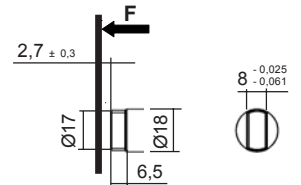
Splined

30

Tang

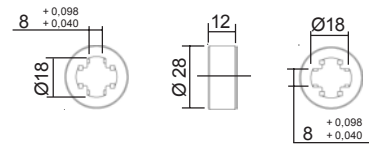
40

D02



Max tightening torque
70 N.m

Coupling on request: Ref. K102947



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1446 5/5

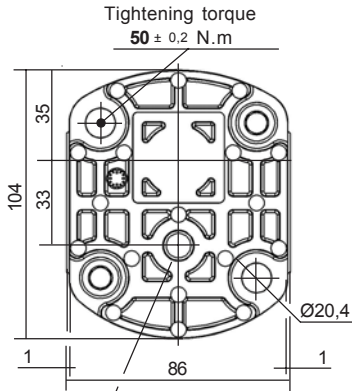


Consult us for availability

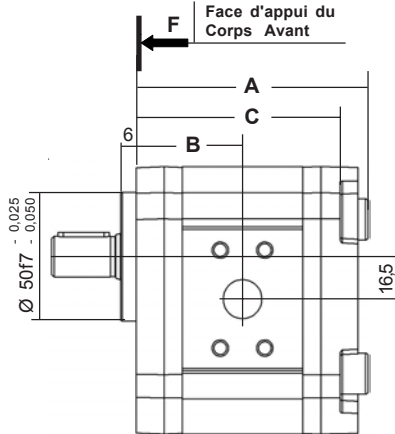


M II Sign **DW** **N** 2 VI Sign **H** **L** IX Sign X Sign XI Sign XII Sign

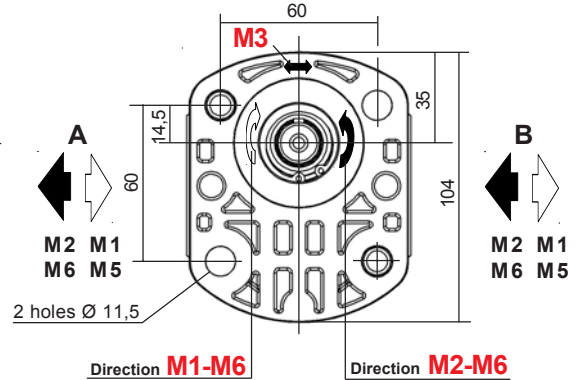
For CODIFICATION, see data sheet **F.T.R 0243**



Tightening torque
50 ± 0.2 N.m



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions		
	A	B	C
006 - 008 - 010 012	90,5	41,5	79,5
014 - 015 - 017 018 - 022	105	49	94
026 - 030	121	57	110

Seals kits:

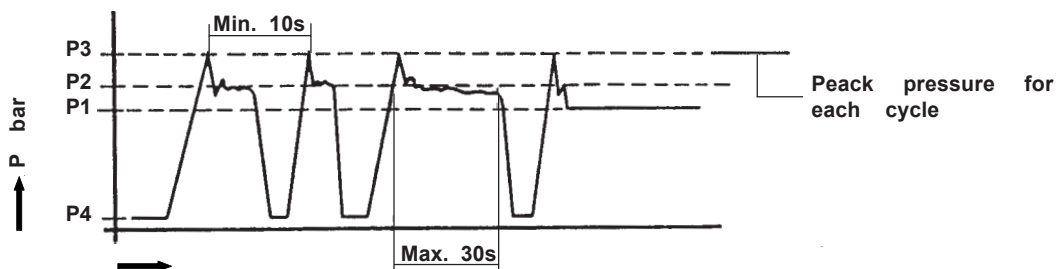
M1 - M2
Nitrile: K5069890 Viton: K5069820
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5073287 Viton: K5071068
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	1,6
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	1,7
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	1,7
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	2,1
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,2
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,3
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,7

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

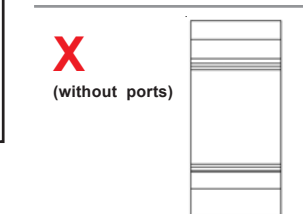
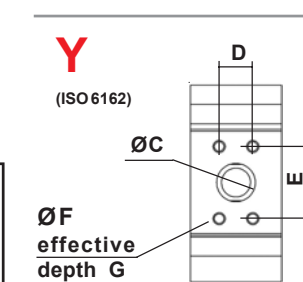
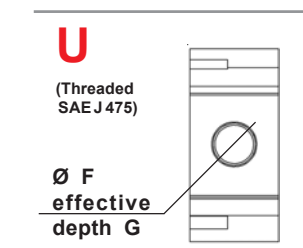
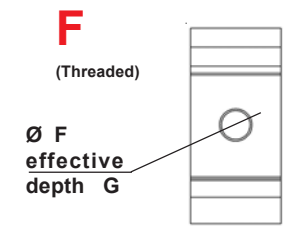
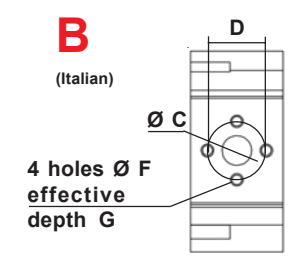
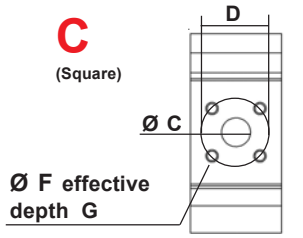
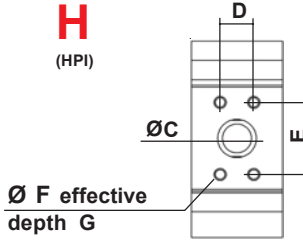


Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure				2 ways rotation with counter pressure											
		M1		M2		M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE						
		1 way rotation with counter pressure															
		M5		M6													
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



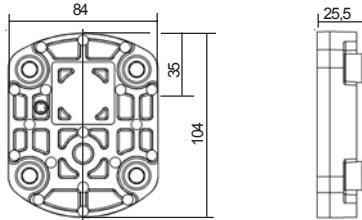
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1447 2/5

REAR BODIES for MOTORS M1 - M2

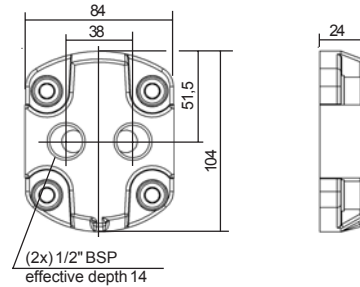
L

Standard



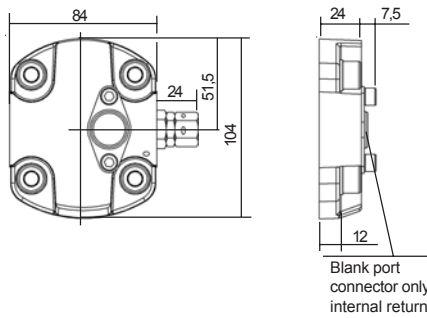
A

with ports



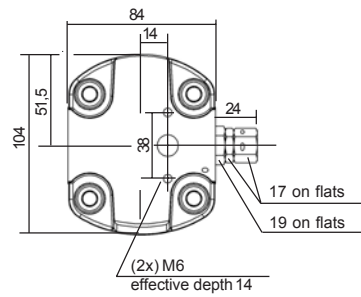
X

High pressure relief valve (Adjustable) Internal return



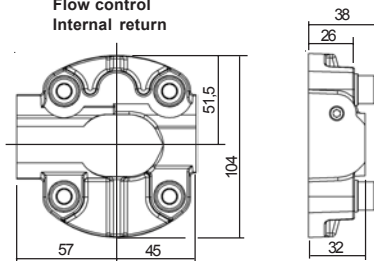
T

High pressure relief valve (Adjustable) External return



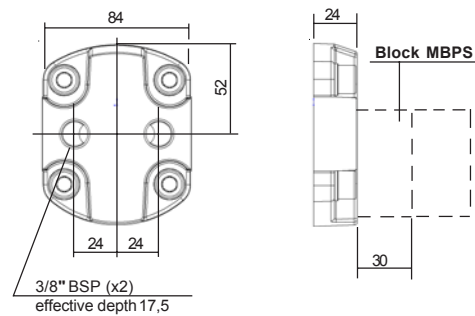
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1447 3/5

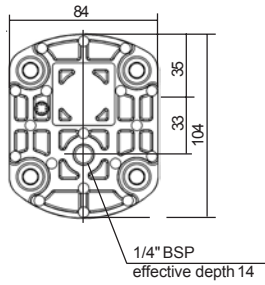


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

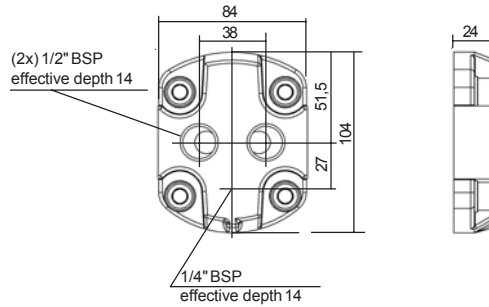
L

Standard



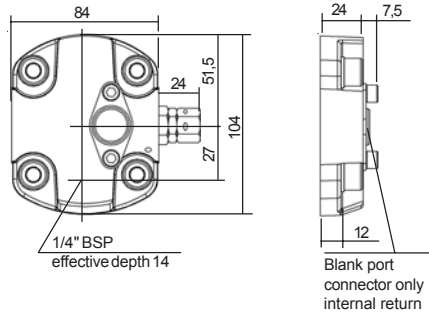
A

with ports



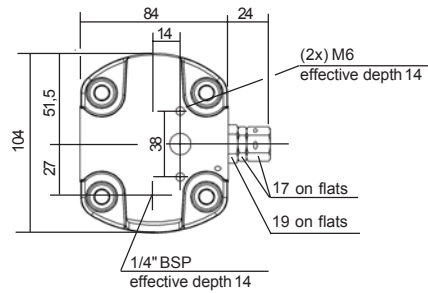
X

High pressure relief valve (Adjustable) Internal return



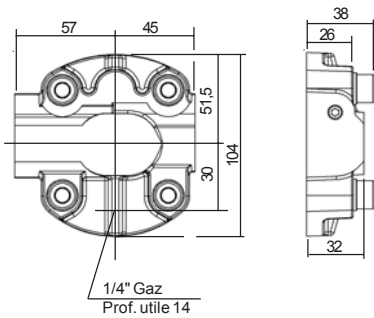
T

High pressure relief valve (Adjustable) External return



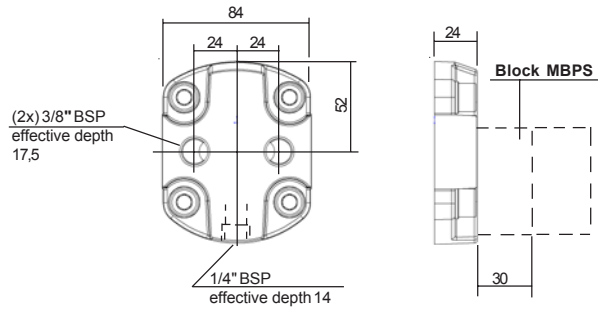
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1447 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



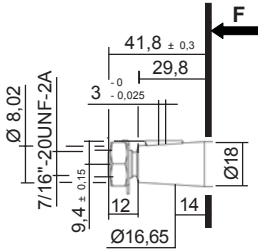
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1 / 8

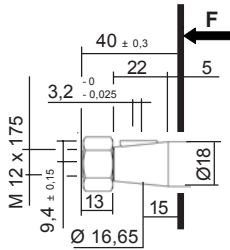


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1 / 5



Delivered with nut: K106317

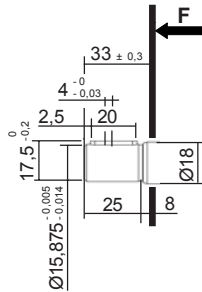
Maxi transmissible torque

220 N.m

Straight keyed

20

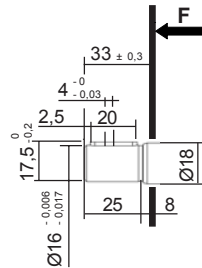
A01



Maxi transmissible torque

50 N.m

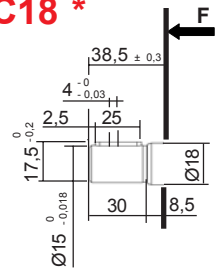
C02



Maxi transmissible torque

50 N.m

C18 *

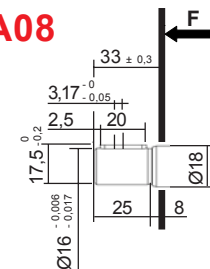


Maxi transmissible torque

40 N.m

* ONLY 2006 to 2012

A08



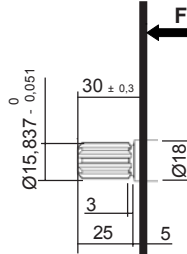
Maxi transmissible torque

50 N.m

Splined

30

A01

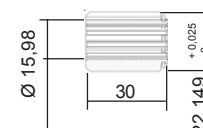


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

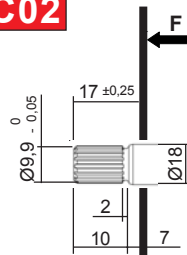
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

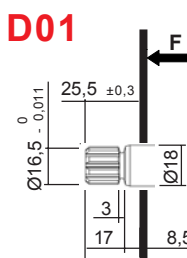


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

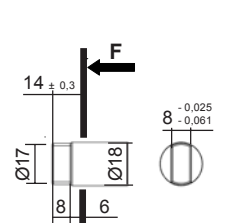
Maxi transmissible torque

100 N.m

Tang

40

C03



Maxi transmissible torque

70 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1447 5/5

Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure				2 ways rotation with counter pressure											
		M1		M2		M3		M5		M6		M3					
		ENTREE	SORTIE	ENTREE	SORTIE	1 way rotation with counter pressure											
		M5		M6													
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET				
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



Consult us for availability

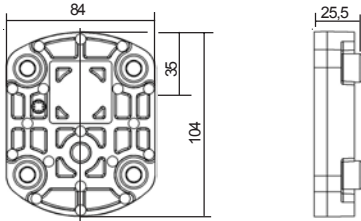
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1448 2/5

REAR BODIES for MOTORS M1 - M2

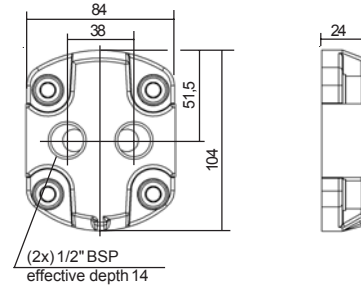
L

Standard



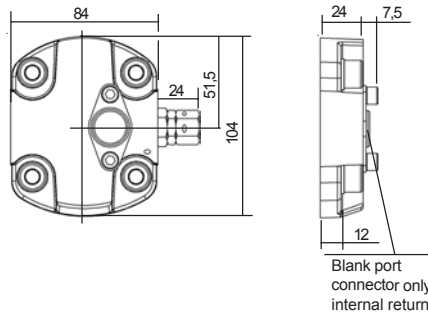
A

with ports



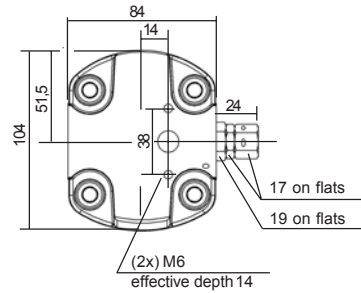
X

High pressure relief valve (Adjustable) Internal return



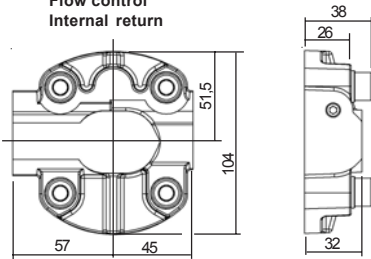
T

High pressure relief valve (Adjustable) External return



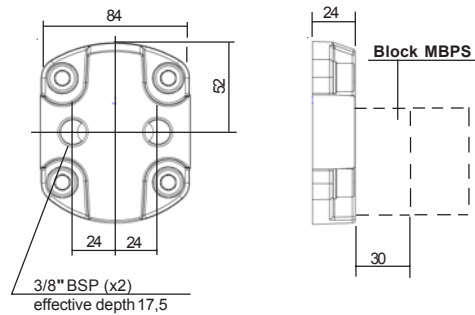
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

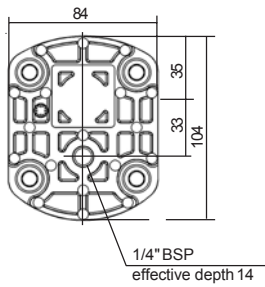
F.T 20 1448 3/5

Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

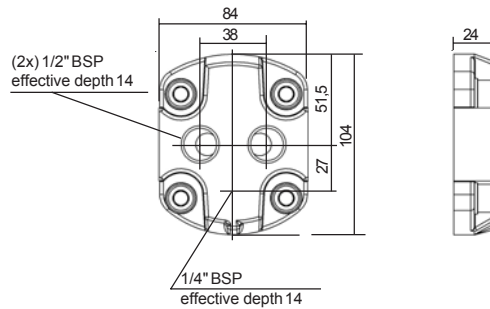
L

Standard



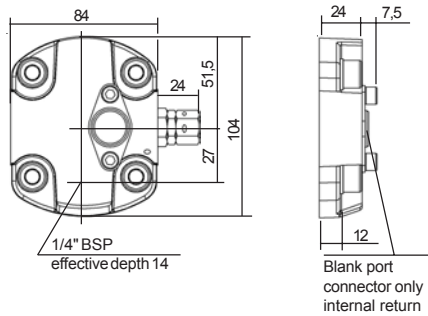
A

with ports



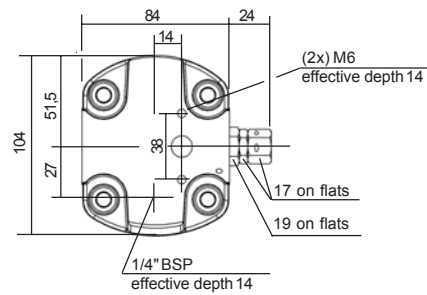
X

High pressure relief valve
(Adjustable) Internal return



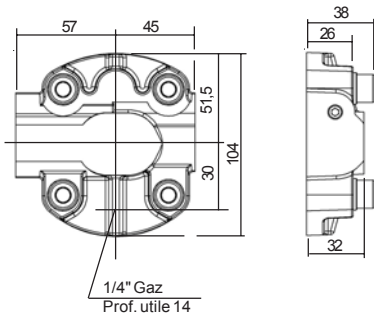
T

High pressure relief valve
(Adjustable) External return



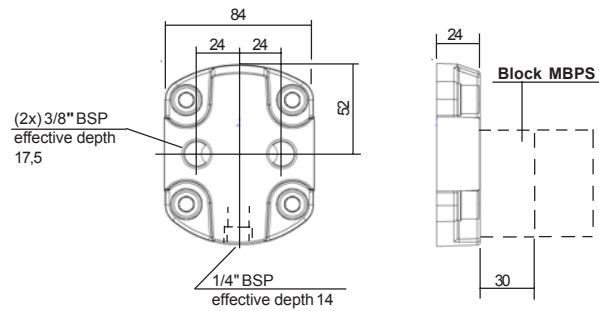
Q

Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1448 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



Consult us for availability

DRIVING SHAFT (DUK)

Tapered

10

Straight keyed

20

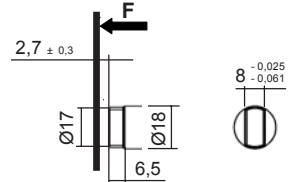
Splined

30

Tang

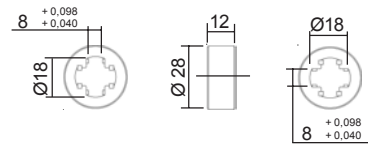
40

D02



Max tightening torque
70 N.m

Coupling on request: Ref. K102947



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1448 5/5



Consult us for availability



MOTORS PRESENTATION
SERIES 2 and 2,5

F.T 20 1433

- THICK FRONT BODIES

MOTOR AAP



F.T 20 1449

MOTOR AAR



F.T 20 1450

MOTOR ARP



F.T 20 1451

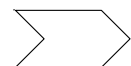
MOTOR ARK



F.T 20 1452



Consult us for availability



- THICK FRONT BODIES (rest)

MOTOR **AVP**



F.T 20 1453

MOTOR **DBP**

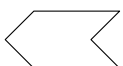


F.T 20 1454

MOTOR **DBR**



F.T 20 1455

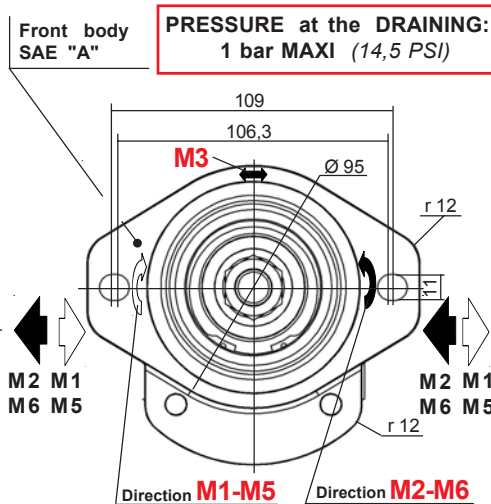
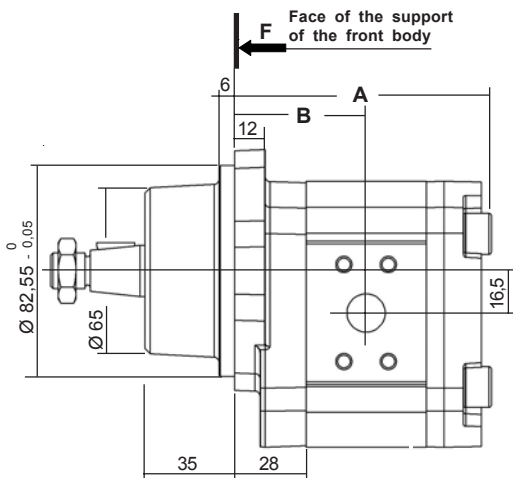
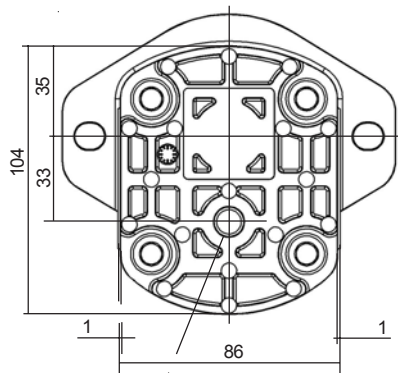


Consult us for availability



M II Sign **AA** **P** **2** VI Sign **H** **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**

CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	100,5	51,5
014 - 015 - 017 018 - 022	115	58
026 - 030	131	67

Seals kits:

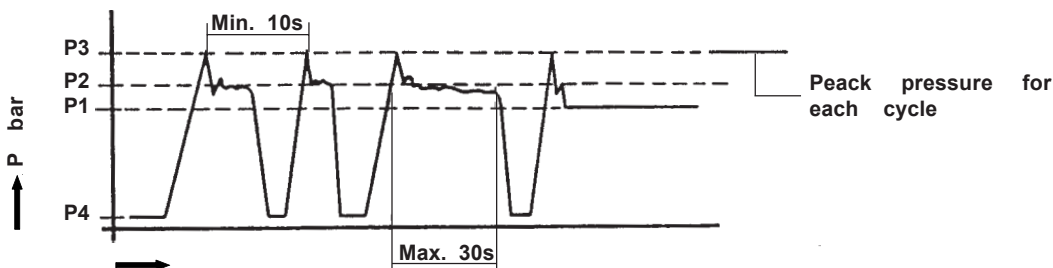
M1 - M2
Nitrile: K5069870 + K5069830
Viton: K5069880 + K5069840
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5071067 + K5071069
Viton: K5071068 + K5071070
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	Diagonal lines	3500	3,3
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	Diagonal lines	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	Diagonal lines	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	Diagonal lines	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

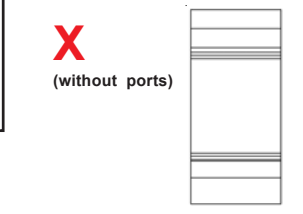
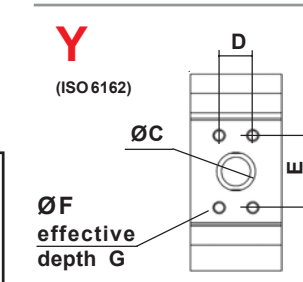
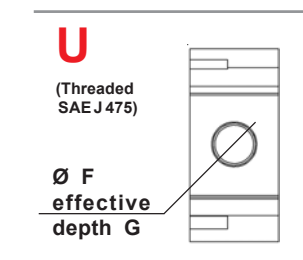
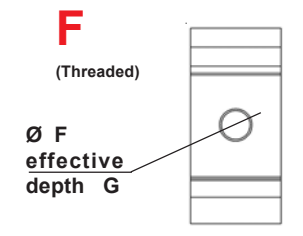
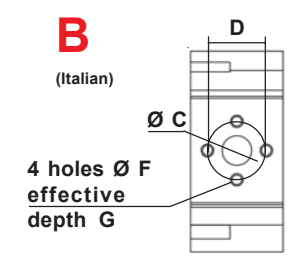
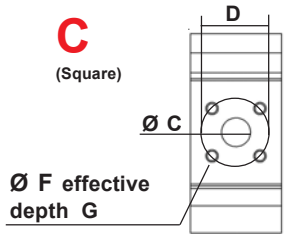
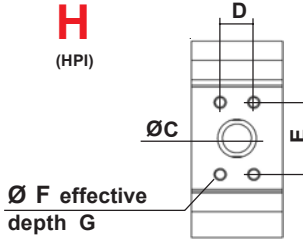


Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

												AFFECTATION					
		1 way rotation without counter pressure					1 way rotation with counter pressure					2 ways rotation with counter pressure					
		M1		M2			M5		M6			M3					
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET				
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12						
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13						
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18						
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20						
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20						
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14						
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14						
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



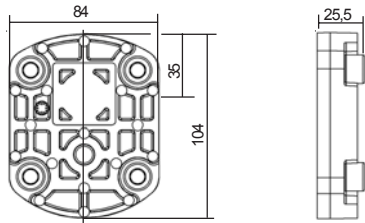
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1449 2/5

REAR BODIES for MOTORS M1 - M2

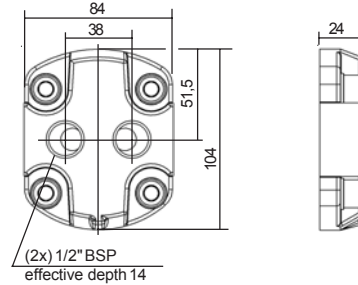
L

Standard



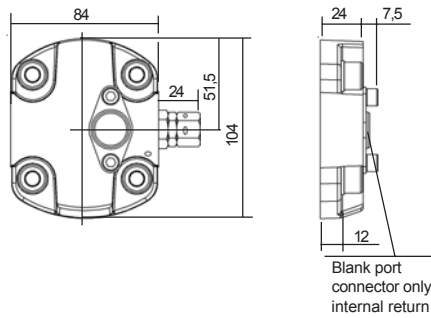
A

with ports



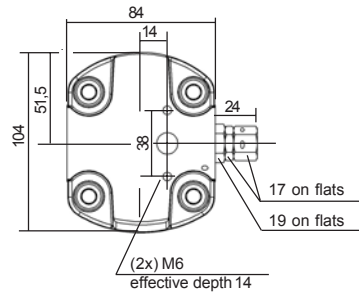
X

High pressure relief valve (Adjustable) Internal return



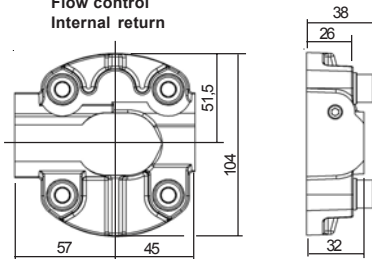
T

High pressure relief valve (Adjustable) External return



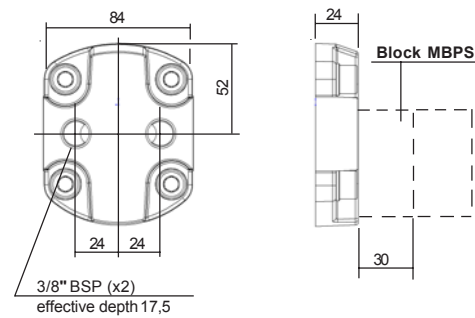
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

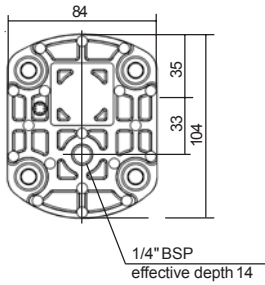
F.T 20 1449 3/5



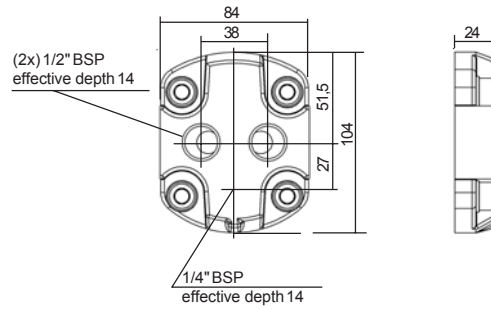
Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

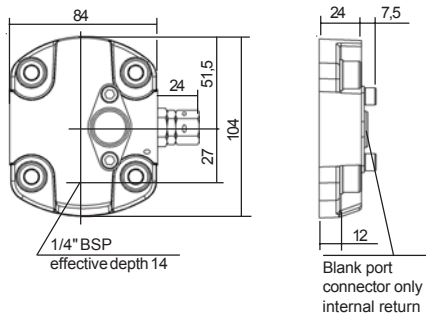
L
Standard



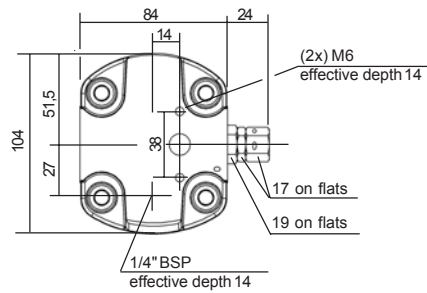
A
with ports



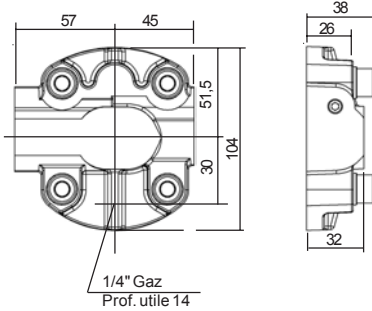
X
High pressure relief valve
(Adjustable) Internal return



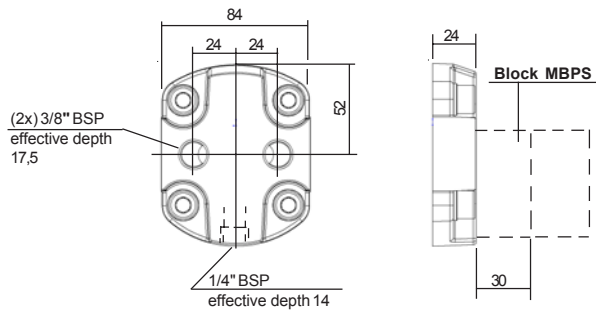
T
High pressure relief valve
(Adjustable) External return



Q
Flow control
Internal return



AR
Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1449 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

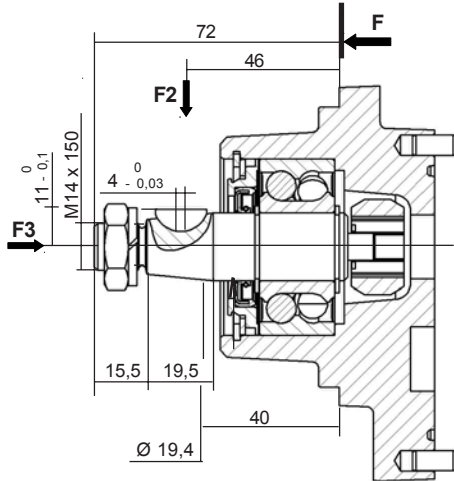
DRIVING SHAFTS

Tapered

10

C03

Taper 1/5



Delivered with nut: K102045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

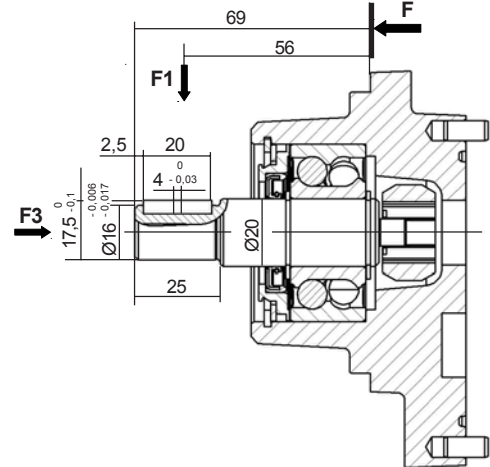
Maxi transmissible torque

70 N.m

Straight keyed

20

C03



F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque

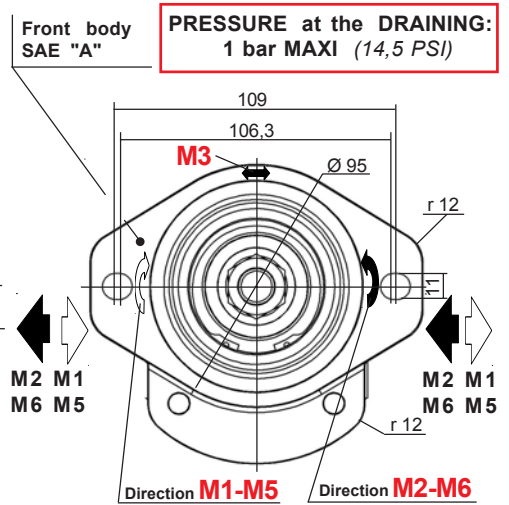
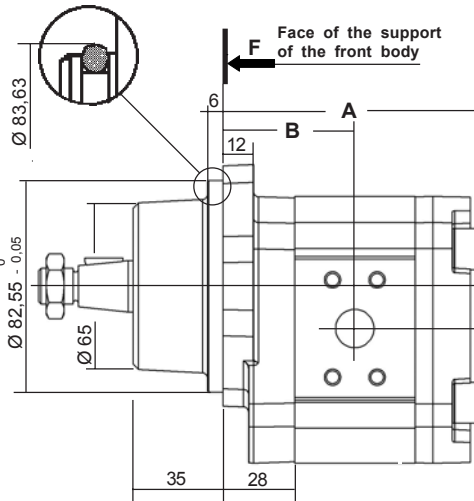
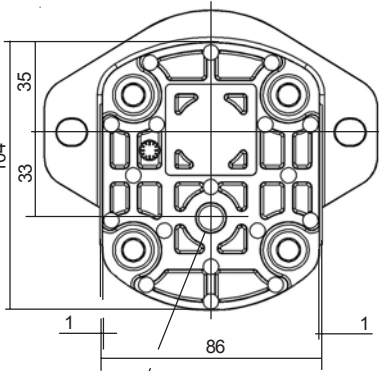
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1449 5/5

M II Sign **AAR 2** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

CHOICE of the Capacity Dimensions A B

006 - 008 - 010 012	100,5	51,5
014 - 015 - 017 018 - 022	115	58
026 - 030	131	67

Seals kits:
M1 - M2
Nitrile: K5069870 + K5069830 + K102901
Viton: K5069880 + K5069840 + K104093
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: K5071067 + K5071069 + K102902
Viton: K5071068 + K5071070 + K104093
(For manufacturer to since february 1986)

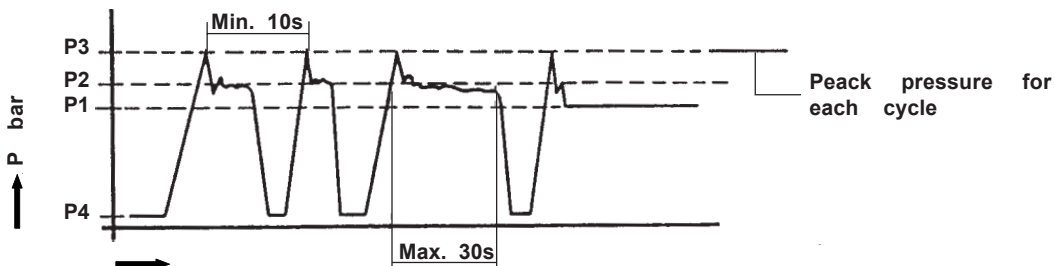
Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.
Max. tightening torque of the connexion **35 N.m**

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	150 bar	3500	3,3
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	150 bar	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	150 bar	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	150 bar	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					2 ways rotation with counter pressure											
		M1		M2			M5		M6			M3						
		ENTREE	SORTIE	ENTREE	SORTIE		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE				
		1 way rotation with counter pressure																
		M5		M6														
		INLET	OUTLET	INLET	OUTLET		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET				
H (HPI)		2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
		2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12						
C (Square)		2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
		2512 to 2522																
B (Italian)		2006 to 2012	15	30		M6	13	15	30		M6	13						
		2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
		2014 to 2022 2512				1/2" BSP	14				1" BSP	18						
U (Threaded SAE J 475)		2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20						
		2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
		2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20						
Y (ISO 6162)		2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14						
		2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
		2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14						
X (without ports)		2006 to 2030 2512 to 2522	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1450 2/5

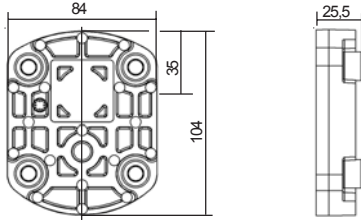


Consult us for availability

REAR BODIES for MOTORS M1 - M2

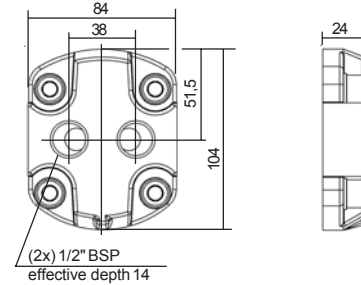
L

Standard



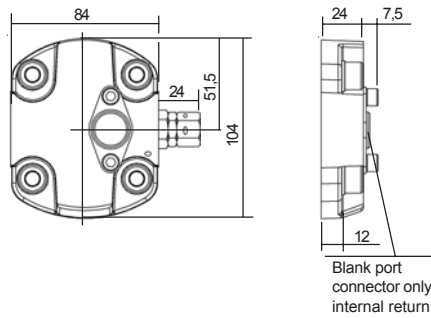
A

with ports



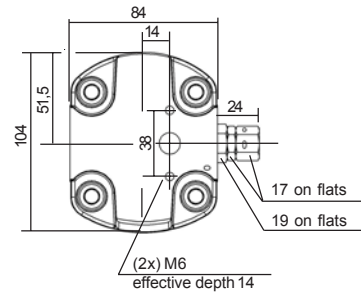
X

High pressure relief valve (Adjustable) Internal return



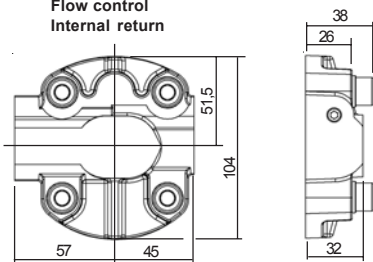
T

High pressure relief valve (Adjustable) External return



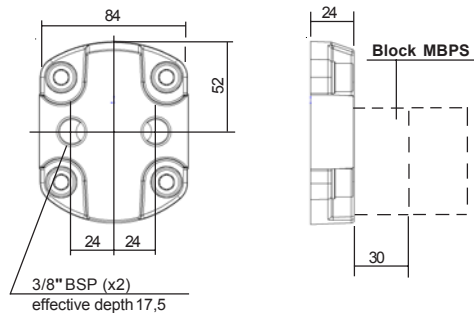
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1450 3/5

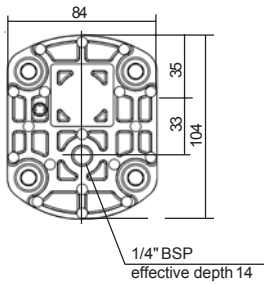


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

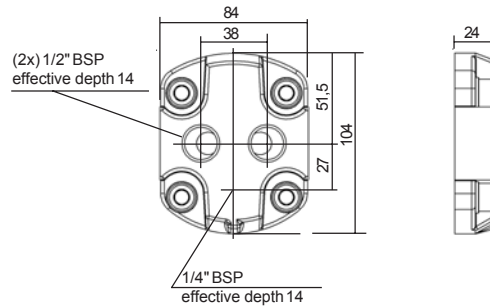
L

Standard



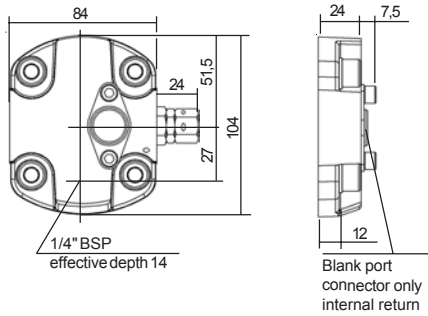
A

with ports



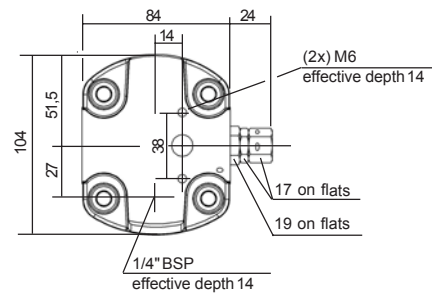
X

High pressure relief valve (Adjustable) Internal return



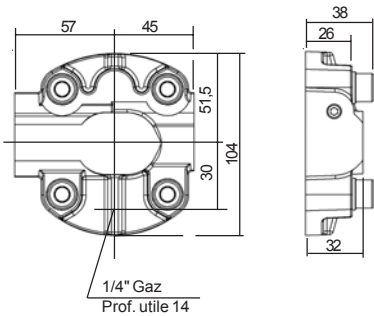
T

High pressure relief valve (Adjustable) External return



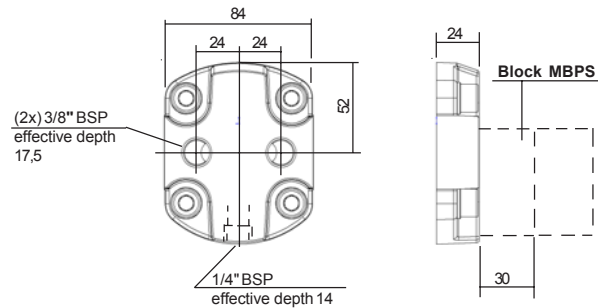
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1450 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



Consult us for availability

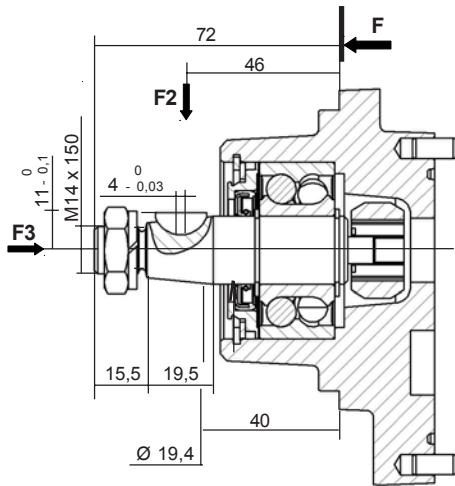
DRIVING SHAFTS

Tapered

10

C03

Taper 1/5



Delivered with nut: K102045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

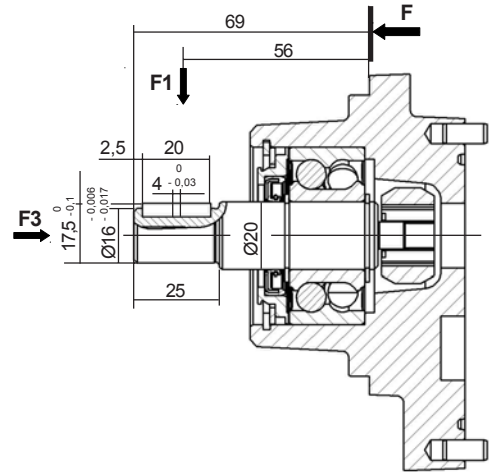
Maxi transmissible torque

70 N.m

Straight keyed

20

C03



F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque

50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1450 5/5



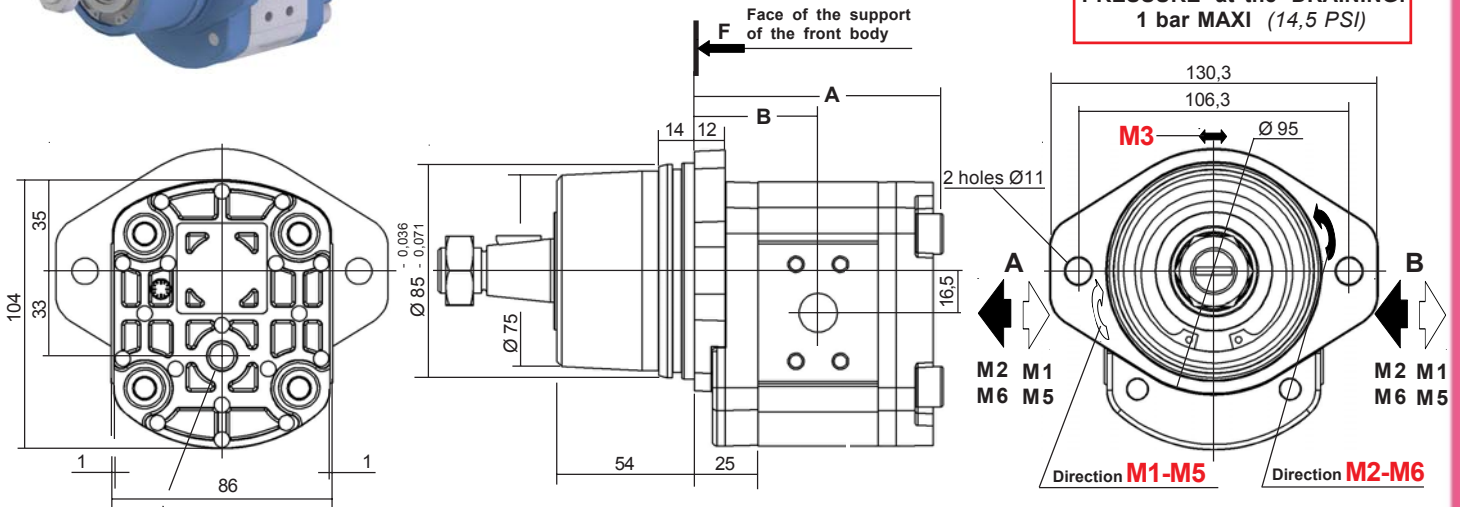
Consult us for availability



M II Sign **AR P 2** VI Sign **H L 1 0 C05** XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	97,5	48,5
014 - 015 - 017 018 - 022	112	56
026 - 030	128	64

Seals kits:

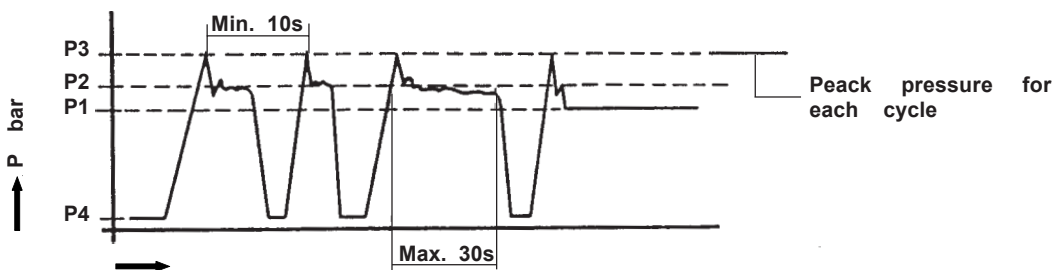
M1 - M2
Nitrile: **K5069830 + K5069870**
Viton: **K5069840 + K5069880**
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: **K5071069 + K5069870**
Viton: **K5071070 + K5069880**
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at $\Delta P \leq 100$ bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	///	3500	3,3
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	///	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	///	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	///	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet $\leq P$ (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure				2 ways rotation with counter pressure											
		M1		M2		M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE						
		1 way rotation with counter pressure															
		M5		M6													
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



Consult us for availability

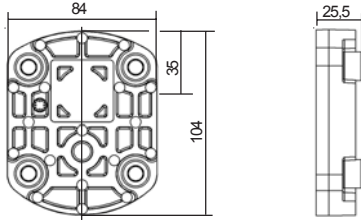
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1451 2/5

REAR BODIES for MOTORS M1 - M2

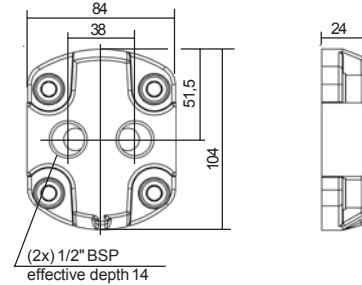
L

Standard



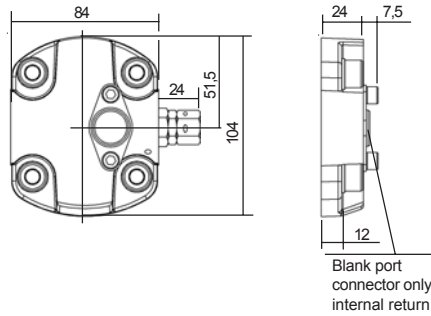
A

with ports



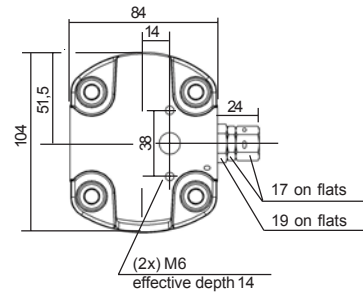
X

High pressure relief valve (Adjustable) Internal return



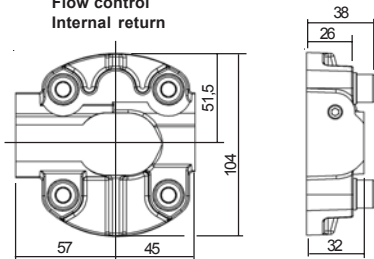
T

High pressure relief valve (Adjustable) External return



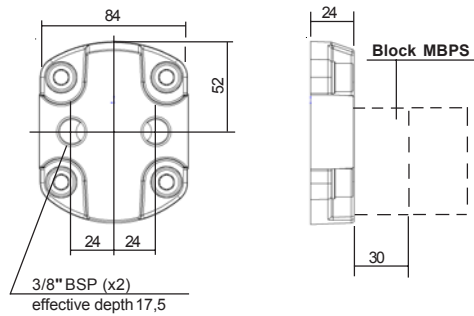
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1451 3/5

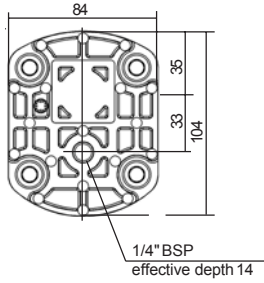


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

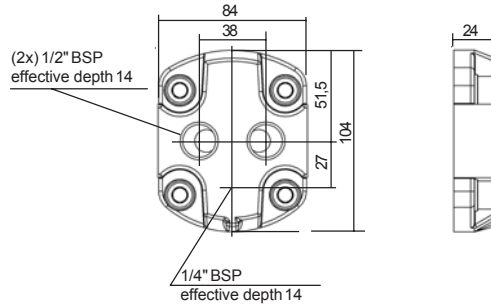
L

Standard



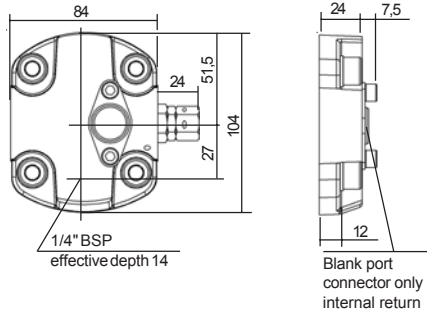
A

with ports



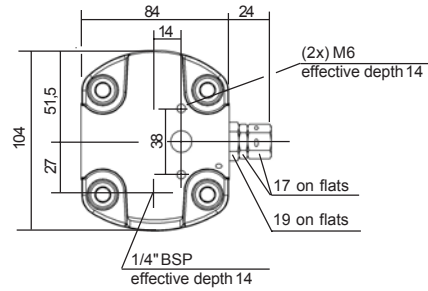
X

High pressure relief valve (Adjustable) Internal return



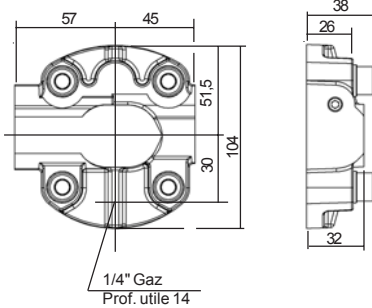
T

High pressure relief valve (Adjustable) External return



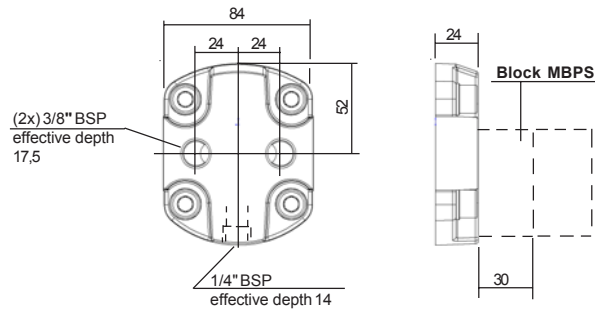
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1451 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



Consult us for availability

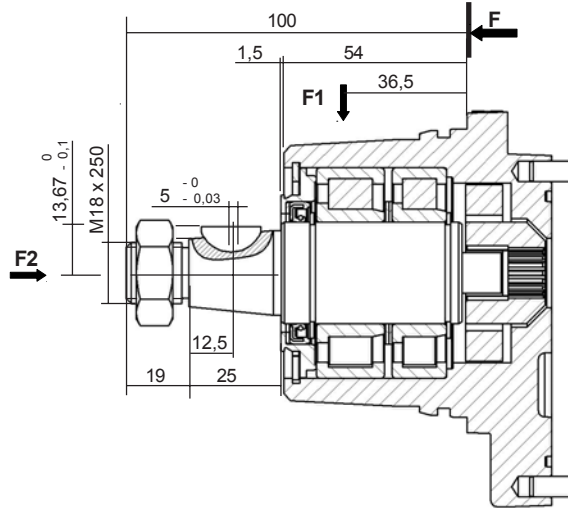
DRIVING SHAFTS

Tapered

10

C05

Taper 1/5



Delivered with nut: K106295

F1 Maxi: 350 daN
F2 Maxi: 50 daN

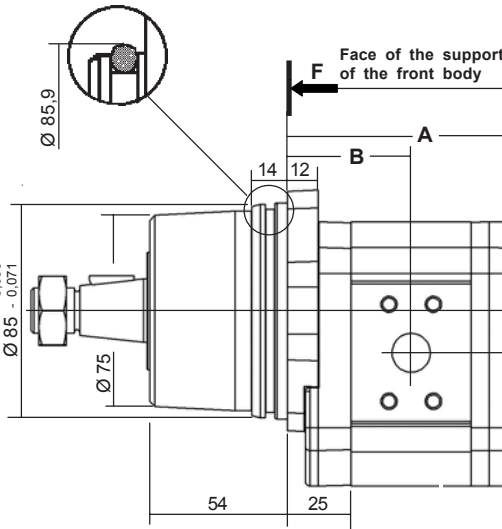
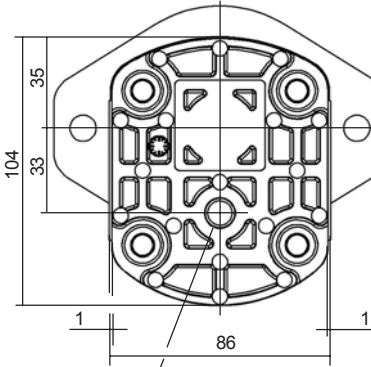
Maxi transmissible torque
70 N.m

Dimensions readings and approximative characteristics subject to modifications.

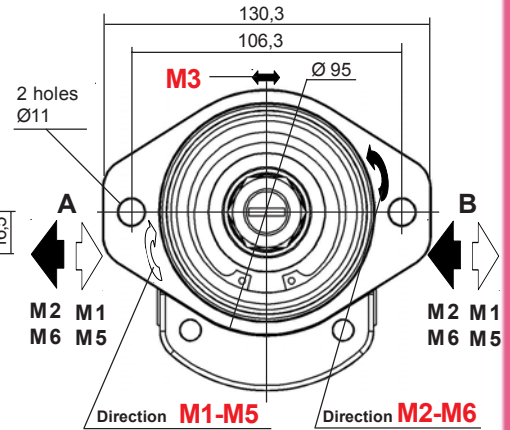
F.T 20 1451 5/5

M II Sign **AR K 2** VI Sign **H L 1 0 C05** XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



CHOICE of the Capacity Dimensions A B

006 - 008 - 010	97,5	48,5
012		
014 - 015 - 017	112	56
018 - 022		
026 - 030	128	64

Seals kits:
M1 - M2
Nitrile: K5069830 + K5069870 + K106139
Viton: K5069840 + K5069880 + K106139
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: K5071069 + K5069870 + K106139
Viton: K5071070 + K5069880 + K106139
(For manufacturer to since february 1986)

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

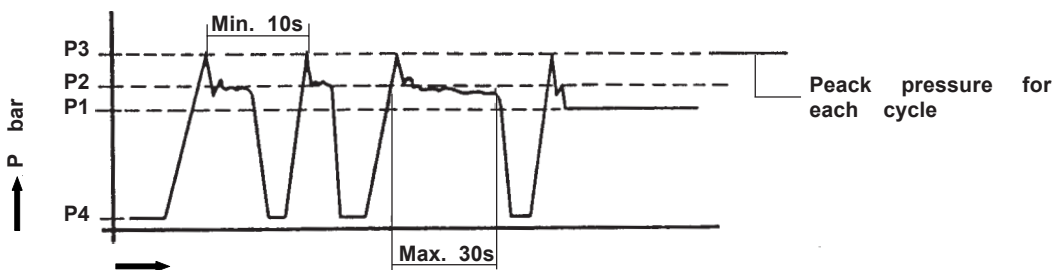
Max. tightening torque of the connexion
35 N.m

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	150 bar	3500	3,3
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	150 bar	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	150 bar	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	150 bar	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure				2 ways rotation with counter pressure											
		M1		M2		M3		M5		M6							
		ENTREE	SORTIE	ENTREE	SORTIE			ENTREE	SORTIE	ENTREE	SORTIE						
		1 way rotation with counter pressure															
		M5		M6													
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



Consult us for availability

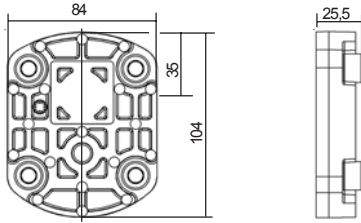
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1452 2/5

REAR BODIES for MOTORS M1 - M2

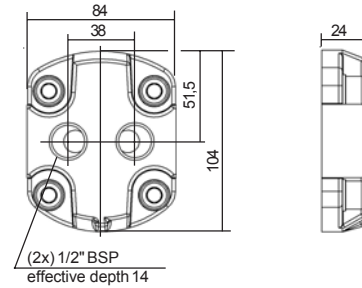
L

Standard



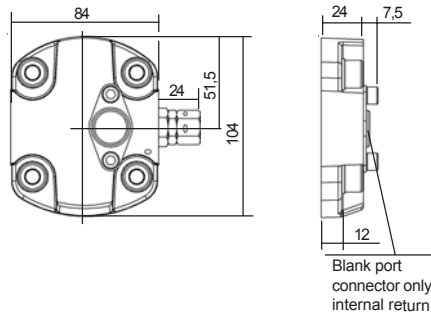
A

with ports



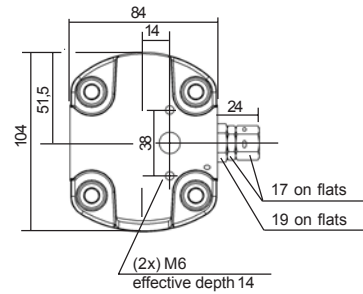
X

High pressure relief valve (Adjustable) Internal return



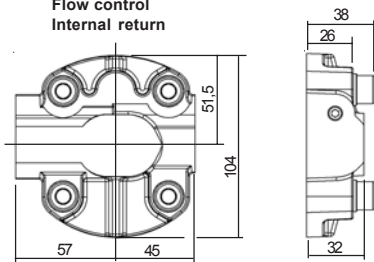
T

High pressure relief valve (Adjustable) External return



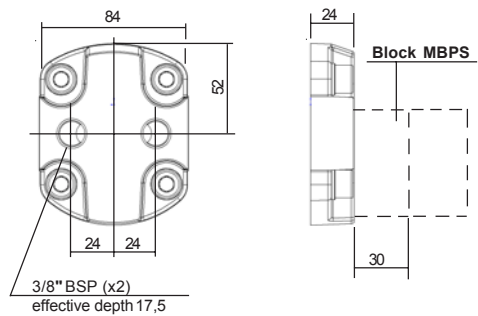
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1452 3/5

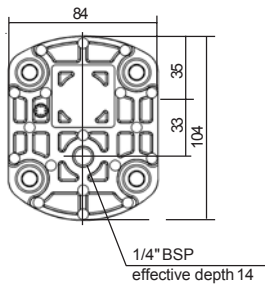


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

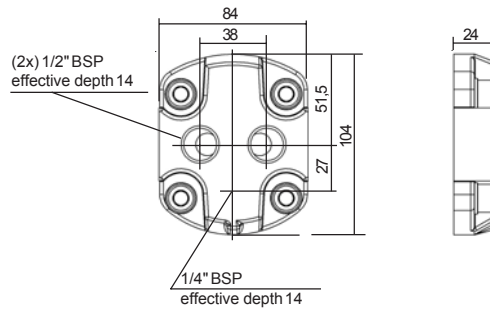
L

Standard



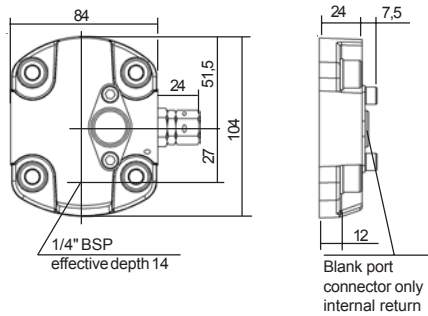
A

with ports



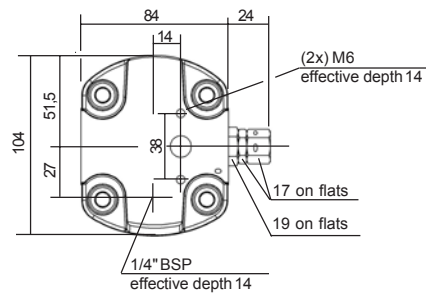
X

High pressure relief valve (Adjustable) Internal return



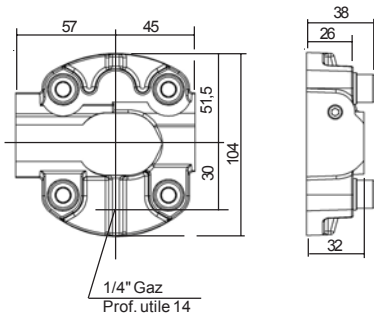
T

High pressure relief valve (Adjustable) External return



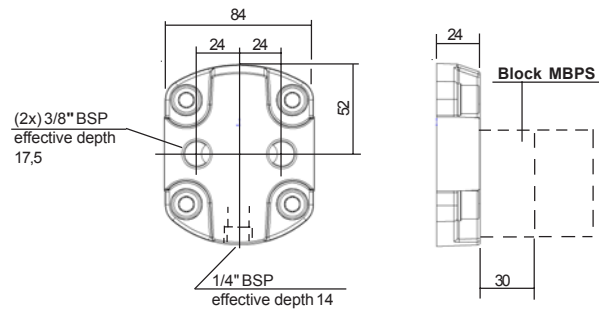
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1452 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



Consult us for availability

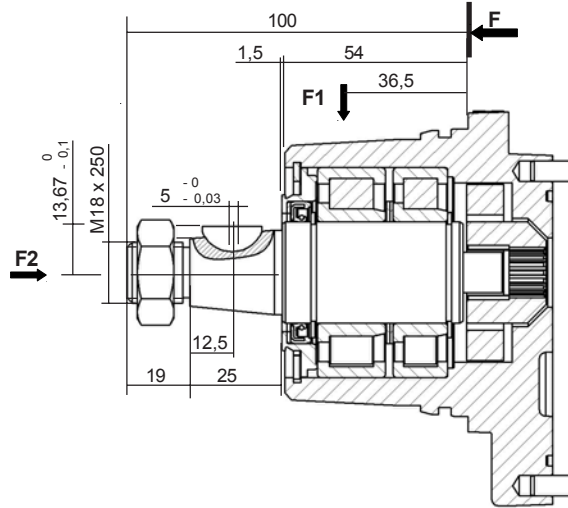
DRIVING SHAFTS

Tapered

10

C05

Taper 1/5



Delivered with nut: K106295

F1 Maxi: 350 daN

F2 Maxi: 50 daN

Maxi transmissible torque

70 N.m

Dimensions readings and approximative characteristics subject to modifications.

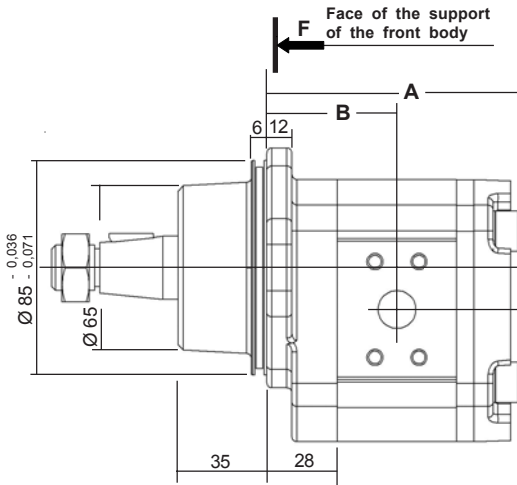
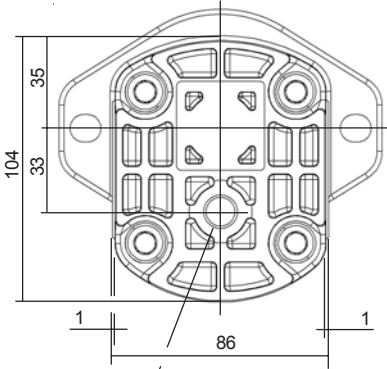
F.T 20 1452 5/5



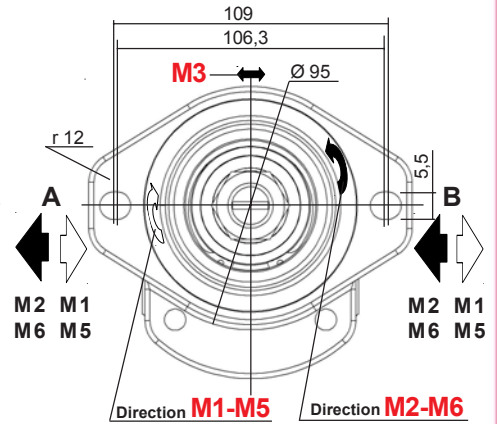
Consult us for availability

M II Sign **AVP 2** VI Sign **H L 1 0 C06** XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



CHOICE of the Capacity

	Dimensions	
	A	B
006 - 008 - 010 012	100,5	51,5
014 - 015 - 017 018 - 022	115	58
026 - 030	131	67

Seals kits:
M1 - M2
Nitrile: **K102672 + K5069830**
Viton: **K106190 + K5069840**
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: **K102672 + K5071069**
Viton: **K106190 + K5071070**
(For manufacturer to since february 1986)

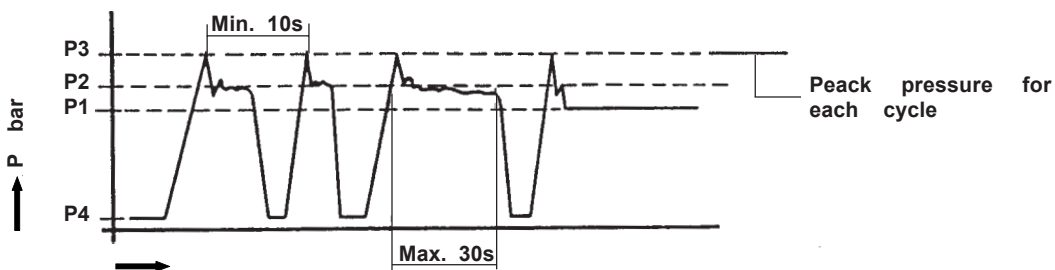
Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.
Max. tightening torque of the connexion **35 N.m**

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	150 bar	3500	3,3
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	150 bar	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	150 bar	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	150 bar	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1** Maximum pressure in continuous duty
- P2** Maximum pressure in intermittent duty
- P3** Max. Allowable peak pressure
- P4** Pressure at Motor outlet ≤ P (Only in M3)

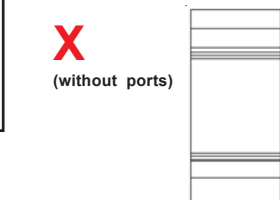
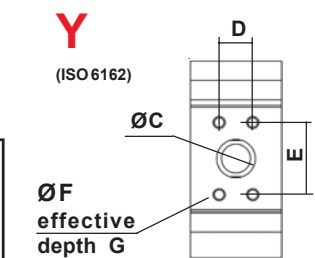
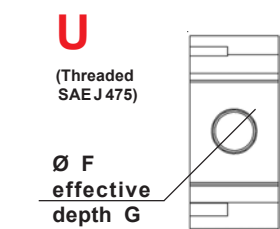
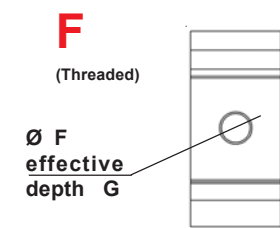
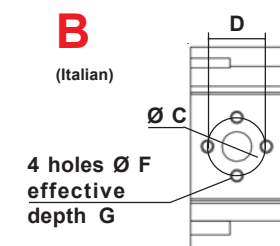
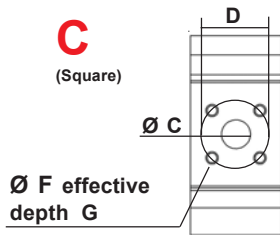
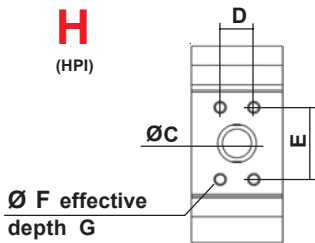


Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure				2 ways rotation with counter pressure											
		M1		M2		M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE						
		1 way rotation with counter pressure															
		M5		M6													
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



Dimensions readings and approximative characteristics subject to modifications.

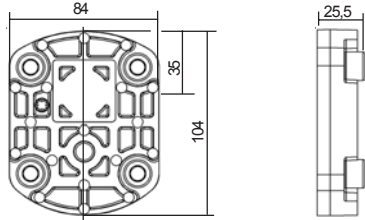
F.T 20 1453 2/5

Only with rear body Type A

REAR BODIES for MOTORS M1 - M2

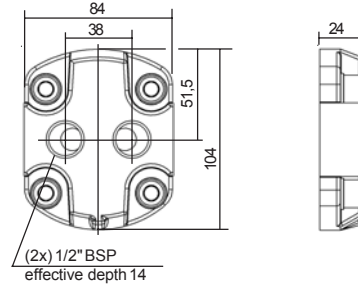
L

Standard



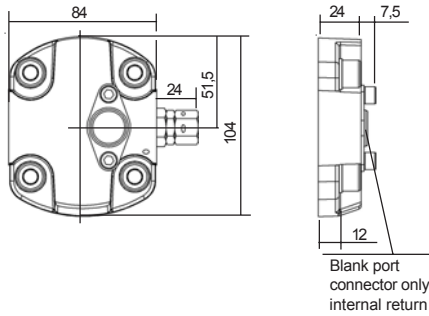
A

with ports



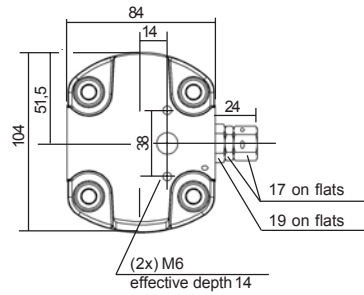
X

High pressure relief valve (Adjustable) Internal return



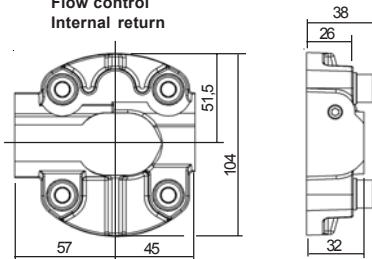
T

High pressure relief valve (Adjustable) External return



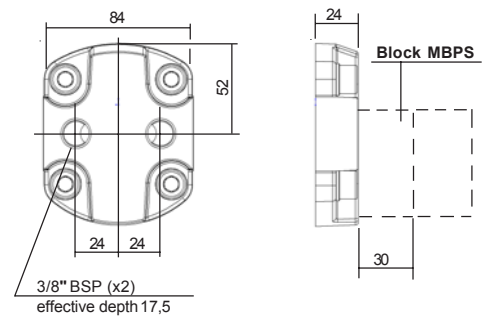
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



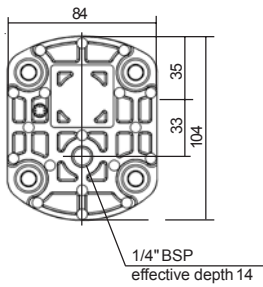
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1453 3/5

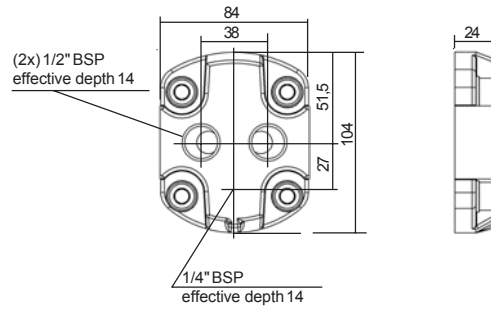
Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

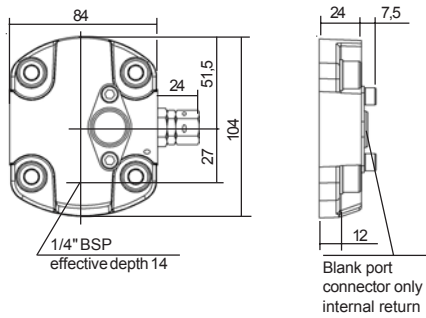
L
Standard



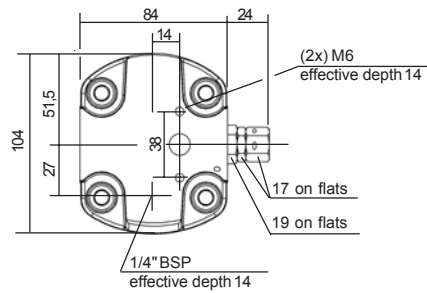
A
with ports



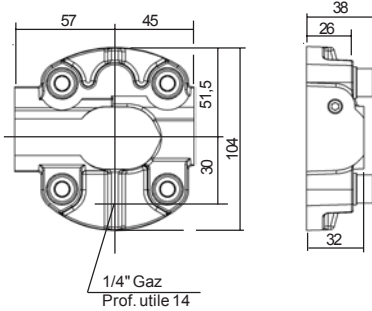
X
High pressure relief valve
(Adjustable) Internal return



T
High pressure relief valve
(Adjustable) External return

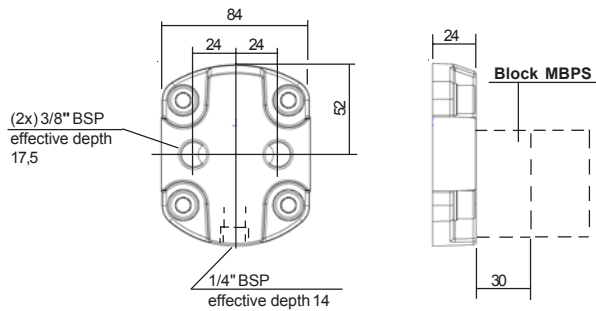


Q
Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1453 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



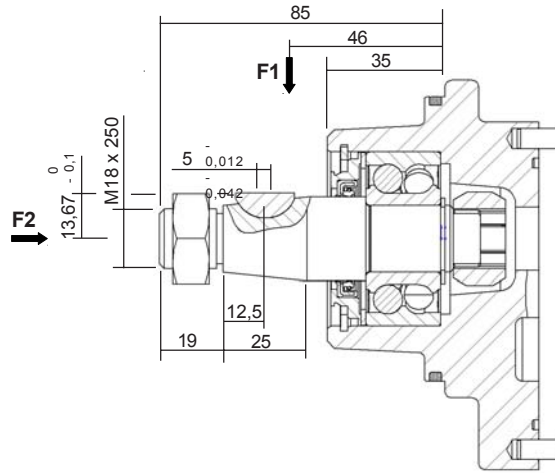
Consult us for availability

DRIVING SHAFT

Tapered

10

C06 Taper 1 / 5



Delivered with nut: K106295

F1 Maxi: 350 daN

F2 Maxi: 50 daN

Maxi transmissible torque

70 m.daN

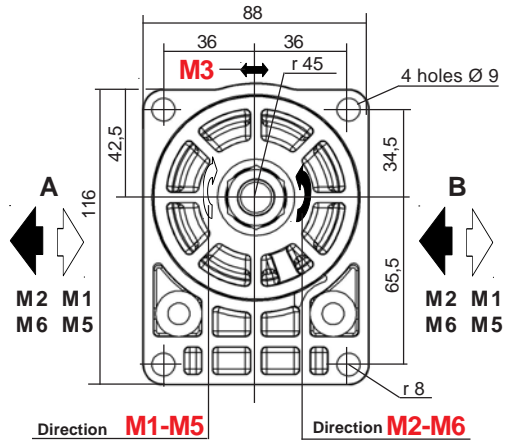
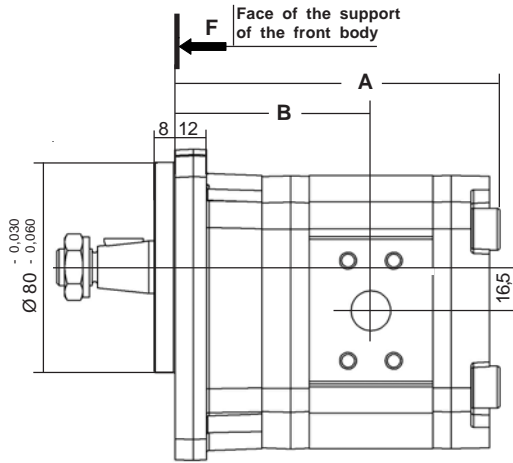
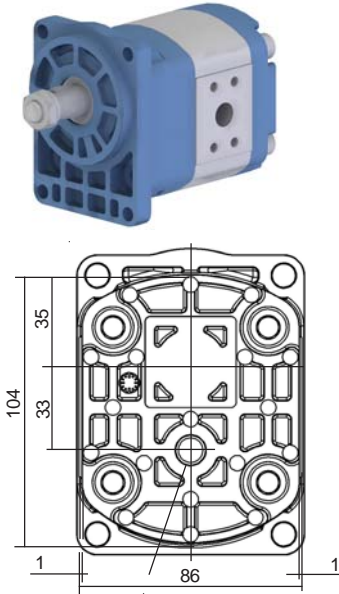
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1453 5/5

M II Sign **DBP** 2 VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	123,5	74,5
014 - 015 - 017 018 - 022	138	82
026 - 030	154	90

Seals kits:
M1 - M2
Nitrile: K5069830 + K5069870
Viton: K5069840 + K5069880
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: K5071067 + K5073298
Viton: K5071070 + K5069880
(For manufacturer to since february 1986)

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

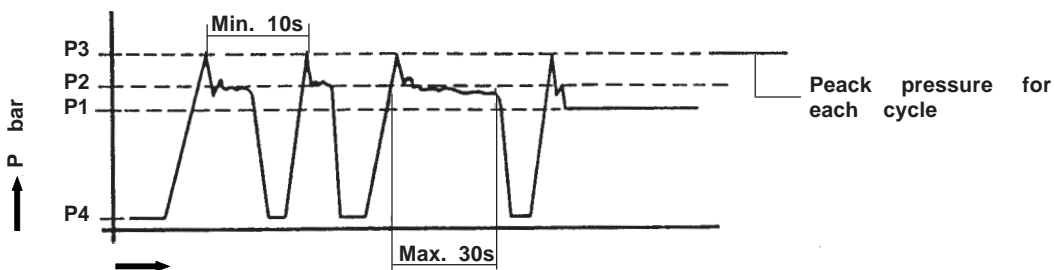
Max. tightening torque of the connexion
35 N.m

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	3,3
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	1000 ^{225 bar}	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	1000 ^{225 bar}	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

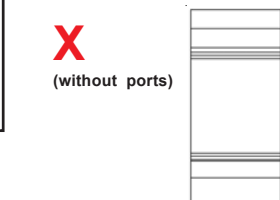
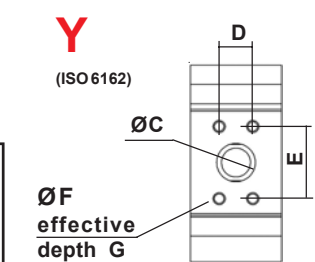
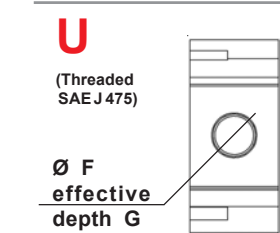
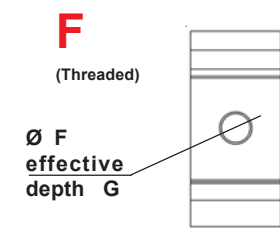
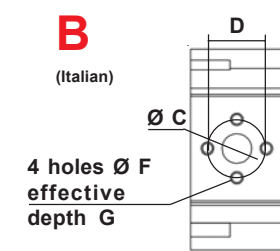
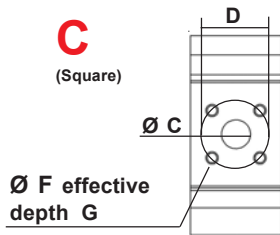
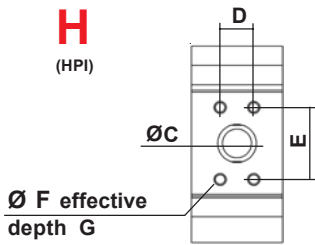


Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure				2 ways rotation with counter pressure											
		M1		M2		M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE						
		1 way rotation with counter pressure															
		M5		M6													
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
H (HPI)	2006 to 2012	15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2006 to 2030	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
	2512 to 2522																
B (Italian)	2006 to 2012	15	30		M6	13	15	30		M6	13	A	B	B	A	B	A
	2014 to 2030 2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2006 to 2012				3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
	2014 to 2022 2512				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2006 to 2012				7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
	2014 to 2022 2512				1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20	A	B	B	A	B	A
	2026-2030 2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2006 to 2012	15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
	2014 to 2022 2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
	2026-2030 2515 to 2522	15	17,4	38	M10	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2006 to 2030 2512 to 2522	Only with rear body Type A															



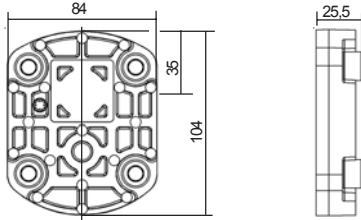
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1454 2/5

REAR BODIES for MOTORS M1 - M2

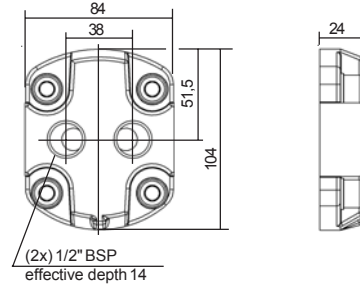
L

Standard



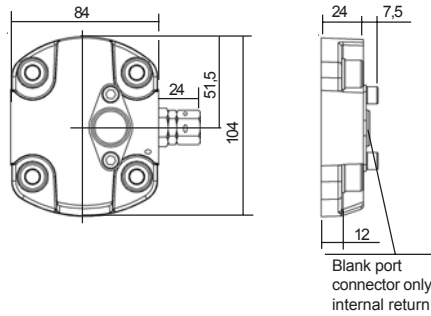
A

with ports



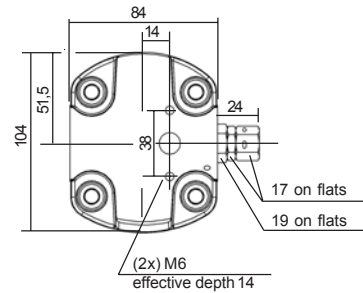
X

High pressure relief valve (Adjustable) Internal return



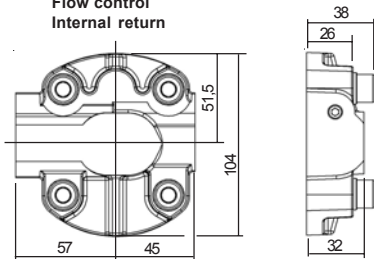
T

High pressure relief valve (Adjustable) External return



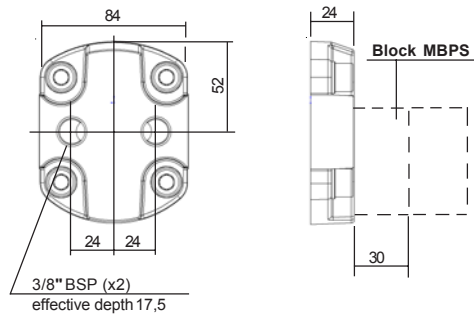
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1454 3/5

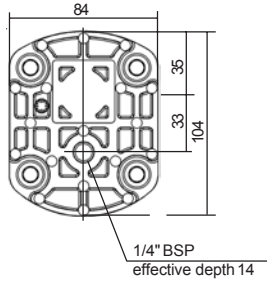


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

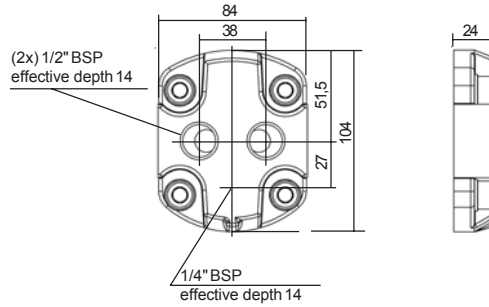
L

Standard



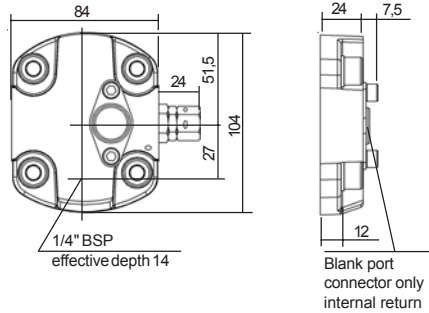
A

with ports



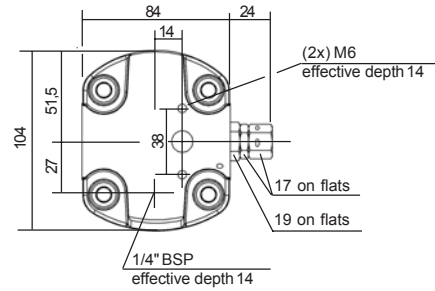
X

High pressure relief valve (Adjustable) Internal return



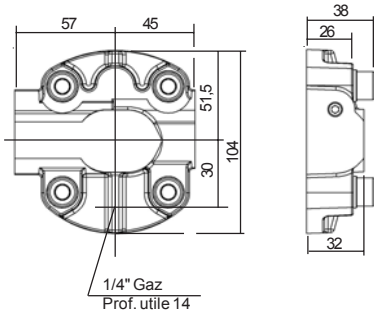
T

High pressure relief valve (Adjustable) External return



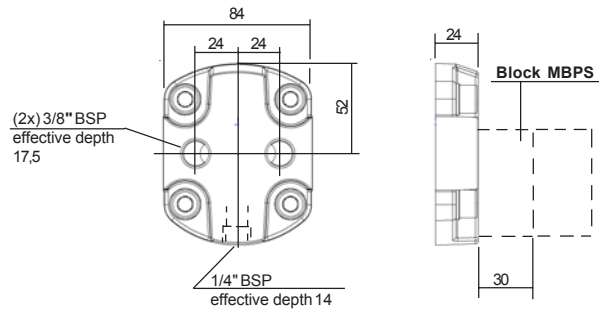
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1454 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



Consult us for availability

DRIVING SHAFTS

Tapered

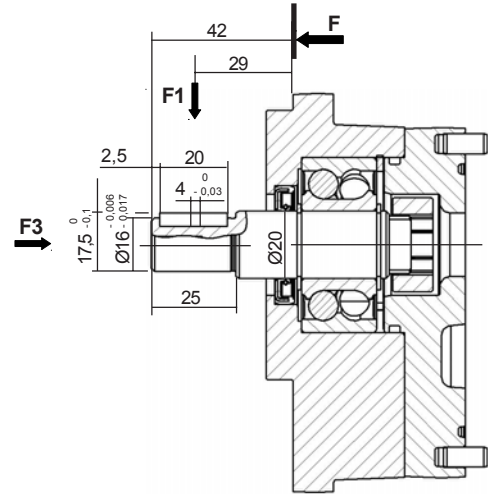
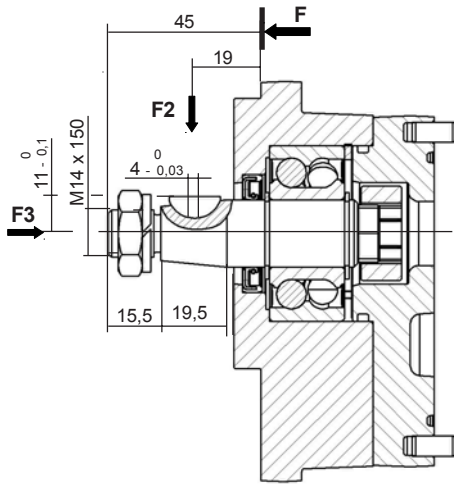
10

Straight keyed

20

C07 Taper 1 / 5

C15



Delivered with Nut: K102045

F2 Maxi: 120 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

F1 Maxi: 100 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

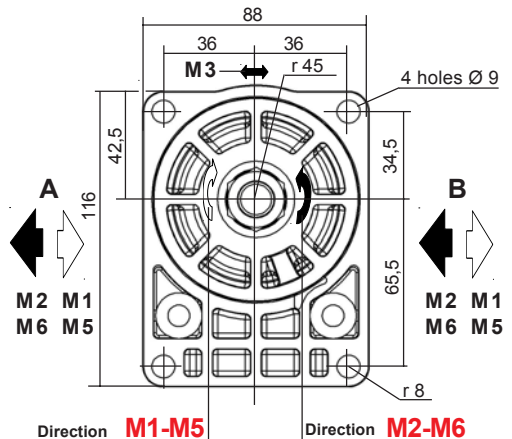
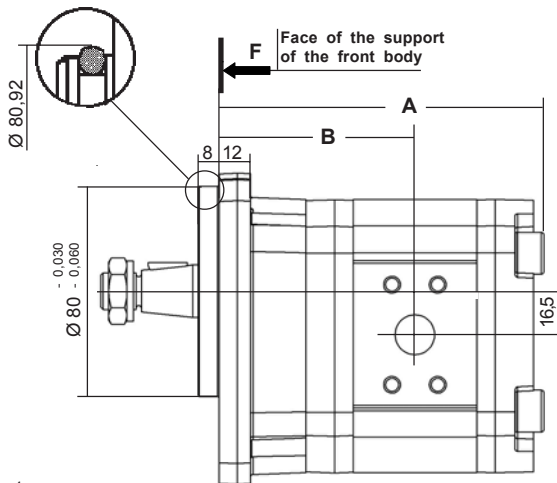
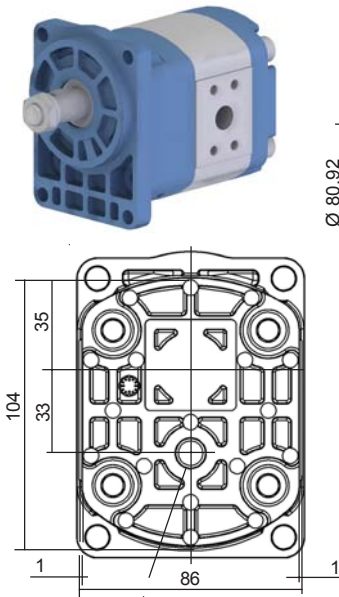
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1454 5/5

M II Sign DBR 2 VI Sign HL IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T R 0243

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
006 - 008 - 010 012	123,5	74,5
014 - 015 - 017 018 - 022	138	82
026 - 030	154	90

Seals kits:

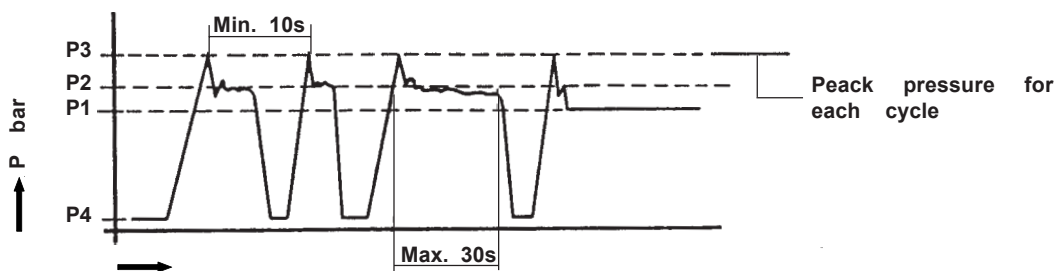
M1 - M2
Nitrile: K5069830 + K5069870 + K101517
Viton: K5069840 + K5069880 + K104406
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5071069 + K5069870 + K101517
Viton: K5071070 + K5069880 + K104406
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2006	6,45	200	2900	230	3335	250	3625	3000	3200	500	1200	1400	4000	2,7
2008	8,25	200	2900	230	3335	250	3625	3000	3200	500	1000	1400	4000	2,8
2010	10,12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2012	12	200	2900	230	3335	250	3625	3000	3200	500	1000	1200	4000	2,8
2014	13,8	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3
2015	15,52	185	2682	200	2900	225	3262	3000	3000	500	800	1000 ^{225 bar}	3500	3,1
2017	17,3	150	2175	175	2537	200	2900	3000	3000	500	800	1000 ^{225 bar}	3500	3,2
2018	19,12	125	1812	150	2175	175	2537	3000	2800	500	800 ^{175 bar}	150 ^{bar}	3500	3,3
2022	22,87	100	1450	125	1812	150	2175	3000	2800	500	800 ^{150 bar}	150 ^{bar}	3500	3,4
2026	27,6	100	1450	125	1812	150	1450	3000	2600	500	800 ^{150 bar}	150 ^{bar}	3500	3,8
2030	31,2	100	1450	125	1812	150	1450	3000	2300	500	800 ^{150 bar}	150 ^{bar}	3500	3,9

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

												AFFECTATION					
		1 way rotation without counter pressure					1 way rotation with counter pressure					2 ways rotation with counter pressure					
		M1		M2			M5		M6			M3					
		ENTREE	SORTIE	ENTREE	SORTIE		ENTREE	OUTLET	ENTREE	OUTLET		ENTREE	OUTLET				
Capacity		INLET					OUTLET										
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET		
2006 to 2012		15	17,4	38	M6	12	20	17,4	38	M6	15	A	B	B	A	B	A
		15	17,4	38	M6	12	26	47,6	22,4	M6	12						
2014 to 2030		15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
		15	30		M6	13	15	30		M6	13						
2512 to 2522		15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
		15	30		M6	13	23,5	40		M8	13						
2006 to 2012					3/8" BSP	12				3/4" BSP	16	A	B	B	A	B	A
					1/2" BSP	14				1" BSP	18						
2014 to 2022					7/8" 14 UNF 2B	17				1" 1/16 12 UNF 2B	20	A	B	B	A	B	A
					1" 5/16 12 UNF 2B	17				7/8" 14 UNF 2B	20						
2026-2030					1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20						
		15	17,4	38	M8	14	20	17,4	38	M8	14	A	B	B	A	B	A
2014 to 2022		15	17,4	38	M8	14	26	47,6	22,4	M10	14	A	B	B	A	B	A
		15	17,4	38	M10	14	26	52,4	26,2	M10	14						
2006 to 2030		Only with rear body Type A															
		2512 to 2522															



Consult us for availability

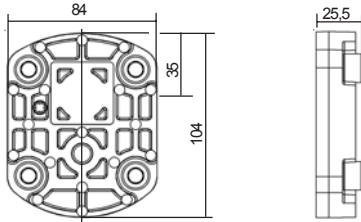
Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1455 2/5

REAR BODIES for MOTORS M1 - M2

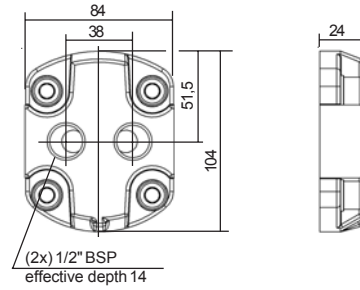
L

Standard



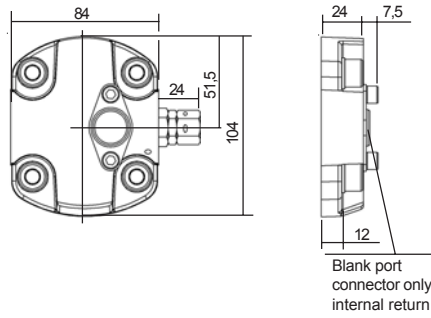
A

with ports



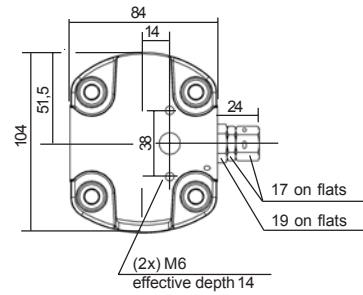
X

High pressure relief valve
(Adjustable) Internal return



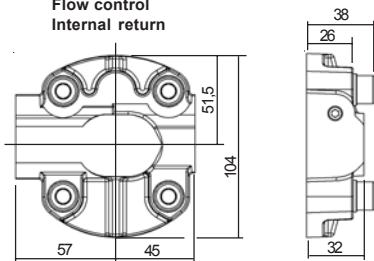
T

High pressure relief valve
(Adjustable) External return



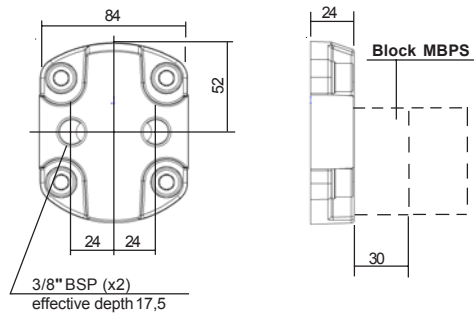
Q

Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1455 3/5

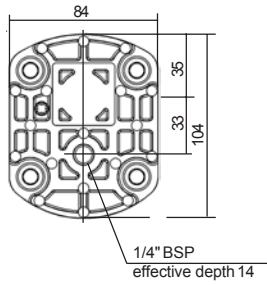


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

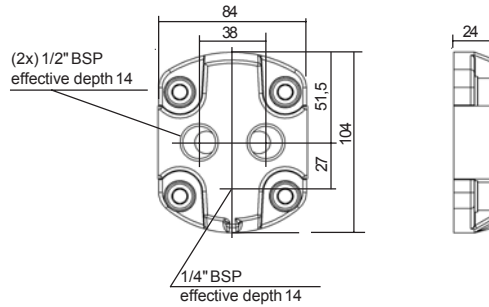
L

Standard



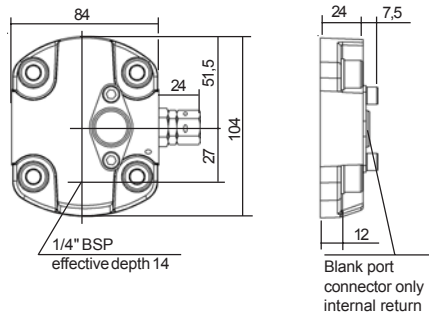
A

with ports



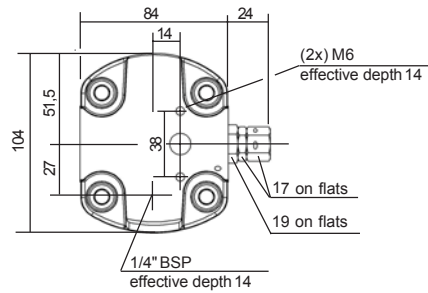
X

High pressure relief valve
(Adjustable) Internal return



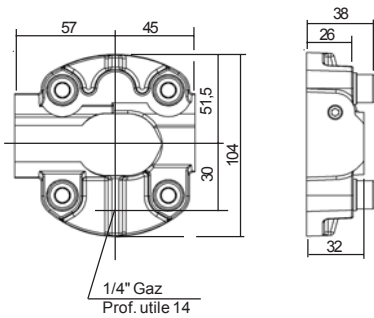
T

High pressure relief valve
(Adjustable) External return



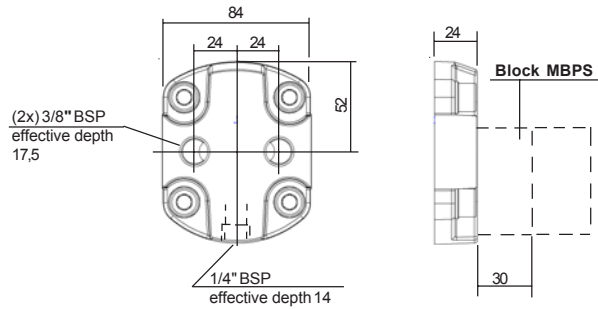
Q

Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1455 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



Consult us for availability

DRIVING SHAFTS

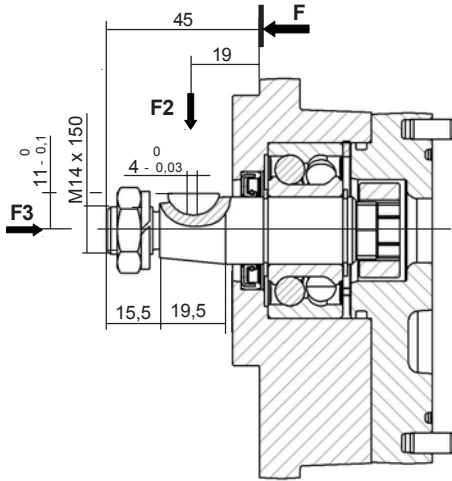
Tapered

10

Straight keyed

20

C07 Taper 1 / 5

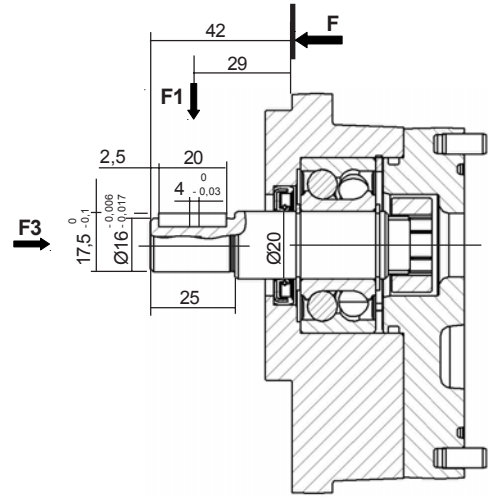


Delivered with Nut: K102045

F2 Maxi: 120 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

C15



F1 Maxi: 100 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 20 1455 5/5



Consult us for availability

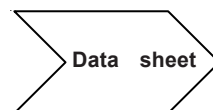


MOTORS PRESENTATION
SERIES 2 and 2,5

F.T 20 1433

- FLAT FRONT BODIES

MOTOR **AAAN**



F.T 25 1456

MOTOR **AAK**



F.T 25 1457

MOTOR **AFN**



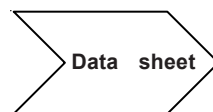
F.T 25 1458

MOTOR **APK**



F.T 25 1459

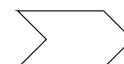
MOTOR **BAN**



F.T 25 1460



Consult us for availability



- FLAT FRONT BODIES (rest)

MOTOR

CANData sheet**F.T 25 1461**

MOTOR

CENData sheet**F.T 25 1462**


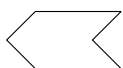
MOTOR

CEKData sheet**F.T 25 1463**

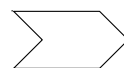
MOTOR

DBNData sheet**F.T 25 1464**

MOTOR

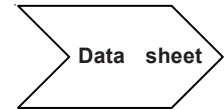
DBKData sheet**F.T 25 1465** Consult us for availability[home](#)[contents](#)[previous](#)[next](#)[main dimensions](#)

PUBLISHING 02 / 2012



- FLAT FRONT BODIES (rest)

MOTOR **DCN**



F.T 25 1466

MOTOR **DCK**



F.T 25 1467

MOTOR **DUK**



F.T 25 1468

MOTOR **DWN**

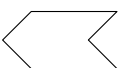


F.T 25 1469

MOTOR **DZK**



F.T 25 1470



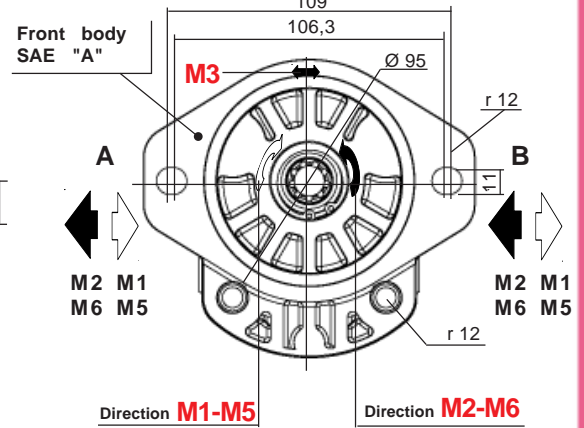
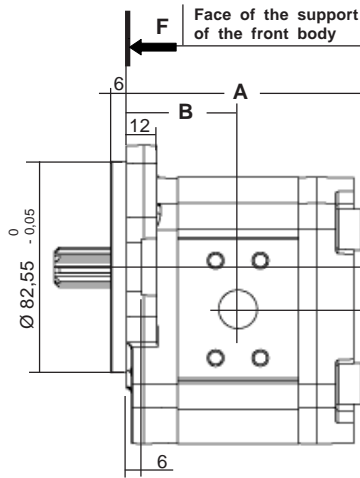
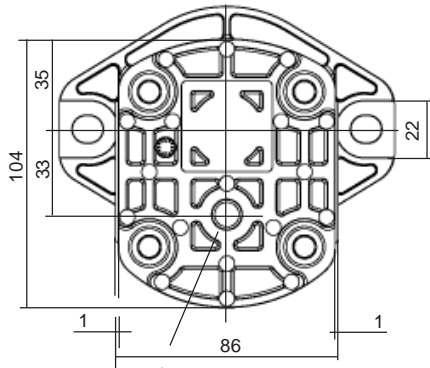
Consult us for availability



M II Sign **AA** **N** **25** VI Sign **H** **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

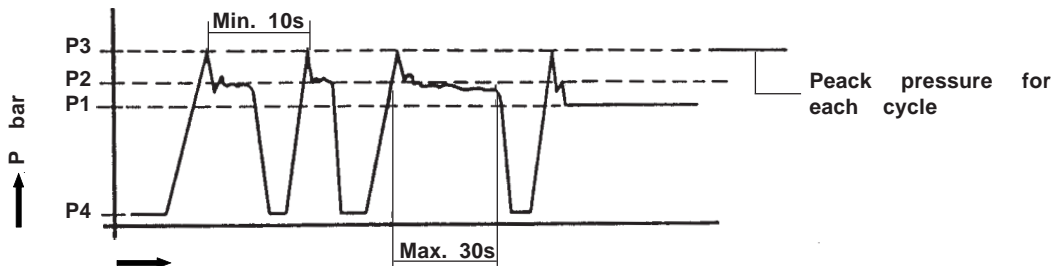
CHOICE of the Capacity	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

Seals kits:
M1 - M2
Nitrile: K5069810 Viton: K5069820
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: K5071067 Viton: K5071068
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at			mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar			
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI			
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3	
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000	225 bar	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000	225 bar	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800	175 bar	3500	2,7	
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800	150 bar	3500	2,8	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

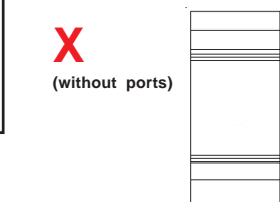
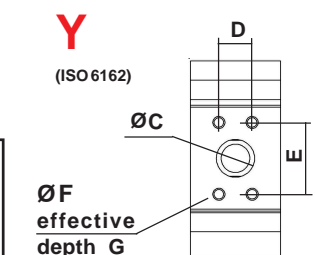
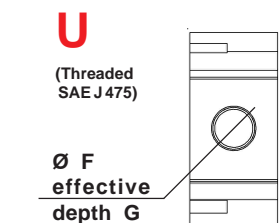
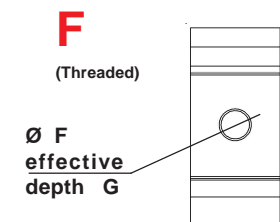
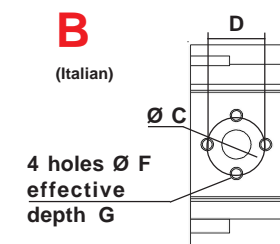
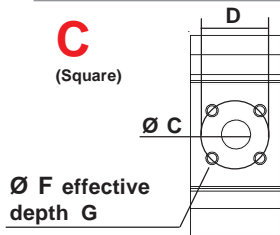
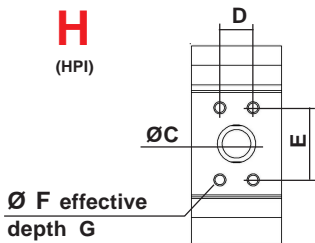
F.T 25 1456 1/5

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION										
		1 way rotation without counter pressure					1 way rotation with counter pressure				2 ways rotation with counter pressure	
		M1		M2			M5		M6		M3	
		ENTREE	SORTIE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE	ENTREE
		INLET	OUTLET	INLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
H (HPI)	2512 to 2522	A	B	B	A	B	A	B	A	B	A	
C (Square)	2512 to 2522	A	B	B	A	B	A	B	A	B	A	
B (Italian)	2512 to 2522	A	B	B	A	B	A	B	A	B	A	
F (Threaded)	2512 to 2522	A	B	B	A	B	A	B	A	B	A	
U (Threaded SAE J 475)	2512	A	B	B	A	B	A	B	A	B	A	
	2515 to 2522											
Y (ISO 6162)	2512	A	B	B	A	B	A	B	A	B	A	
	2515 to 2522											
X (without ports)	2512 to 2522	Only with rear body Type A										

Capacity	INLET					OUTLET				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12
	15	35		M6	12	20	40		M6	12
	15	30		M6	13	23,5	40		M8	13
				1/2" BSP	14				1" BSP	18
				7/8" 14 UNF 2B	17				1"5/16 12 UNF 2B	20
				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20
	15	17,4	38	M10	14	26	47,6	22,4	M8	14
	15	17,4	38	M8	14	26	52,4	26,2	M10	14



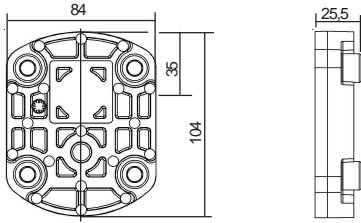
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1456 2/5

REAR BODIES for MOTORS M1 - M2

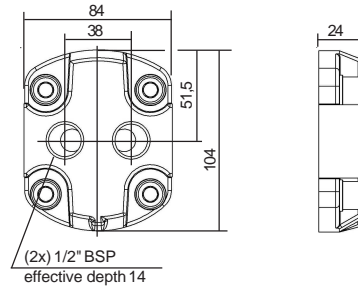
L

Standard



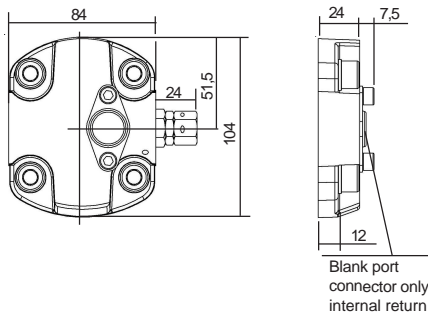
A

with ports



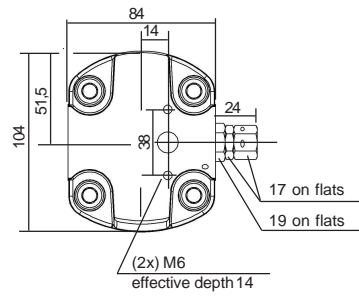
X

High pressure relief valve (Adjustable) Internal return



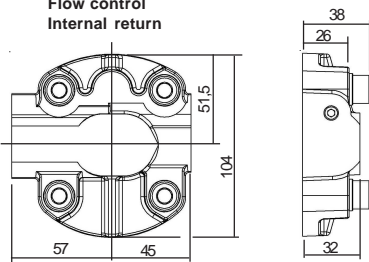
T

High pressure relief valve (Adjustable) External return



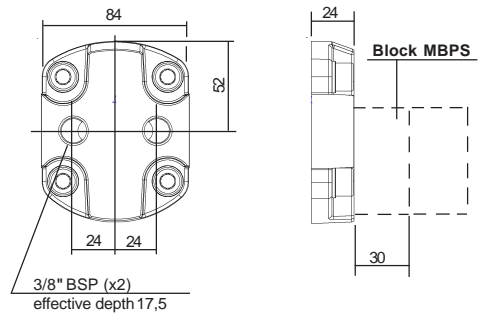
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1456 3/5

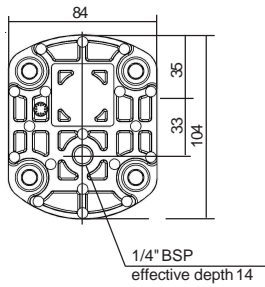


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

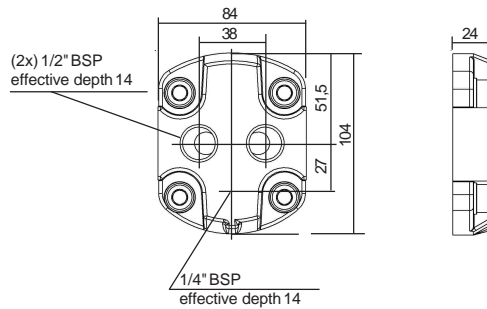
L

Standard



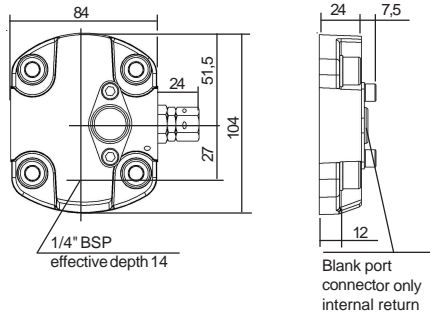
A

with ports



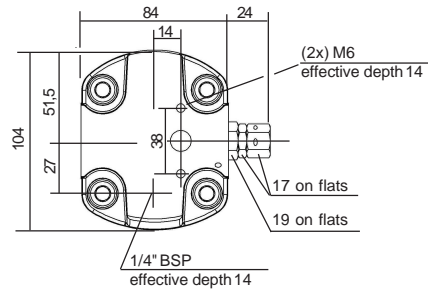
X

High pressure relief valve (Adjustable) Internal return



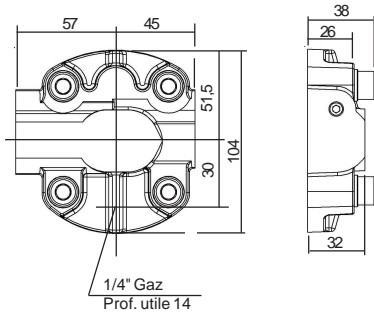
T

High pressure relief valve (Adjustable) External return



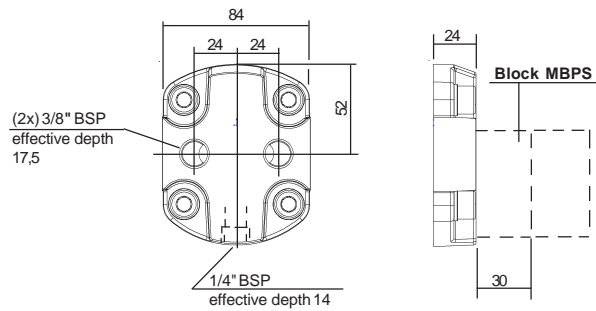
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1456 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

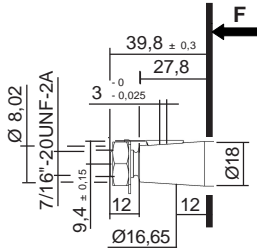


Consult us for availability

DRIVING SHAFT

Tapered
10

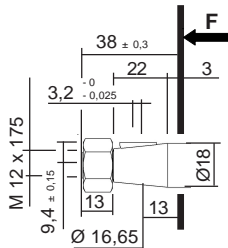
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

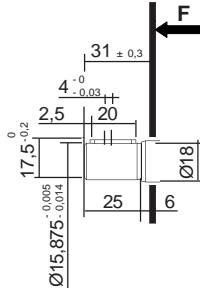


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

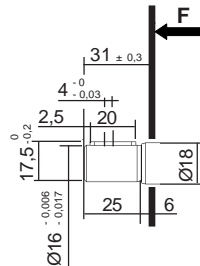
Straight keyed
20

A01



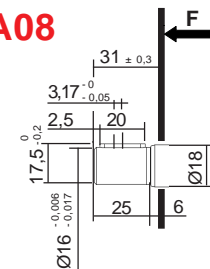
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

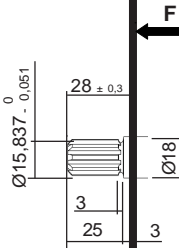
A08



Maxi transmissible torque
50 N.m

Splined
30

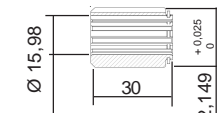
A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque
100 N.m

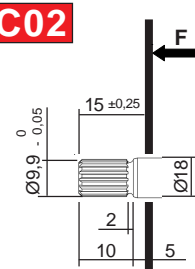
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

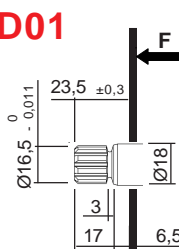
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01

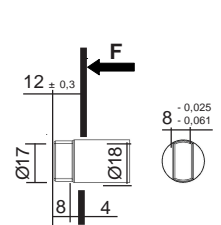


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

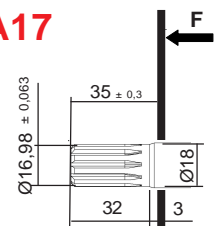
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

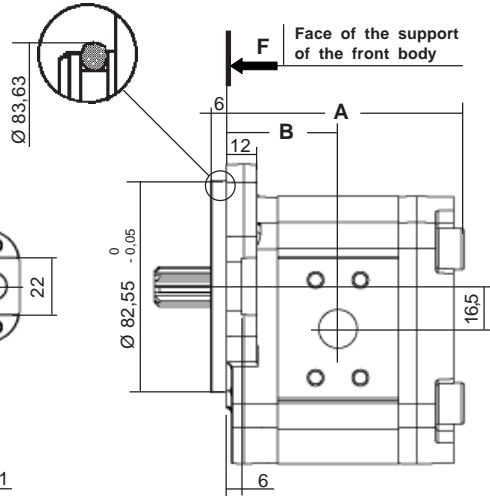
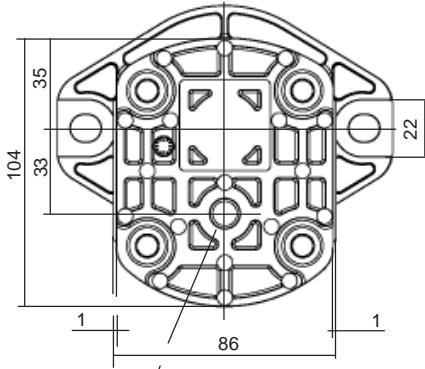
F.T 25 1456 5/5



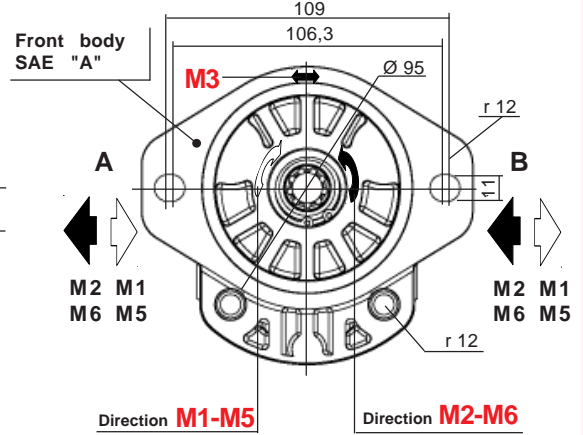
Consult us for availability

M II Sign **AAK** **25** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

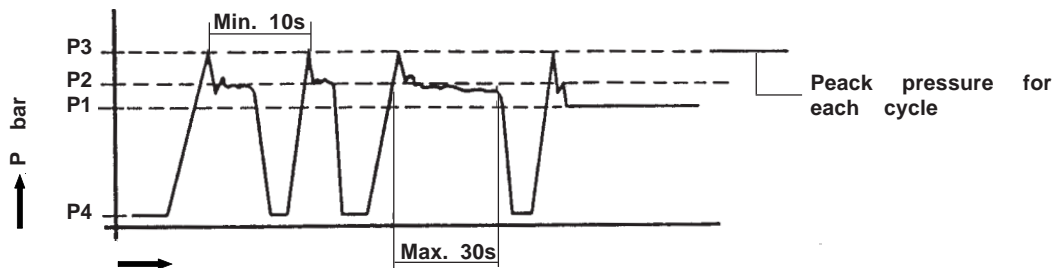
CHOICE of the Capacity	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

Seals kits:
M1 - M2
 Nitrile: K5069810 + K102901
 Viton: K5069820 + K104093
 (For manufacturer to since january 1984)
M3 - M5/M6
 Nitrile: K5071067 + K102901
 Viton: K5071068 + K104093
 (For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	///	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

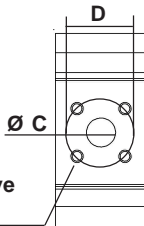
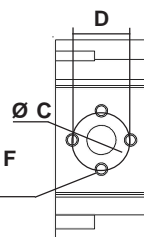
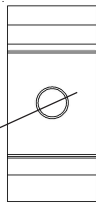
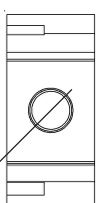
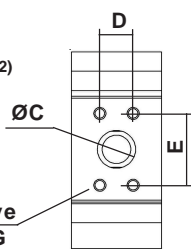

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



 Consult us for availability


CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

Capacity		AFFECTATION																
		1 way rotation without counter pressure					1 way rotation with counter pressure				2 ways rotation with counter pressure							
		M1		M2			M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET							
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
		C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A
B (Italian)		2512 to 2522		15	30		M6	13	23,5	40		M8	13	A	B	B	A	B
F (Threaded)			2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B
U (Threaded SAE J 475)			2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B
		2515 to 2522					1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20					
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

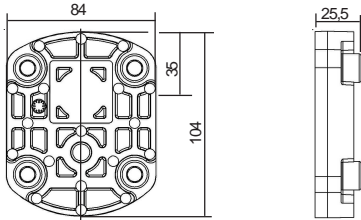
F.T 25 1457 2/5

 Consult us for availability

REAR BODIES for MOTORS M1 - M2

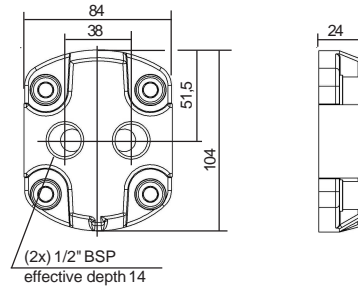
L

Standard



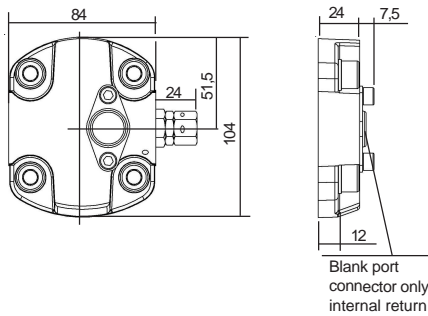
A

with ports



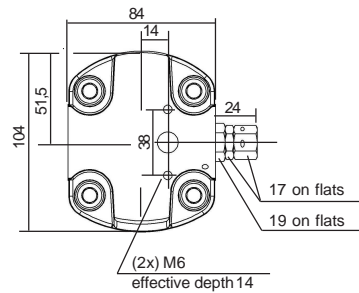
X

High pressure relief valve (Adjustable) Internal return



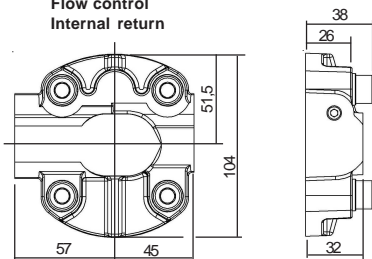
T

High pressure relief valve (Adjustable) External return



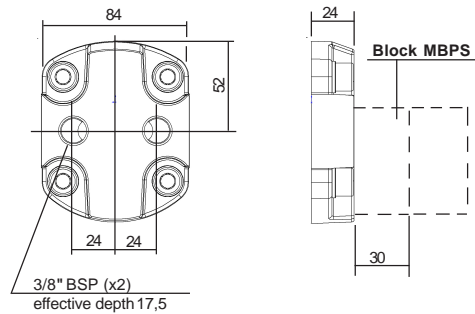
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1457 3/5

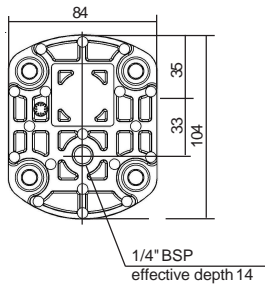


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

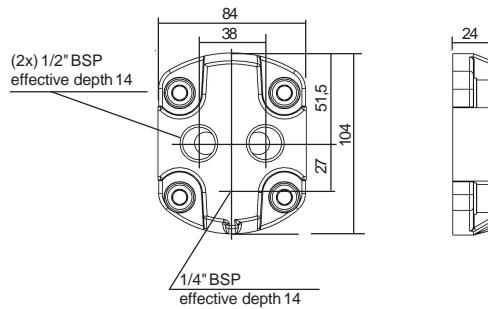
L

Standard



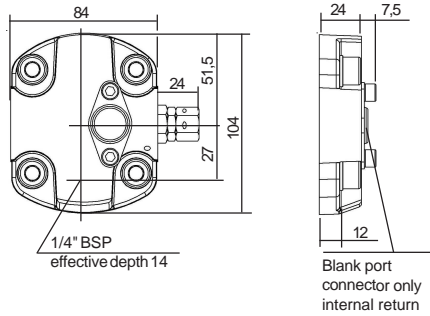
A

with ports



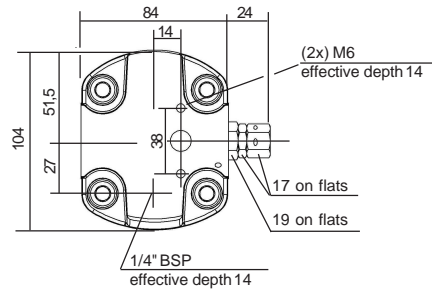
X

High pressure relief valve (Adjustable) Internal return



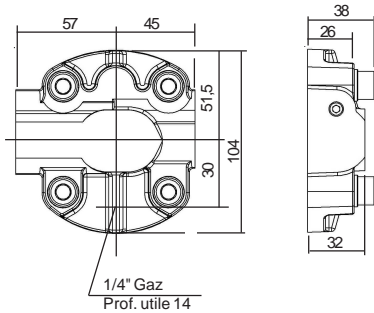
T

High pressure relief valve (Adjustable) External return



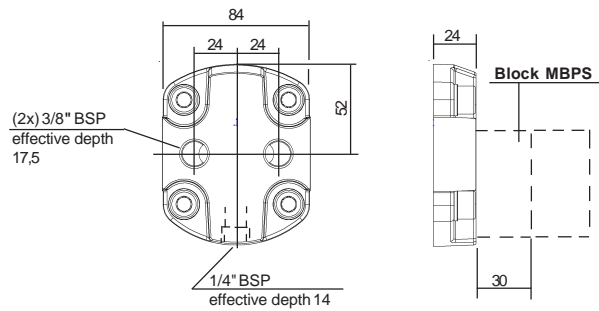
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1457 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

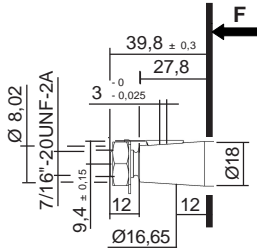


Consult us for availability

DRIVING SHAFT

Tapered
10

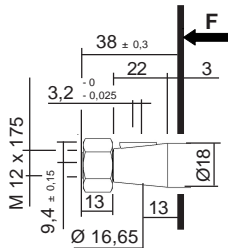
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

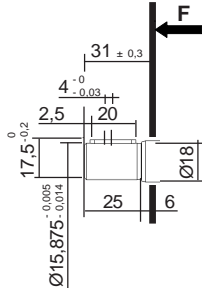


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

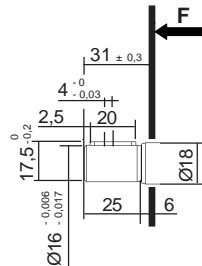
Straight keyed
20

A01



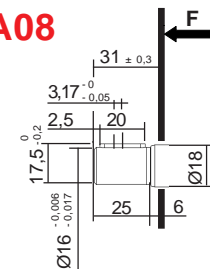
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

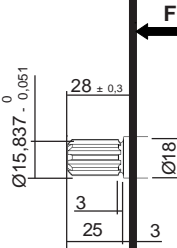
A08



Maxi transmissible torque
50 N.m

Splined
30

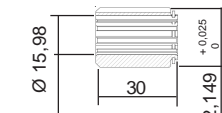
A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque
100 N.m

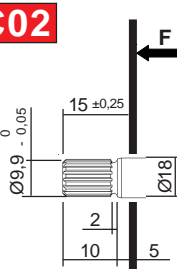
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

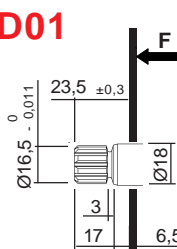
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01

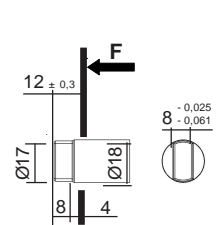


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

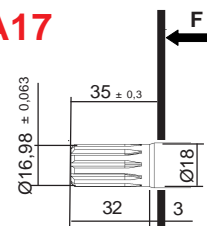
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1457 5/5

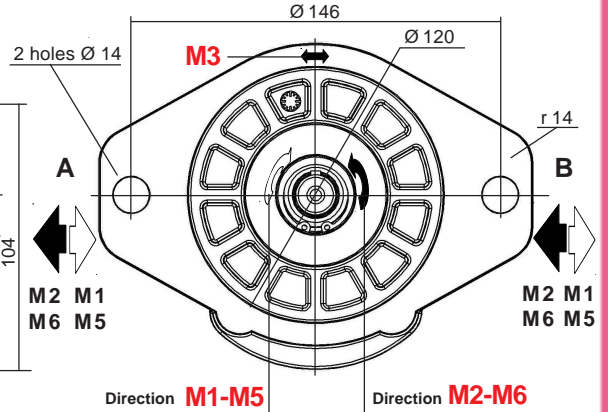
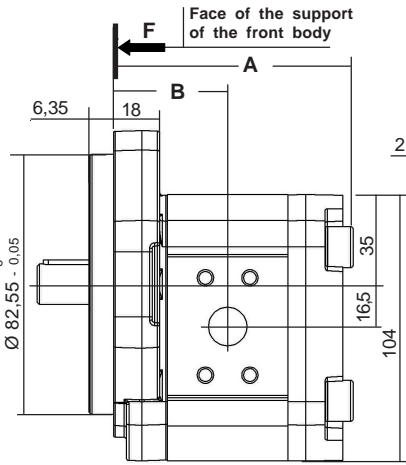
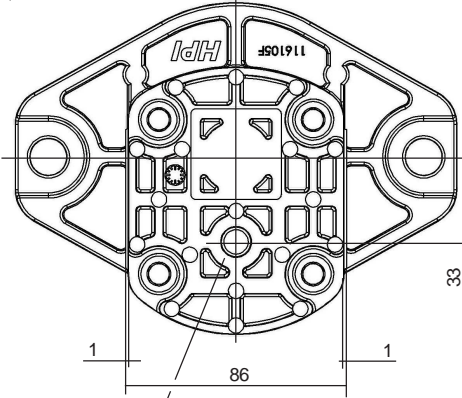


Consult us for availability

M II Sign AF N 25 VI Sign H L IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R 0243

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
12	108	52
15 - 17 - 18 - 22	124	60

Seals kits:

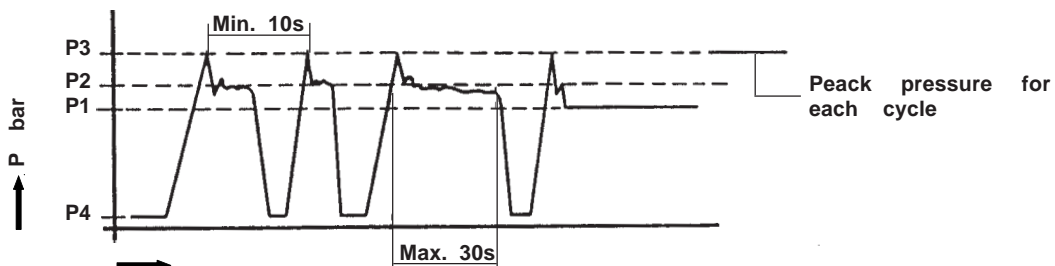
M1 - M2
Nitrile: K5069810 Viton: K5069820
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5071067 Viton: K5071068
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	///	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

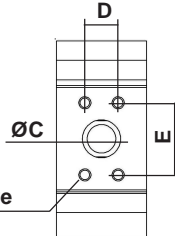
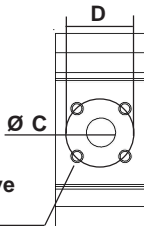
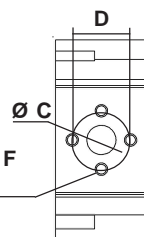
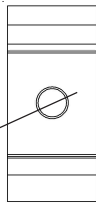
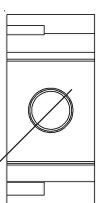
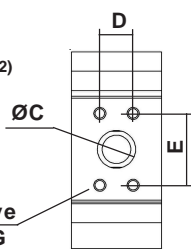



F.T 25 1458 1/5

Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure				2 ways rotation with counter pressure												
		M1		M2		M3												
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE							
		1 way rotation with counter pressure																
		M5		M6														
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET							
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
		2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1458 2/5

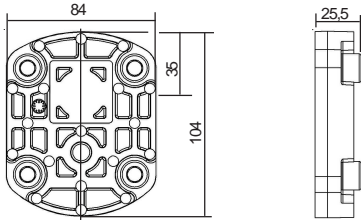


Consult us for availability

REAR BODIES for MOTORS M1 - M2

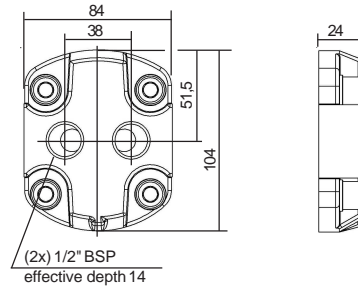
L

Standard



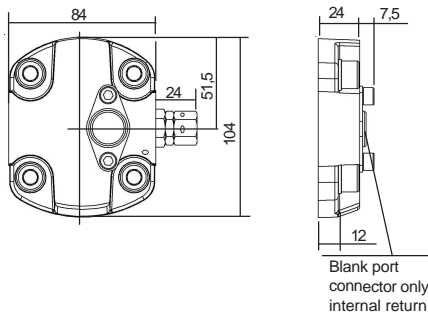
A

with ports



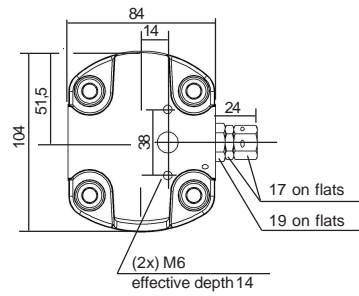
X

High pressure relief valve (Adjustable) Internal return



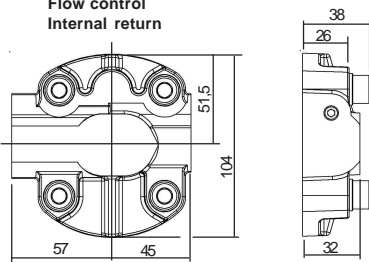
T

High pressure relief valve (Adjustable) External return



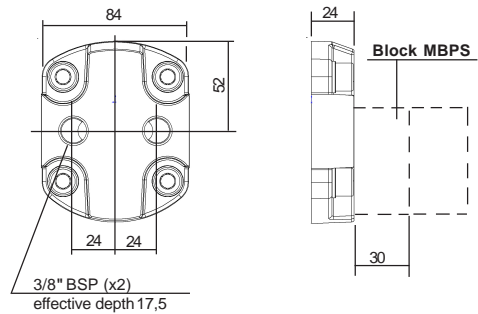
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1458 3/5

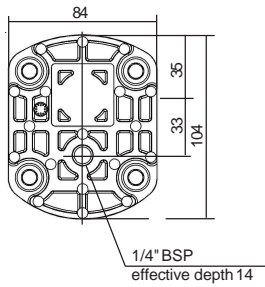


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

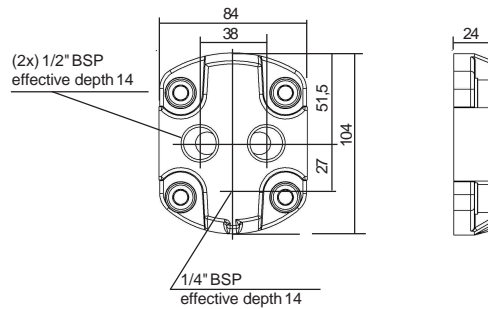
L

Standard



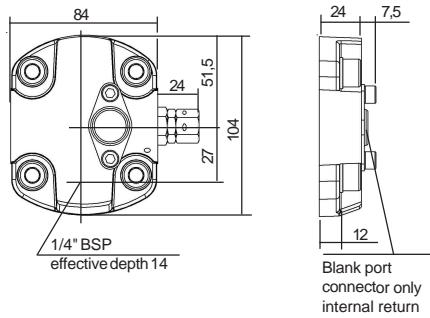
A

with ports



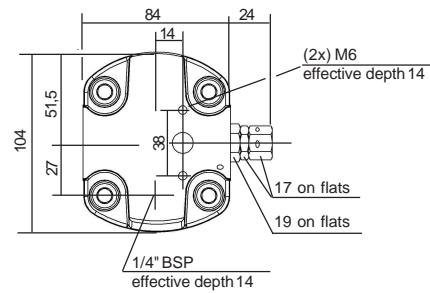
X

High pressure relief valve (Adjustable) Internal return



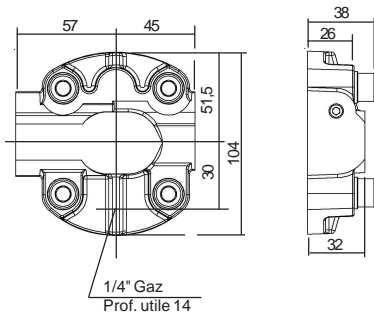
T

High pressure relief valve (Adjustable) External return



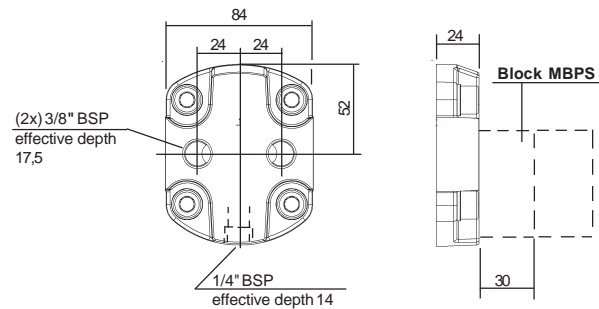
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1458 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

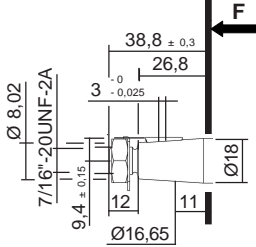


Consult us for availability

DRIVING SHAFT

Tapered
10

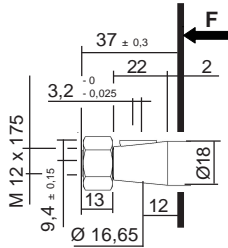
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

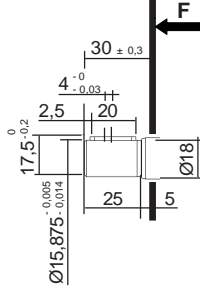


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

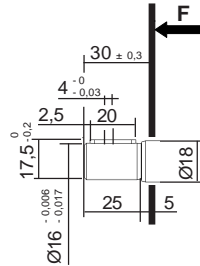
Straight keyed
20

A01



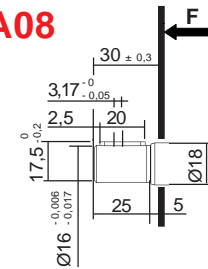
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

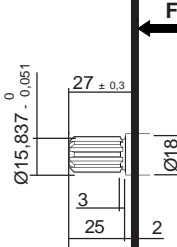
A08



Maxi transmissible torque
50 N.m

Splined
30

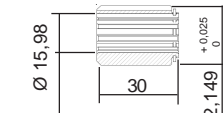
A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque
100 N.m

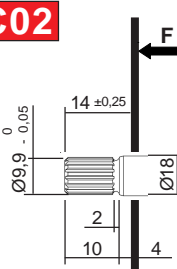
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

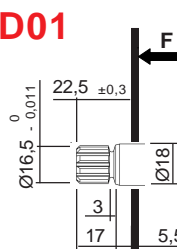
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01

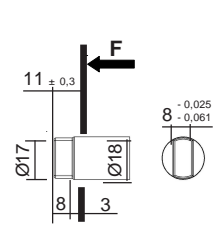


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

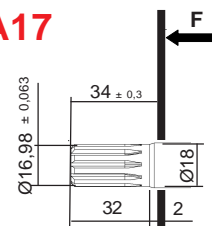
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

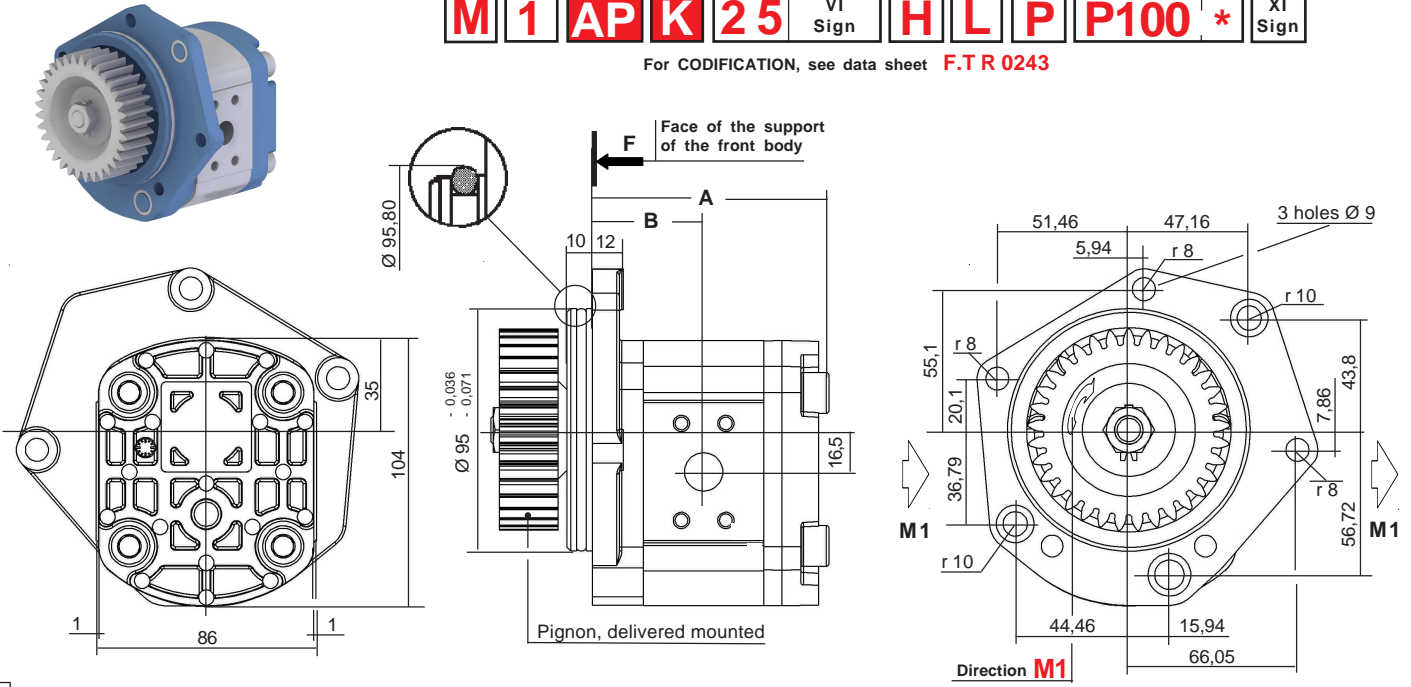
F.T 25 1458 5/5



Consult us for availability

M 1 **AP K** **25** VI Sign **H L P** **P100** * XI Sign

For CODIFICATION, see data sheet **F.T R 0243**



Dimensions readings and approximative characteristics subject to modifications.

CHOICE of the PIGNONS		
	Type 1000	Type 1100
Nb teeth:	28	33
Module:	2,54	2,17
Pressure angle:	20°	17°
Angle of the helix:	14°8'	14°
Way of the helix:	left	left

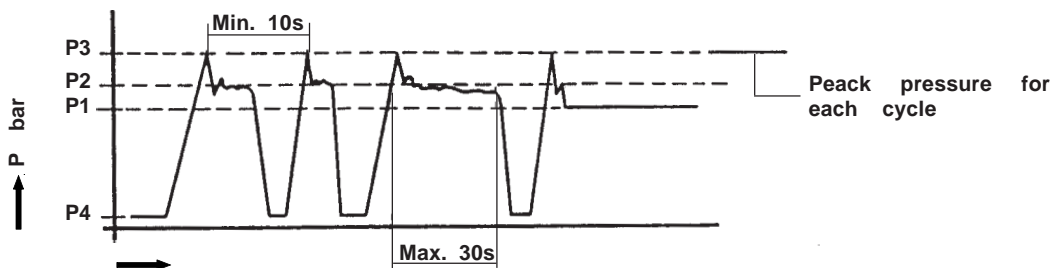
CHOICE of the Capacity	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

Seals kits:
M1
 Nitrile: **K5069810 + X368928**
 Viton: **K5069820**
 (For manufacturer to since january 1984)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	///	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

	Capacity	INLET					OUTLET								
		ØC	D	E	ØF	G	ØC	D	E	ØF	G				
		<p>H (HPI)</p> <p>Ø F effective depth G</p>	2512 to 2522	15	17,4	38	M6	12	26	47,6	22,4	M6	12		
<p>C (Square)</p> <p>Ø F effective depth G</p>	2512 to 2522	15	35		M6	12	20	40		M6	12				
<p>B (Italian)</p> <p>4 holes Ø F effective depth G</p>	2512 to 2522	15	30		M6	13	23,5	40		M8	13				
<p>F (Threaded)</p> <p>Ø F effective depth G</p>	2512 to 2522									1/2" BSP	14			1" BSP	18
<p>U (Threaded SAE J475)</p> <p>Ø F effective depth G</p>	2512									7/8" 14 UNF 2B	17			1"5/16 12 UNF 2B	20
	2515 to 2522									1"1/16 12 UNF 2B	20			1"5/16 12 UNF 2B	20
<p>Y (ISO 6162)</p> <p>Ø F effective depth G</p>	2512	15	17,4	38	M8	14	26	47,6	22,4	M10	14				
	2515 to 2522	15	17,4	38	M8	14	15	52,4	26,2	M10	14				

Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1459 2/4

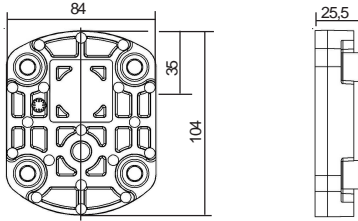


Consult us for availability

REAR BODIES for MOTORS M1 - M2

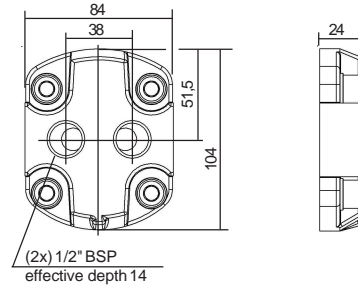
L

Standard



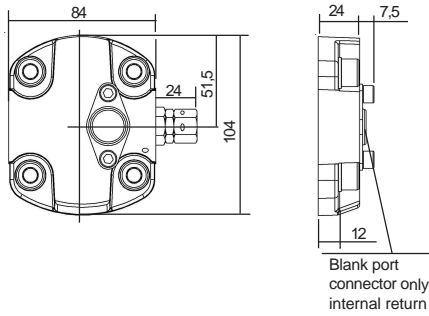
A

with ports



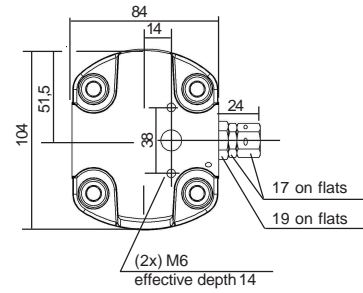
X

High pressure relief valve (Adjustable) Internal return



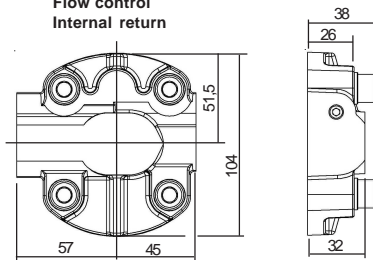
T

High pressure relief valve (Adjustable) External return



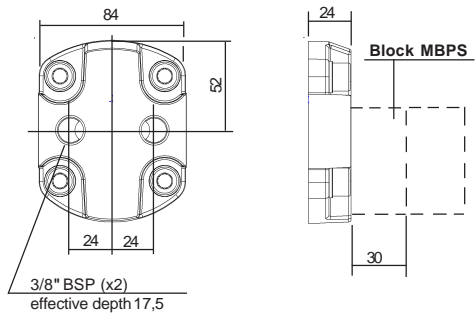
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1459 3/4



Consult us for availability

DRIVING SHAFT

Tapered	Straight keyed	Splined	Tang
10	20	30	40

B02 Cône 1 / 8

Delivered with nut: K100841

Maxi transmissible torque
250 N.m

Dimensions readings and approximative characteristics subject to modifications.

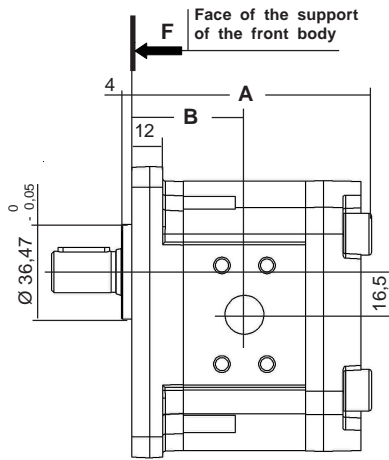
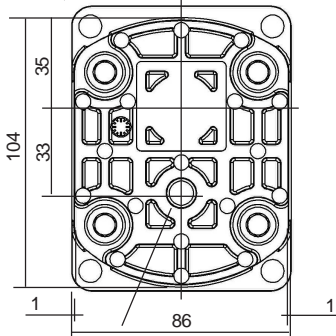
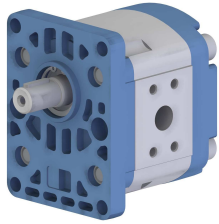
F.T 25 1459 4/4



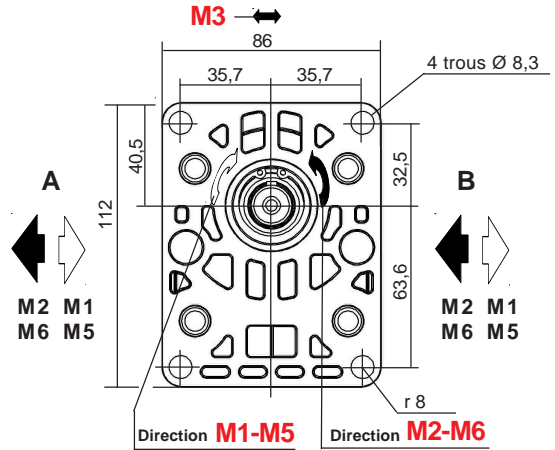
Consult us for availability

M II Sign **BAN 25** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

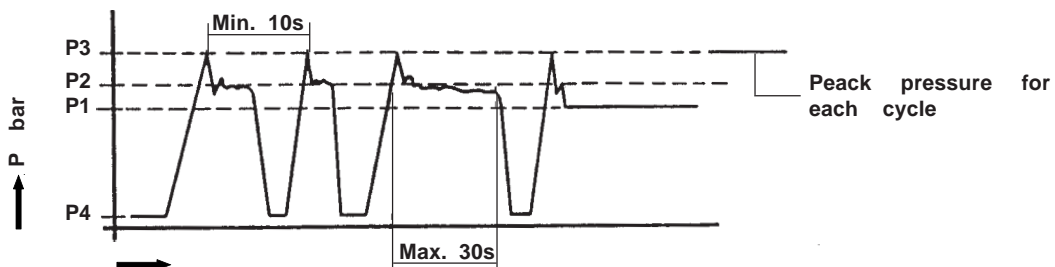
CHOICE of the Capacity	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

Seals kits:
M1 - M2
Nitrile: **K5069810** Viton: **K5069820**
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: **K5071067** Viton: **K5071068**
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

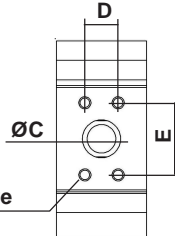
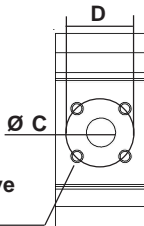
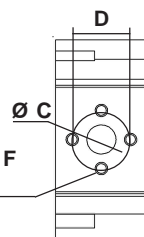
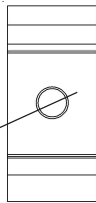
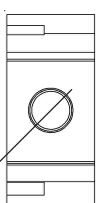

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					1 way rotation with counter pressure				2 ways rotation with counter pressure							
		M1		M2			M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE					
Capacity	INLET	OUTLET					INLET		OUTLET		INLET		OUTLET					
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET			
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
		2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

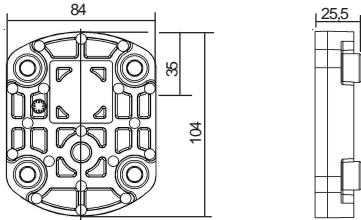
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1460 2/5

REAR BODIES for MOTORS M1 - M2

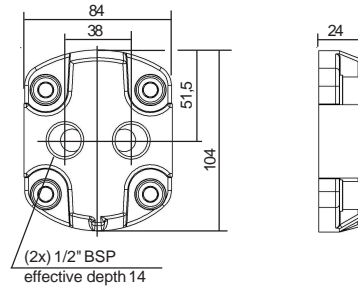
L

Standard



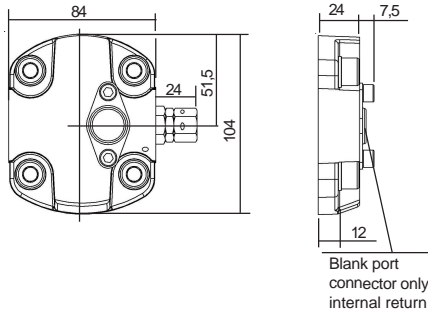
A

with ports



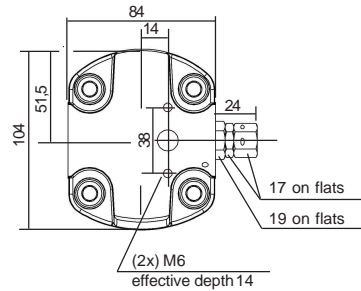
X

High pressure relief valve (Adjustable) Internal return



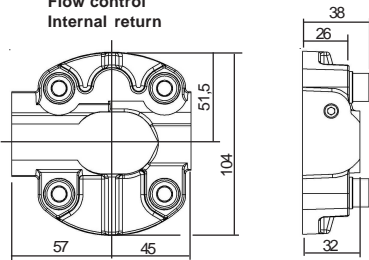
T

High pressure relief valve (Adjustable) External return



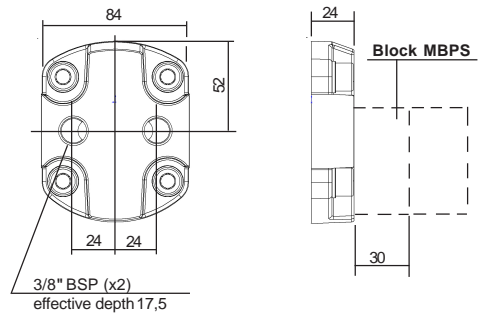
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1460 3/5

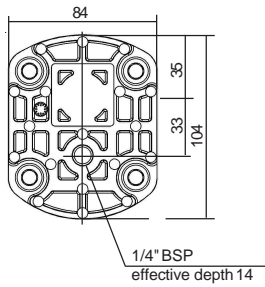


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

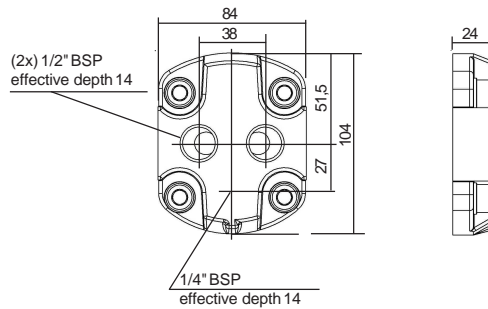
L

Standard



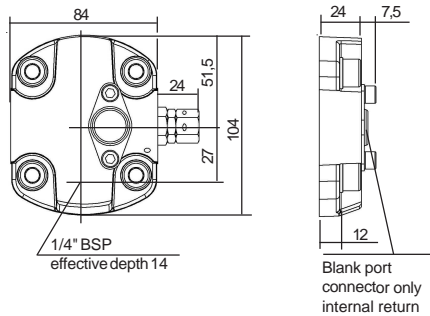
A

with ports



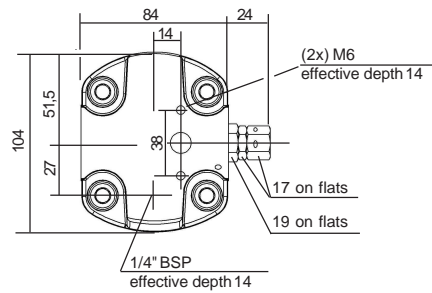
X

High pressure relief valve (Adjustable) Internal return



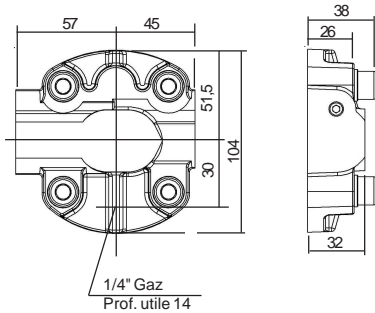
T

High pressure relief valve (Adjustable) External return



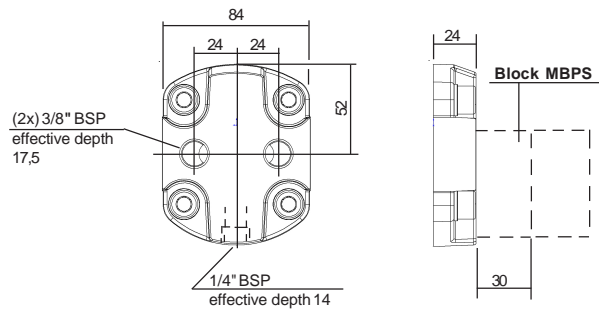
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1460 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

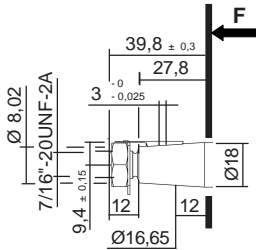


Consult us for availability

DRIVING SHAFT

Tapered
10

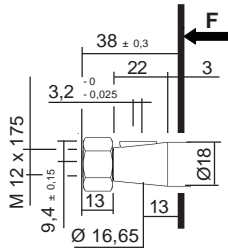
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

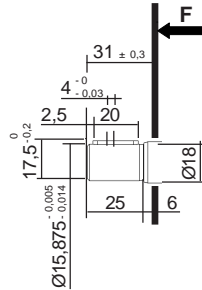


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

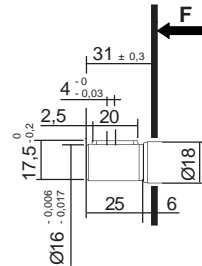
Straight keyed
20

A01



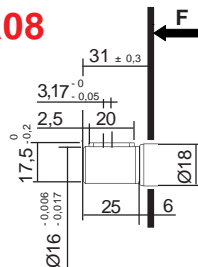
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

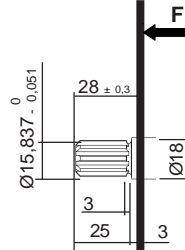
A08



Maxi transmissible torque
50 N.m

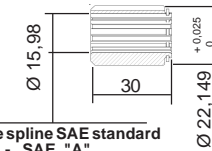
Splined
30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle
Maxi transmissible torque
100 N.m

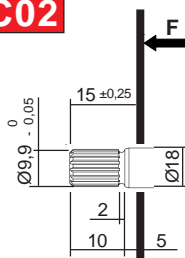
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

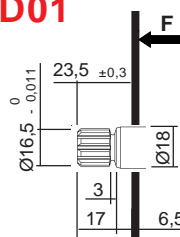
Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks
Maxi transmissible torque
100 N.m

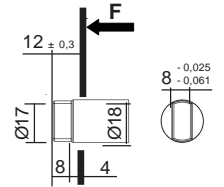
D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks
Maxi transmissible torque
100 N.m

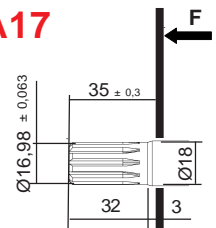
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle
Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

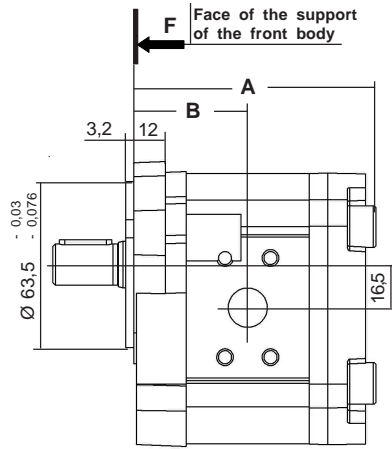
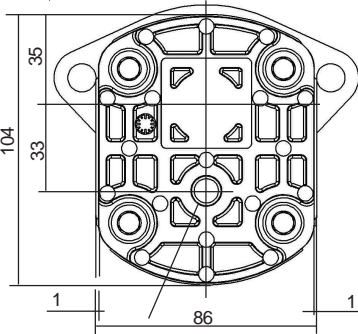
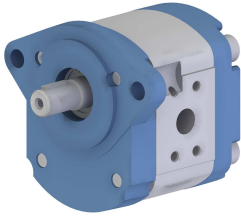
F.T 25 1460 5/5



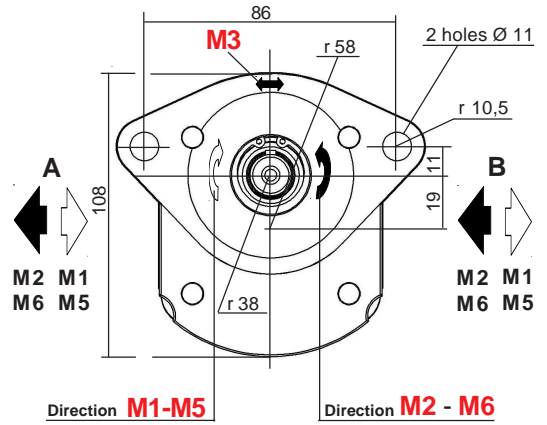
Consult us for availability

M II Sign **CAN** 25 VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

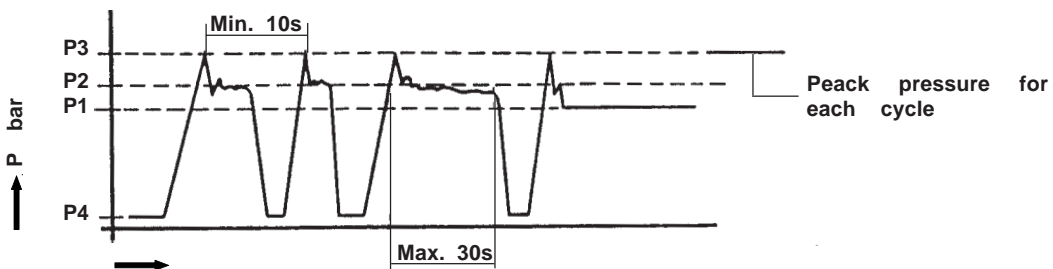
CHOICE of the Capacity	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

Seals kits:
M1 - M2
Nitrile: **K5069810** Viton: **K5069820**
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: **K5071067** Viton: **K5071068**
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

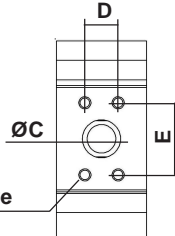
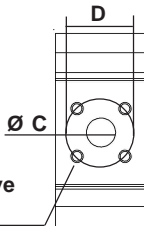
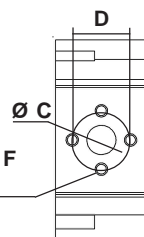
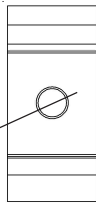
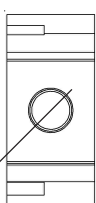
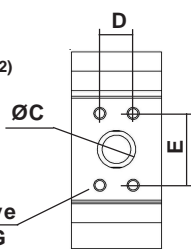



Consult us for availability

F.T 25 1461 1/5


CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					2 ways rotation with counter pressure											
		M1		M2			M5		M6			M3						
		ENTREE	SORTIE	ENTREE	SORTIE		INLET	OUTLET	INLET	OUTLET		INLET	OUTLET					
		1 way rotation with counter pressure																
		M5		M6														
		INLET	OUTLET	INLET	OUTLET		INLET	OUTLET	INLET	OUTLET		INLET	OUTLET					
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
		2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

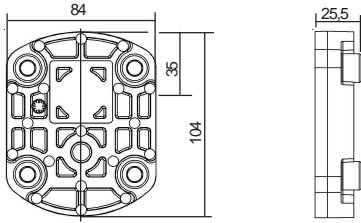
F.T 25 1461 2/5

 Consult us for availability

REAR BODIES for MOTORS M1 - M2

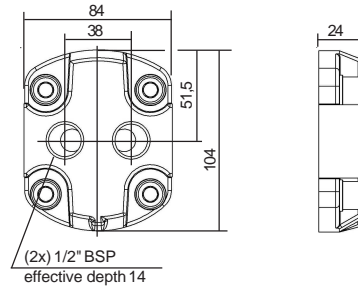
L

Standard



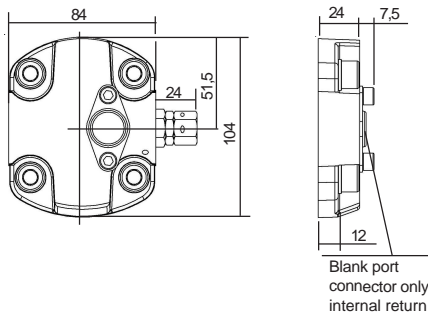
A

with ports



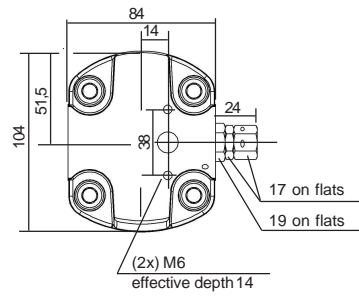
X

High pressure relief valve (Adjustable) Internal return



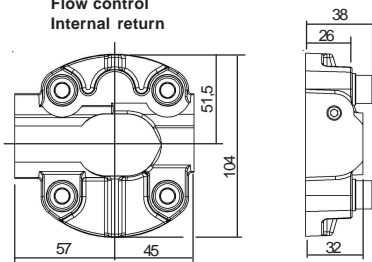
T

High pressure relief valve (Adjustable) External return



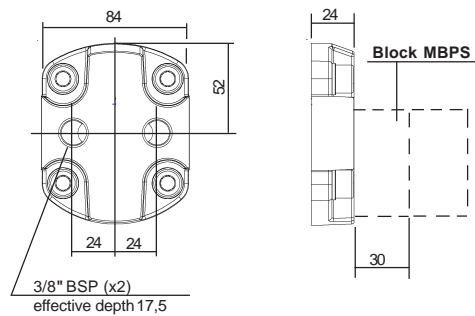
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1461 3/5

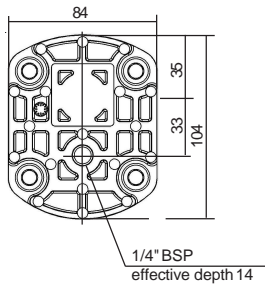


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

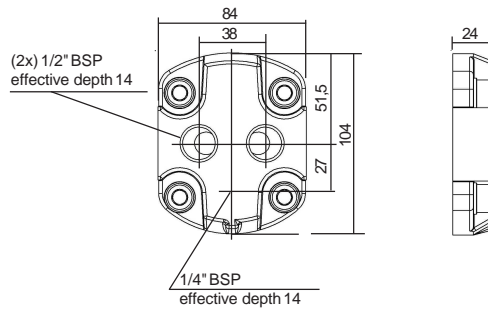
L

Standard



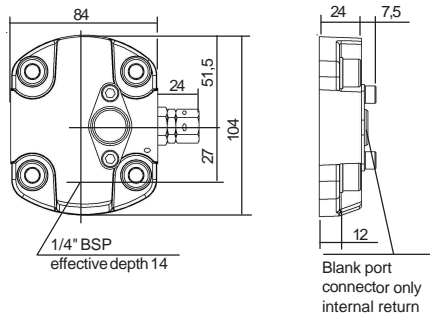
A

with ports



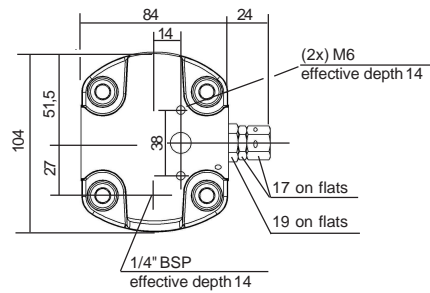
X

High pressure relief valve (Adjustable) Internal return



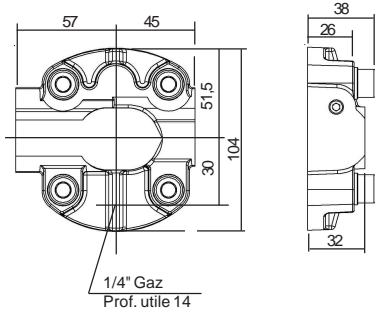
T

High pressure relief valve (Adjustable) External return



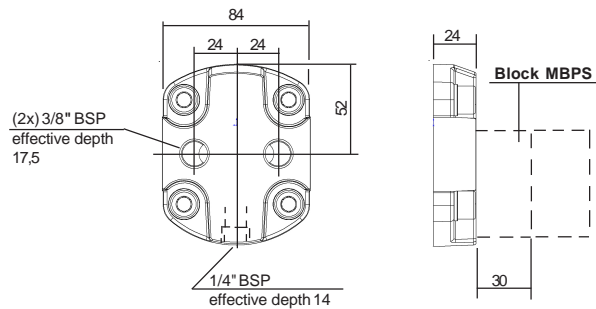
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1461 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

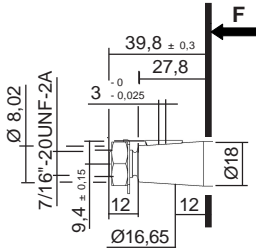


Consult us for availability

DRIVING SHAFT

Tapered
10

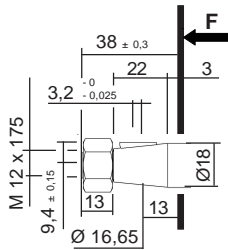
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

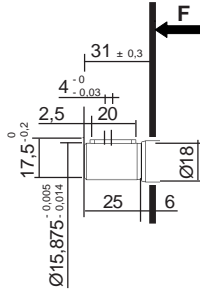


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

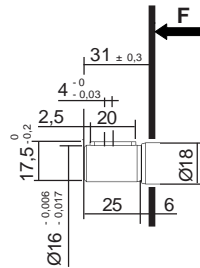
Straight keyed
20

A01



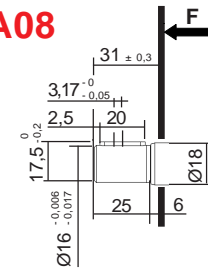
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

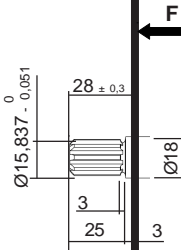
A08



Maxi transmissible torque
50 N.m

Splined
30

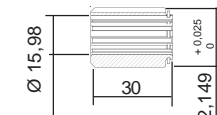
A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque
100 N.m

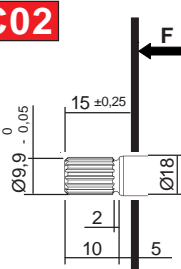
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

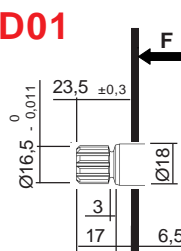
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01

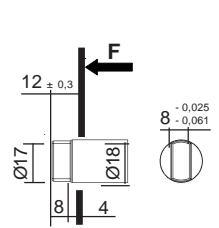


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

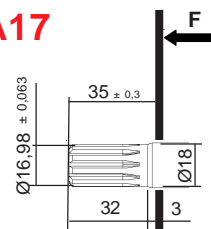
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1461 5/5

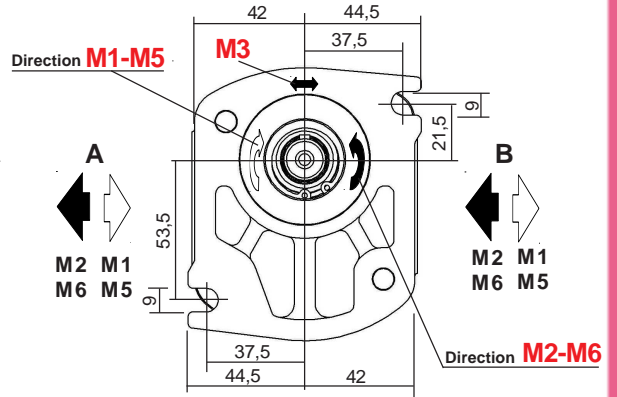
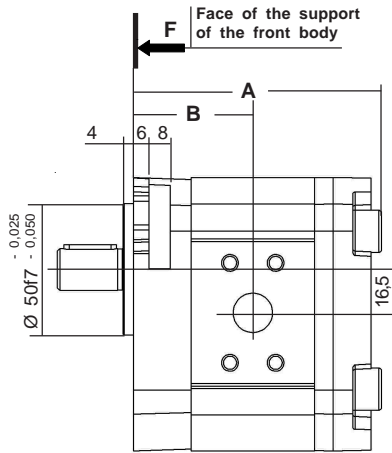
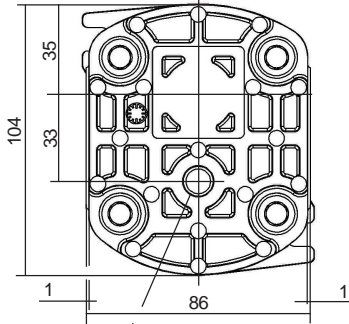
Consult us for availability

M II Sign **CE N 25** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
12	109	53
15 - 17 - 18 - 22	125	61

Seals kits:

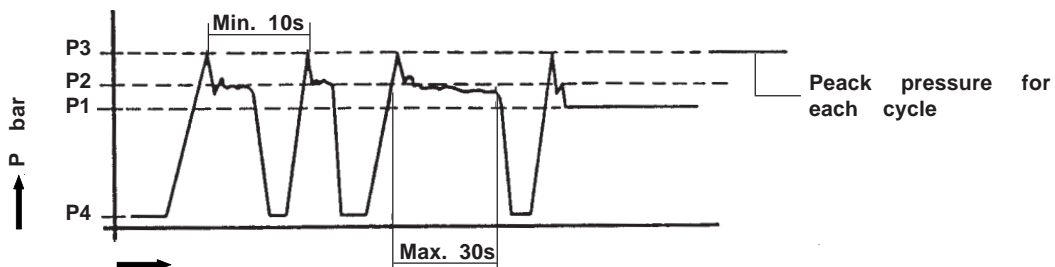
M1 - M2
Nitrile: **K5069810** Viton: **K5069820**
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: **K5071067** Viton: **K5071068**
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



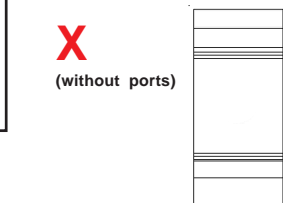
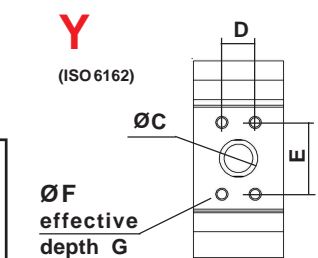
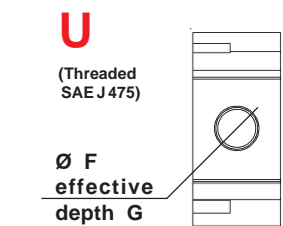
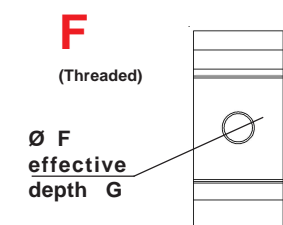
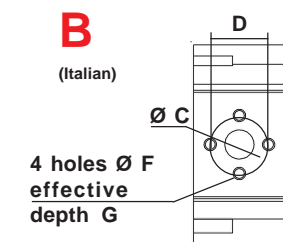
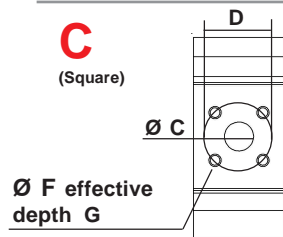
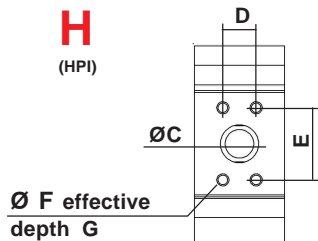
Consult us for availability

F.T 25 1462 1/5

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

Capacity		AFFECTATION														
		1 way rotation without counter pressure				2 ways rotation with counter pressure				M3						
		M1		M2		M5		M6								
		ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET					
INLET		OUTLET		INLET		OUTLET		INLET		OUTLET						
2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
											B	A	A	B	A	
2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
											B	A	A	B	A	
2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
											B	A	A	B	A	
2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
											B	A	A	B	A	
2512				7/8" 14 UNF 2B	17				1" 5/16 12 UNF	20	A	B	B	A	B	A
											B	A	A	B	A	
2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
											B	A	A	B	A	
2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
											B	A	A	B	A	
2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
											B	A	A	B	A	
2512 to 2522	Only with rear body Type A															



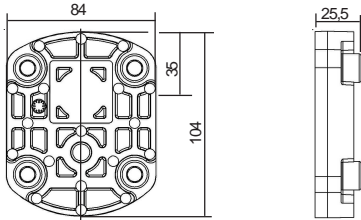
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1462 2/5

REAR BODIES for MOTORS M1 - M2

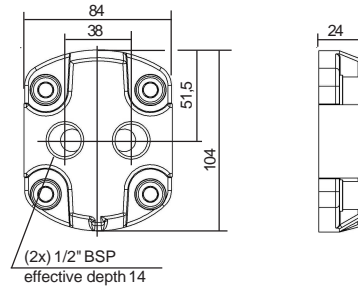
L

Standard



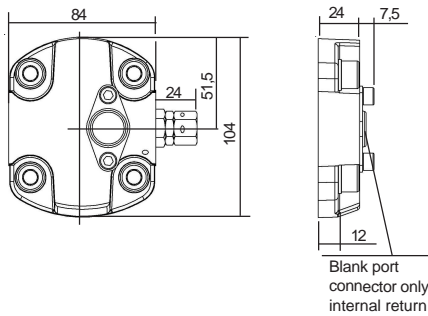
A

with ports



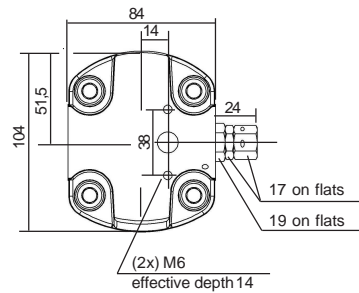
X

High pressure relief valve
(Adjustable) Internal return



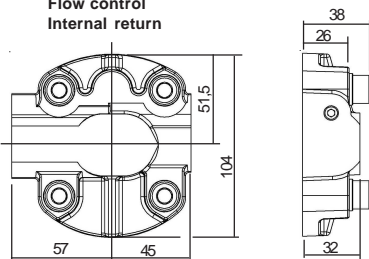
T

High pressure relief valve
(Adjustable) External return



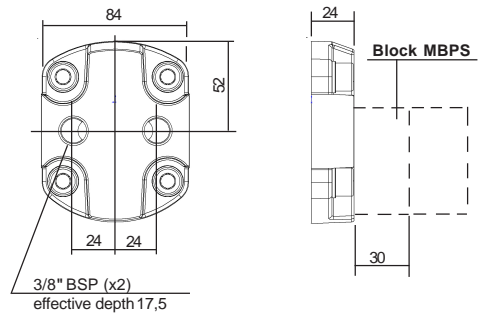
Q

Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1462 3/5

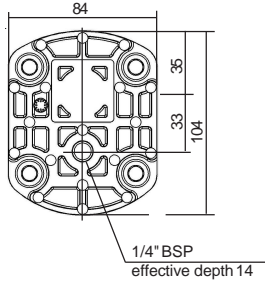


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

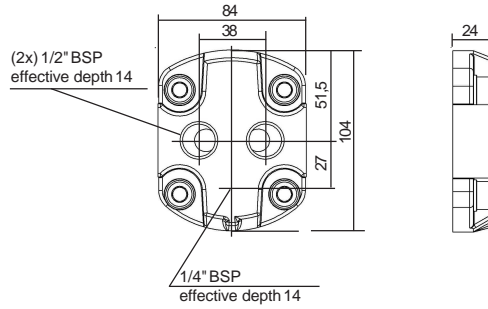
L

Standard



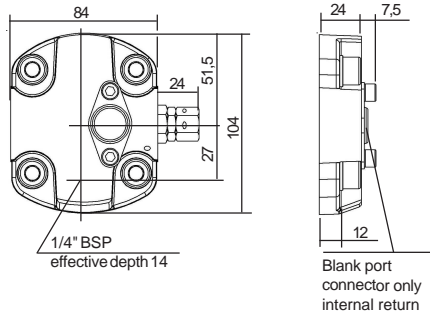
A

with ports



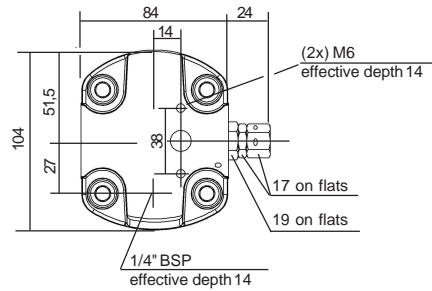
X

High pressure relief valve (Adjustable) Internal return



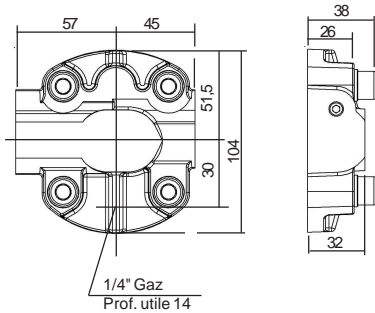
T

High pressure relief valve (Adjustable) External return



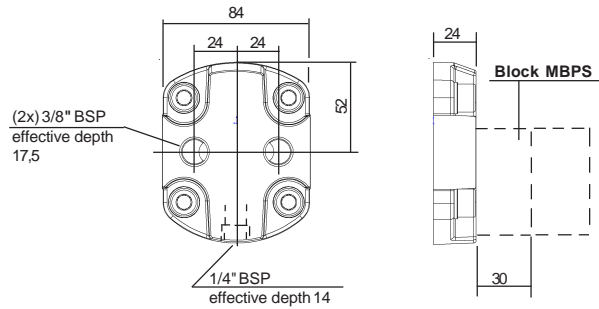
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1462 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



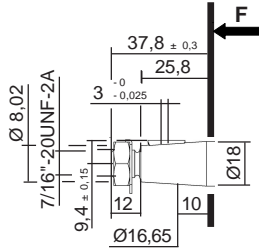
Consult us for availability

DRIVING SHAFTS

Tapered

10

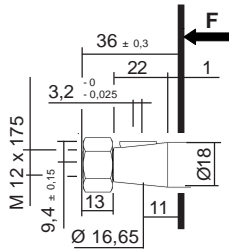
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5



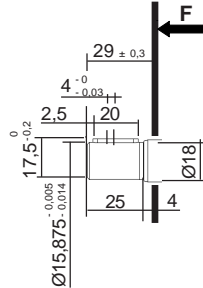
Delivered with nut: K106317

Maxi transmissible torque
220 N.m

Straight keyed

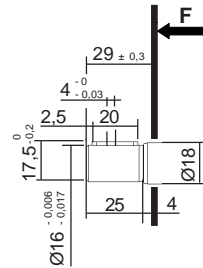
20

A01



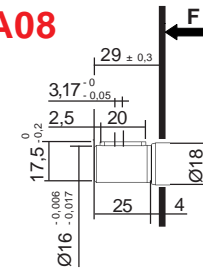
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

A08

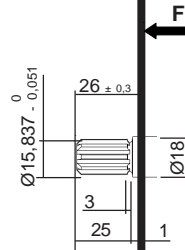


Maxi transmissible torque
50 N.m

Splined

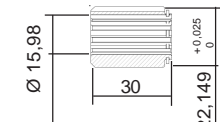
30

A01



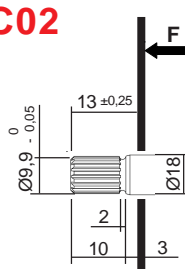
Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle
Maxi transmissible torque
100 N.m

Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft **30 A01**



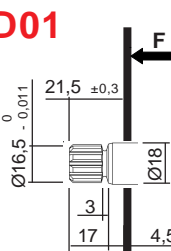
Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle
Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks
Maxi transmissible torque
100 N.m

D01

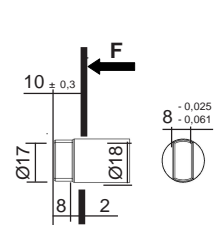


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks
Maxi transmissible torque
100 N.m

Tang

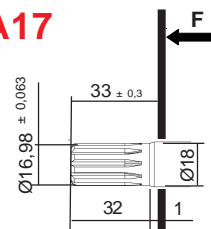
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle
Maxi transmissible torque
100 N.m

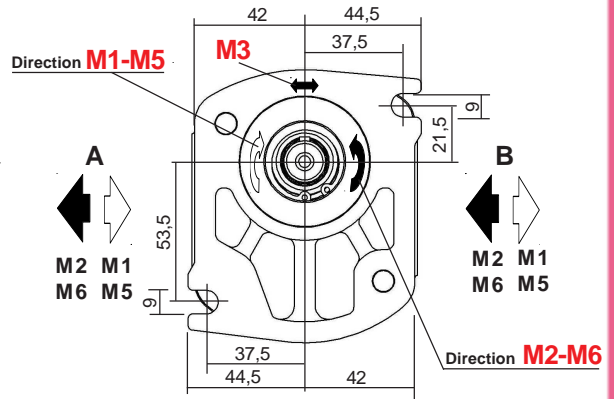
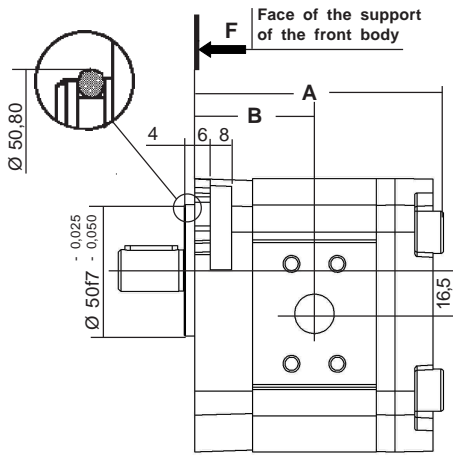
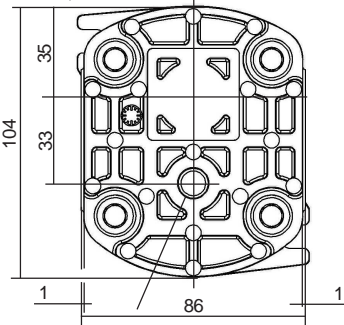
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1462 5/5

Consult us for availability

M II Sign CEK 25 VI Sign HL IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T R 0243



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

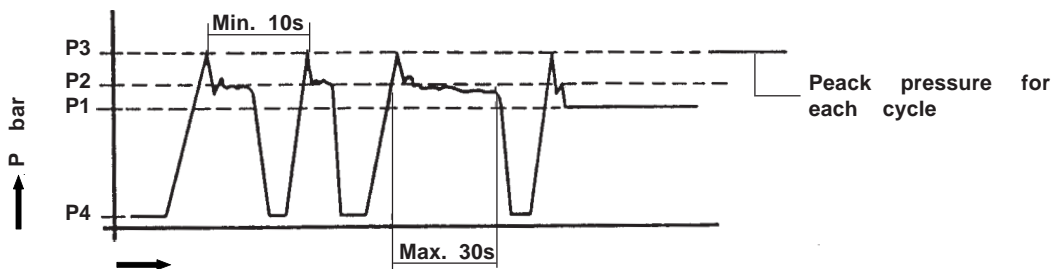
CHOICE of the Capacity	Dimensions	
	A	B
12	109	53
15 - 17 - 18 - 22	125	61

Seals kits:
M1 - M2
Nitrile: K5069810 + K102238
Viton: K5069820
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: K5071067 + K102238
Viton: K5071068
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)

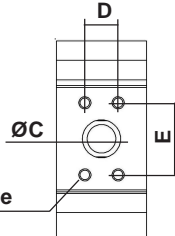
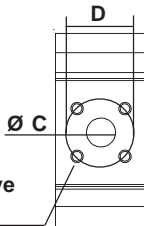
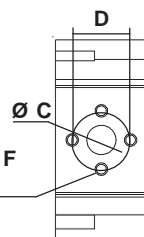
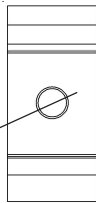
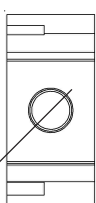
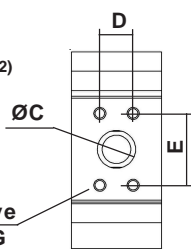



 Consult us for availability

F.T 25 1463 1/5


CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					2 ways rotation with counter pressure											
		M1		M2			M3		M5		M6							
		ENTREE	SORTIE	ENTREE	SORTIE		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE						
		1 way rotation with counter pressure				1 way rotation with counter pressure				2 ways rotation with counter pressure								
		M5		M6		M3		M5		M6		M3						
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET					
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
		2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

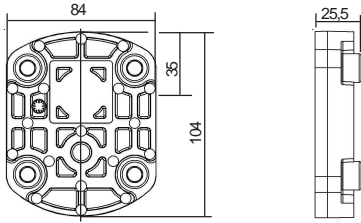
F.T 25 1463 2/5

 Consult us for availability

REAR BODIES for MOTORS M1 - M2

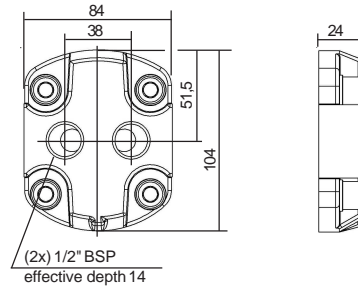
L

Standard



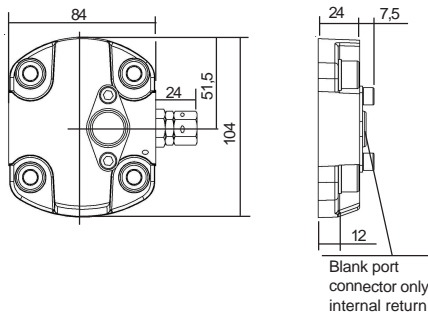
A

with ports



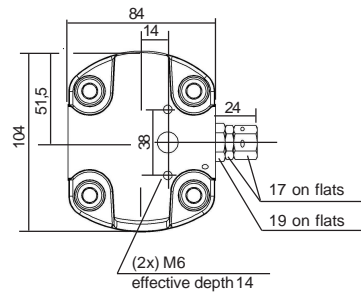
X

High pressure relief valve (Adjustable) Internal return



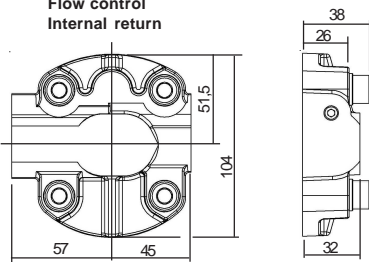
T

High pressure relief valve (Adjustable) External return



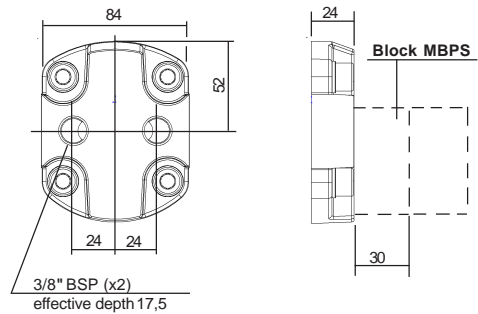
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1463 3/5

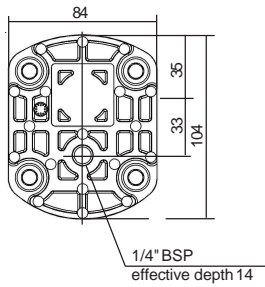


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

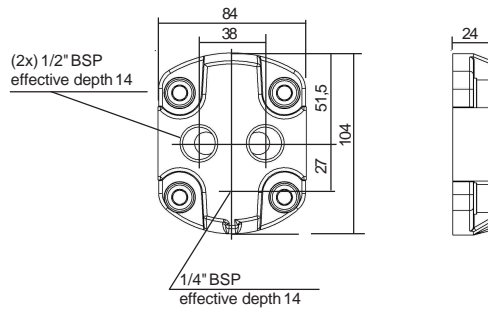
L

Standard



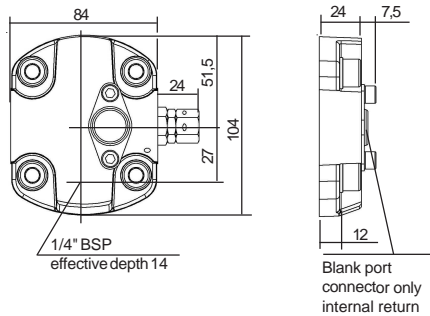
A

with ports



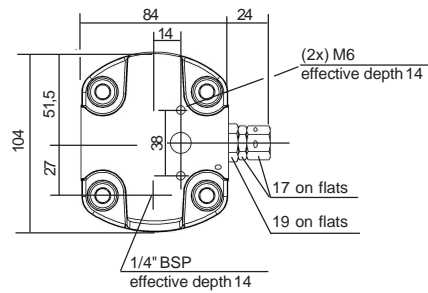
X

High pressure relief valve (Adjustable) Internal return



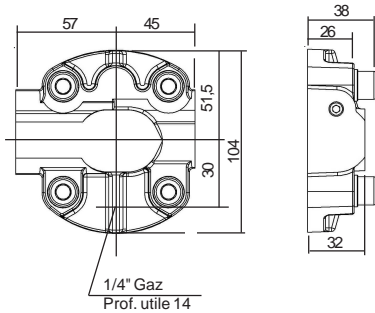
T

High pressure relief valve (Adjustable) External return



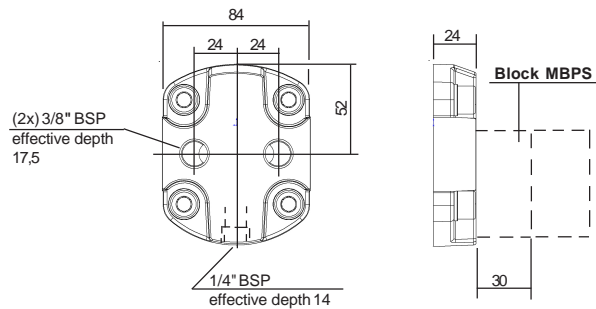
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1463 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



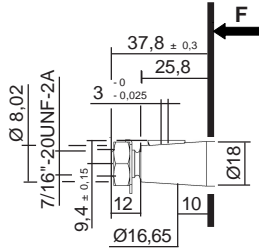
Consult us for availability

DRIVING SHAFTS

Tapered

10

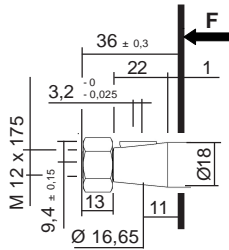
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5



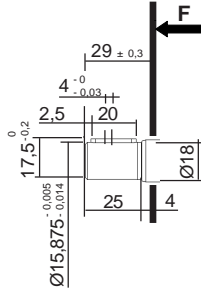
Delivered with nut: K106317

Maxi transmissible torque
220 N.m

Straight keyed

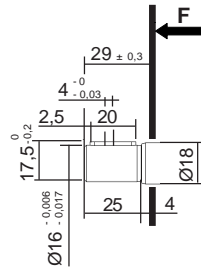
20

A01



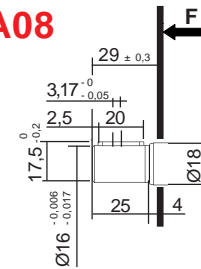
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

A08

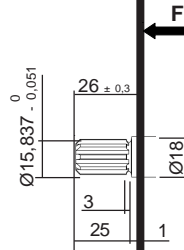


Maxi transmissible torque
50 N.m

Splined

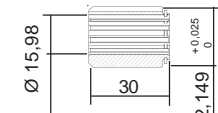
30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle
Maxi transmissible torque
100 N.m

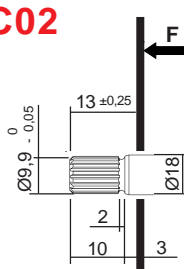
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splined shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

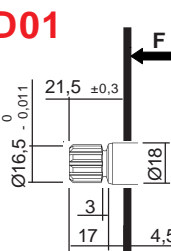
Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks
Maxi transmissible torque
100 N.m

D01

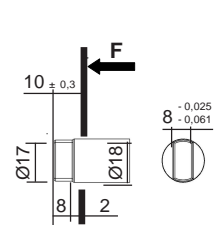


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks
Maxi transmissible torque
100 N.m

Tang

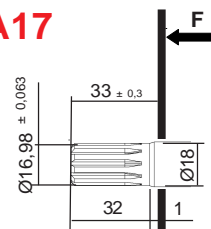
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle
Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

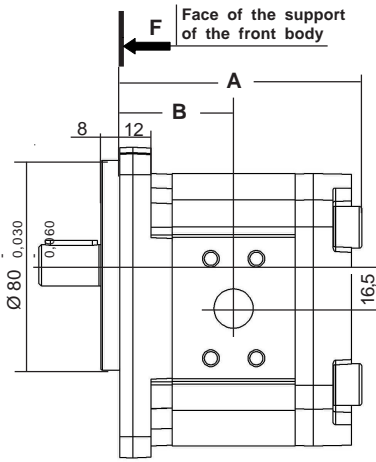
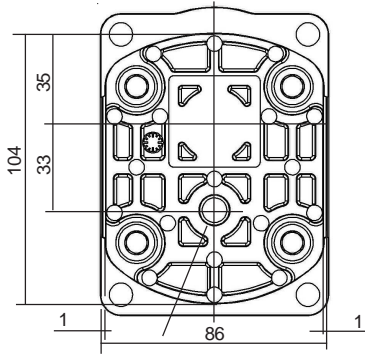
F.T 25 1463 5/5



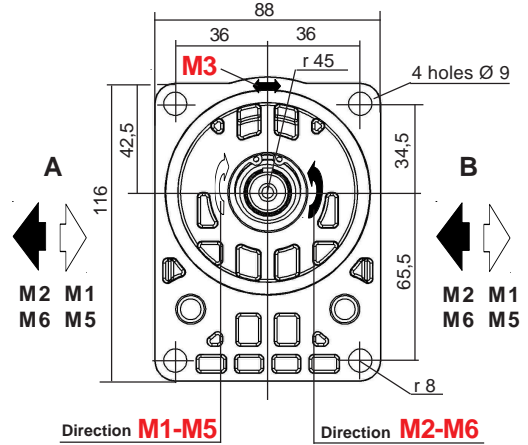
Consult us for availability

M II Sign **DB N 25** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

Seals kits:

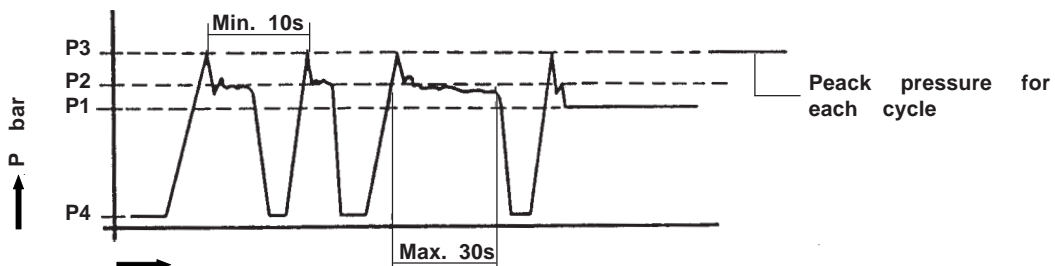
M1 - M2
Nitrile: **K5069810** Viton: **K5069820**
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: **K5071067** Viton: **K5071068**
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

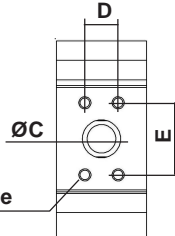
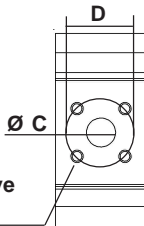
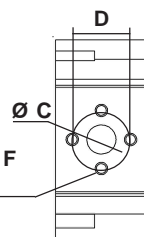
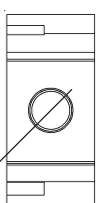

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					2 ways rotation with counter pressure											
		M1		M2			M3		M5		M6							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE							
		1 way rotation with counter pressure				1 way rotation with counter pressure				M3								
		M5		M6		M3		M5		M6								
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET							
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
		2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

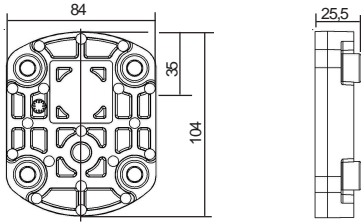
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1464 2/5

REAR BODIES for MOTORS M1 - M2

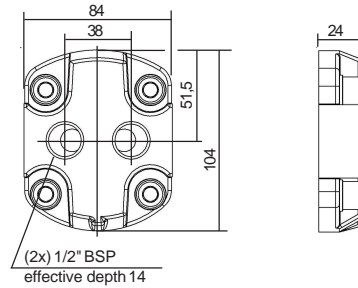
L

Standard



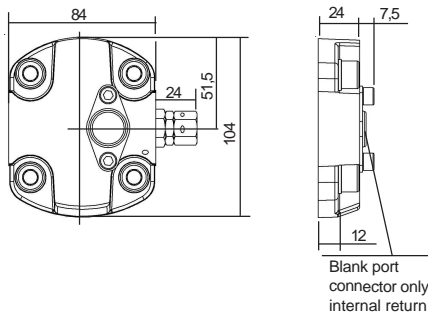
A

with ports



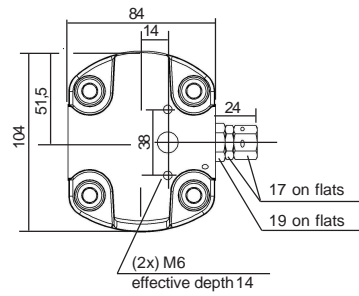
X

High pressure relief valve (Adjustable) Internal return



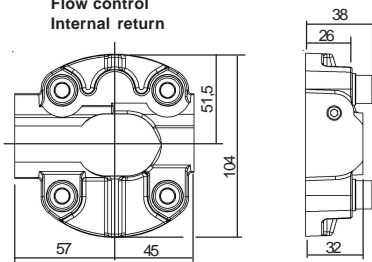
T

High pressure relief valve (Adjustable) External return



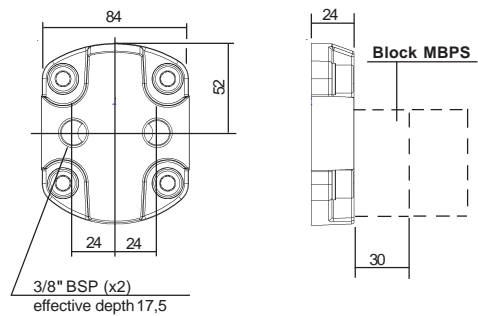
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1464 3/5

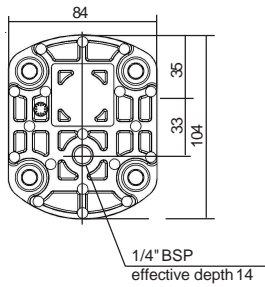


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

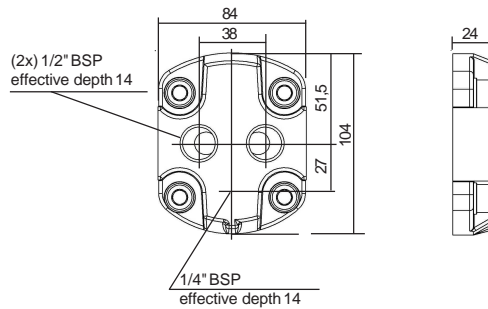
L

Standard



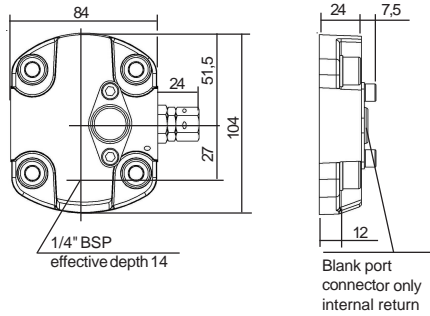
A

with ports



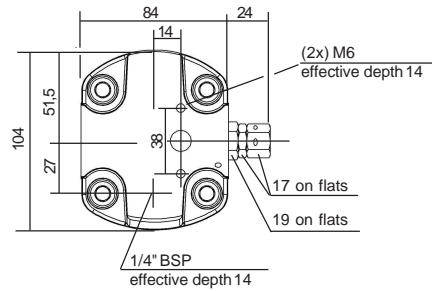
X

High pressure relief valve (Adjustable) Internal return



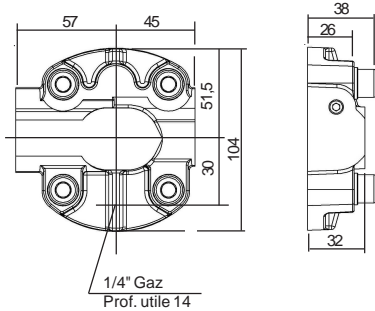
T

High pressure relief valve (Adjustable) External return



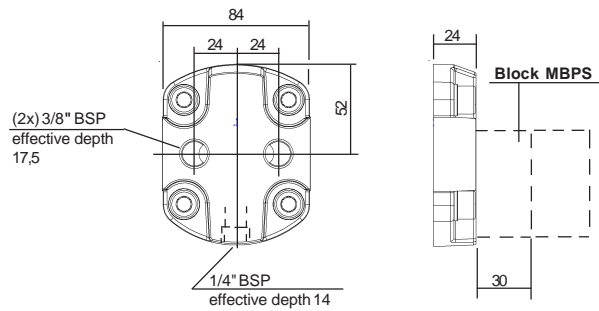
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1464 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

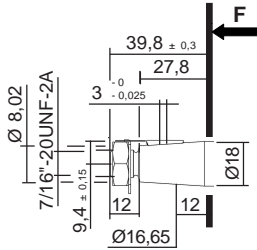


Consult us for availability

DRIVING SHAFT

Tapered
10

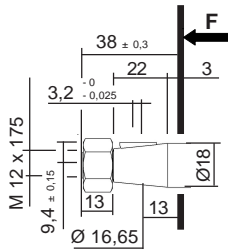
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

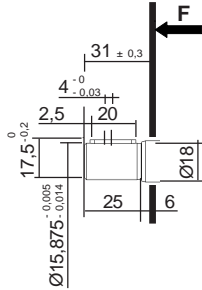


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

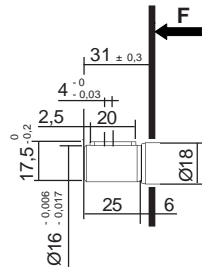
Straight keyed
20

A01



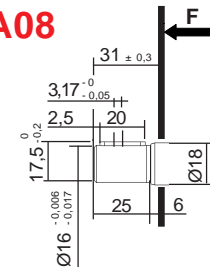
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

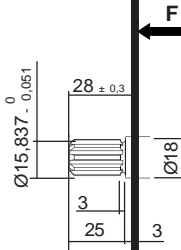
A08



Maxi transmissible torque
50 N.m

Splined
30

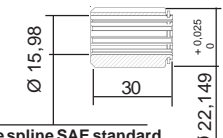
A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque
100 N.m

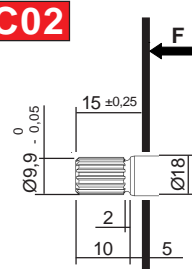
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

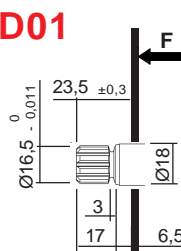
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01

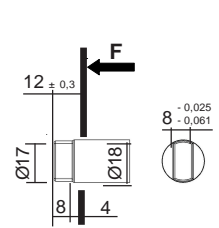


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

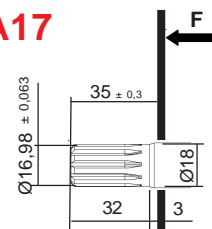
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

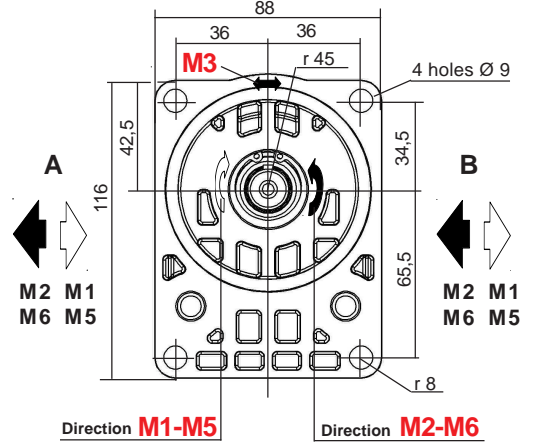
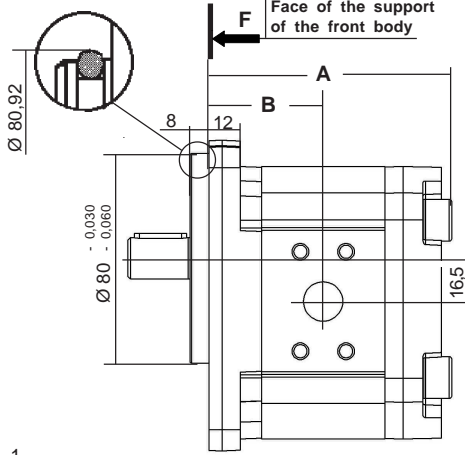
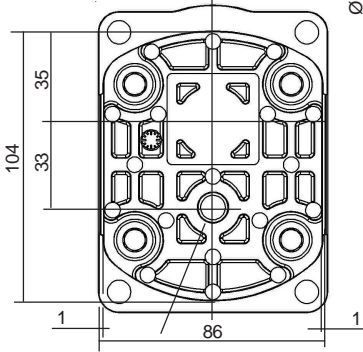
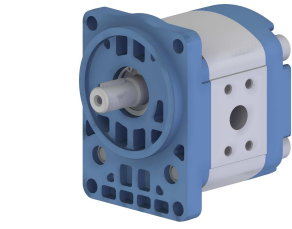
F.T 25 1464 5/5

Consult us for availability

M II Sign **DBK** **K** **25** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
12	107	51
15 - 17 - 18 - 22	123	59

Seals kits:

M1 - M2

Nitrile: **K5069810 + K101517**
Viton: **K5069820 + K104406**

(For manufacturer to since january 1984)

M3 - M5/M6

Nitrile: **K5071067 + K101517**
Viton: **K5071068 + K104406**

(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	2,8

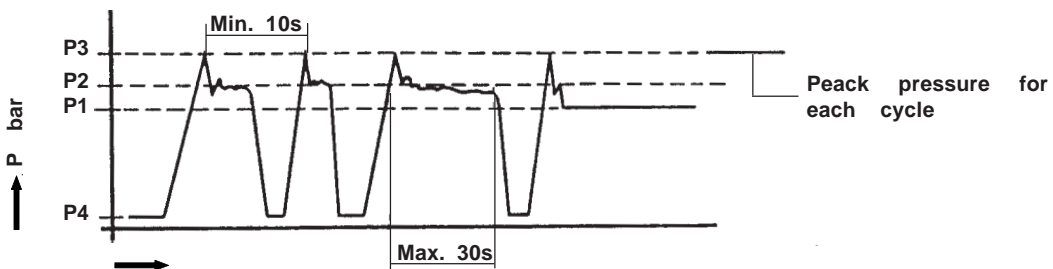
On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty

P2 Maximum pressure in intermittent duty

P3 Max. Allowable peak pressure

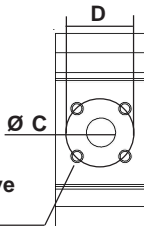
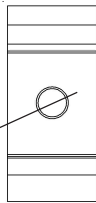
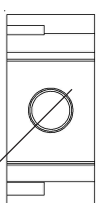
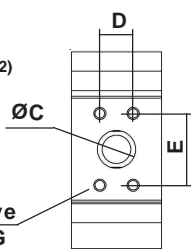

P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					2 ways rotation with counter pressure											
		M1		M2			M3		M5		M6							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE							
		1 way rotation with counter pressure				1 way rotation with counter pressure				M3								
		M5		M6		M3		M5		M6								
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET							
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
		2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

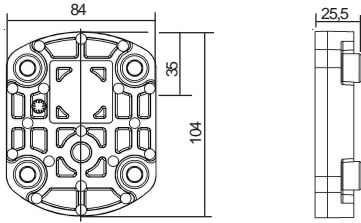
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1465 2/5

REAR BODIES for MOTORS M1 - M2

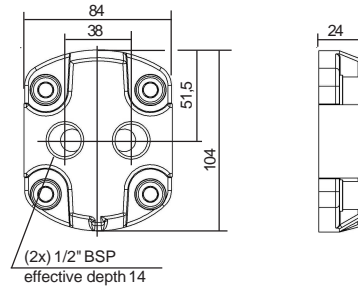
L

Standard



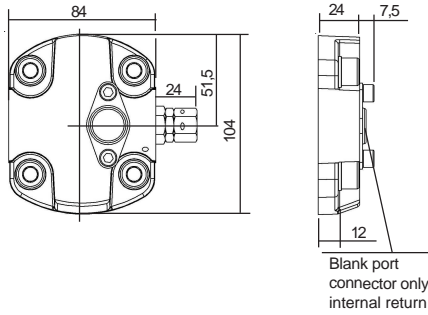
A

with ports



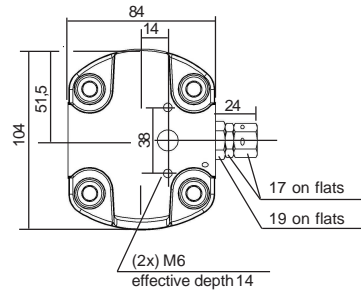
X

High pressure relief valve (Adjustable) Internal return



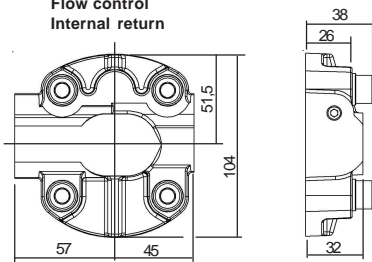
T

High pressure relief valve (Adjustable) External return



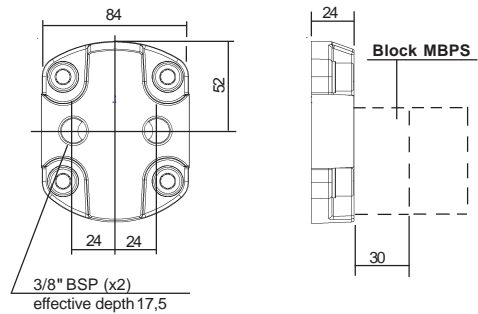
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1465 3/5

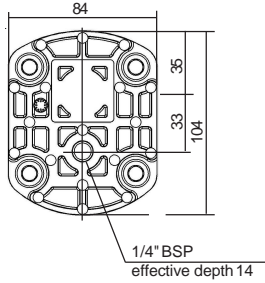


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

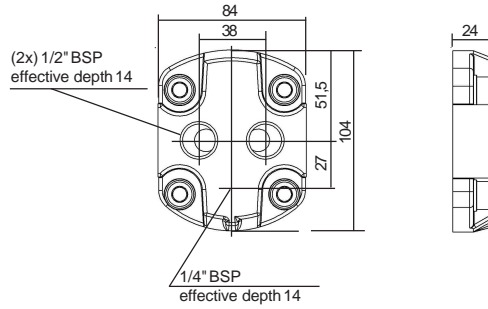
L

Standard



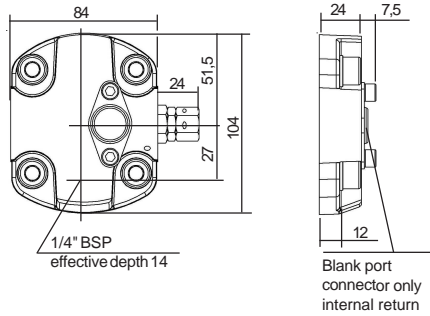
A

with ports



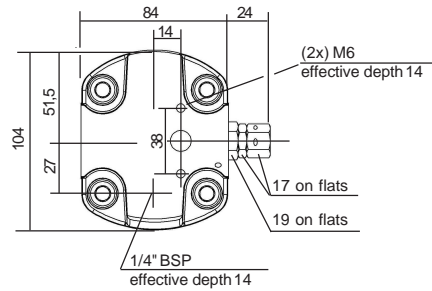
X

High pressure relief valve (Adjustable) Internal return



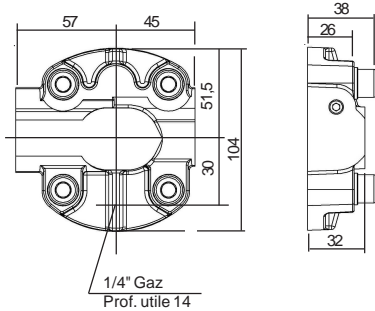
T

High pressure relief valve (Adjustable) External return



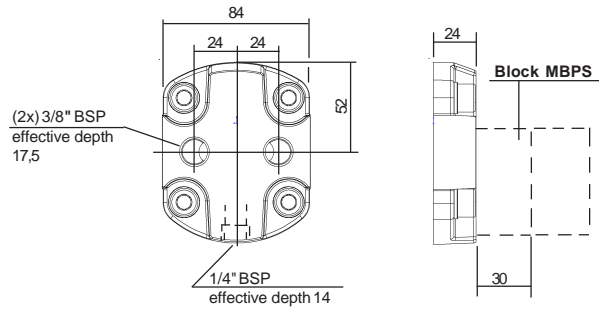
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1465 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

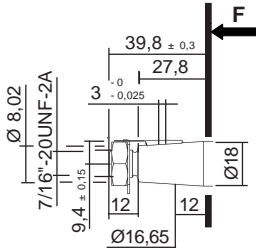


Consult us for availability

DRIVING SHAFT

Tapered
10

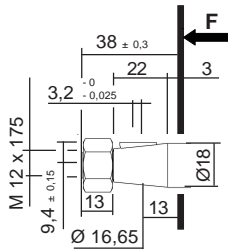
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

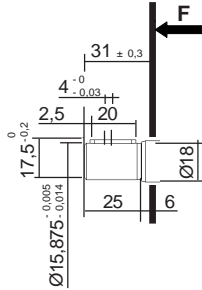


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

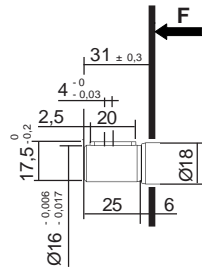
Straight keyed
20

A01



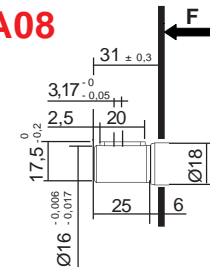
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

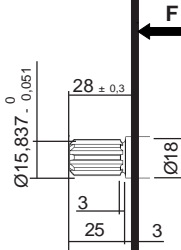
A08



Maxi transmissible torque
50 N.m

Splined
30

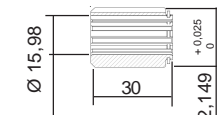
A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque
100 N.m

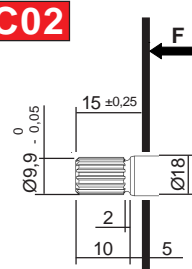
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

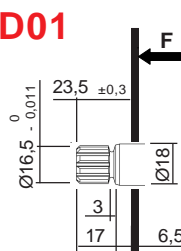
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01

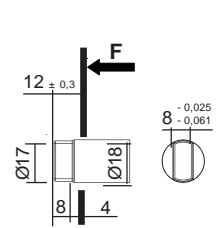


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

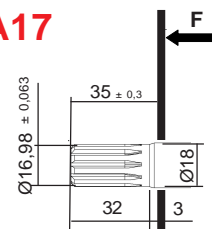
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

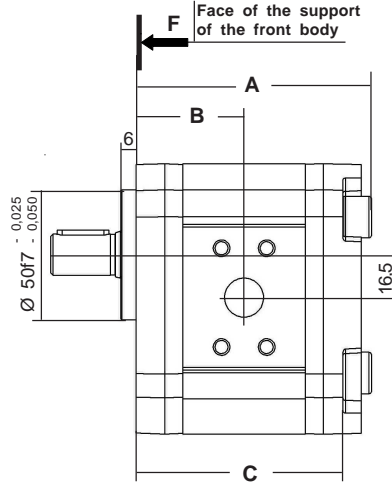
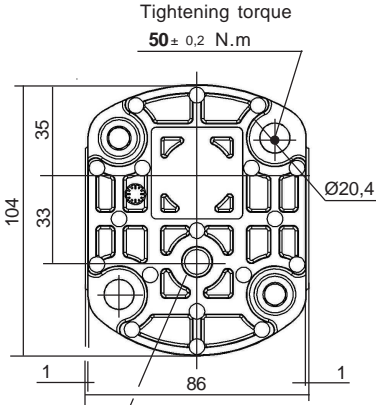
F.T 25 1465 5/5

Consult us for availability

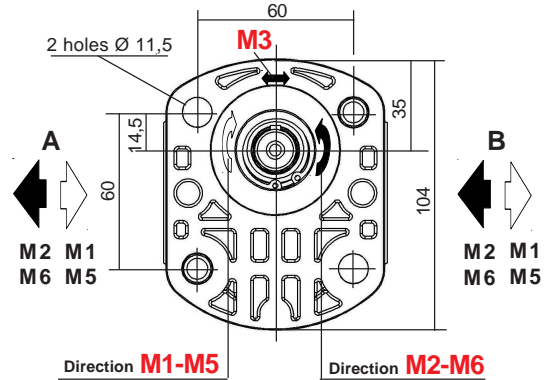


M II Sign **DC** **N** **25** VI Sign **H** **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (**M3**) or single directional motor (**M5/M6**) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	120	57	110

Seals kits:

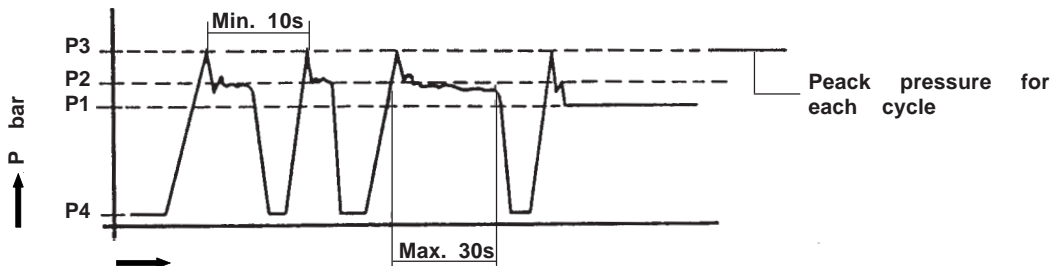
M1 - M2
Nitrile: **K5069890 + K101513**
Viton: **K5069820 + K101326**
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: **K5073287 + K101513**
Viton: **K5071068 + K101326**
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	///	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1** Maximum pressure in continuous duty
- P2** Maximum pressure in intermittent duty
- P3** Max. Allowable peak pressure
- P4** Pressure at Motor outlet ≤ P (Only in M3)

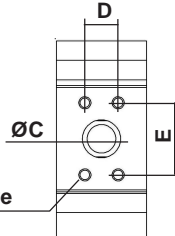
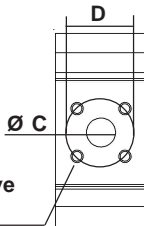
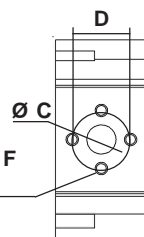
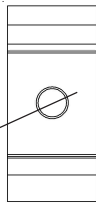
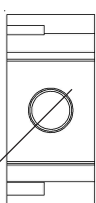
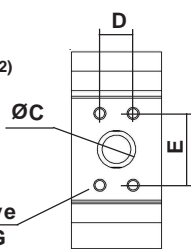



Consult us for availability

F.T 25 1466 1/5

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					1 way rotation with counter pressure				2 ways rotation with counter pressure							
		M1		M2			M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE					
Capacity	INLET	OUTLET					INLET		OUTLET		INLET		OUTLET					
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET			
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
			2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20					
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
			2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14					
X (without ports)		2512 to 2522	Only with rear body Type A															

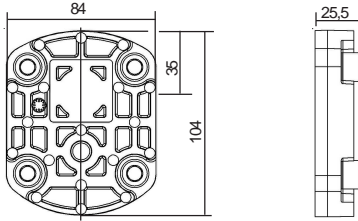
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1466 2/5

REAR BODIES for MOTORS M1 - M2

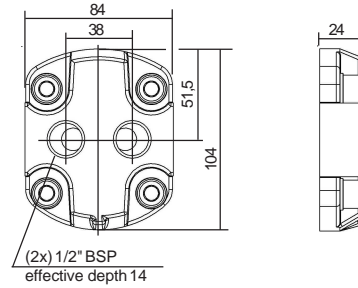
L

Standard



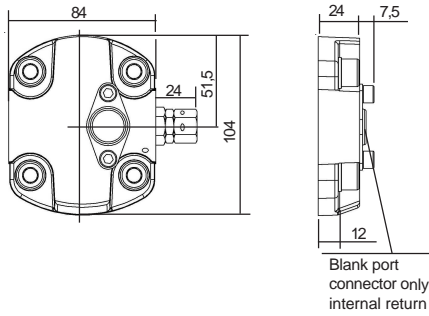
A

with ports



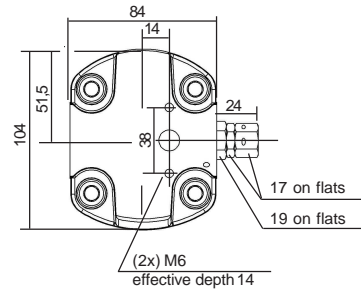
X

High pressure relief valve (Adjustable) Internal return



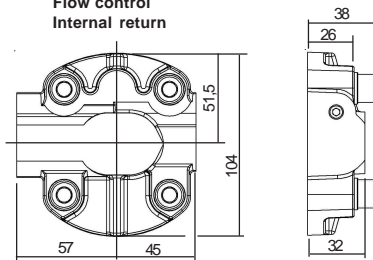
T

High pressure relief valve (Adjustable) External return



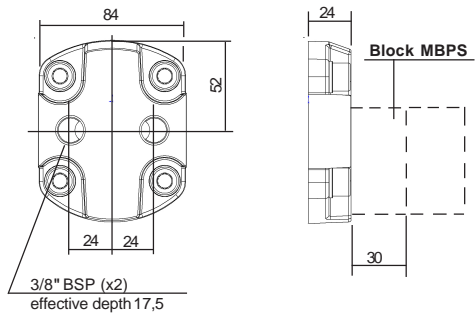
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1466 3/5

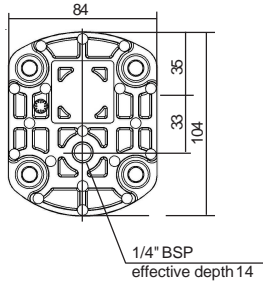


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

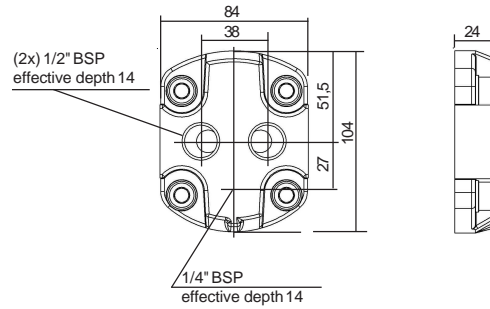
L

Standard



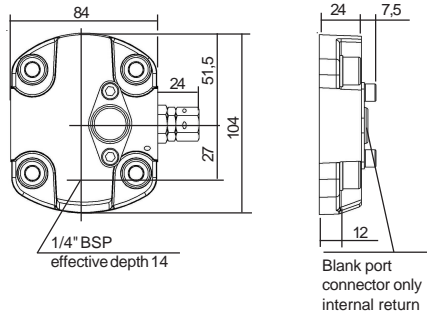
A

with ports



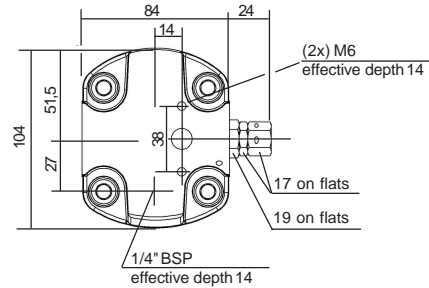
X

High pressure relief valve (Adjustable) Internal return



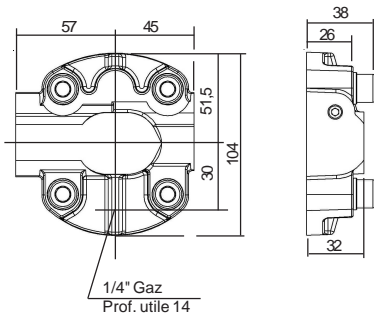
T

High pressure relief valve (Adjustable) External return



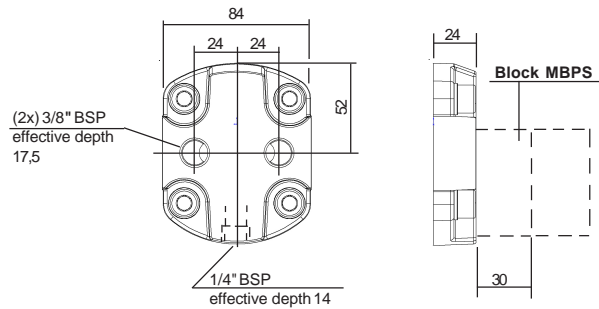
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1466 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



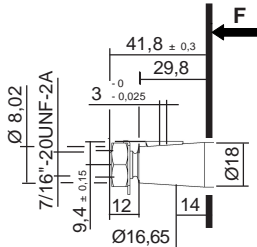
Consult us for availability

DRIVING SHAFTS

Tapered

10

B02 Cône 1/8

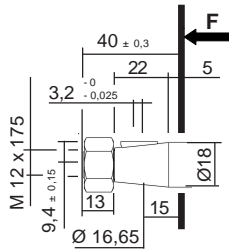


Delivered with nut: K100841

Maxi transmissible torque

250 N.m

C02 Cône 1/5



Delivered with nut: K106317

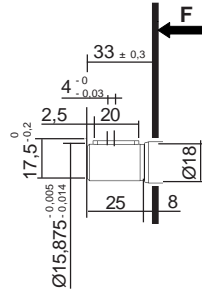
Maxi transmissible torque

220 N.m

Straight keyed

20

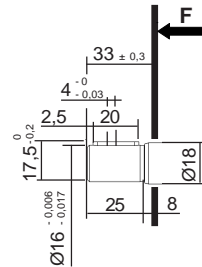
A01



Maxi transmissible torque

50 N.m

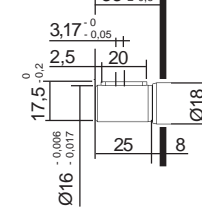
C02



Maxi transmissible torque

50 N.m

A08



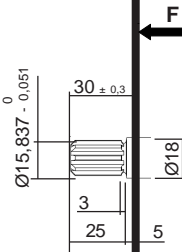
Maxi transmissible torque

50 N.m

Splined

30

A01

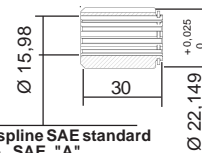


Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle

Maxi transmissible torque

100 N.m

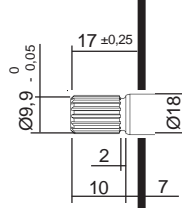
Sleeve coupling 9 teeth / 13 teeth
Ref.: **K.5041310**
Mounting with splinned shaft **30 A01**



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02

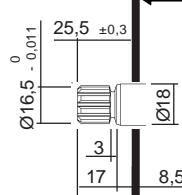


Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque

100 N.m

D01



Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

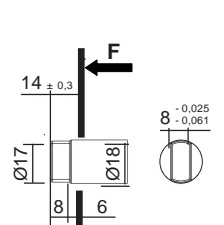
Maxi transmissible torque

100 N.m

Tang

40

C03



Maxi transmissible torque

70 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1466 5/5

Consult us for availability

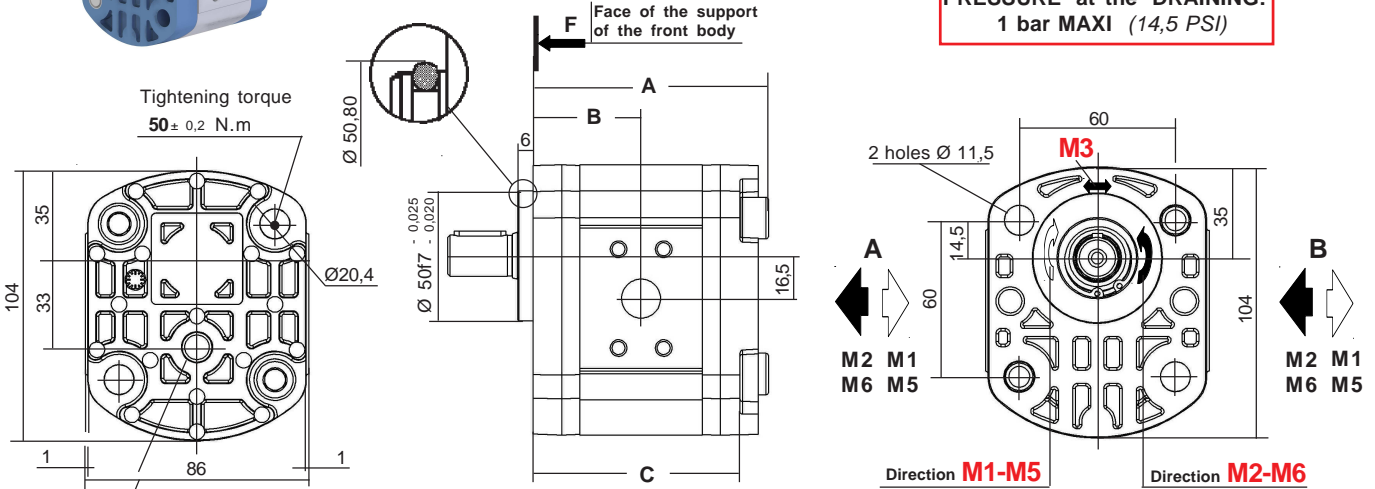




M II Sign **DC K 25** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion **35 N.m**

CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	120	57	110

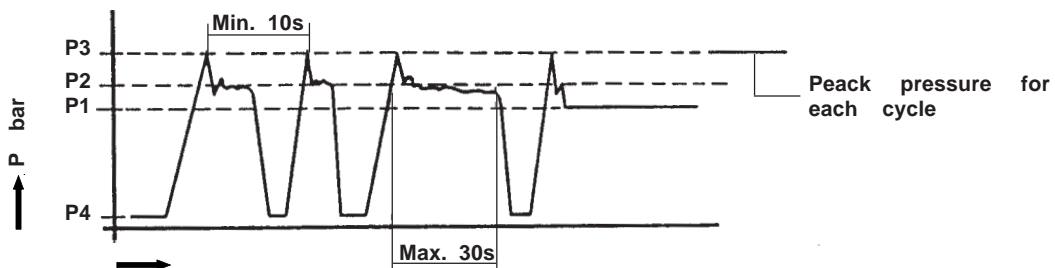
Seals kits:
M1 - M2
Nitrile: K5069890 + K101513
Viton: K5069820 + K101326
(For manufacturer to since january 1984)
M3 - M5/M6
Nitrile: K5073287 + K101513
Viton: K5071068 + K101326
(For manufacturer to since february 1986)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	///	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

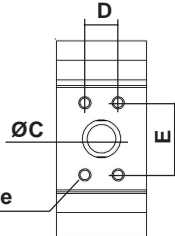
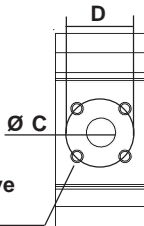
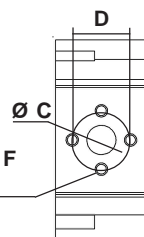
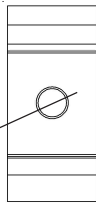
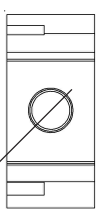
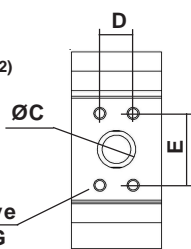

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



 Consult us for availability


CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					2 ways rotation with counter pressure											
		M1		M2			M3		M5		M6							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE							
		1 way rotation with counter pressure		1 way rotation with counter pressure		1 way rotation with counter pressure		1 way rotation with counter pressure		1 way rotation with counter pressure								
		M5		M6		M5		M6		M5								
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET							
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
		2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

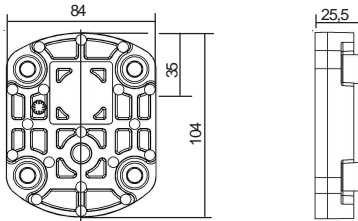
F.T 25 1467 2/5

 Consult us for availability

REAR BODIES for MOTORS M1 - M2

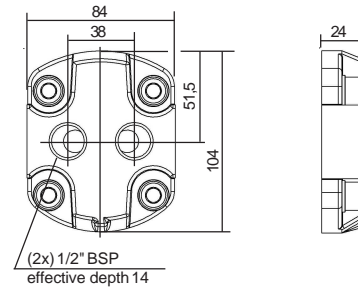
L

Standard



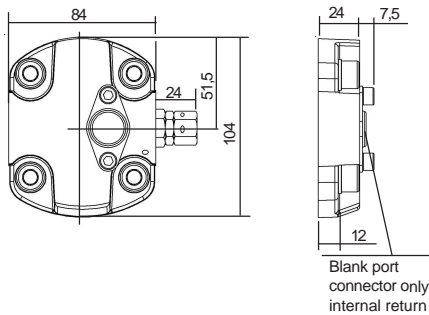
A

with ports



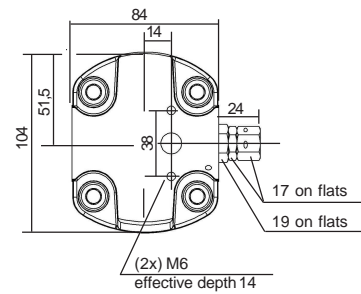
X

High pressure relief valve
(Adjustable) Internal return



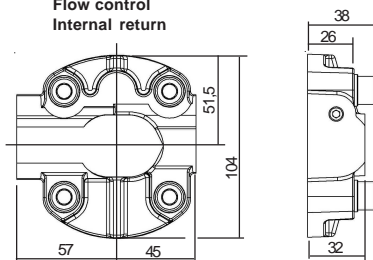
T

High pressure relief valve
(Adjustable) External return



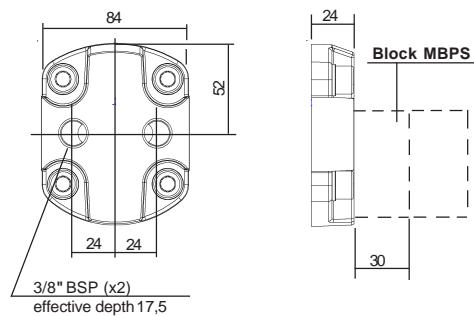
Q

Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1467 3/5

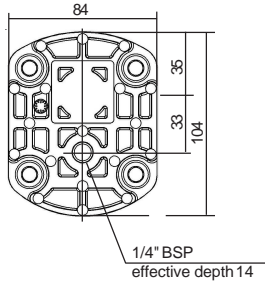


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

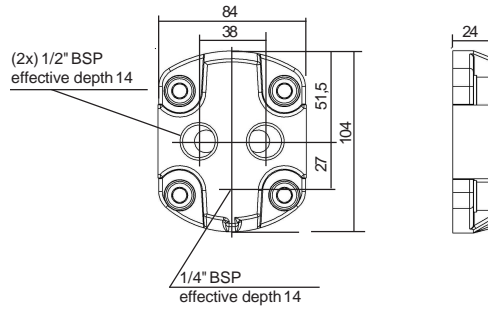
L

Standard



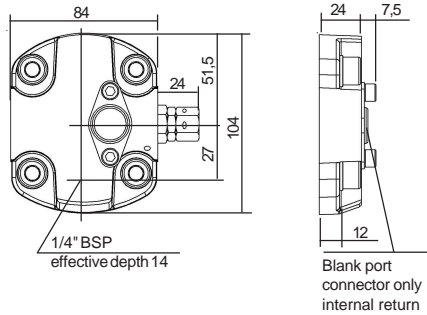
A

with ports



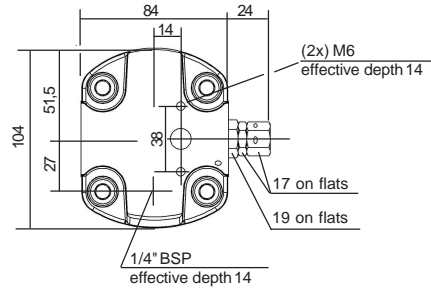
X

High pressure relief valve (Adjustable) Internal return



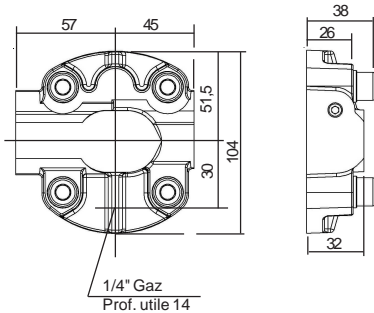
T

High pressure relief valve (Adjustable) External return



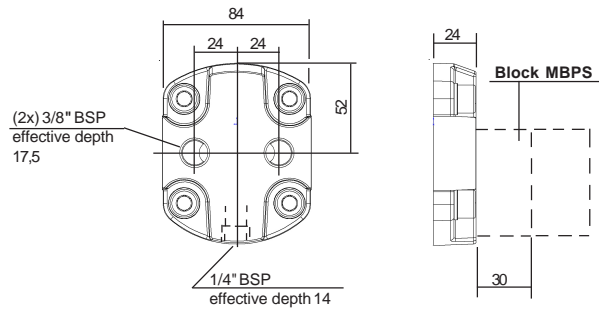
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1467 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



Consult us for availability

DRIVING SHAFTS

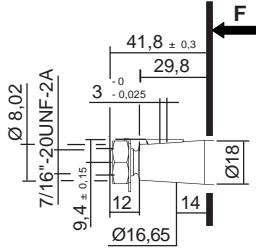
Tapered
10

Straight keyed
20

Splined
30

Tang
40

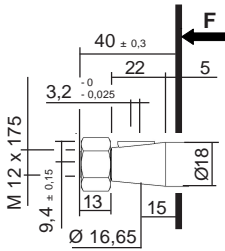
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

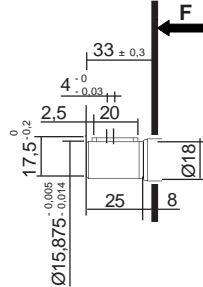
C02 Cône 1 / 5



Delivered with nut: K106317

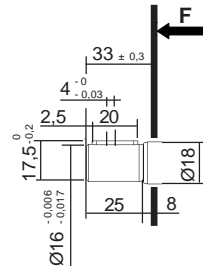
Maxi transmissible torque
220 N.m

A01



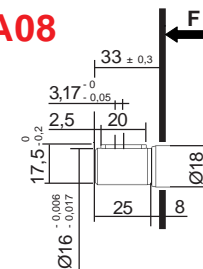
Maxi transmissible torque
50 N.m

C02



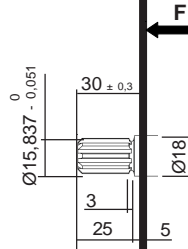
Maxi transmissible torque
50 N.m

A08



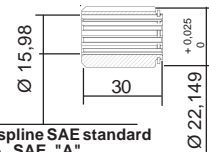
Maxi transmissible torque
50 N.m

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle
Maxi transmissible torque
100 N.m

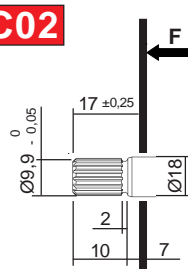
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

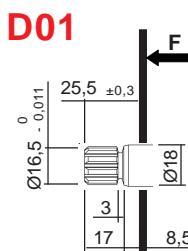
Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

C02



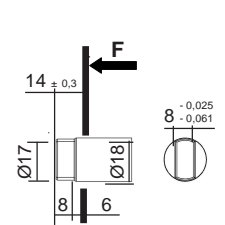
Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks
Maxi transmissible torque
100 N.m

D01



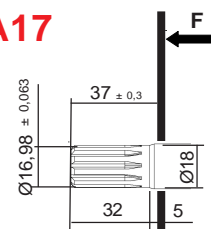
Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks
Maxi transmissible torque
100 N.m

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle
Maxi transmissible torque
100 N.m

Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

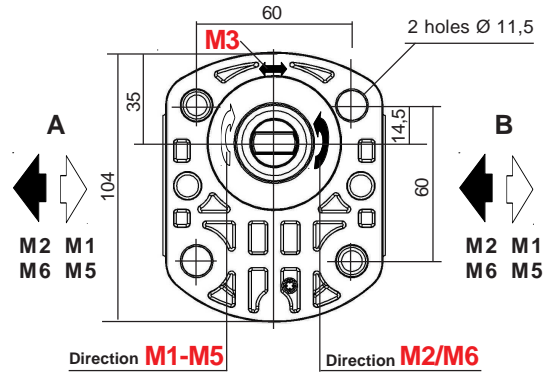
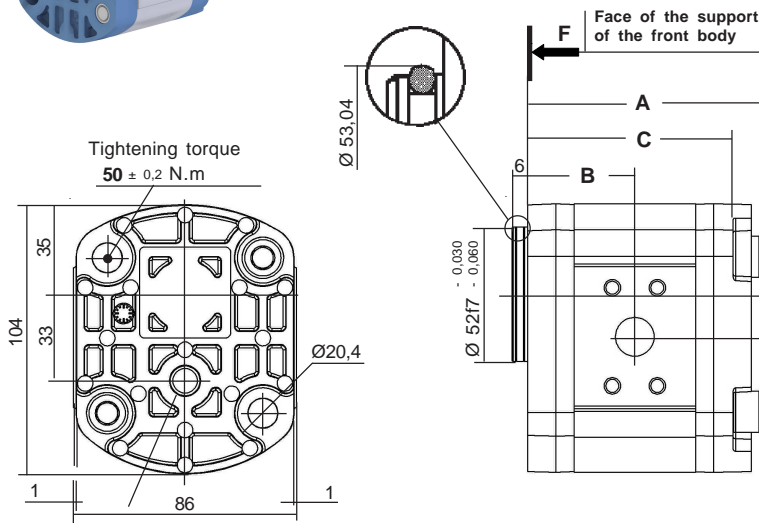


M II Sign **DUK 25** VI Sign **HL 40 D02** XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

ATTENTION:
Mounting without tightness seal



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion: **35 N.m**

CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	120	57	110

Seals kits:

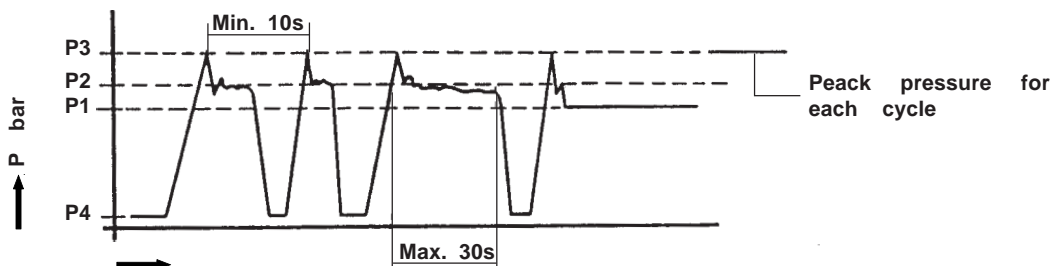
M1 - M2
Nitrile: K5069890 + K102539
Viton: K5069820 + K107013
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5073287 + K102539
Viton: K5071068 + K107013
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at			mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar			
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI			
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3	
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6	
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7	
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	///	3500	2,7	
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	///	3500	2,8	

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



 Consult us for availability


CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure					2 ways rotation with counter pressure										
		M1		M2			M3		M5		M6						
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE						
		1 way rotation with counter pressure		M5		M6		M3		M3							
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET						
H (HPI)	2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)	2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)	2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
	2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)	2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
	2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)	2512 to 2522	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

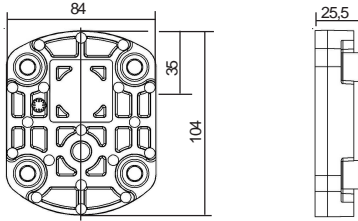
F.T 25 1468 2/5

 Consult us for availability

REAR BODIES for MOTORS M1 - M2

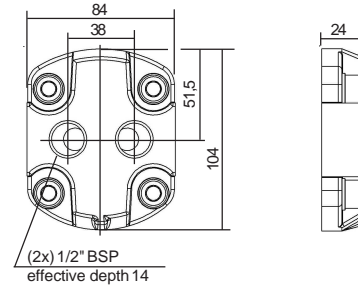
L

Standard



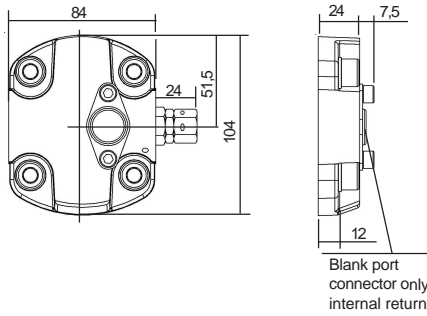
A

with ports



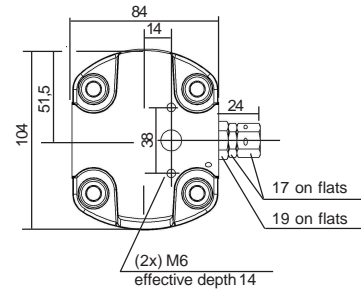
X

High pressure relief valve (Adjustable) Internal return



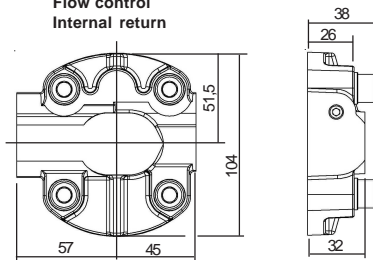
T

High pressure relief valve (Adjustable) External return



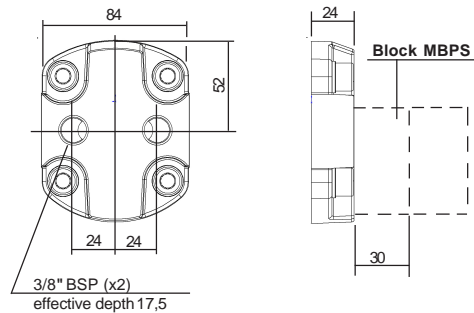
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1468 3/5

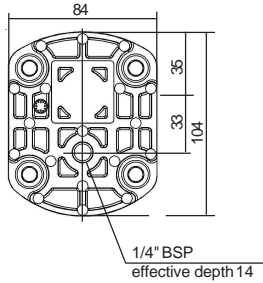


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

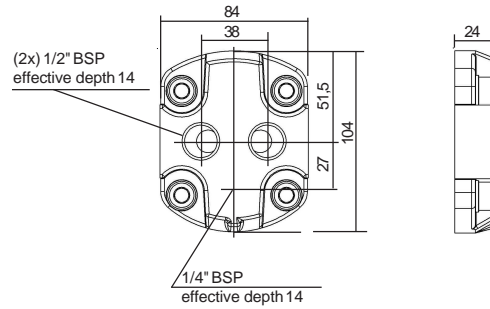
L

Standard



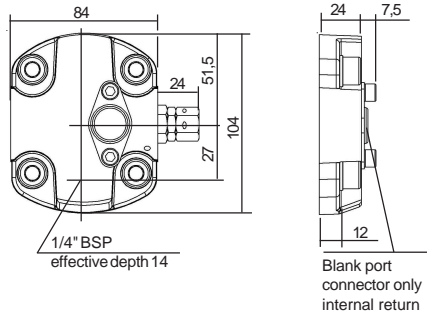
A

with ports



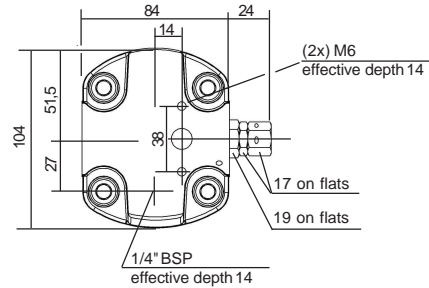
X

High pressure relief valve (Adjustable) Internal return



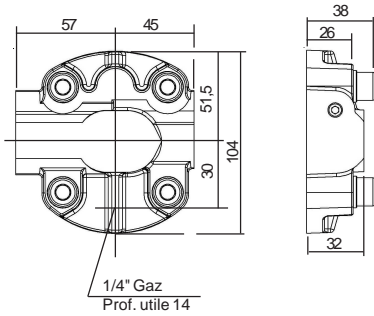
T

High pressure relief valve (Adjustable) External return



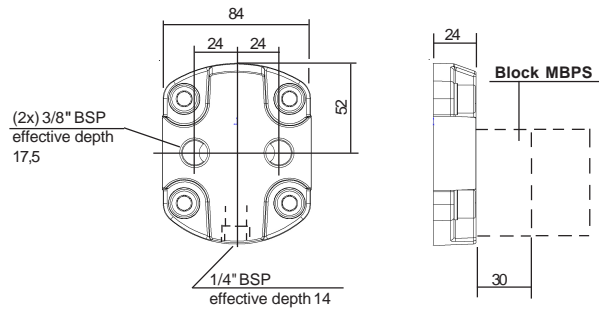
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1468 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

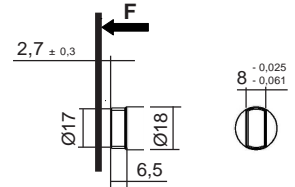


Consult us for availability

DRIVING SHAFT (DUK)

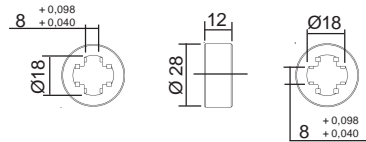
Tapered	Straight keyed	Splined	Tang
10	20	30	40

D02



Max tightening torque
70 N.m

Coupling on request: Ref. K102947



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1468 5/5



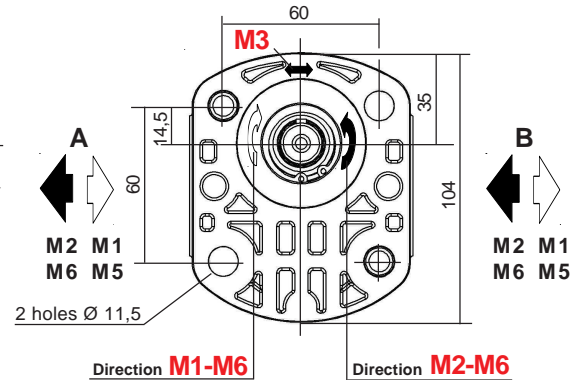
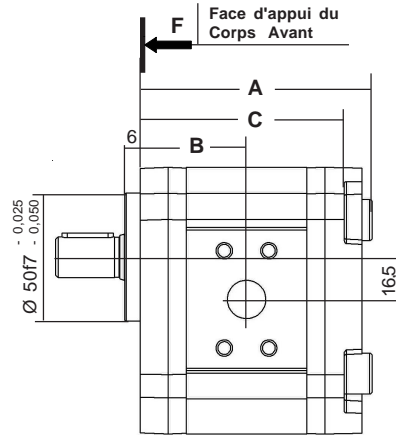
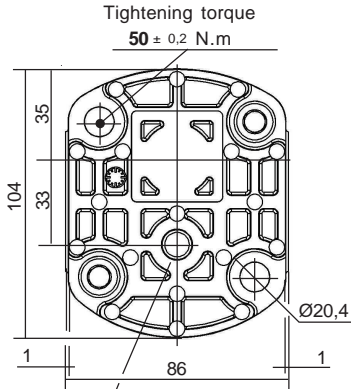
Consult us for availability



M II Sign **DW N 25** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	120	57	110

Seals kits:

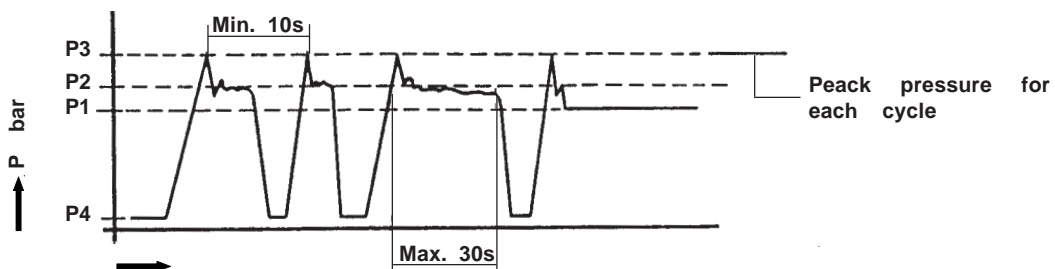
M1 - M2
Nitrile: K5069890
Viton: K5069820
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5073287
Viton: K5071068
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	///	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

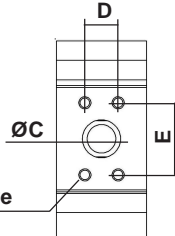
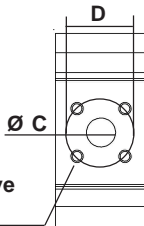
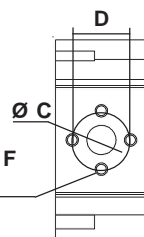
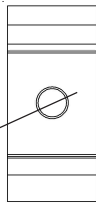
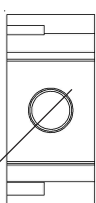
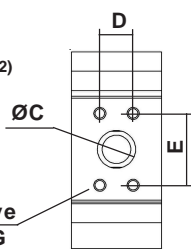

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability


CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					2 ways rotation with counter pressure											
		M1		M2			M5		M6			M3						
		ENTREE	SORTIE	ENTREE	SORTIE		INLET	OUTLET	INLET	OUTLET		INLET	OUTLET					
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
		2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

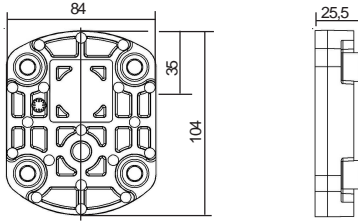
F.T 25 1469 2/5

 Consult us for availability

REAR BODIES for MOTORS M1 - M2

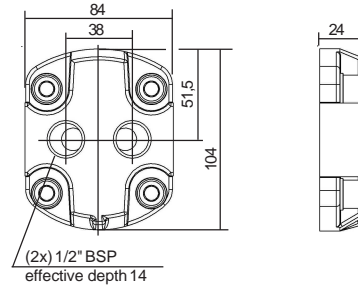
L

Standard



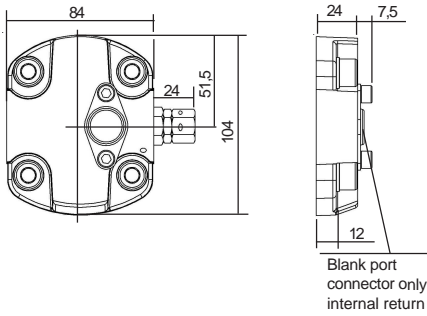
A

with ports



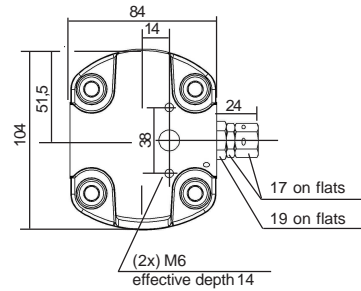
X

High pressure relief valve (Adjustable) Internal return



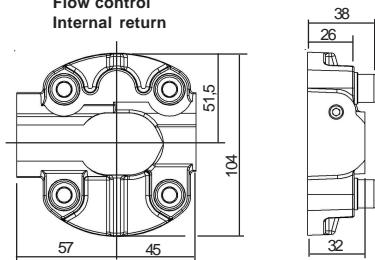
T

High pressure relief valve (Adjustable) External return



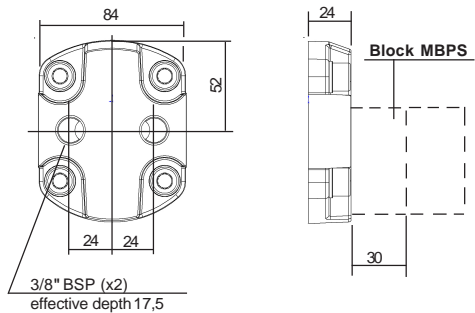
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1469 3/5

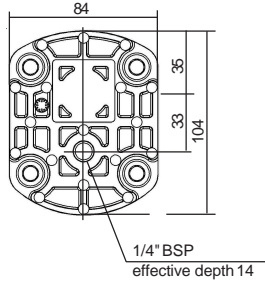


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

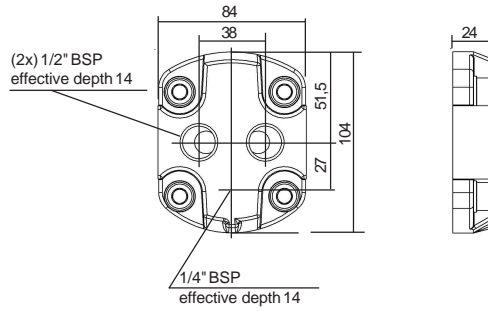
L

Standard



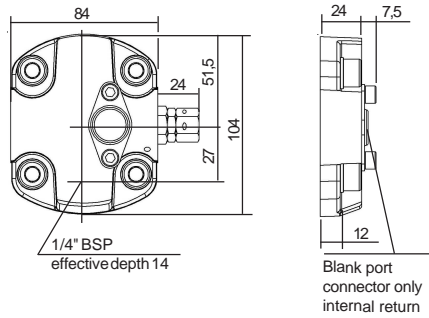
A

with ports



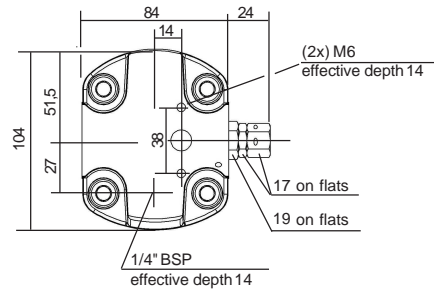
X

High pressure relief valve (Adjustable) Internal return



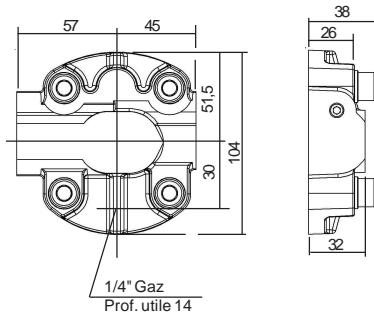
T

High pressure relief valve (Adjustable) External return



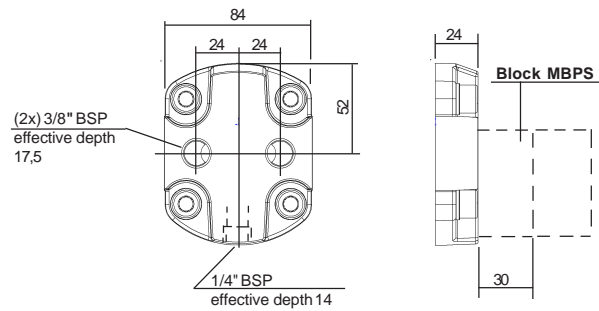
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1469 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

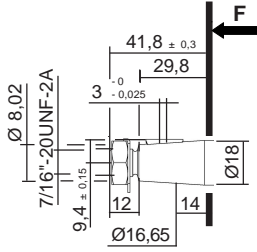


Consult us for availability

DRIVING SHAFTS

Tapered
10

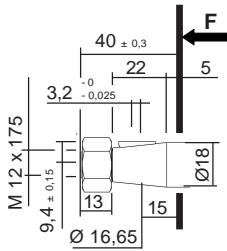
B02 Cône 1 / 8



Delivered with nut: K100841

Maxi transmissible torque
250 N.m

C02 Cône 1 / 5

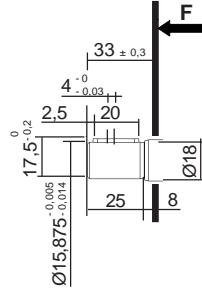


Delivered with nut: K106317

Maxi transmissible torque
220 N.m

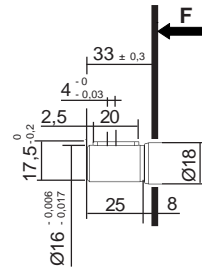
Straight keyed
20

A01



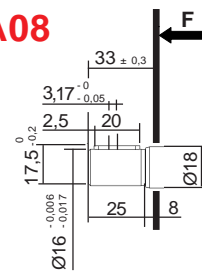
Maxi transmissible torque
50 N.m

C02



Maxi transmissible torque
50 N.m

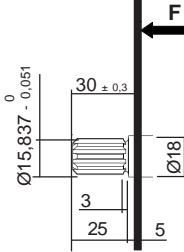
A08



Maxi transmissible torque
50 N.m

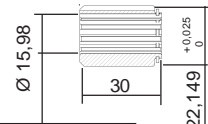
Splined
30

A01



Involute spline SAE Standard
9 teeth - Pitch 16/32 - Flat root
30° Pressure angle
Maxi transmissible torque
100 N.m

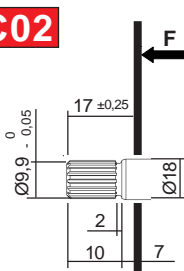
Sleeve coupling 9 teeth / 13 teeth
Ref.: K.5041310
Mounting with splinned shaft 30 A01



Involute spline SAE standard
9 teeth - SAE "A"
Pitch 16/32
30° Pressure angle

Involute spline SAE Standard
13 teeth - SAE "B"
Pitch 16/32
30° Pressure angle

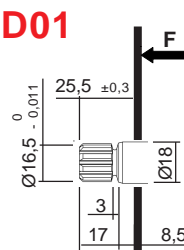
C02



Involute spline shaft 17x15x1
Standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
100 N.m

D01

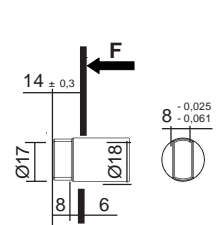


Involute spline shaft B 17 x 14
9 teeth - Standard DIN 5482 - Module 1,6
Spigot on free flanks

Maxi transmissible torque
100 N.m

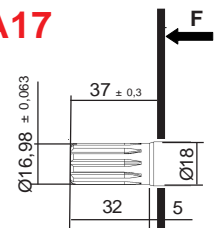
Tang
40

C03



Maxi transmissible torque
70 N.m

A17



Involute spline SAE Standard
10 teeth - Pitch 16/32 - Flat root
20° Pressure angle

Maxi transmissible torque
100 N.m

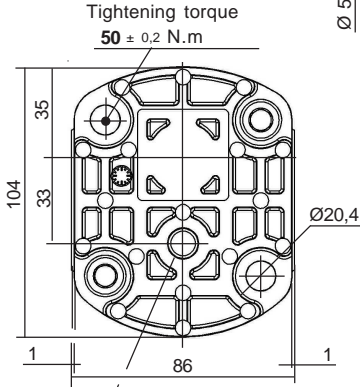
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1469 5/5

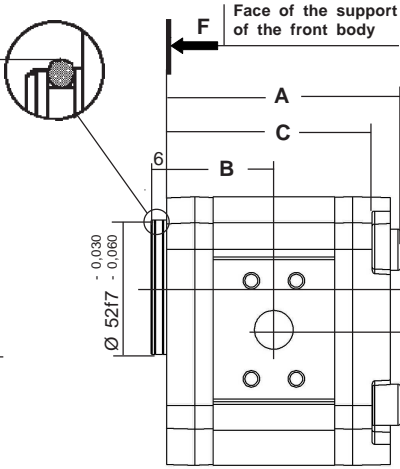
Consult us for availability

M II Sign **DZK 25** VI Sign **HL 40 D02** XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

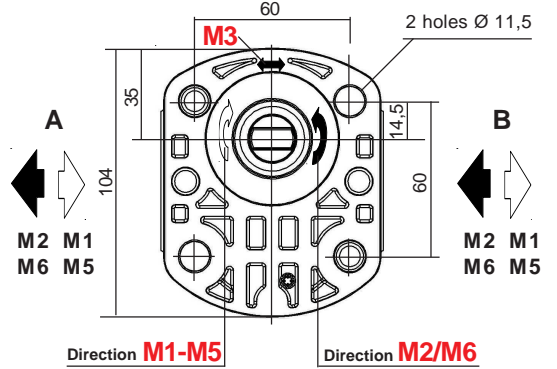


Tightening torque
50 ± 0,2 N.m



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

ATTENTION:
Mounting without tightness seal



Drain port 1/4" BSP effective depth 14 for bi directional (**M3**) or single directional motor (**M5/M6**) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions		
	A	B	C
12	105	49	94
15 - 17 - 18 - 22	120	57	110

Seals kits:

M1 - M2
Nitrile: **K5069890 + K102539**
Viton: **K5069820 + K107013**
(For manufacturer to since january 1984)

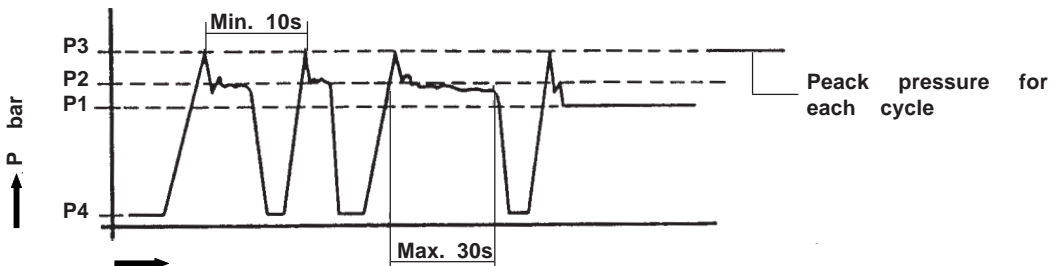
M3 - M5/M6
Nitrile: **K5073287 + K102539**
Viton: **K5071068 + K107013**
(For manufacturer to since february 1986)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,3
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	2,6
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	2,7
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	///	3500	2,7
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	///	3500	2,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

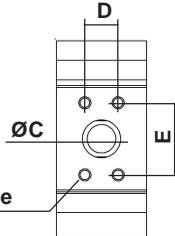
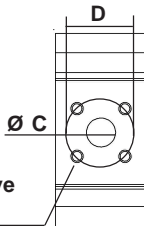
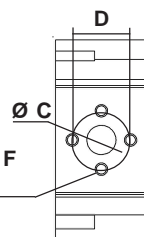
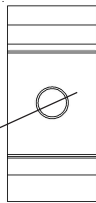
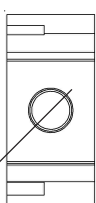
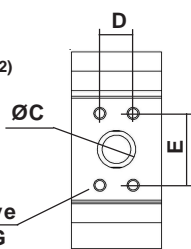

- P1** Maximum pressure in continuous duty
- P2** Maximum pressure in intermittent duty
- P3** Max. Allowable peak pressure
- P4** Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability


CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					2 ways rotation with counter pressure											
		M1		M2			M3		M5		M6							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE							
		1 way rotation with counter pressure		1 way rotation with counter pressure														
		M5		M6														
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET							
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
		2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

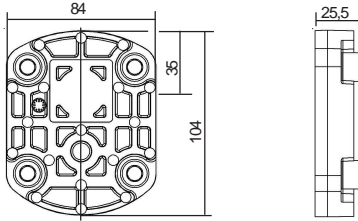
F.T 25 1470 2/5

 Consult us for availability

REAR BODIES for MOTORS M1 - M2

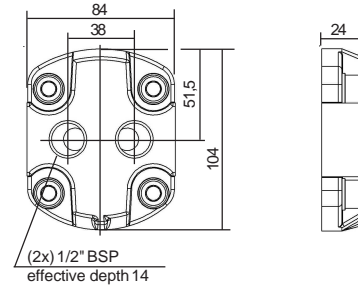
L

Standard



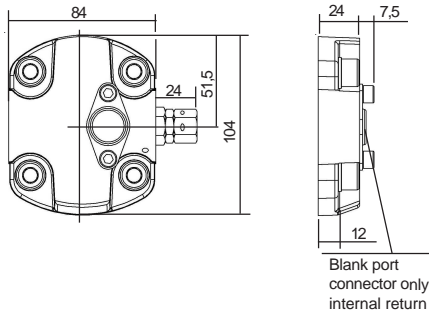
A

with ports



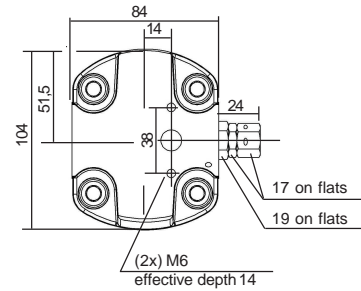
X

High pressure relief valve (Adjustable) Internal return



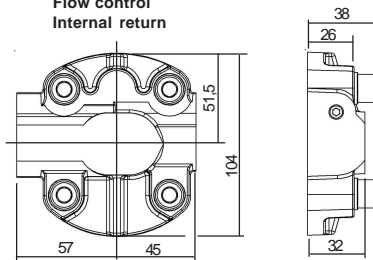
T

High pressure relief valve (Adjustable) External return



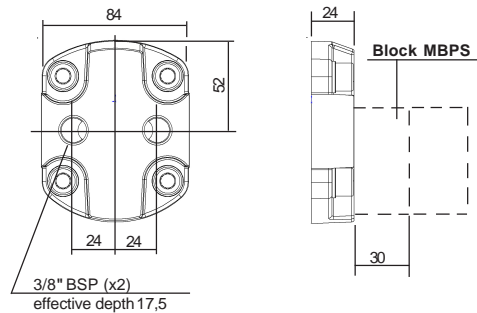
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1470 3/5

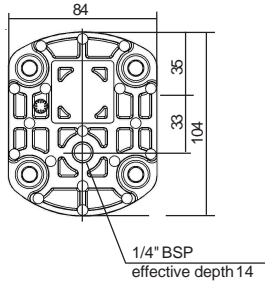


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

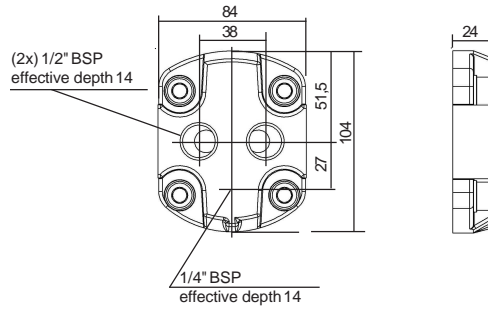
L

Standard



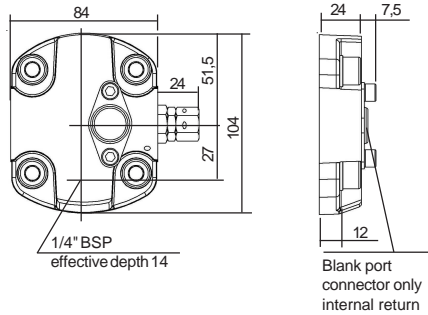
A

with ports



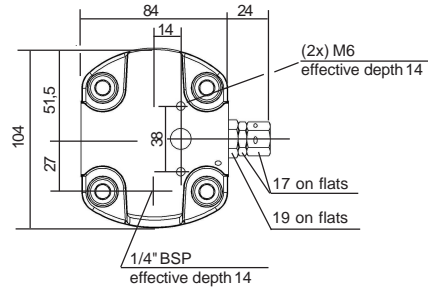
X

High pressure relief valve (Adjustable) Internal return



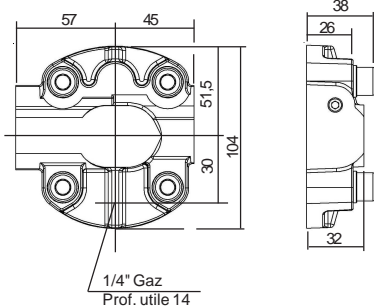
T

High pressure relief valve (Adjustable) External return



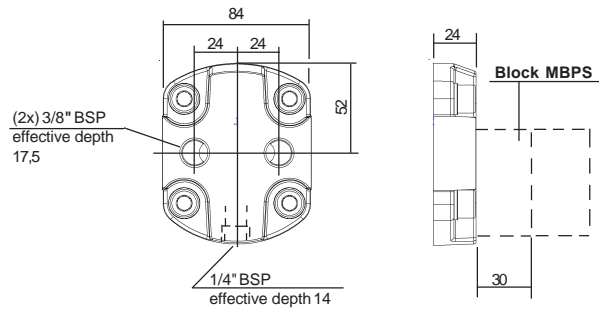
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

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Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

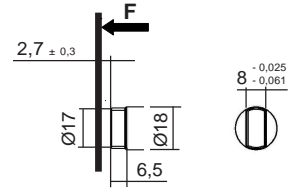


Consult us for availability

DRIVING SHAFT (DUK)

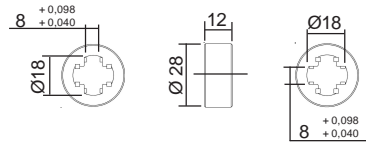
Tapered	Straight keyed	Splined	Tang
10	20	30	40

D02



Max tightening torque
70 N.m

Coupling on request: Ref. K102947



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1470 5/5

Consult us for availability



MOTORS PRESENTATION
SERIES 2 and 2,5

F.T 20 1433

- THICK FRONT BODIES

MOTOR **AAP**



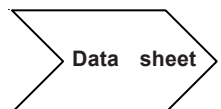
F.T 25 1471

MOTOR **AAR**



F.T 25 1472

MOTOR **ARP**



F.T 25 1473

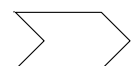
MOTOR **ARK**



F.T 25 1474

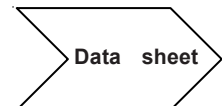


Consult us for availability



- THICK FRONT BODIES (rest)

MOTOR **AVP**



F.T 25 1475

MOTOR **DBP**

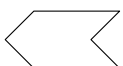


F.T 25 1476

MOTOR **DBR**



F.T 25 1477



Consult us for availability

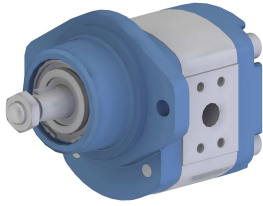
[home](#)

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[next](#)

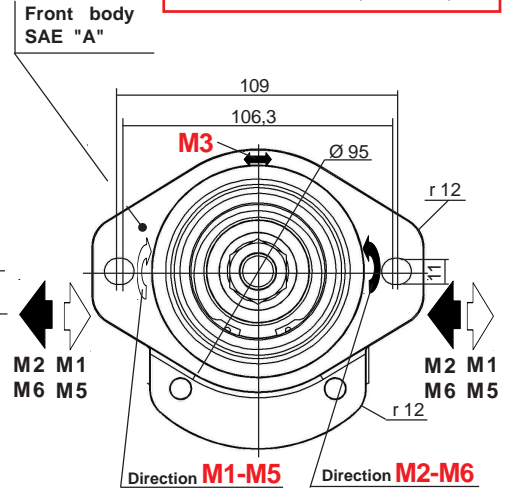
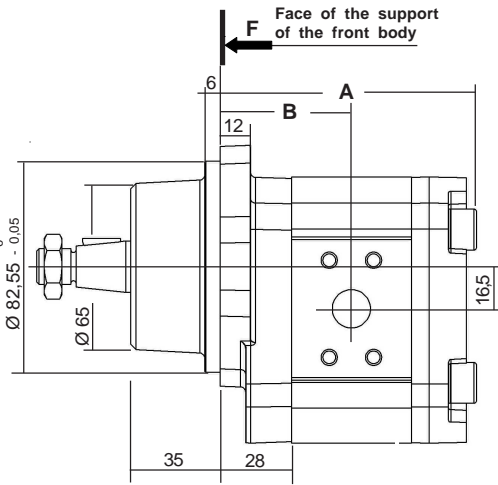
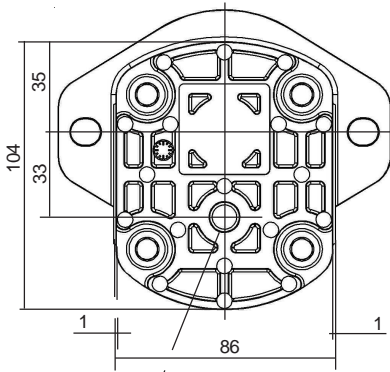
[main dimensions](#)



M II Sign **AA** **P** **25** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
12	115	58
15 - 17 - 18 - 22	131	67

Seals kits:

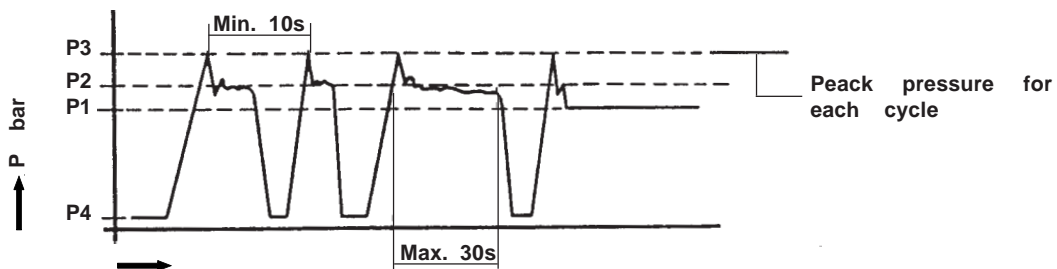
M1 - M2
Nitrile: K5069870 + K5069830
Viton: K5069880 + K5069840
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5071067 + K5071069
Viton: K5071068 + K5071070
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,8
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	3,1
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	3,2
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	///	3500	3,3
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	///	3500	3,4

On the hereunder indicated diagram, the maximum duty pressure are the following.

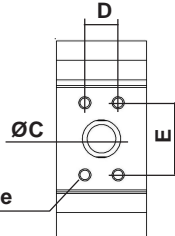
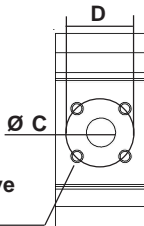
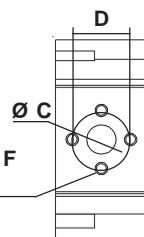
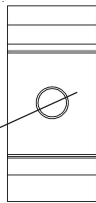
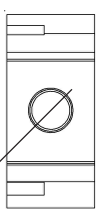
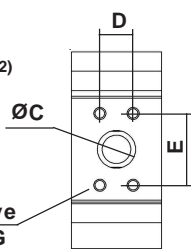

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					1 way rotation with counter pressure				2 ways rotation with counter pressure							
		M1		M2			M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE							
Capacity	INLET	OUTLET					INLET		OUTLET		INLET	OUTLET						
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET					
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
		2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

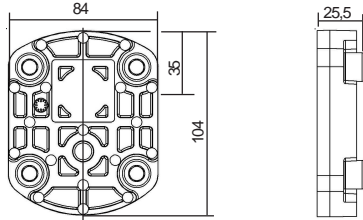
Dimensions readings and approximative characteristics subject to modifications.

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REAR BODIES for MOTORS M1 - M2

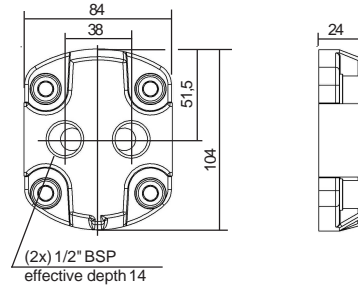
L

Standard



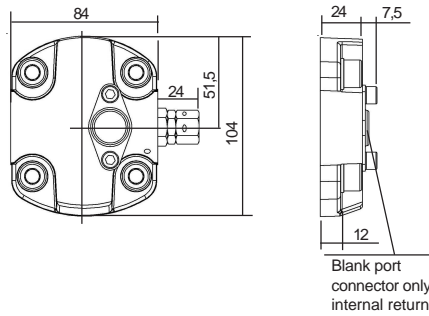
A

with ports



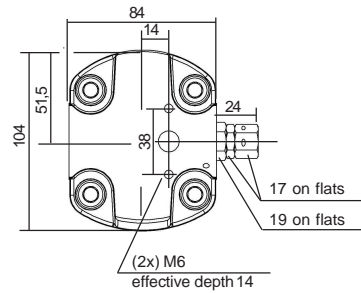
X

High pressure relief valve (Adjustable) Internal return



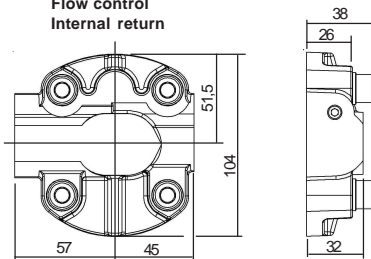
T

High pressure relief valve (Adjustable) External return



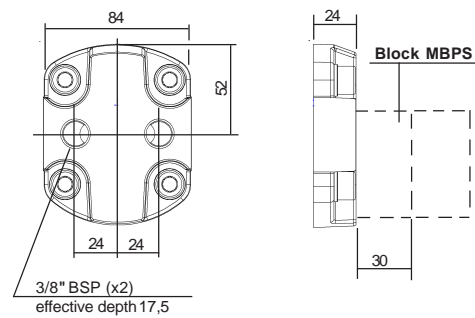
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

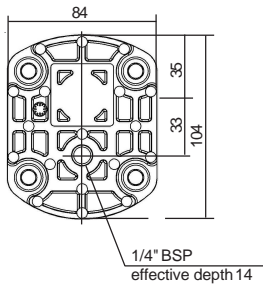
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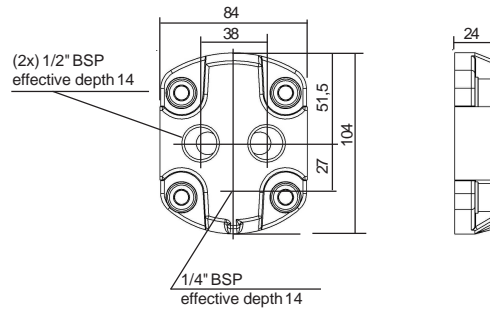
Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

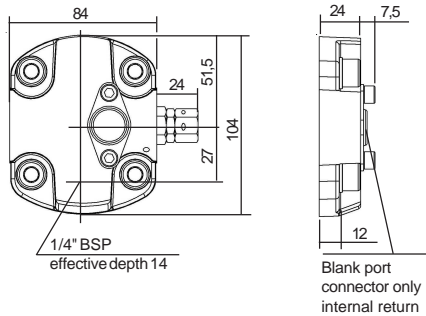
L
Standard



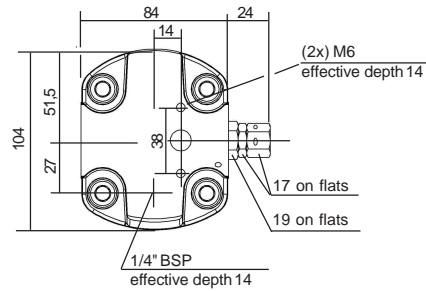
A
with ports



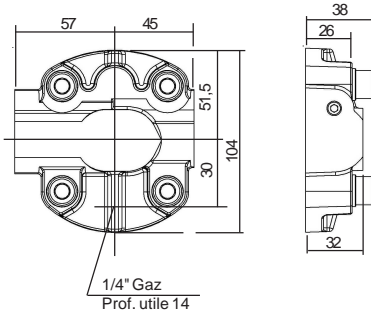
X
High pressure relief valve
(Adjustable) Internal return



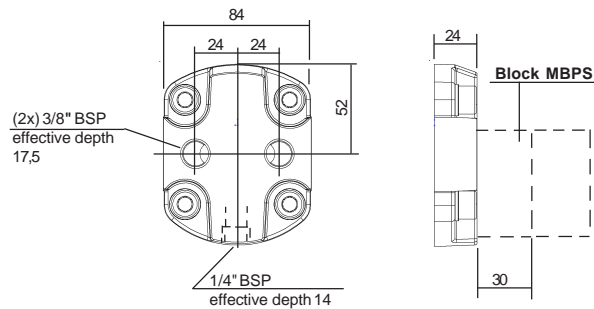
T
High pressure relief valve
(Adjustable) External return



Q
Flow control
Internal return



AR
Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1471 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

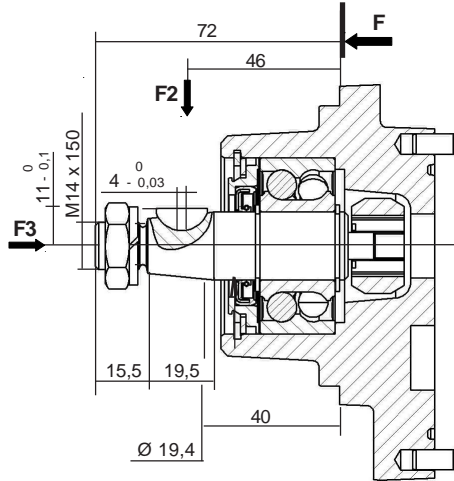
DRIVING SHAFTS

Tapered

10

C03

Taper 1/5



Delivered with nut: K102045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

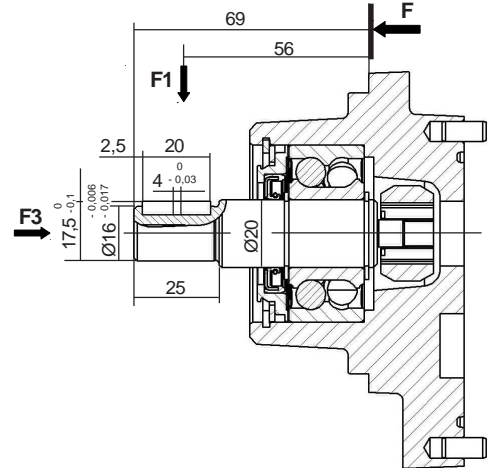
Maxi transmissible torque

70 N.m

Straight keyed

20

C03



F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque

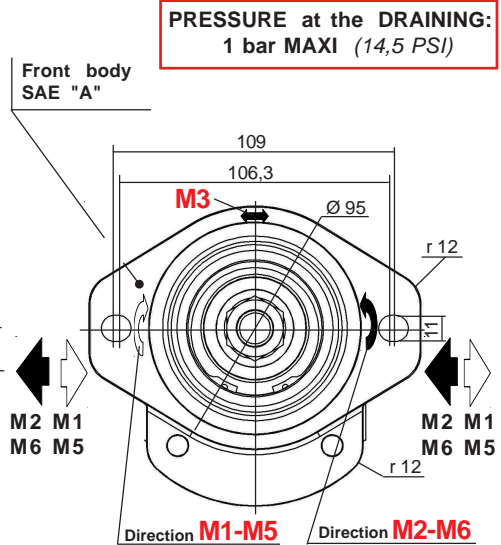
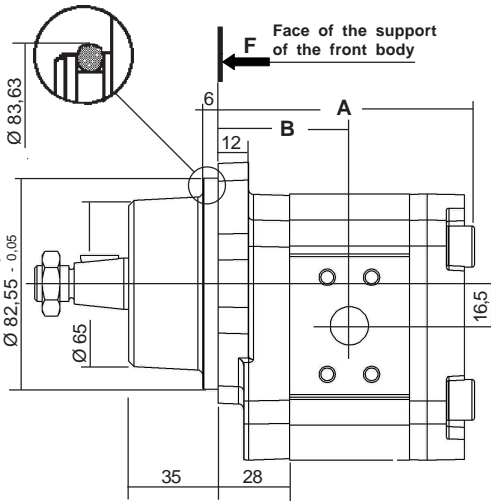
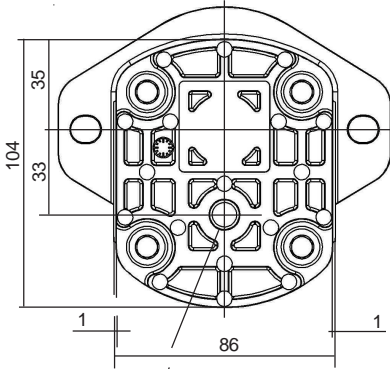
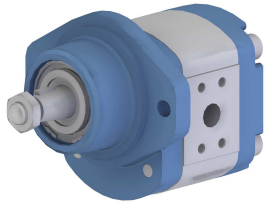
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

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M II Sign **AA R 25** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
12	115	58
15 - 17 - 18 - 22	131	67

Seals kits:

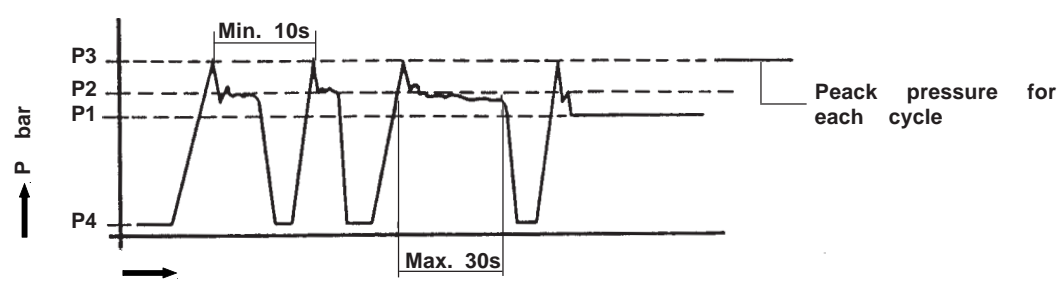
M1 - M2
Nitrile: K5069870 + K5069830 + K102901
Viton: K5069880 + K5069840 + K104093
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5071067 + K5071069 + K102902
Viton: K5071068 + K5071070 + K104093
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,8
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	3,1
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	3,2
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	1000 ^{225 bar}	3500	3,3
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	1000 ^{225 bar}	3500	3,4

On the hereunder indicated diagram, the maximum duty pressure are the following.

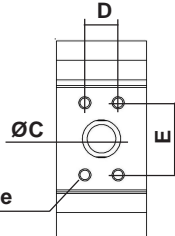
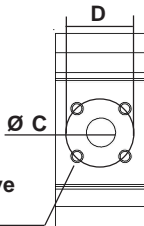
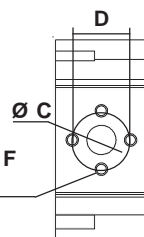
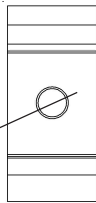
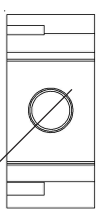
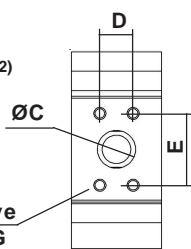

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability


CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					2 ways rotation with counter pressure											
		M1		M2			M3		M5		M6							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE							
		1 way rotation with counter pressure		M3		M5		M6		M3								
		M5		M6		M3		M5		M6								
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET							
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
		2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

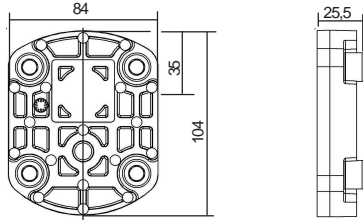
F.T 25 1472 2/5

 Consult us for availability

REAR BODIES for MOTORS M1 - M2

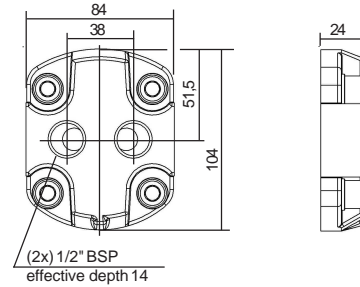
L

Standard



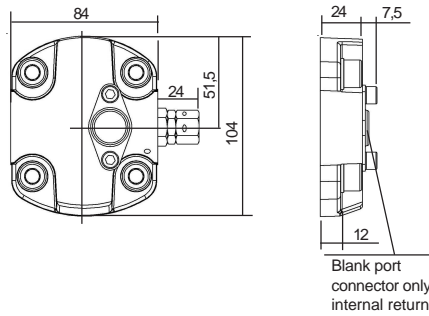
A

with ports



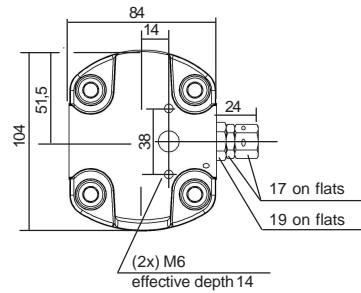
X

High pressure relief valve (Adjustable) Internal return



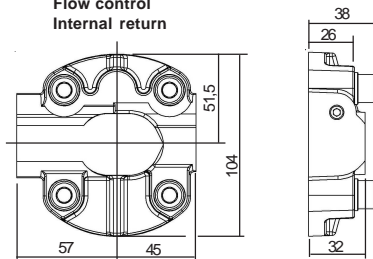
T

High pressure relief valve (Adjustable) External return



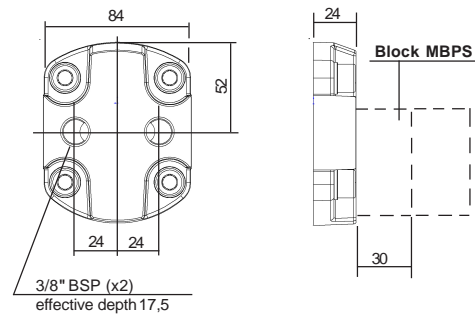
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1472 3/5

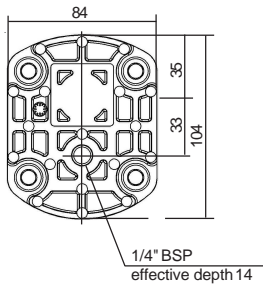


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

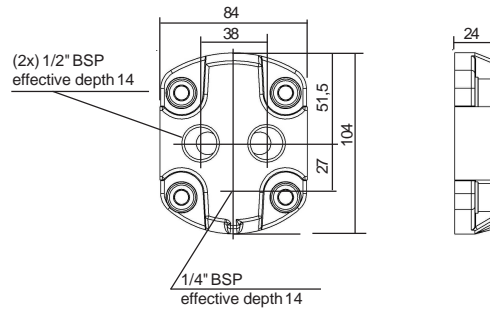
L

Standard



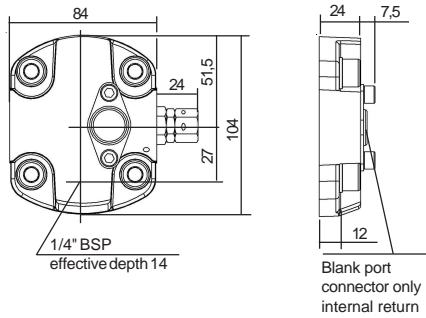
A

with ports



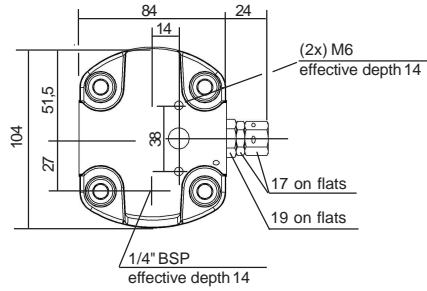
X

High pressure relief valve (Adjustable) Internal return



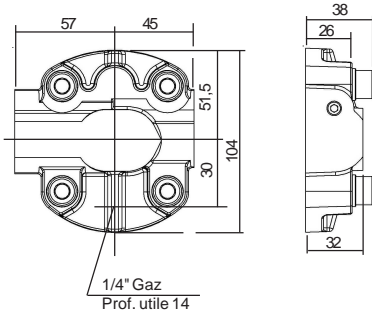
T

High pressure relief valve (Adjustable) External return



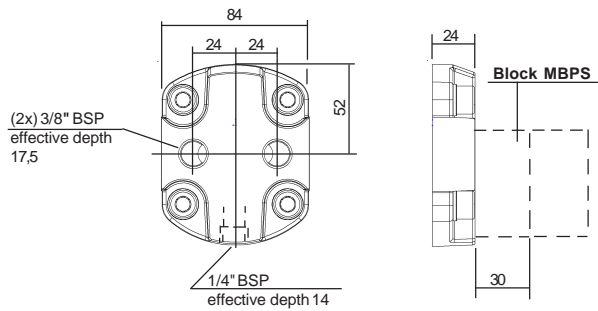
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1472 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

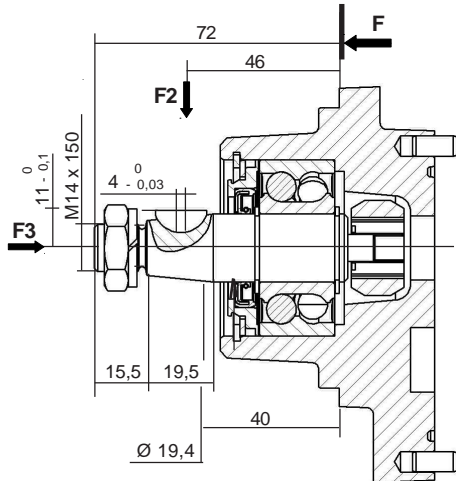
DRIVING SHAFTS

Tapered

10

C03

Taper 1/5



Delivered with nut: K102045

F2 Maxi: 120 daN

F3 Maxi: 50 daN

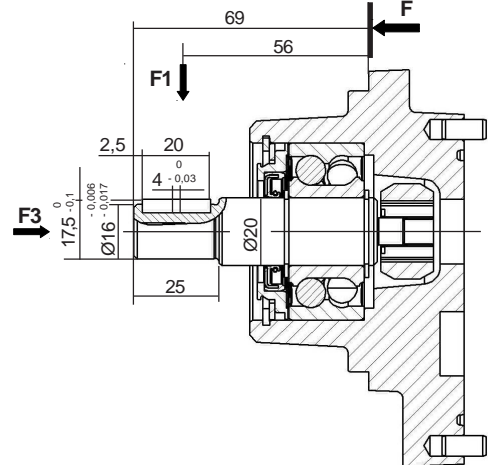
Maxi transmissible torque

70 N.m

Straight keyed

20

C03



F1 Maxi: 100 daN

F3 Maxi: 50 daN

Maxi transmissible torque

50 N.m

Dimensions readings and approximative characteristics subject to modifications.

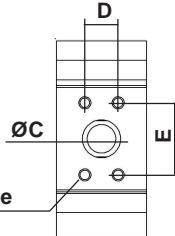
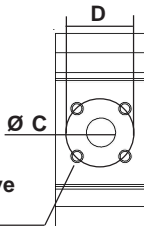
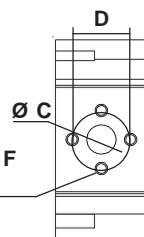
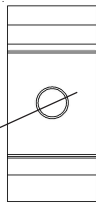
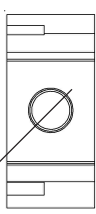
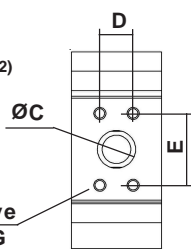

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Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					1 way rotation with counter pressure				2 ways rotation with counter pressure							
		M1		M2			M5		M6		M3							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE							
Capacity	INLET	OUTLET					INLET		OUTLET		INLET		OUTLET					
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET			
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
			2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20					
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
			2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14					
X (without ports)		2512 to 2522	Only with rear body Type A															

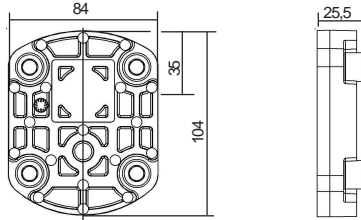
Dimensions readings and approximative characteristics subject to modifications.

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REAR BODIES for MOTORS M1 - M2

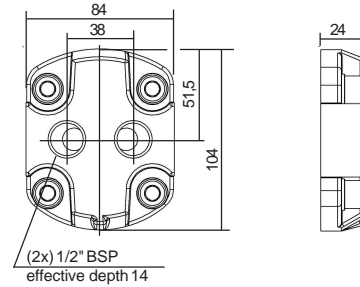
L

Standard



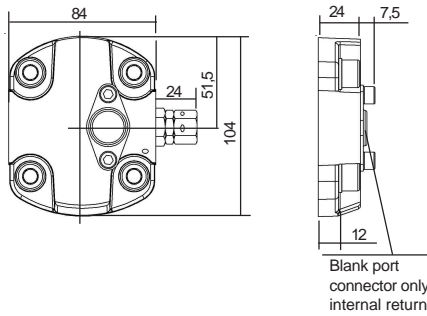
A

with ports



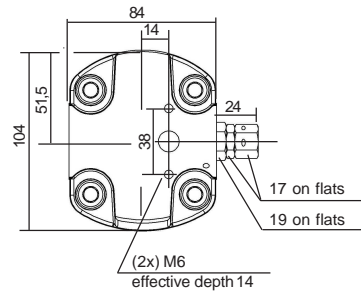
X

High pressure relief valve (Adjustable) Internal return



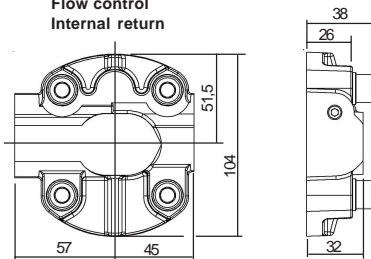
T

High pressure relief valve (Adjustable) External return



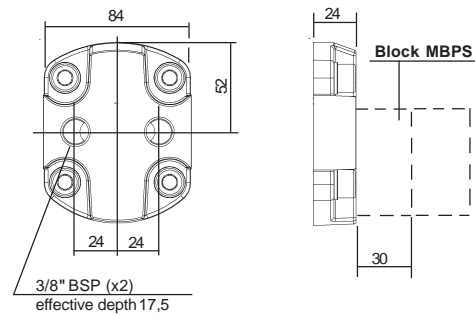
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

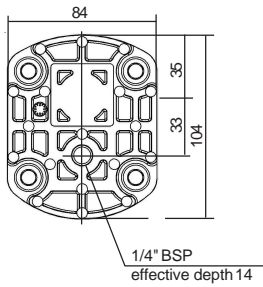
F.T 25 1473 3/5



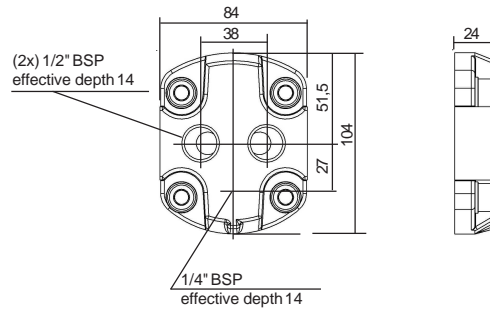
Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

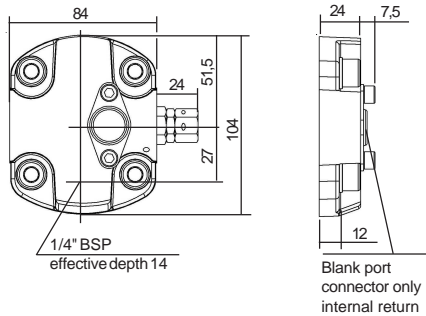
L
Standard



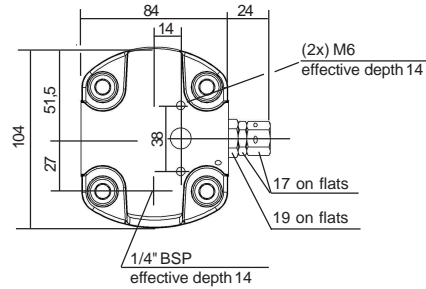
A
with ports



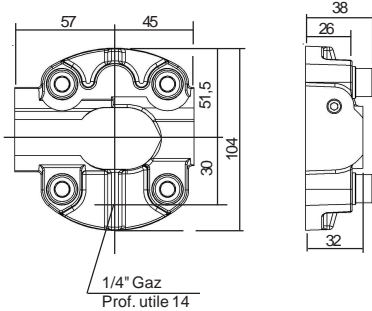
X
High pressure relief valve
(Adjustable) Internal return



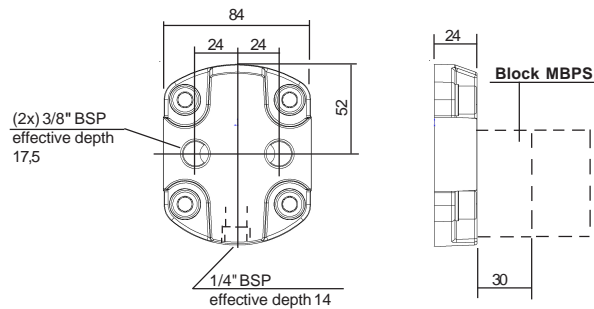
T
High pressure relief valve
(Adjustable) External return



Q
Flow control
Internal return



AR
Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1473 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

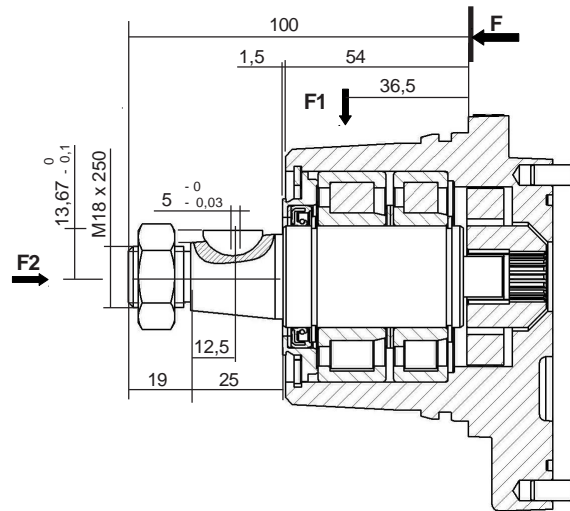
DRIVING SHAFTS

Tapered

10

C05

Taper 1/5



Delivered with nut: K106295

F1 Maxi: 350 daN

F2 Maxi: 50 daN

Maxi transmissible torque

70 N.m

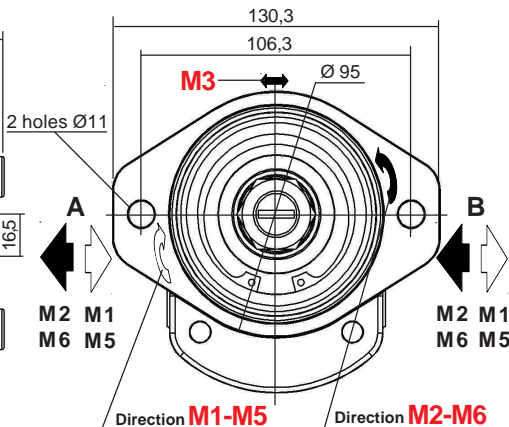
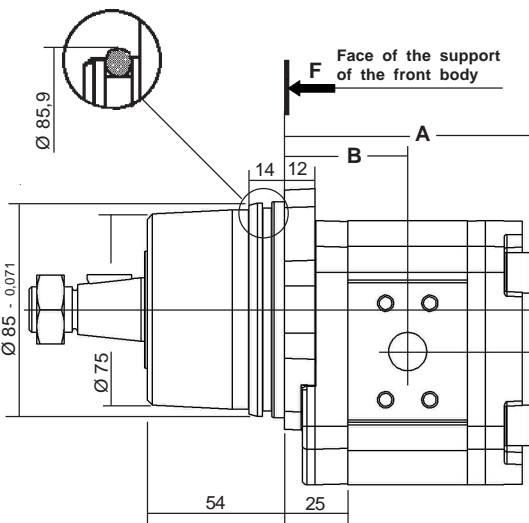
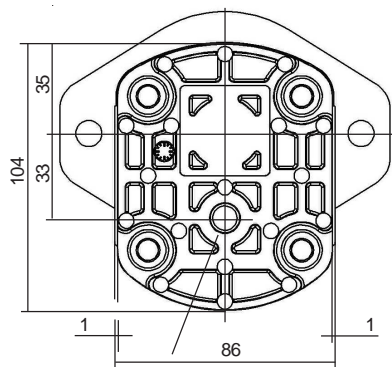
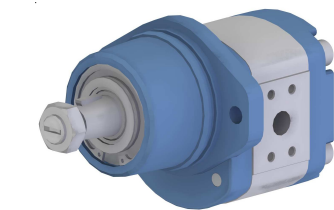
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1473 5/5

M II Sign AR K 2 5 VI Sign H L 1 0 C05 XII Sign

For CODIFICATION, see data sheet F.T R 0243

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
12	112	56
15 - 17 - 18 - 22	128	64

Seals kits:

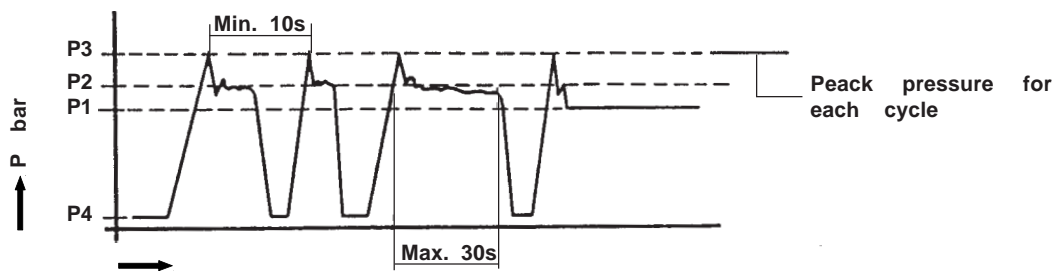
M1 - M2
Nitrile: K5069830 + K5069870 + K106139
Viton: K5069840 + K5069880 + K106139
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5071069 + K5069870 + K106139
Viton: K5071070 + K5069880 + K106139
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,8
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ²²⁵ bar	3500	3,1
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ²²⁵ bar	3500	3,2
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ¹⁷⁵ bar	///	3500	3,3
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ¹⁵⁰ bar	///	3500	3,4

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



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Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

Capacity		AFFECTATION															
		1 way rotation without counter pressure					1 way rotation with counter pressure				2 ways rotation with counter pressure						
		M1		M2			M5		M6		M3						
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	INLET	OUTLET						
H (HPI)	2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
		15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
C (Square)	2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
		15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
B (Italian)	2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
		15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)	2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
					1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)	2512				7/8" 14 UNF 2B	17				1" 5/16 12 UNF	20	A	B	B	A	B	A
					1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162)	2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		15	17,4	38	M8	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports)	2512 to 2522	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1474 2/5

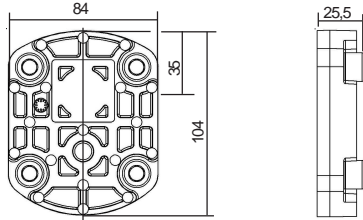


Consult us for availability

REAR BODIES for MOTORS M1 - M2

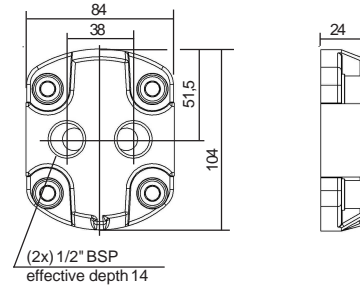
L

Standard



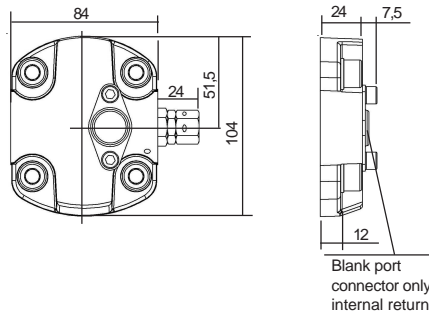
A

with ports



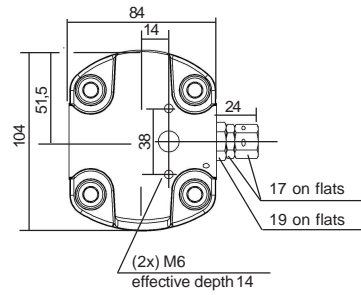
X

High pressure relief valve (Adjustable) Internal return



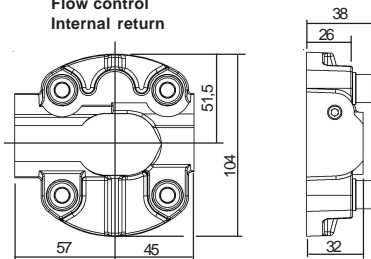
T

High pressure relief valve (Adjustable) External return



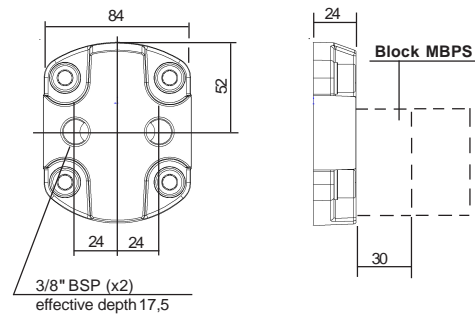
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

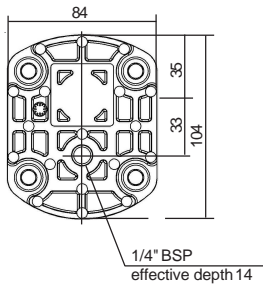
F.T 25 1474 3/5



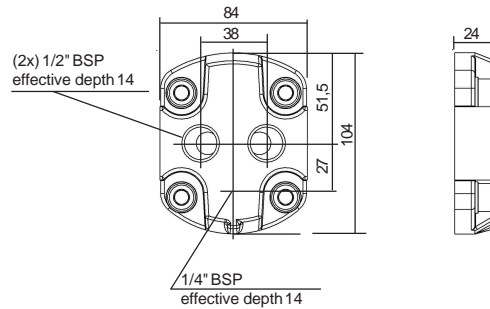
Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

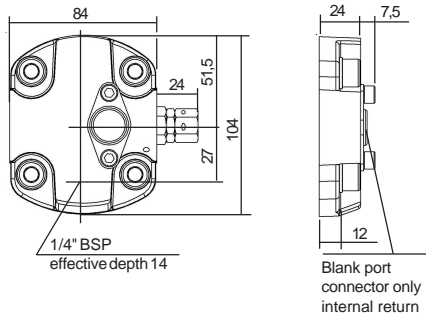
L
Standard



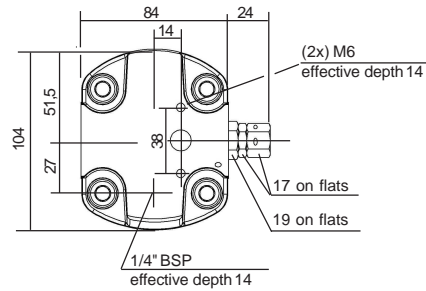
A
with ports



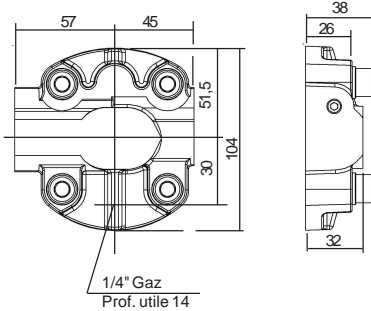
X
High pressure relief valve
(Adjustable) Internal return



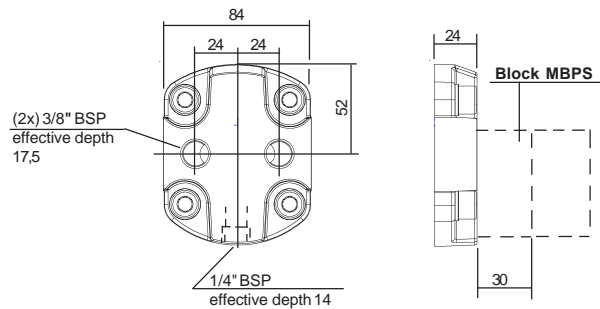
T
High pressure relief valve
(Adjustable) External return



Q
Flow control
Internal return



AR
Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

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Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

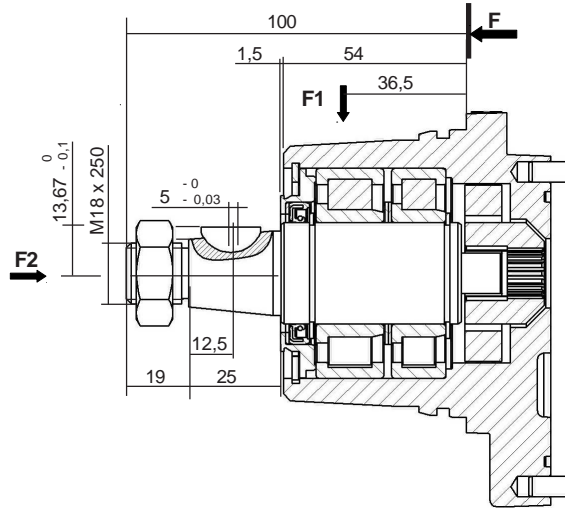
DRIVING SHAFTS

Tapered

10

C05

Taper 1/5



Delivered with nut: K106295

F1 Maxi: 350 daN

F2 Maxi: 50 daN

Maxi transmissible torque

70 N.m

Dimensions readings and approximative characteristics subject to modifications.

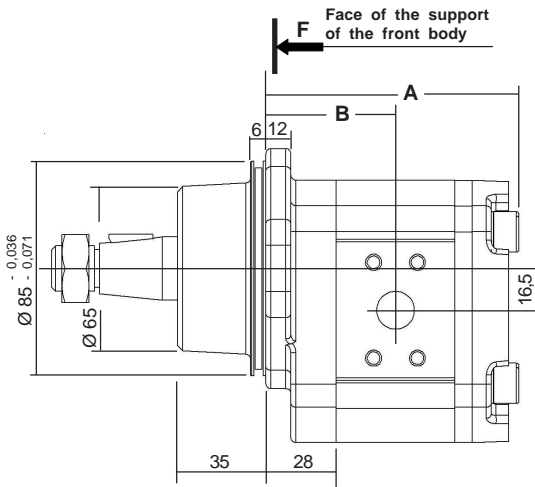
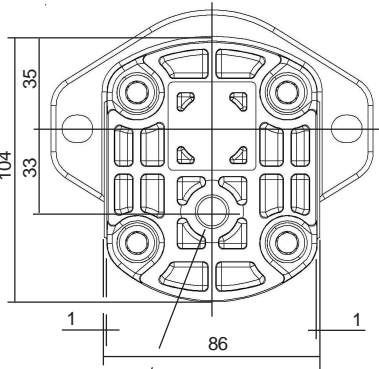
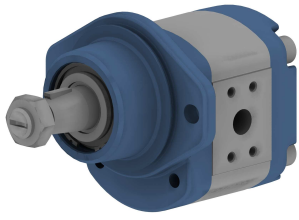
F.T 25 1474 5/5



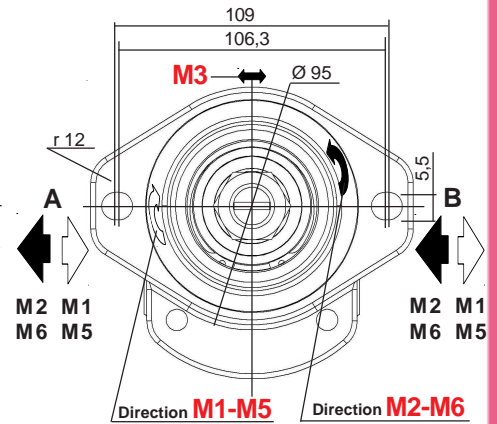
Consult us for availability

M II Sign AV P 25 VI Sign HL 10 C06 XII Sign

For CODIFICATION, see data sheet F.T.R 0243



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
12	115	58
15 - 17 - 18 - 22	131	67

Seals kits:

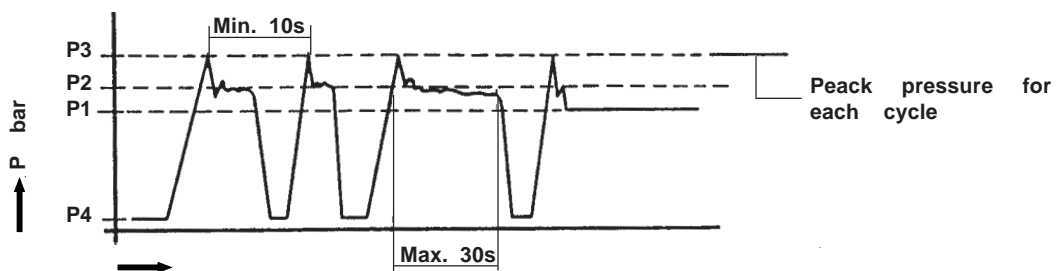
M1 - M2
Nitrile: K102672 + K5069830
Viton: K106190 + K5069840
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K102672 + K5071069
Viton: K106190 + K5071070
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg	
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar			
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI			
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,8	
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000	225 bar	3500	3,1
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000	225 bar	3500	3,2
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800	175 bar	3500	3,3	
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800	150 bar	3500	3,4	

On the hereunder indicated diagram, the maximum duty pressure are the following.

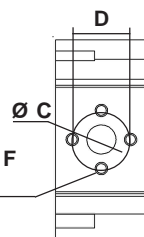
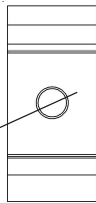
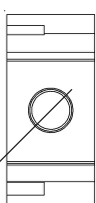
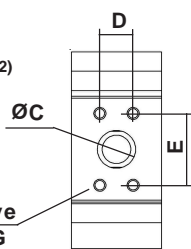

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure					1 way rotation with counter pressure				2 ways rotation with counter pressure						
		M1		M2			M5		M6		M3						
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE				
Capacity	INLET	OUTLET					INLET		OUTLET		INLET		OUTLET				
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET	INLET	OUTLET		
H (HPI) 	2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
	2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
C (Square) 	2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
	2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
B (Italian) 	2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
	2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded) 	2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
	2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475) 	2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
	2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162) 	2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
	2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports) 	2512 to 2522	Only with rear body Type A															

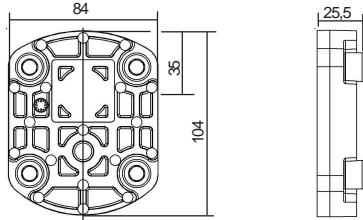
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1475 2/5

REAR BODIES for MOTORS M1 - M2

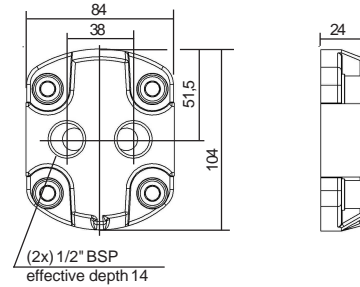
L

Standard



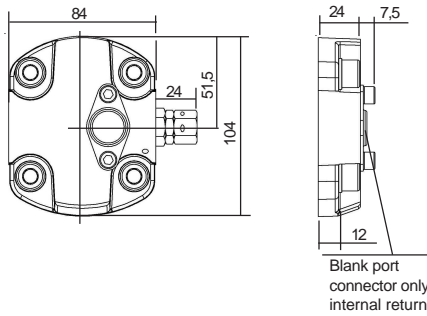
A

with ports



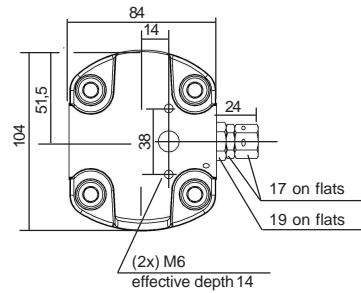
X

High pressure relief valve (Adjustable) Internal return



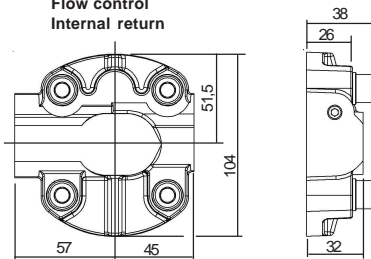
T

High pressure relief valve (Adjustable) External return



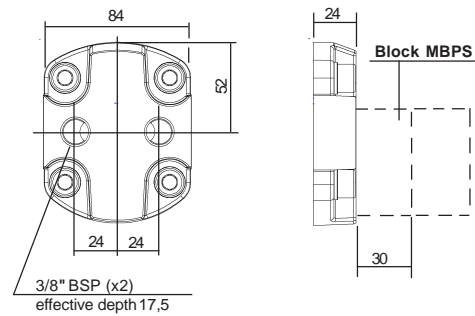
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1475 3/5

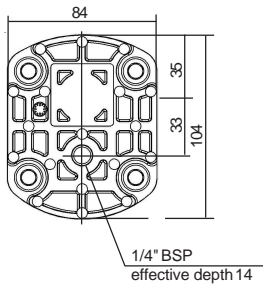


Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

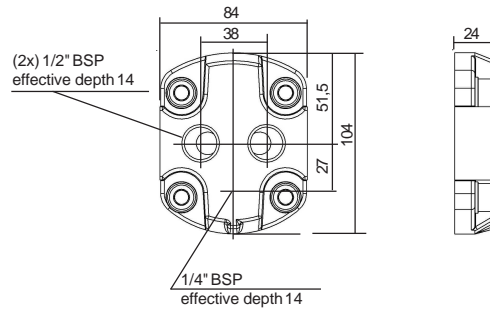
L

Standard



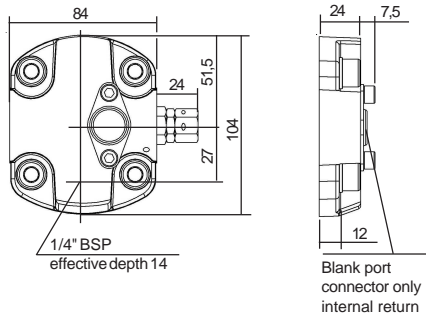
A

with ports



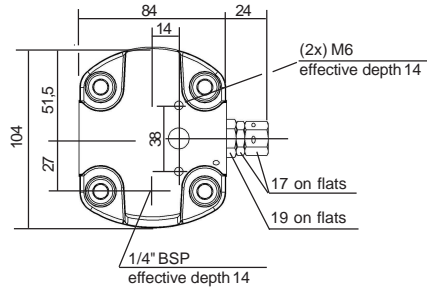
X

High pressure relief valve
(Adjustable) Internal return



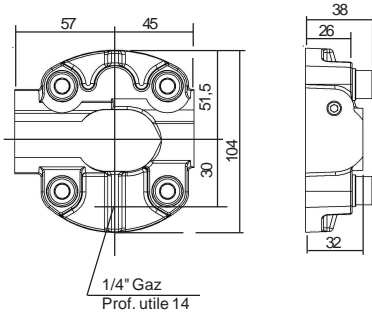
T

High pressure relief valve
(Adjustable) External return



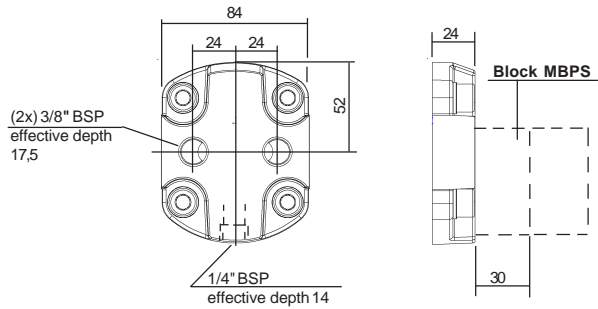
Q

Flow control
Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1475 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured



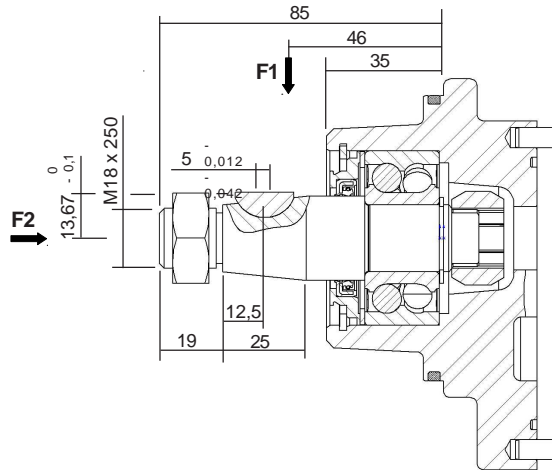
Consult us for availability

DRIVING SHAFT

Tapered

10

C06 Taper 1 / 5



Delivered with nut: K106295

F1 Maxi: 350 daN

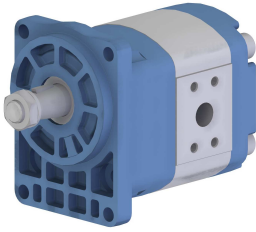
F2 Maxi: 50 daN

Maxi transmissible torque

70 m.daN

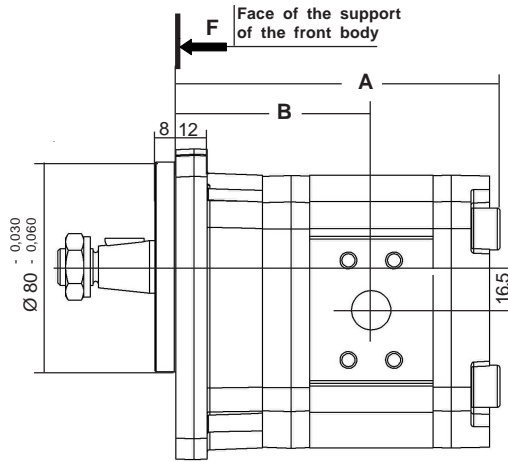
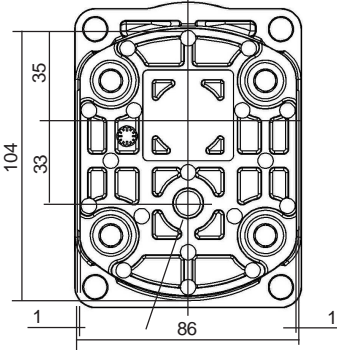
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1475 5/5

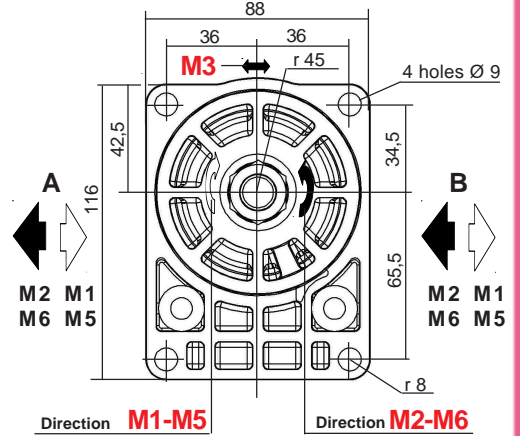


M II Sign **DBP** **25** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
12	138	82
15 - 17 - 18 - 22	154	90

Seals kits:

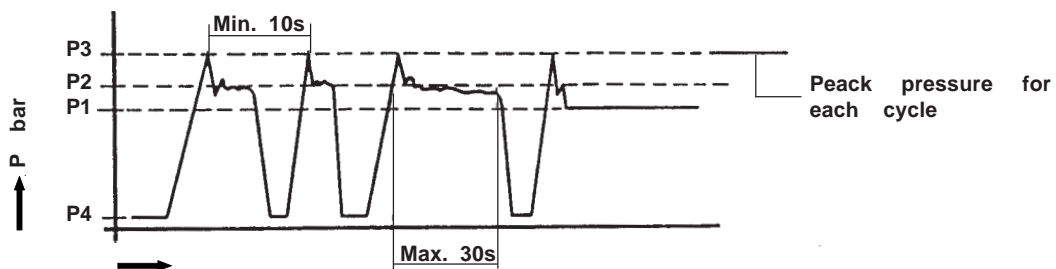
M1 - M2
Nitrile: **K5069870 + K5069830**
Viton: **K5069880 + K5069840**
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: **K5071067 + K5071069**
Viton: **K5071068 + K5071070**
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg	
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar			
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI			
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,8	
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000	225 bar	3500	3,1
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000	225 bar	3500	3,2
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800	175 bar	/	3500	3,3
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800	150 bar	/	3500	3,4

On the hereunder indicated diagram, the maximum duty pressure are the following.

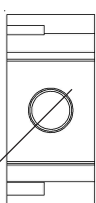
- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION															
		1 way rotation without counter pressure					1 way rotation with counter pressure				2 ways rotation with counter pressure						
		M1		M2			M5		M6		M3						
		ENTREE	SORTIE	ENTREE	SORTIE		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET					
Capacity	INLET	OUTLET															
		ØC	D	E	ØF	G	ØC	D	E	ØF	G	INLET	OUTLET				
H (HPI) 	2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
	2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
C (Square) 	2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
	2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
B (Italian) 	2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
	2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded) 	2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
	2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475) 	2512				7/8" 14 UNF 2B	17				1" 5/16 12 UNF	20	A	B	B	A	B	A
	2515 to 2522				1" 1/16 12 UNF 2B	20				1" 5/16 12 UNF 2B	20	A	B	B	A	B	A
Y (ISO 6162) 	2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
	2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14	A	B	B	A	B	A
X (without ports) 	2512 to 2522	Only with rear body Type A															

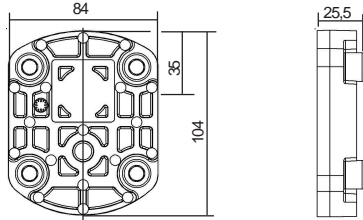
Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1476 2/5

REAR BODIES for MOTORS M1 - M2

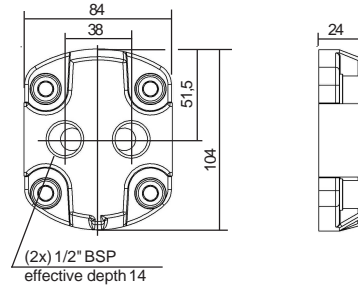
L

Standard



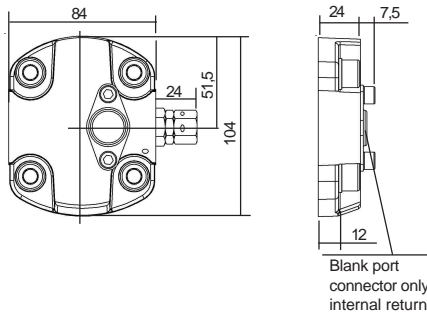
A

with ports



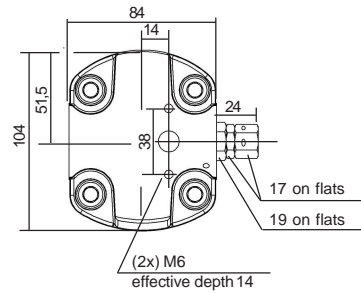
X

High pressure relief valve (Adjustable) Internal return



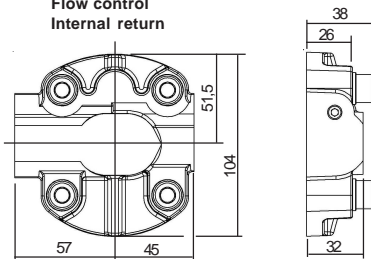
T

High pressure relief valve (Adjustable) External return



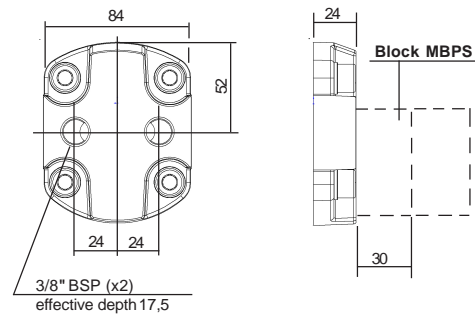
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

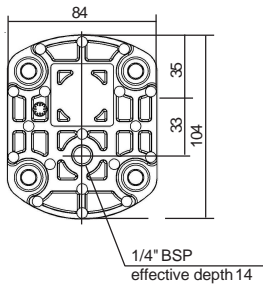
F.T 25 1476 3/5



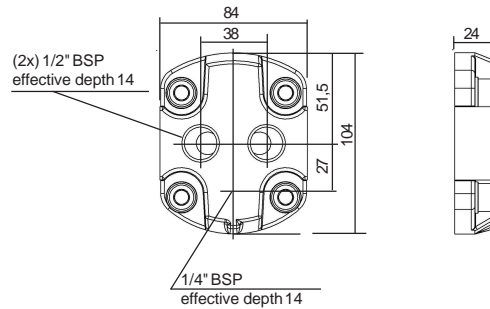
Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

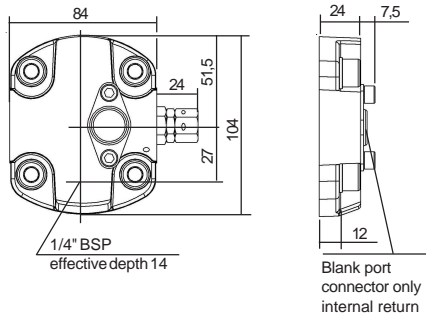
L
Standard



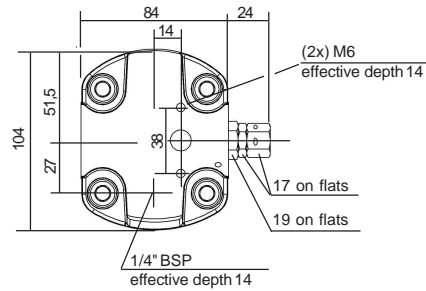
A
with ports



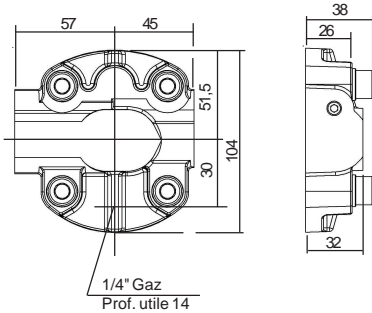
X
High pressure relief valve
(Adjustable) Internal return



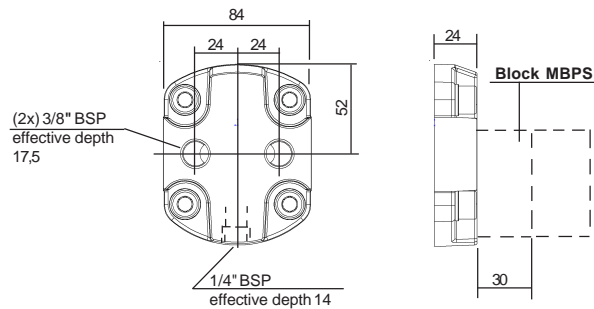
T
High pressure relief valve
(Adjustable) External return



Q
Flow control
Internal return



AR
Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1476 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

Consult us for availability

DRIVING SHAFTS

Tapered

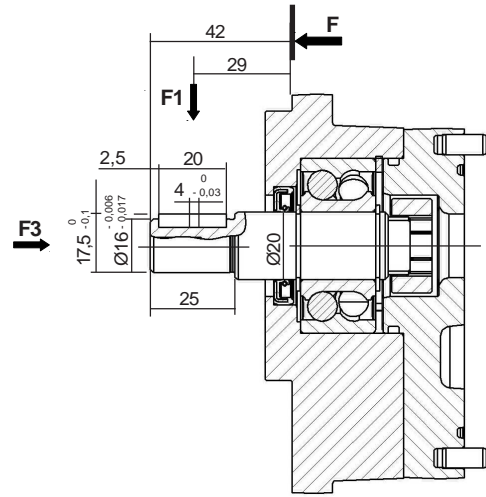
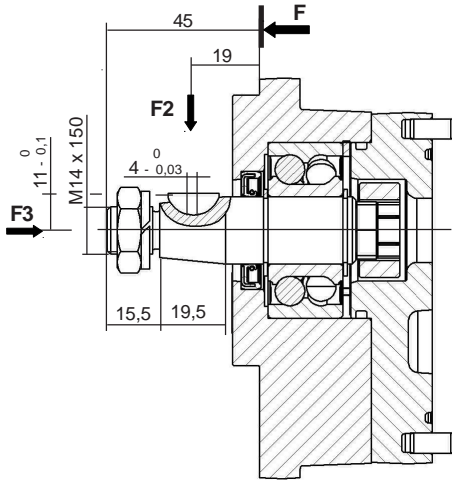
10

Straight keyed

20

C07 Taper 1 / 5

C15



Delivered with Nut: K102045

F2 Maxi: 120 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

F1 Maxi: 100 daN
F3 Maxi: 50 daN

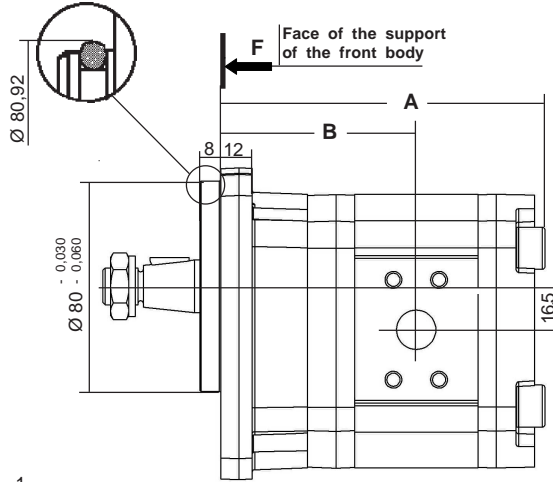
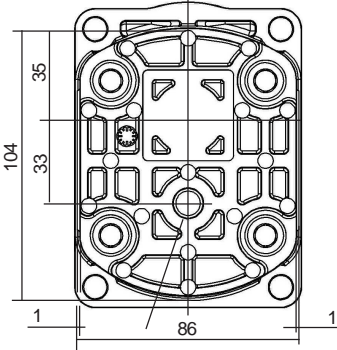
Maxi transmissible torque
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

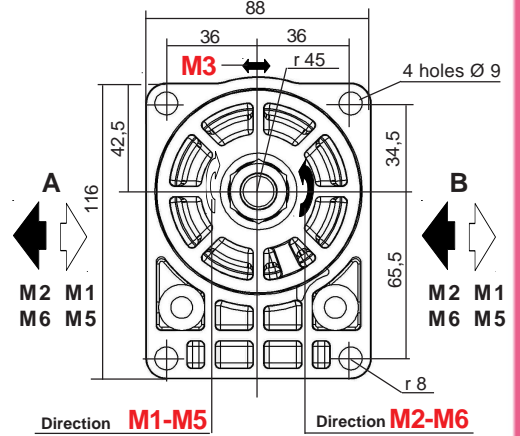
F.T 25 1476 5/5

M II Sign DBR 25 VI Sign HL IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R 0243



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Dimensions readings and approximative characteristics subject to modifications.

Drain port 1/4" BSP effective depth 14 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
35 N.m

CHOICE of the Capacity	Dimensions	
	A	B
12	138	82
15 - 17 - 18 - 22	154	90

Seals kits:

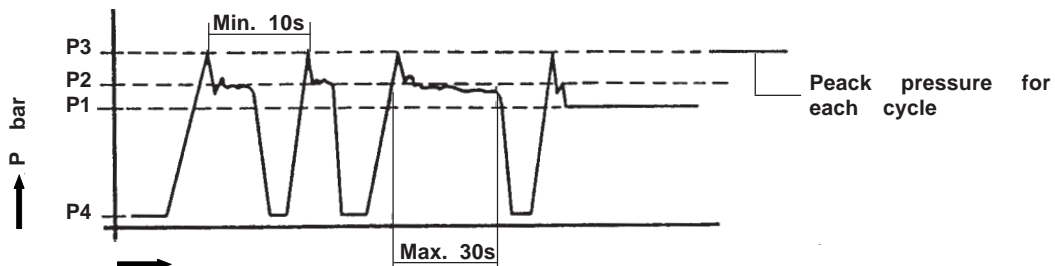
M1 - M2
Nitrile: K5069830 + K5069870 + K101517
Viton: K5069840 + K5069880 + K104406
(For manufacturer to since january 1984)

M3 - M5/M6
Nitrile: K5071069 + K5069870 + K101517
Viton: K5071070 + K5069880 + K104406
(For manufacturer to since february 1986)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
2512	12	250	3625	260	3770	280	4060	3000	3200	500	1000	1200	4000	2,8
2515	15,52	240	3480	250	3625	280	4060	3000	3000	500	800	1000 ^{225 bar}	3500	3,1
2517	17,3	225	3262	240	3480	250	3625	3000	3000	500	800	1000 ^{225 bar}	3500	3,2
2518	19,12	215	3115	225	3262	250	3625	3000	2800	500	800 ^{175 bar}	///	3500	3,3
2522	22,87	190	2755	205	2972	225	3262	3000	2800	500	800 ^{150 bar}	///	3500	3,4

On the hereunder indicated diagram, the maximum duty pressure are the following.

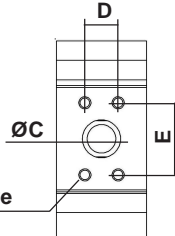
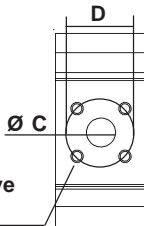
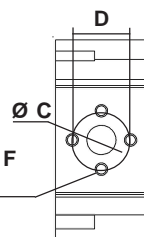
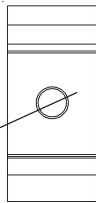
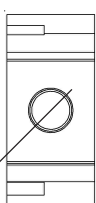
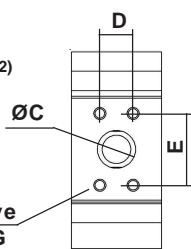

- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability


CHOICE of the IMPLANTATIONS of PORTS

Port connector, see our Catalogue N° 70

		AFFECTATION																
		1 way rotation without counter pressure					2 ways rotation with counter pressure											
		M1		M2			M3		M5		M6							
		ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE	ENTREE	SORTIE							
		1 way rotation with counter pressure		1 way rotation with counter pressure		M3		M5		M6								
		M5		M6		M3		M5		M6								
		INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET							
H (HPI)		2512 to 2522	15	17,4	22,4	M6	12	26	47,6	22,4	M6	12	A	B	B	A	B	A
C (Square)		2512 to 2522	15	35		M6	12	20	40		M6	12	A	B	B	A	B	A
B (Italian)		2512 to 2522	15	30		M6	13	23,5	40		M8	13	A	B	B	A	B	A
F (Threaded)		2512 to 2522				1/2" BSP	14				1" BSP	18	A	B	B	A	B	A
U (Threaded SAE J 475)		2512				7/8" 14 UNF 2B	17				1"5/16 12 UNF	20	A	B	B	A	B	A
		2515 to 2522				1"1/16 12 UNF 2B	20				1"5/16 12 UNF 2B	20						
Y (ISO 6162)		2512	15	17,4	38	M10	14	26	47,6	22,4	M8	14	A	B	B	A	B	A
		2515 to 2522	15	17,4	38	M8	14	26	52,4	26,2	M10	14						
X (without ports)		2512 to 2522	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

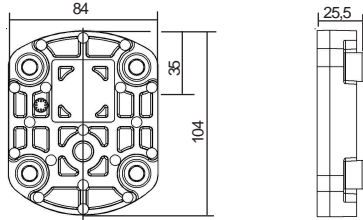
F.T 25 1477 2/5

 Consult us for availability

REAR BODIES for MOTORS M1 - M2

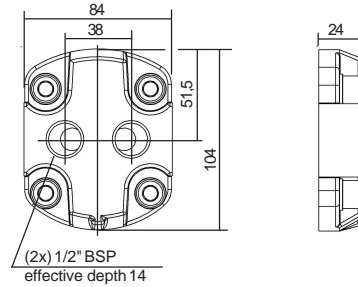
L

Standard



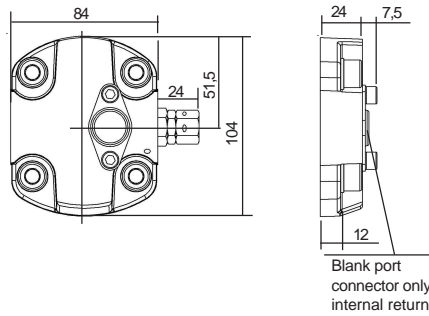
A

with ports



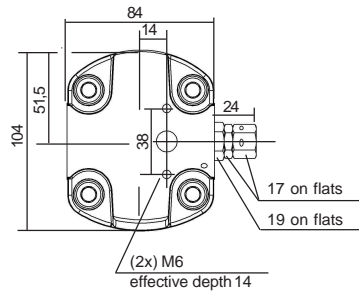
X

High pressure relief valve (Adjustable) Internal return



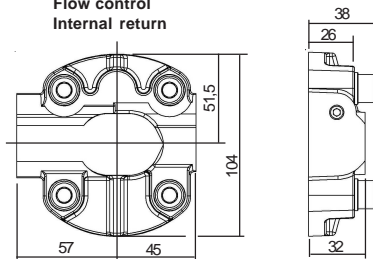
T

High pressure relief valve (Adjustable) External return



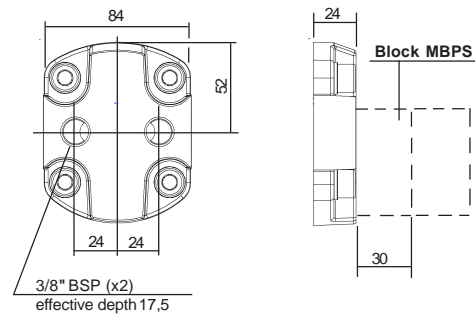
Q

Flow control Internal return



AR

Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

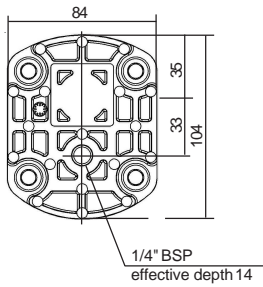
F.T 25 1477 3/5



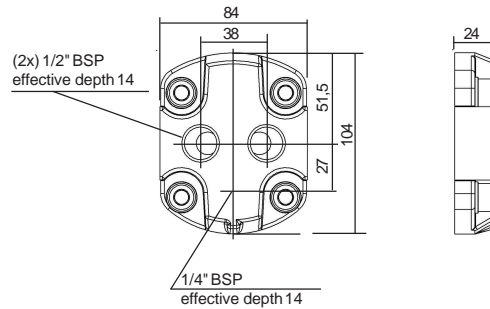
Consult us for availability

REAR BODIES for MOTORS M3 - M5 - M6

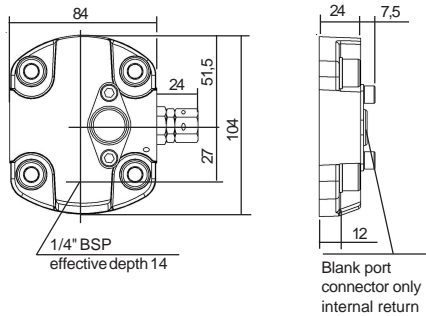
L
Standard



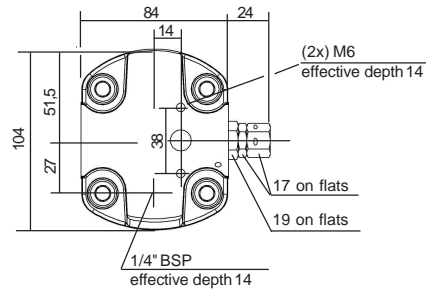
A
with ports



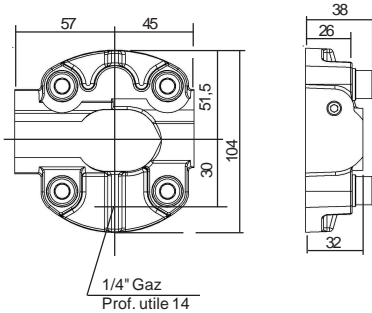
X
High pressure relief valve
(Adjustable) Internal return



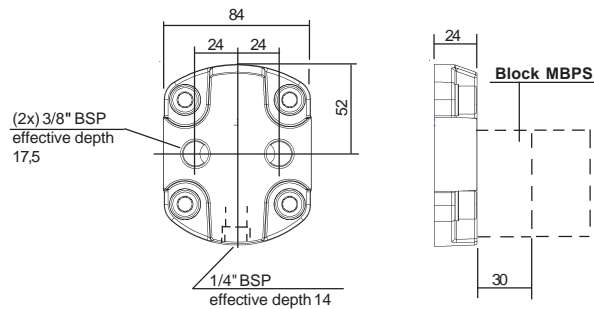
T
High pressure relief valve
(Adjustable) External return



Q
Flow control
Internal return



AR
Mounting with block configuration MBPS



Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1477 4/5

Code	Versions		
	M3	M5	M6
L			
A			
X			
T			
Q			
AR			

Versions not manufactured

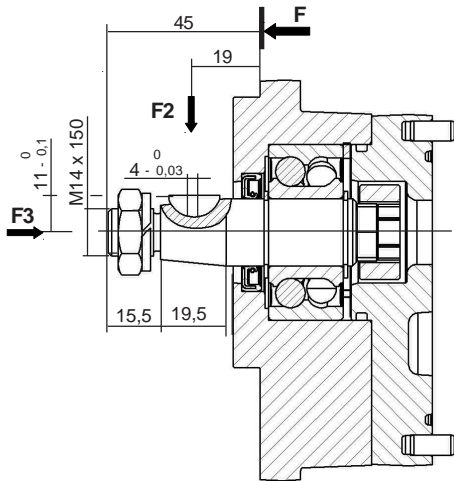
Consult us for availability

DRIVING SHAFTS

Tapered

10

C07 Taper 1 / 5



Delivered with Nut: K102045

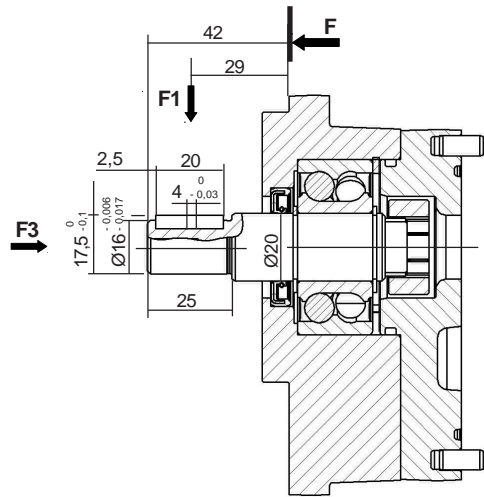
F2 Maxi: 120 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

Straight keyed

20

C15



F1 Maxi: 100 daN
F3 Maxi: 50 daN

Maxi transmissible torque
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 25 1477 5/5



Consult us for availability

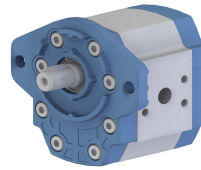
VORSTELLUNG MOTOREN
REIHE 3

- FLACHER VORDERKÖRPER



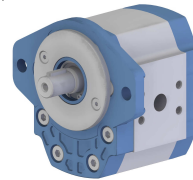
F.T 30 1478

MOTOR **AAN**



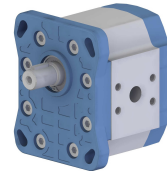
F.T 30 1479

MOTOR **AAK**



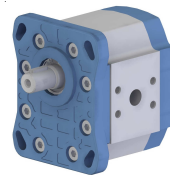
F.T 30 1480

MOTOR **BAN**



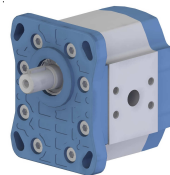
F.T 30 1481

MOTOR **CBN**



F.T 30 1482

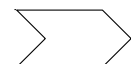
MOTOR **CBK**



F.T 30 1483

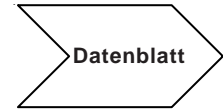
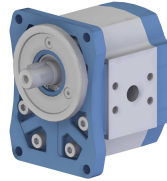


Auf Anfrage verfügbar



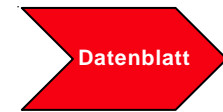
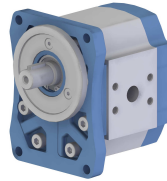
- FLACHER VORDERKÖRPER (Folge)

MOTOR **DBN**

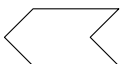


F.T 30 1484

MOTOR **DBK**



F.T 30 1485



Auf Anfrage verfügbar

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	7,5
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	7,6
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8

The working cycles mentioned above are possible with hydraulic mineral oil for between 12 and 150Cst - 65,2 and 700 SUS..

The minimum viscosity of 12 Cst / 65,2 SUS is available for a maximum temperature in the hydraulic circuit.

Working temperatures : - 20 °C (4 °F) to + 80 °C (176 °F) (140 °C / 284 °F with Viton shaft seal).

Full flow filtration from to 10 to 15 micron at the motor inlet or the return circuit.

MAXIMUM PRESSURE:

For the motors with one direction of rotation (M1/M2), the outlet pressure must not exceed 1 bar.

For the motors with two directions of rotation (M5/M6), the pressure in the drain line must not exceed 1 bar.

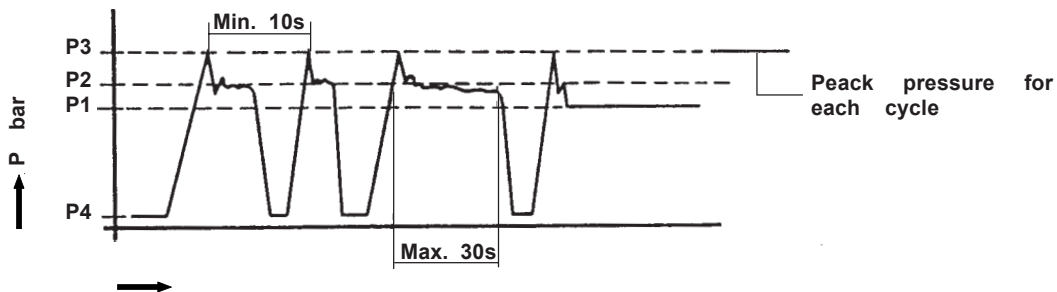
For the motors with two directions of rotation (M3), the pressure in the drain line must not exceed 1 bar.

For the working conditions exceeding the above mentioned cycles or in case of torque transmission by driving belt, chain or toothed wheel, please contact our sales department.

(The tests are effected with the oil SHELL Tellus T 46)

The above technical data are valid for motor transmitting the torque by an elastic coupling, perfectly aligned, without any outside radial and axial forces.

Dimensions readings and approximative characteristics subject to modifications.



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

F.T 30 1478 1/10

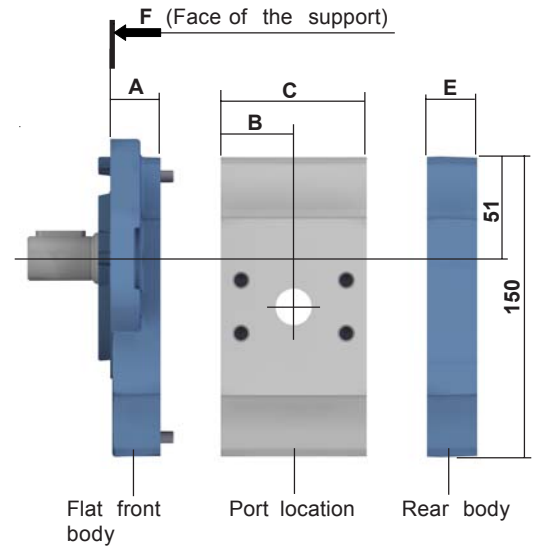
Consult us for availability

CORPS AVANT PLAT

Flat front bodies:	A
AAN / AAK - BAN	25
CBN / CBK - DBN / DBK	

Port location (capacity):	B	C
3020 - 3025 - 3031 - 3040	36,3	72,7
3050 - 3060	49,5	99,2
3071 - 3080 - 3090 - 3100	59,2	119,2

Rear bodies:	E
L	25
A - V	33



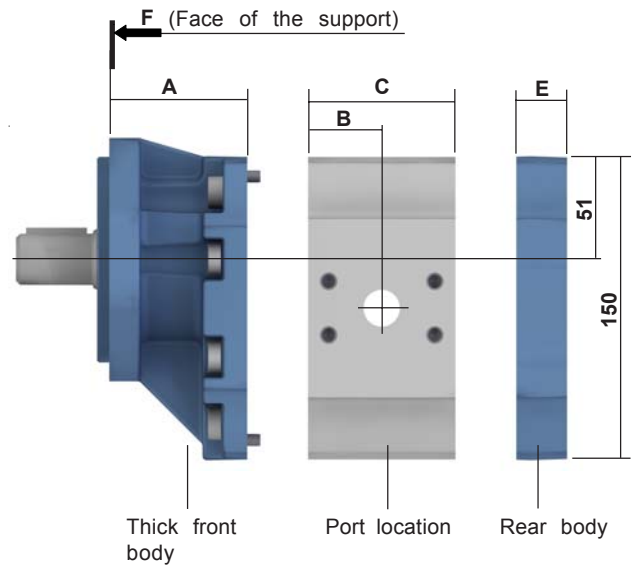
Dimensions readings and approximative characteristics subject to modifications.

THICK FRONT BODIES

Thick front bodies:	A
AAP - ABP / ABR	68
ADP / ADR	
ADF	120

Port location (capacity):	B	C
3020 - 3025 - 3031 - 3040	36,3	72,7
3050 - 3060	49,5	99,2
3071 - 3080 - 3090 - 3100	59,2	119,2

Rear bodies:	E
L	25
A - V	33



F.T 30 1478 2/10



Consult us for availability

M	II Sign	III Sign	IV Sign	3	VI Sign	VII Sign	VIII Sign	IX Sign	X Sign	XI Sign	XII Sign
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For CODIFICATION, see data sheet **F.T.R 0243**

DIRECTION OF ROTATION (II Sign)						FLAT FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)			REAR BODIES (VIII Sign)			DRIVING SHAFTS (IX, X and XI Sign)			
M1	M2	M3	M5	M6				H	B	X	L	A	V*	TAPERED 10	STRAIGHT KEYED 20	SPLINNED 30	TANG 40
X	X	X	X	X		AAN / AAK 	3025 3031 3040 3050 3060 3071 3080 3090 3100										
X	X	X	X	X		BAN 											
X	X	X	X	X		CBN / CBK 							10 B03 10 B04 10C04	20 A02 20 C04	30 A02 30 C03 30 C07	40 C04	
X	X	X	X	X		DBN / DBK 											
X	X	X	X	X													

* only for Motors M1 / M2 (without counter pressure)

LEGENDES

DIRECTION of ROTATION

- M1** = Clockwise without counter pressure
- M2** = Anti clockwise without counter pressure
- M3** = Bi directional with counter pressure
- M5** = Clockwise with counter pressure
- M6** = Anti clockwise with counter pressure

FRONT BODIES

- A**** = Fixing SAE and ISO
- BAN** = Fixing english and Italian
- CB*** = Fixing French
- DB*** = Fixing German
- A**** = Fixation SAE et ISO
- BAN** = Fixation Anglaise et Italienne
- CB*** = Fixation Française
- DB*** = Fixation Allemande

PORT LOCATION

- H** = HPI Location
- B**** = Italian location
- X** = without port

REAR BODIES

- L** = Standard
- A** = with ports
- X** = low pressure relief valve Internal return





Dimensions readings and approximative characteristics subject to modifications.

F.T. 30 1478 3/10

Consult us for availability

M **II** **III** **IV** **3** **VI** **VII** **VIII** **IX** **X** **XI** **XII**
 Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign Sign

For CODIFICATION, see data sheet **F.T.R 0243**

DIRECTION OF ROTATION (II Sign)					THICK FRONT BODIES (III and IV Sign)	CAPACITY (V and VI Sign)	PORT LOCATION (VII Sign)			REAR BODIES (VIII Sign)			DRIVING SHAFTS (IX, X and XI Sign)			
M1	M2	M3	M5	M6			H	B	X	L	A	V*	TAPERED	STRAIGHT KEYED	SPLINNED	TANG
X	X	X	X	X	AAP 											
X	X	X	X	X	ABP / ABR 	3025 3031 3040 3050						20 A04 20 A05 20 A07	30 A04 30 A19 30 A20			
X	X	X	X	X	ADP / ADR 	3060 3071 3080 3090 3100										
X	X	X	X	X	ADF 							20 A05				

* only for Motors **M1 / M2** (without counter pressure)

LEGENDES

DIRECTION of ROTATION

- M1** = Clockwise without counter pressure
- M2** = Anti clockwise without counter pressure
- M3** = Bi directional with counter pressure
- M5** = Clockwise with counter pressure
- M6** = Anti clockwise with counter pressure

FRONT BODIES

A** = Fixing SAE and ISO

PORT LOCATION


- H** = HPI Location
- B** = Italian location
- X** = without port

REAR BODIES

- L** = Standard
- A** = with ports
- X** = low pressure relief valve Internal return

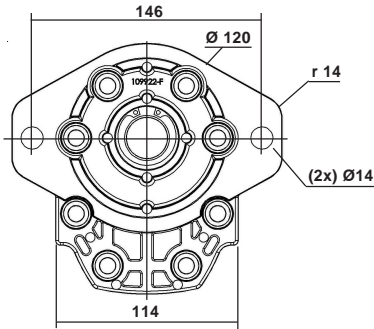
Dimensions readings and approximative characteristics subject to modifications.

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 Consult us for availability

CORPS AVANT PLAT

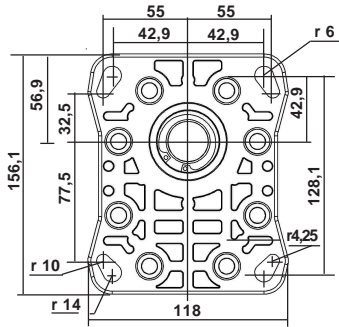
AAN / AAK



Centering: $\varnothing 101,6 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$
Thickness: 6,35 (AAN) 8,1 (AAK)

AAN : F.T 30 1479
AAK : F.T 30 1480

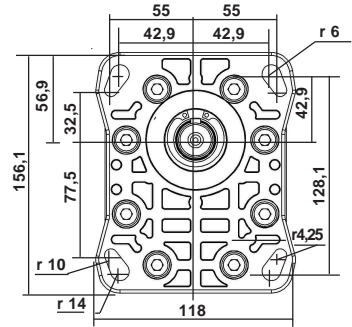
BAN



Centering: $\varnothing 50,78 \begin{smallmatrix} 0 \\ -0,05 \end{smallmatrix}$
Thickness: 5

BAN : F.T 30 1481

CBN / CBK



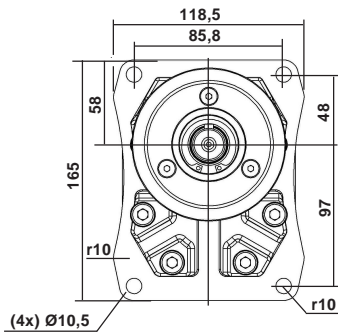
Centering: $\varnothing 65 \begin{smallmatrix} 0,03 \\ 0,06 \end{smallmatrix}$
Thickness: 5

CBN : F.T 30 1482
CBK : F.T 30 1483

Centering: $\varnothing 22$
Thickness: 4

Dimensions readings and approximative characteristics subject to modifications.

DBN / DBK



Centering: $\varnothing 105 \begin{smallmatrix} -0,036 \\ -0,071 \end{smallmatrix}$
Thickness: 8

DBN : F.T 30 1484
DBK : F.T 30 1485

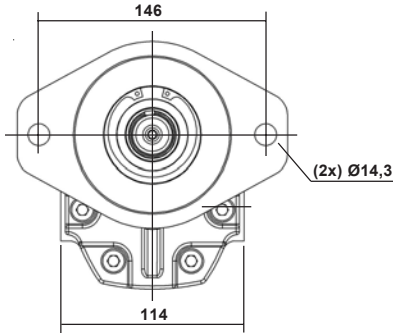
F.T 30 1478 5/10



Consult us for availability

CORPS AVANT EPAIS

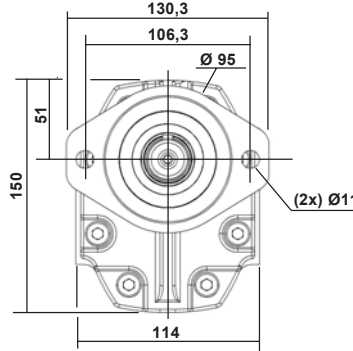
AAP



Centering: $\varnothing 101,6 \begin{smallmatrix} -0 \\ -0,05 \end{smallmatrix}$
Thickness: 6,35

AAP : F.T 30 1486
AAR : F.T 30 1487

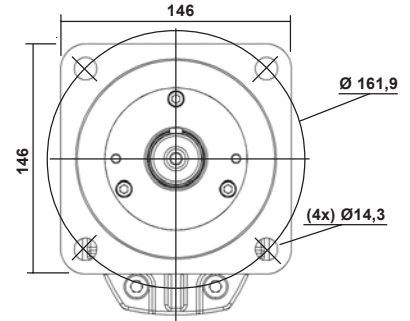
ABP / ABR



Centering: $\varnothing 82,55 \begin{smallmatrix} -0 \\ -0,05 \end{smallmatrix}$
Thickness: 6,35

ABP : F.T 30 1488
ABR : F.T 30 1489

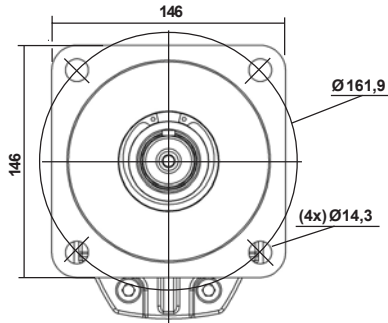
ADF



Centering: $\varnothing 127 \begin{smallmatrix} -0 \\ -0,05 \end{smallmatrix}$
Thickness: 6,35

ADF : F.T 30 1490

ADP / ADR



Centering: $\varnothing 127 \begin{smallmatrix} -0 \\ -0,05 \end{smallmatrix}$
Thickness: 6,35

ADP : F.T 30 1491
ADR : F.T 30 1492

Dimensions readings and approximative characteristics subject to modifications.

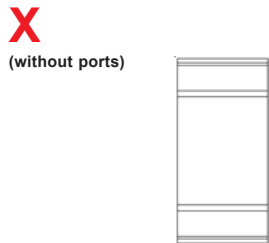
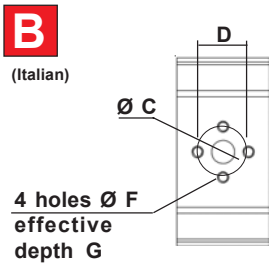
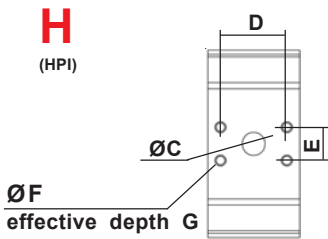
F.T 30 1478 6/10



Consult us for availability

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

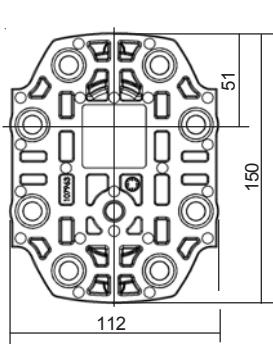
F.T 30 1478 7/10

Consult us for availability

REAR BODIES for MOTORS M1 - M2

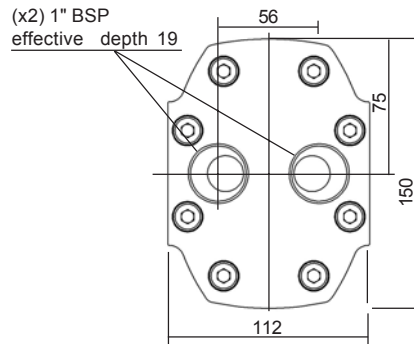
L

Standard



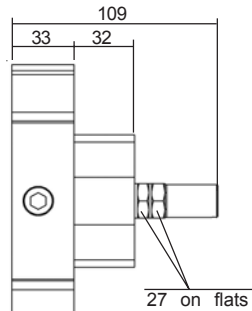
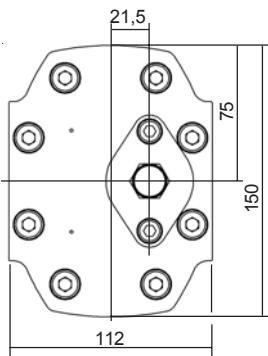
A

with ports



V

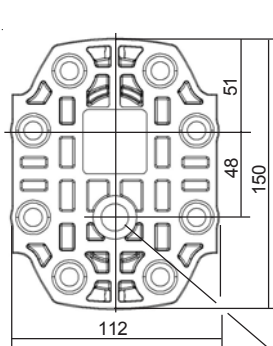
Low pressure relief valve
(Adjustable) Internal return



REAR BODIES for MOTORS M3 - M5 - M6

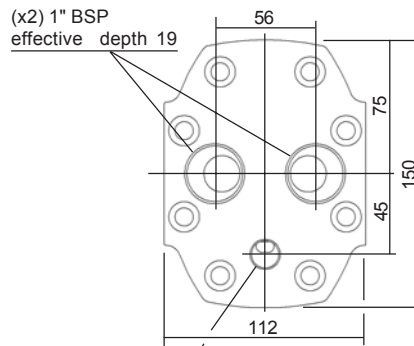
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

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DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

Straight keyed

20

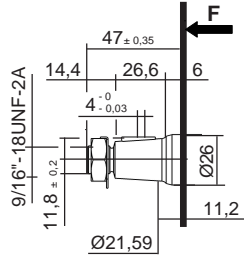
Splined

30

Tang

40

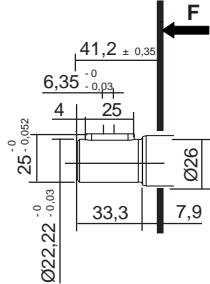
B03 Taper 1 / 8



Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945

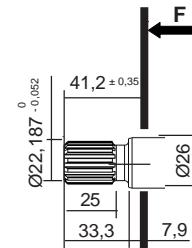
Maxi transmissible torque
530 N.m

A02



Maxi transmissible torque
290 N.m

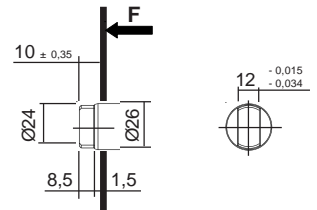
A02



Involute spline SAE Standard 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle

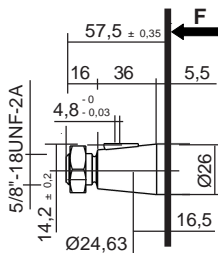
Maxi transmissible torque
390 N.m

C04



Maxi transmissible torque
70 N.m

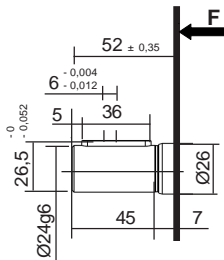
B04 Taper 1 / 8



Delivered with Nut Ref.: K101877

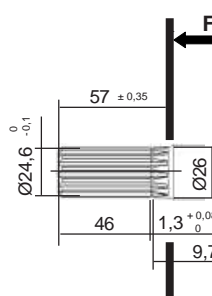
Maxi transmissible torque
800 N.m

C04



Maxi transmissible torque
320 N.m

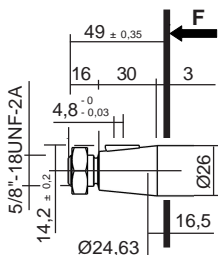
C03



Involute spline shaft 25 x 13 x 1,667 to standard NF E 22 141 - BNA 455 Spigot on free flanks

Maxi transmissible torque
66,5 N.m

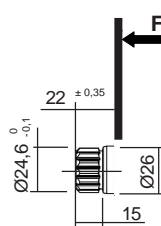
C04 Taper 1 / 5



Delivered with Nut Ref.: K101712

Maxi transmissible torque
800 N.m

C07



Involute spline shaft 25 x 13 x 1,667 to standard NF E 22 141 - BNA 455 Spigot on free flanks

Maxi transmissible torque
48 N.m

Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

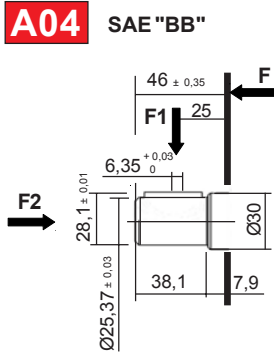
DRIVING SHAFTS

Tapered
10

Straight keyed
20

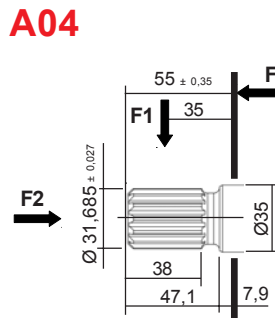
Splined
30

Tang
40



F1 = 140 daN
F2 = 50 daN

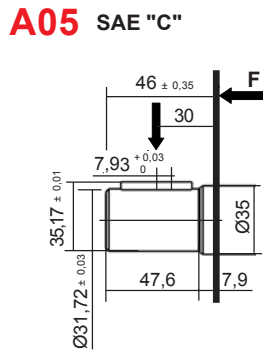
Maxi transmissible torque
340 N.m



F1 = 120 daN
F2 = 50 daN

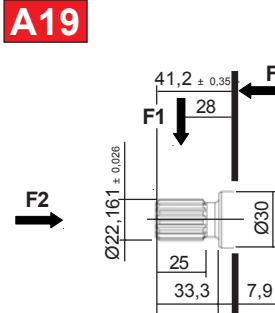
Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
500 N.m



F1 = 140 daN
F2 = 50 daN

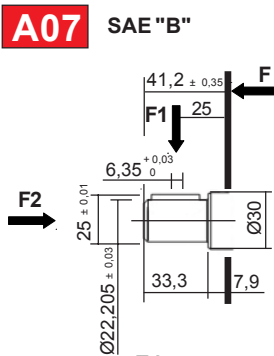
Maxi transmissible torque
430 N.m



F1 = 120 daN
F2 = 50 daN

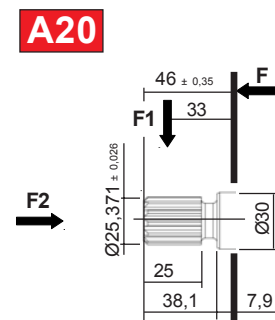
Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
290 N.m



F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
490 N.m

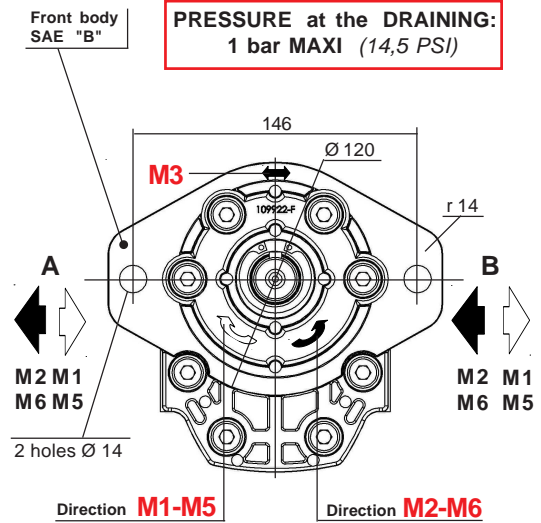
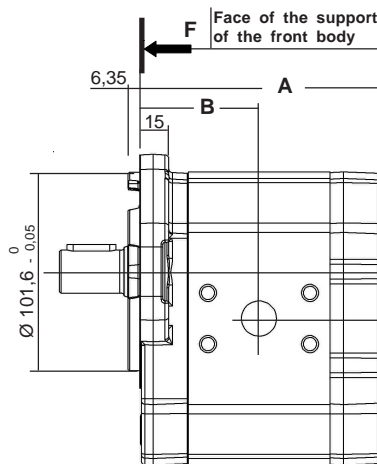
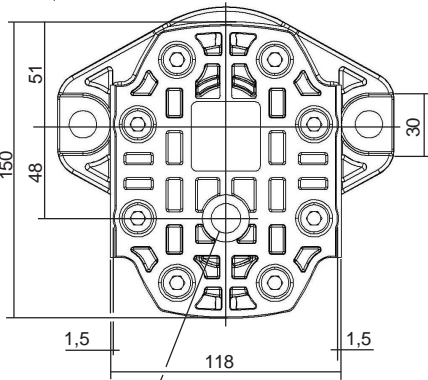
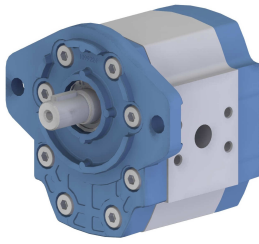
Consult us for availability

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1478 10/10

M II Sign **AA** **N** **3** VI Sign **H** **L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

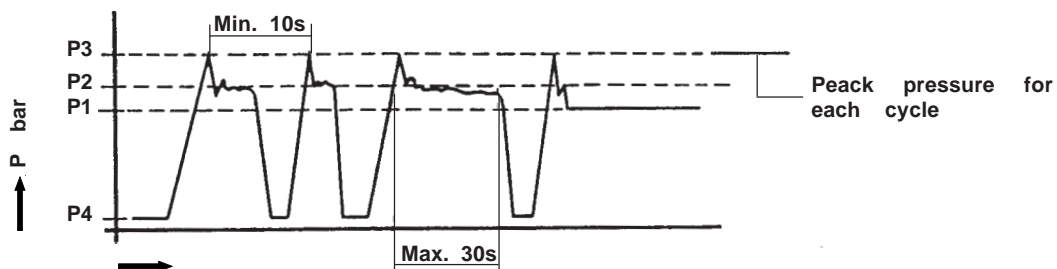
Seal kits:
M1 - M2
Nitrile: K507041 Viton: K507042
(For the manufacturings from october 1991)
M3 - M5/M6
Nitrile: K5071071 Viton: K5071072
(For the manufacturings from april 1987)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	7
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	7,1
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8

On the hereunder indicated diagram, the maximum duty pressure are the following.

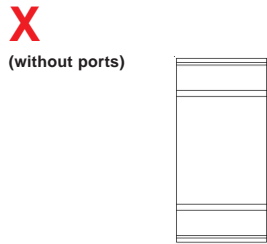
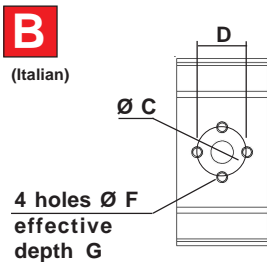
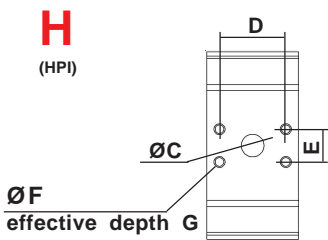
- P1** Maximum pressure in continuous duty
- P2** Maximum pressure in intermittent duty
- P3** Max. Allowable peak pressure
- P4** Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

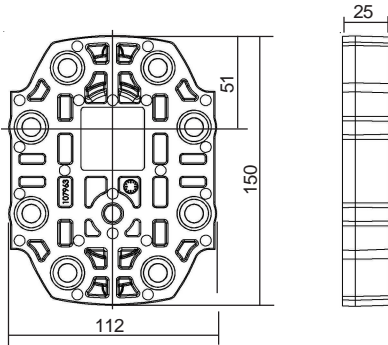
F.T 30 1479 2/4

Consult us for availability

REAR BODIES for MOTORS M1 - M2

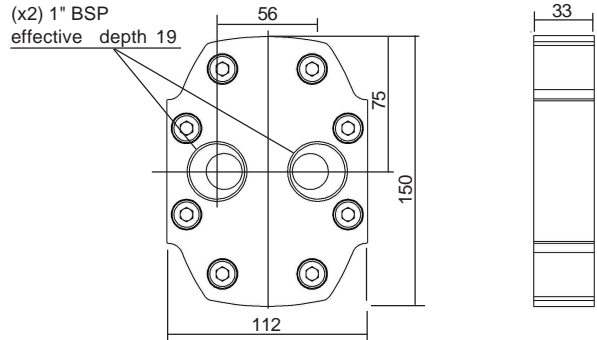
L

Standard



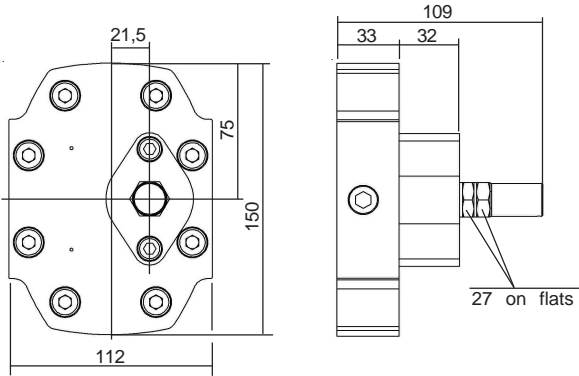
A

with ports



V

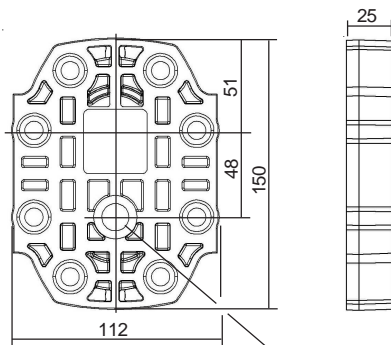
Low pressure relief valve
(Adjustable) Internal return



REAR BODIES for MOTORS M3 - M5 - M6

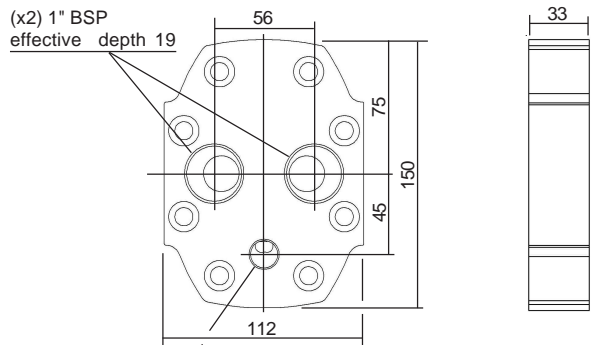
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1479 3/4

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

Straight keyed

Splined

Tang

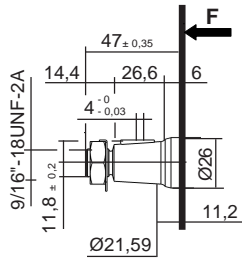
10

20

30

40

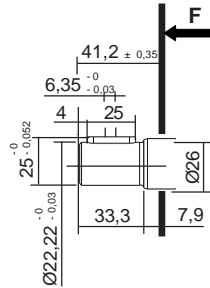
B03 Taper 1 / 8



Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945

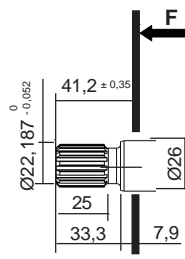
Maxi transmissible torque
530 N.m

A02



Maxi transmissible torque
290 N.m

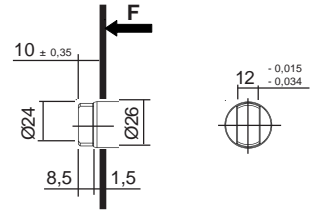
A02



Involute spline SAE Standard
13 teeth - 7/8" -
Diametral Pitch 16/32
30° Pressure angle

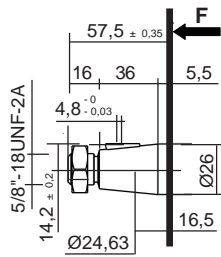
Maxi transmissible torque
390 N.m

C04



Maxi transmissible torque
70 N.m

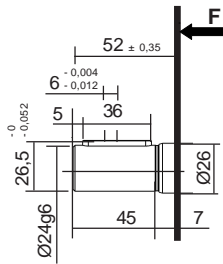
B04 Taper 1 / 8



Delivered with Nut Ref.: K101877

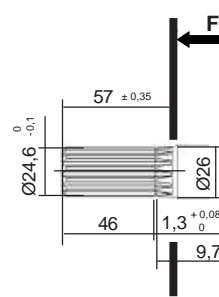
Maxi transmissible torque
800 N.m

C04



Maxi transmissible torque
320 N.m

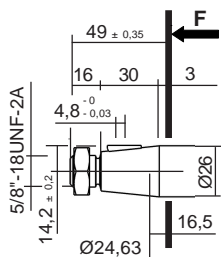
C03



Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
66,5 N.m

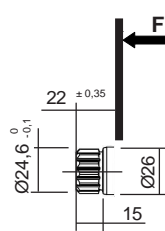
C04 Taper 1 / 5



Delivered with Nut Ref.: K101712

Maxi transmissible torque
800 N.m

C07



Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
48 N.m

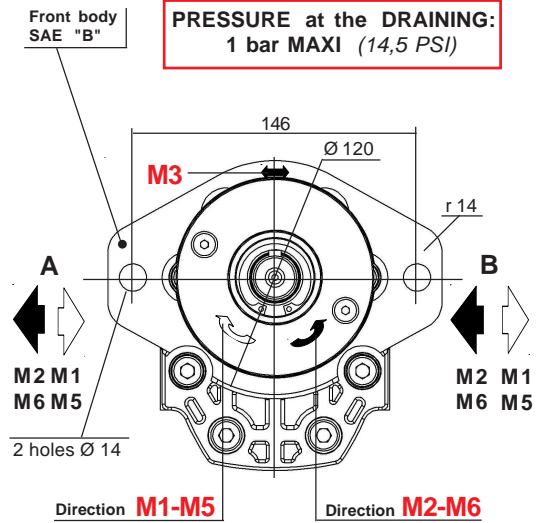
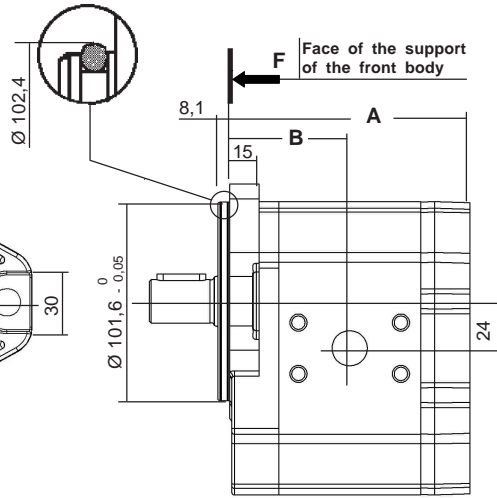
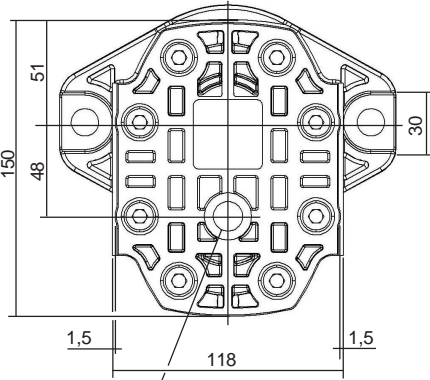
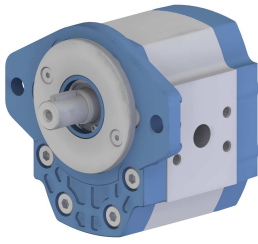
Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1479 4/4

Consult us for availability

M II Sign **AAK** 3 VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)

Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

Seal kits:

M1 - M2

Nitrile: K507041 + K107081
Viton: K507042 + K107045

(For the manufacturings from october 1991)

M3 - M5/M6

Nitrile: K5071071 + K107081
Viton: K5071072 + K107045

(For the manufacturings from april 1987)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	7
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	7,1
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8

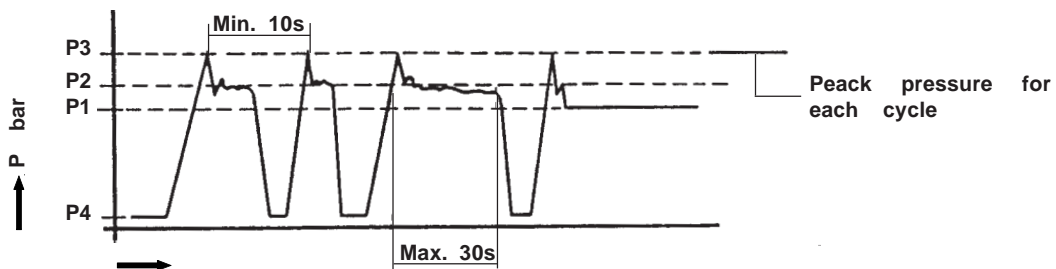
On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty

P2 Maximum pressure in intermittent duty

P3 Max. Allowable peak pressure

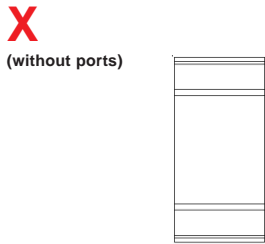
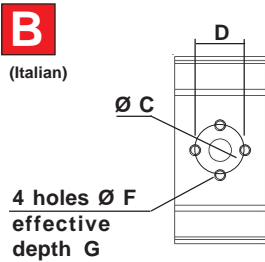
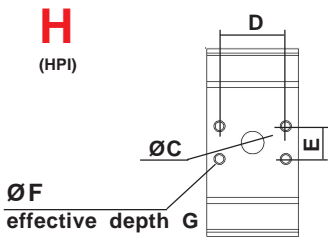
P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

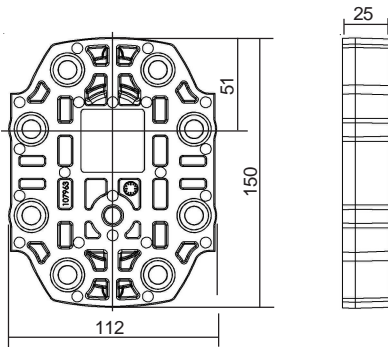
F.T 30 1480 2/4

Consult us for availability

REAR BODIES for MOTORS M1 - M2

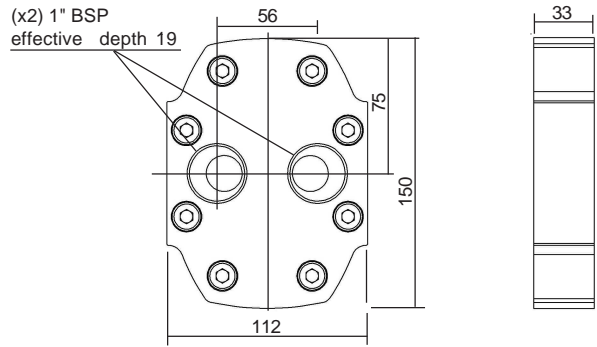
L

Standard



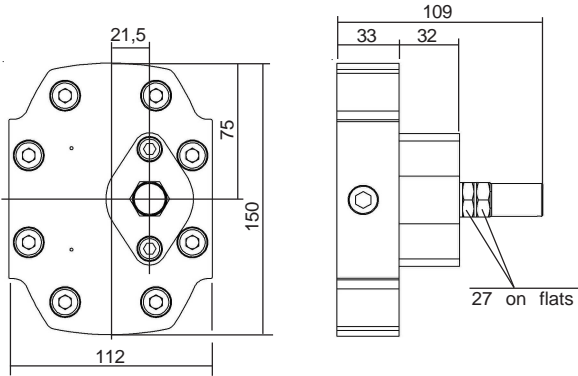
A

with ports



V

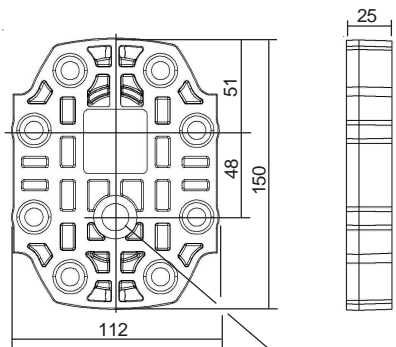
Low pressure relief valve
(Adjustable) Internal return



REAR BODIES for MOTORS M3 - M5 - M6

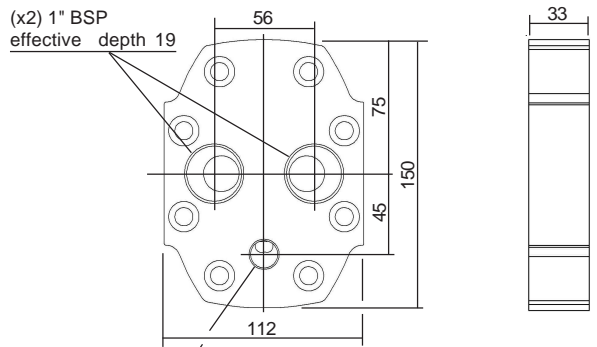
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1480 3/4

Consult us for availability

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

Straight keyed

20

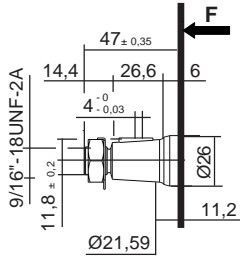
Splined

30

Tang

40

B03 Taper 1 / 8

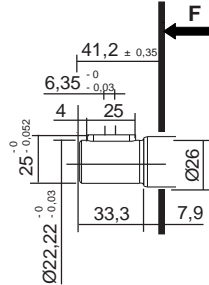


Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945

Maxi transmissible torque

530 N.m

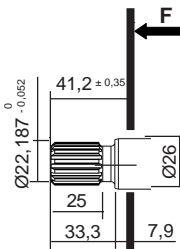
A02



Maxi transmissible torque

290 N.m

A02

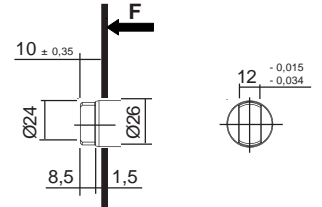


Involute spline SAE Standard 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle

Maxi transmissible torque

390 N.m

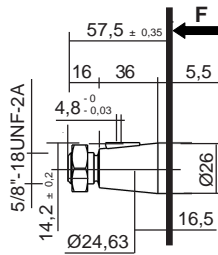
C04



Maxi transmissible torque

70 N.m

B04 Taper 1 / 8

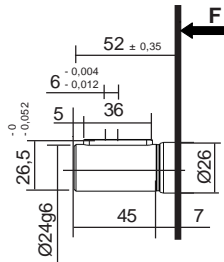


Delivered with Nut Ref.: K101877

Maxi transmissible torque

800 N.m

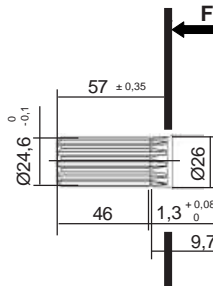
C04



Maxi transmissible torque

320 N.m

C03

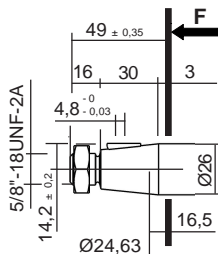


Involute spline shaft 25 x 13 x 1,667 to standard NF E 22 141 - BNA 455 Spigot on free flanks

Maxi transmissible torque

66,5 N.m

C04 Taper 1 / 5

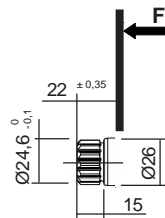


Delivered with Nut Ref.: K101712

Maxi transmissible torque

800 N.m

C07



Involute spline shaft 25 x 13 x 1,667 to standard NF E 22 141 - BNA 455 Spigot on free flanks

Maxi transmissible torque

48 N.m

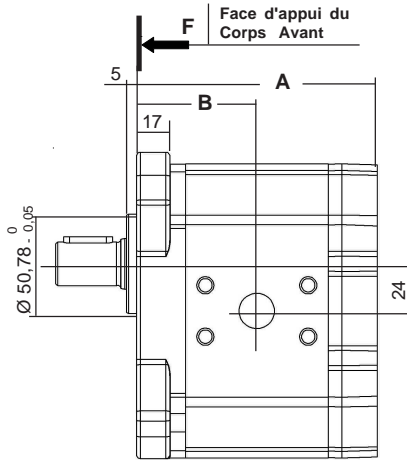
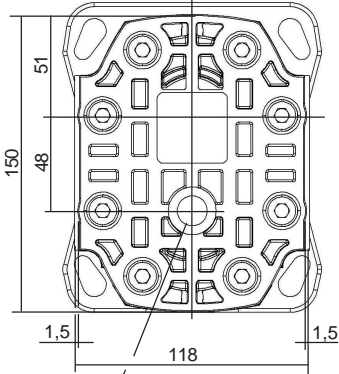
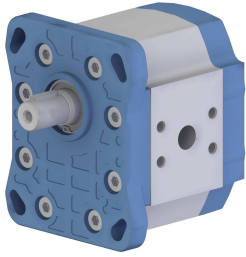
Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1480 4/4

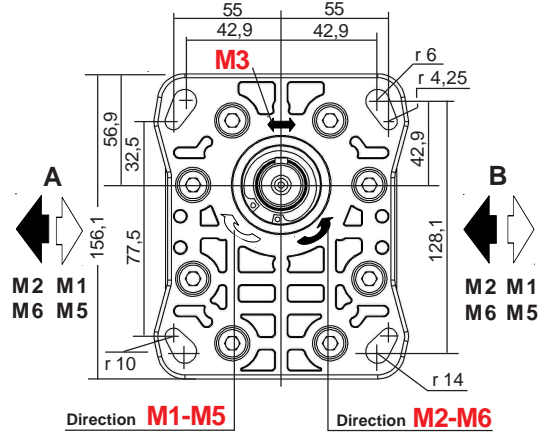
Consult us for availability

M II Sign BAN 3 VI Sign HL IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R 0243



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

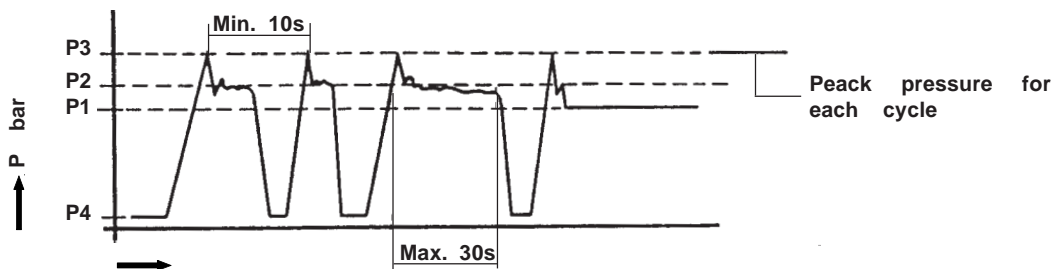
Seal kits:
M1 - M2
Nitrile: K507041 Viton: K507042
(For the manufacturings from october 1991)
M3 - M5/M6
Nitrile: K5071071 Viton: K5071072
(For the manufacturings from april 1987)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	7
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	7,1
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8

On the hereunder indicated diagram, the maximum duty pressure are the following.

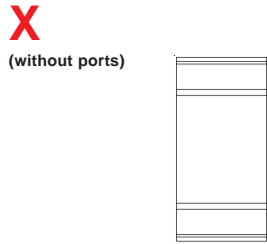
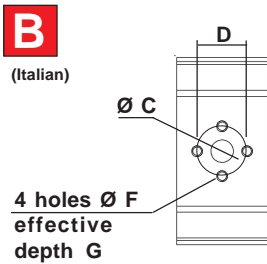
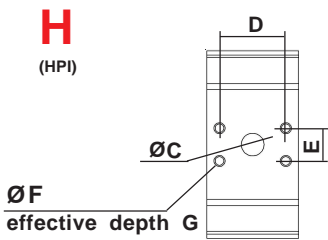
- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET		
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

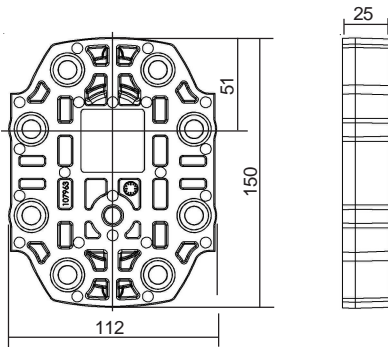
F.T 30 1481 2/4

Consult us for availability

REAR BODIES for MOTORS M1 - M2

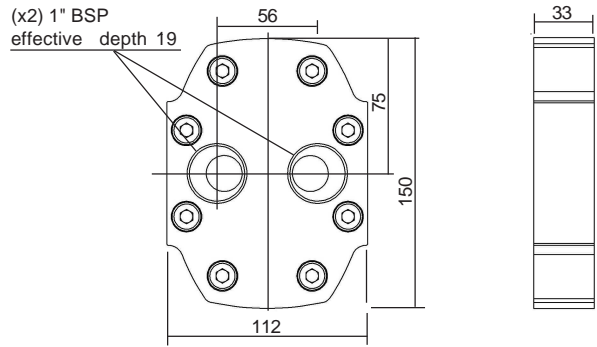
L

Standard



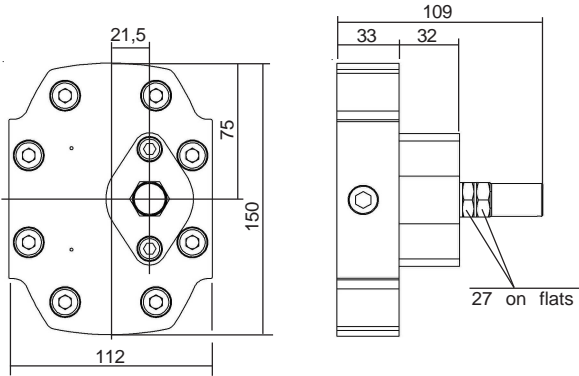
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return

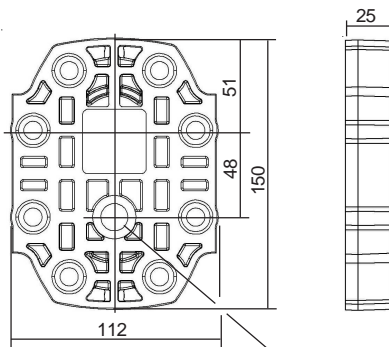


Dimensions readings and approximative characteristics subject to modifications.

REAR BODIES for MOTORS M3 - M5 - M6

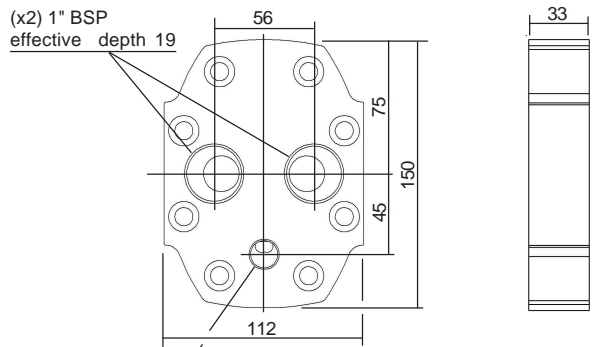
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

F.T 30 1481 3/4

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

Straight keyed

20

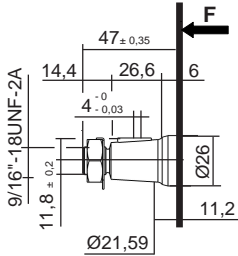
Splined

30

Tang

40

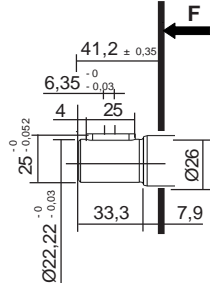
B03 Taper 1 / 8



Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945

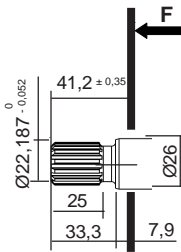
Maxi transmissible torque
530 N.m

A02



Maxi transmissible torque
290 N.m

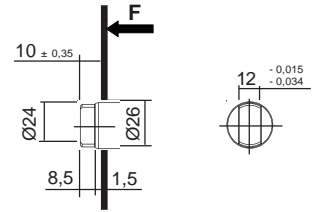
A02



Involute spline SAE Standard 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle

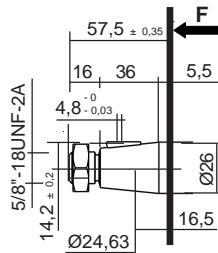
Maxi transmissible torque
390 N.m

C04



Maxi transmissible torque
70 N.m

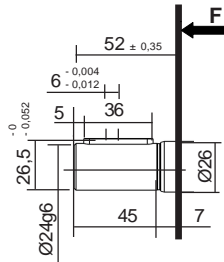
B04 Taper 1 / 8



Delivered with Nut Ref.: K101877

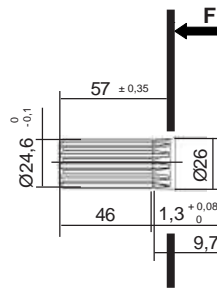
Maxi transmissible torque
800 N.m

C04



Maxi transmissible torque
320 N.m

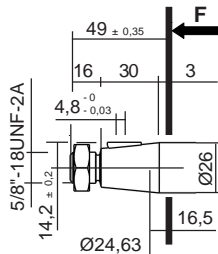
C03



Involute spline shaft 25 x 13 x 1,667 to standard NF E 22 141 - BNA 455 Spigot on free flanks

Maxi transmissible torque
66,5 N.m

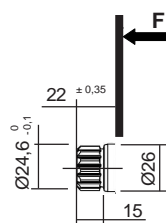
C04 Taper 1 / 5



Delivered with Nut Ref.: K101712

Maxi transmissible torque
800 N.m

C07



Involute spline shaft 25 x 13 x 1,667 to standard NF E 22 141 - BNA 455 Spigot on free flanks

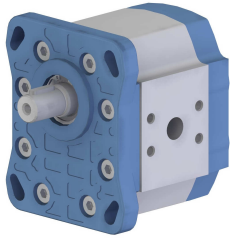
Maxi transmissible torque
48 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1481 4/4

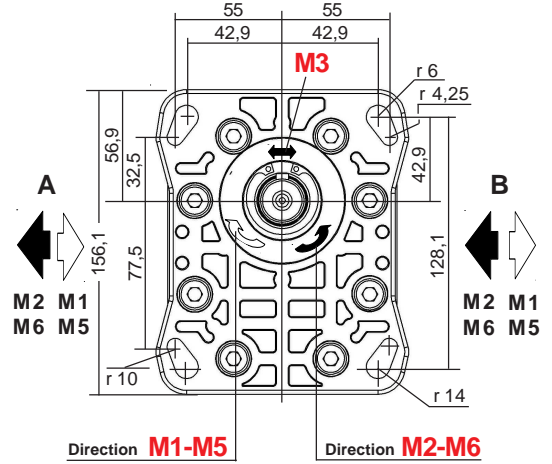
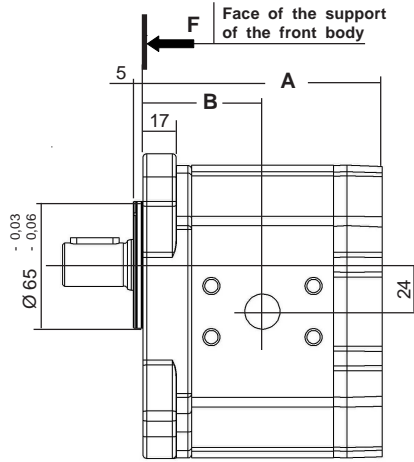
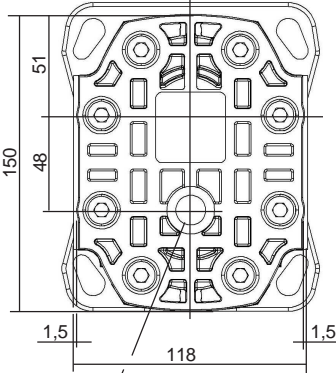


Consult us for availability



For CODIFICATION, see data sheet **F.T R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

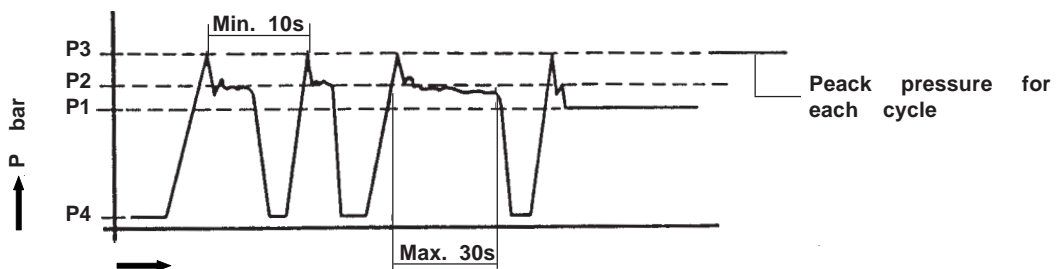
CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

Seal kits:
M1 - M2
Nitrile: **K507041** Viton: **K507042**
(For the manufacturings from october 1991)
M3 - M5/M6
Nitrile: **K5071071** Viton: **K5071072**
(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	7
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	7,1
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1** Maximum pressure in continuous duty
- P2** Maximum pressure in intermittent duty
- P3** Max. Allowable peak pressure
- P4** Pressure at Motor outlet ≤ P (Only in M3)

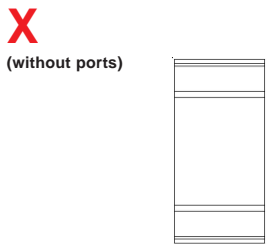
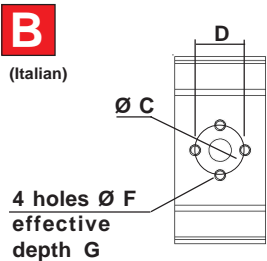
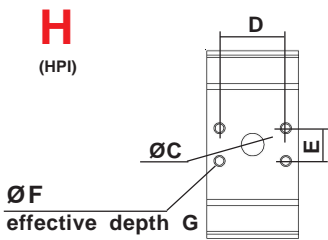


Consult us for availability

F.T 30 1482 1/4

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1482 2/4

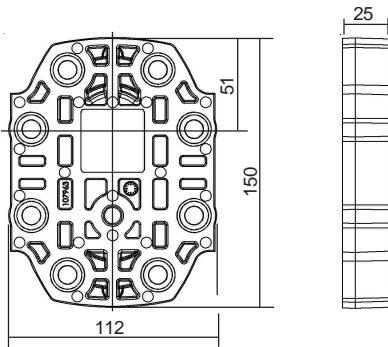


Consult us for availability

REAR BODIES for MOTORS M1 - M2

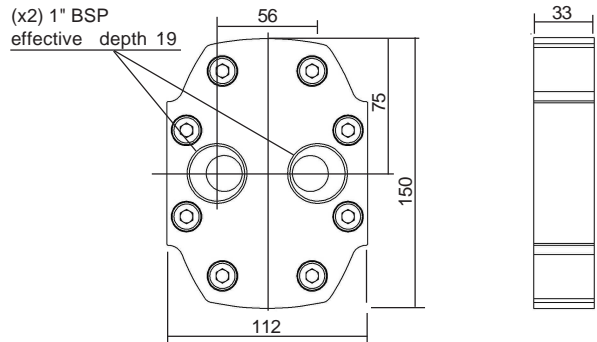
L

Standard



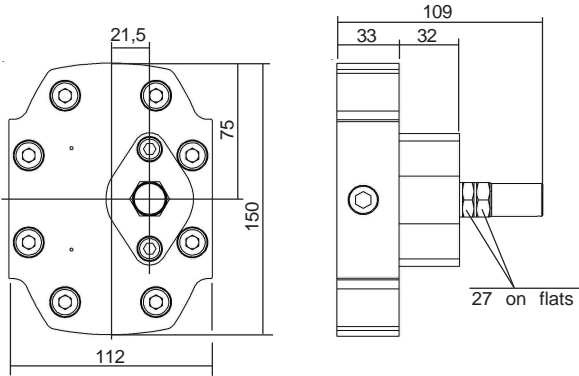
A

with ports



V

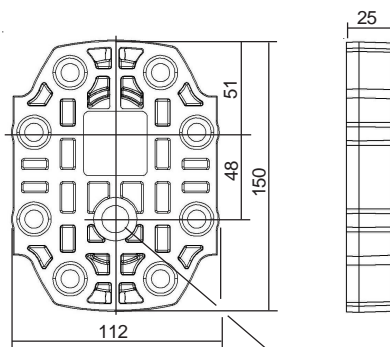
Low pressure relief valve
(Adjustable) Internal return



REAR BODIES for MOTORS M3 - M5 - M6

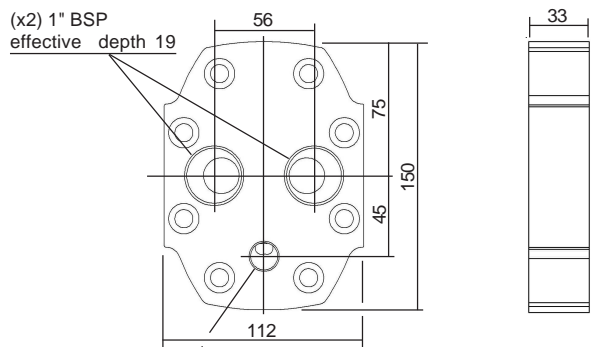
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1482 3/4

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

Straight keyed

Splined

Tang

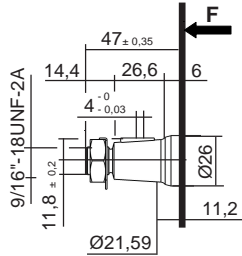
10

20

30

40

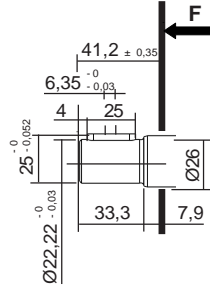
B03 Taper 1 / 8



Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945

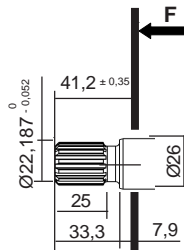
Maxi transmissible torque
530 N.m

A02



Maxi transmissible torque
290 N.m

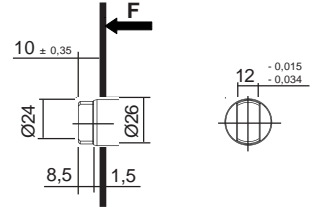
A02



Involute spline SAE Standard
13 teeth - 7/8" -
Diametral Pitch 16/32
30° Pressure angle

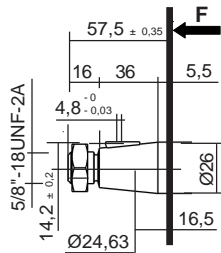
Maxi transmissible torque
390 N.m

C04



Maxi transmissible torque
70 N.m

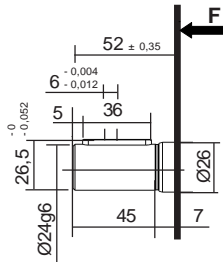
B04 Taper 1 / 8



Delivered with Nut Ref.: K101877

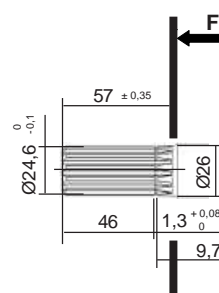
Maxi transmissible torque
800 N.m

C04



Maxi transmissible torque
320 N.m

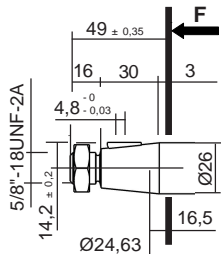
C03



Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
66,5 N.m

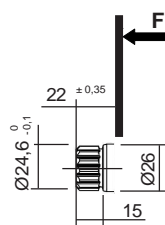
C04 Taper 1 / 5



Delivered with Nut Ref.: K101712

Maxi transmissible torque
800 N.m

C07



Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
48 N.m

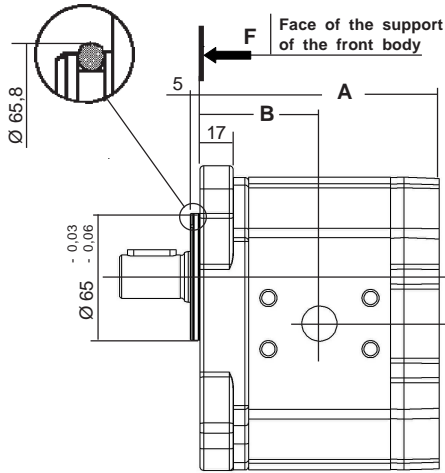
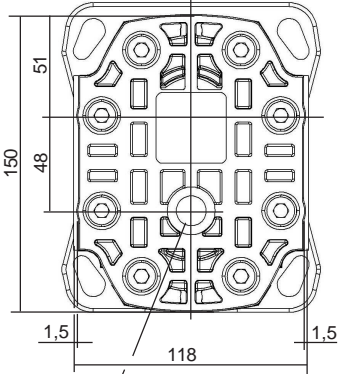
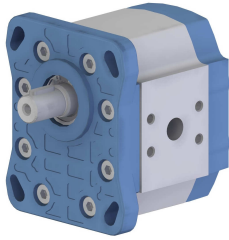
Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1482 4/4

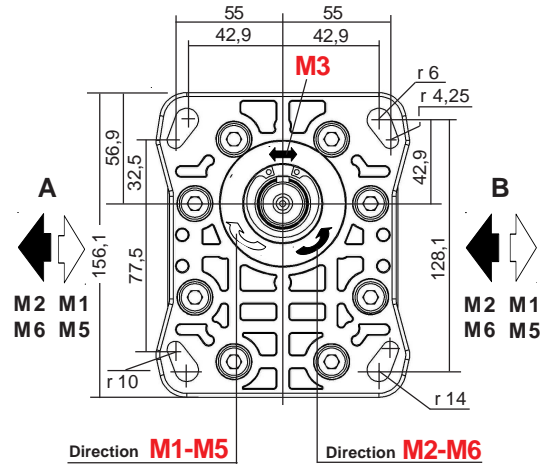
Consult us for availability

M II Sign CB K 3 VI Sign H L IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T R 0243



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

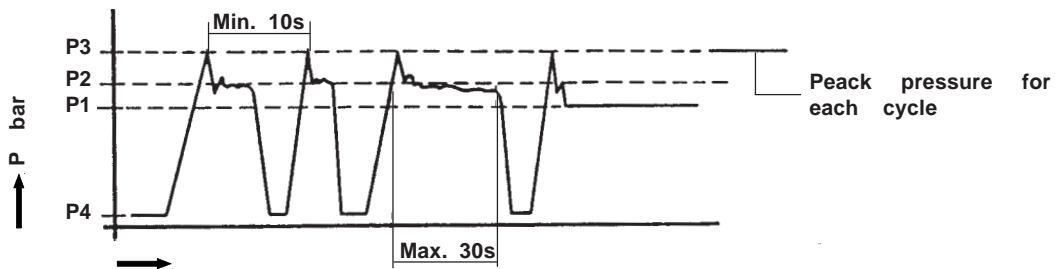
Seal kits:
M1 - M2
Nitrile: K507041 + K106675
Viton: K507042 + K106676
(For the manufacturings from october 1991)
M3 - M5/M6
Nitrile: K5071071 + K106675
Viton: K5071072 + K106676
(For the manufacturings from april 1987)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	7
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	7,1
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8

On the hereunder indicated diagram, the maximum duty pressure are the following.

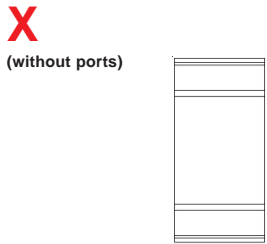
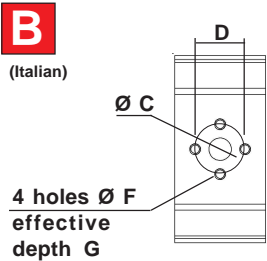
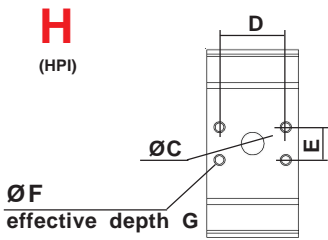
- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1483 2/4

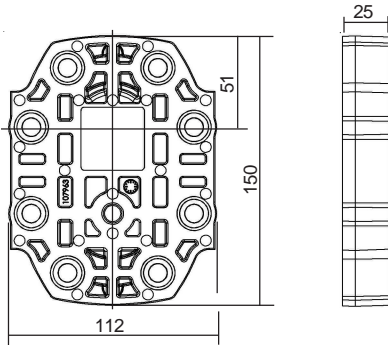


Consult us for availability

REAR BODIES for MOTORS M1 - M2

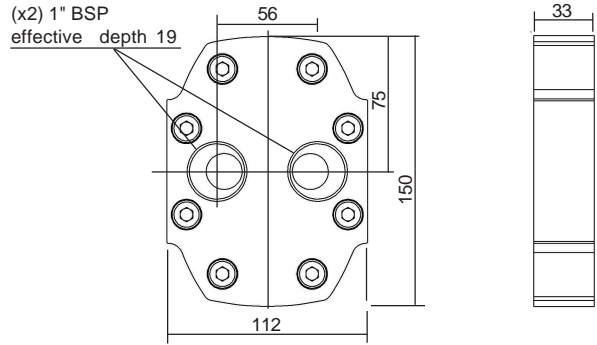
L

Standard



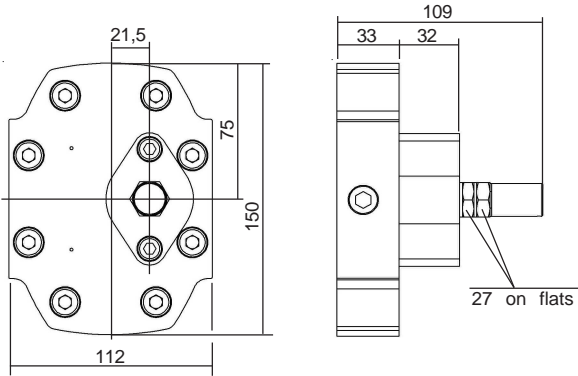
A

with ports



V

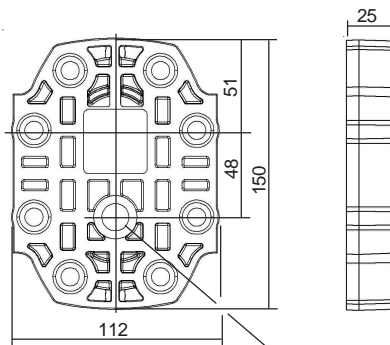
Low pressure relief valve
(Adjustable) Internal return



REAR BODIES for MOTORS M3 - M5 - M6

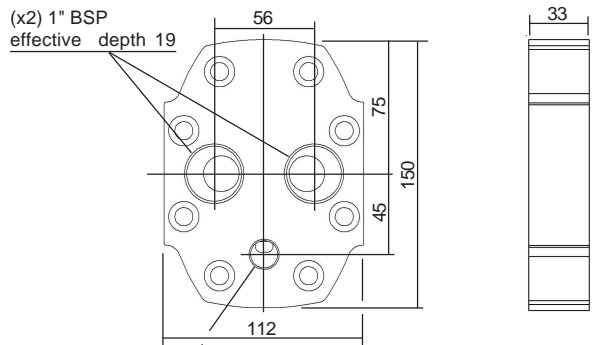
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1483 3/4

Consult us for availability

DRIVING SHAFT (FLAT FRONT BODY)

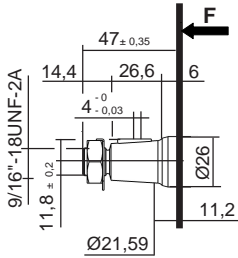
Tapered
10

Straight keyed
20

Splined
30

Tang
40

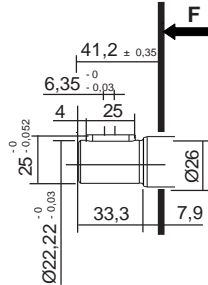
B03 Taper 1 / 8



Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945

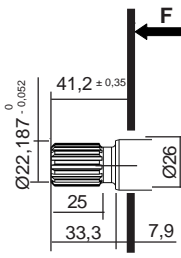
Maxi transmissible torque
530 N.m

A02



Maxi transmissible torque
290 N.m

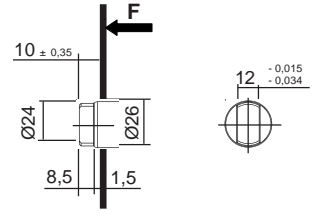
A02



Involute spline SAE Standard 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle

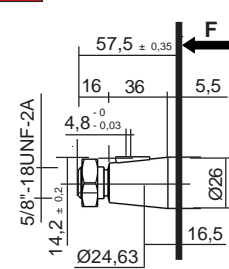
Maxi transmissible torque
390 N.m

C04



Maxi transmissible torque
70 N.m

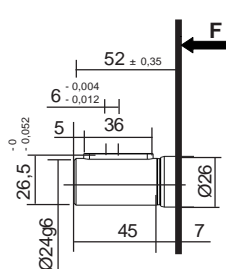
B04 Taper 1 / 8



Delivered with Nut Ref.: K101877

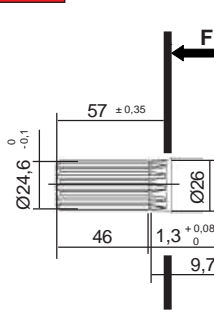
Maxi transmissible torque
800 N.m

C04



Maxi transmissible torque
320 N.m

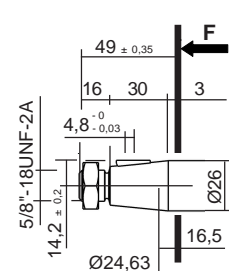
C03



Involute spline shaft 25 x 13 x 1,667 to standard NF E 22 141 - BNA 455 Spigot on free flanks

Maxi transmissible torque
66,5 N.m

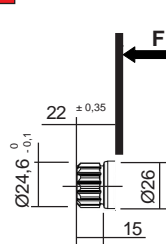
C04 Taper 1 / 5



Delivered with Nut Ref.: K101712

Maxi transmissible torque
800 N.m

C07



Involute spline shaft 25 x 13 x 1,667 to standard NF E 22 141 - BNA 455 Spigot on free flanks

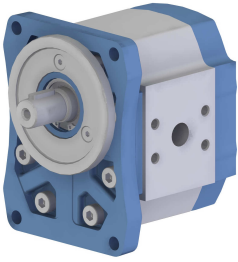
Maxi transmissible torque
48 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1483 4/4



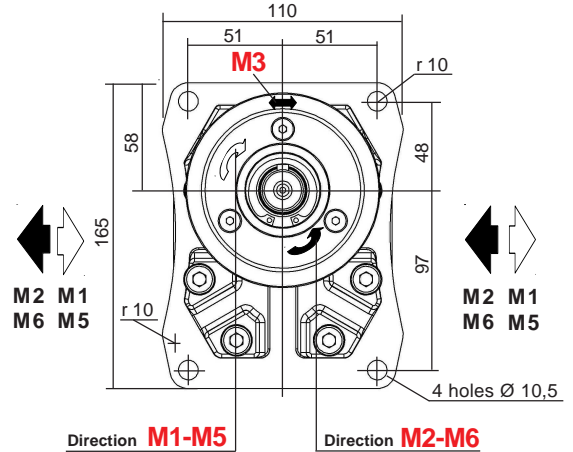
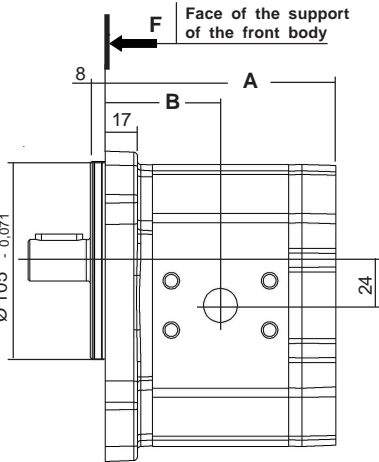
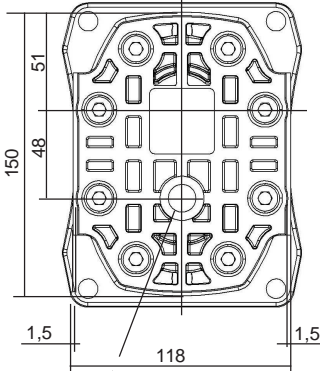
Consult us for availability



M II Sign **DBN 3** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

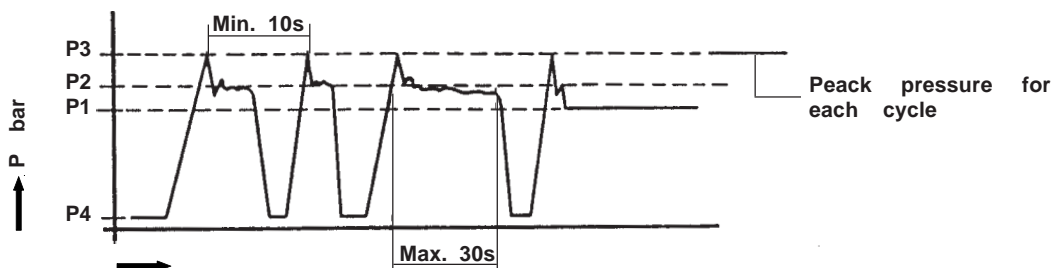
Seal kits:
M1 - M2
Nitrile: K507041 Viton: K507042
(For the manufacturings from october 1991)
M3 - M5/M6
Nitrile: K5071071 Viton: K5071072
(For the manufacturings from april 1987)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	7
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	7,1
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8

On the hereunder indicated diagram, the maximum duty pressure are the following.

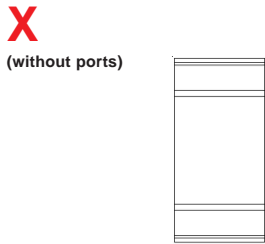
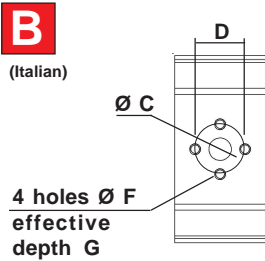
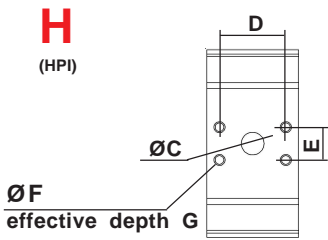
- P1** Maximum pressure in continuous duty
- P2** Maximum pressure in intermittent duty
- P3** Max. Allowable peak pressure
- P4** Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

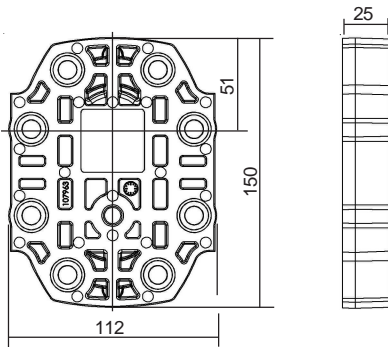
F.T 30 1484 2/4

Consult us for availability

REAR BODIES for MOTORS M1 - M2

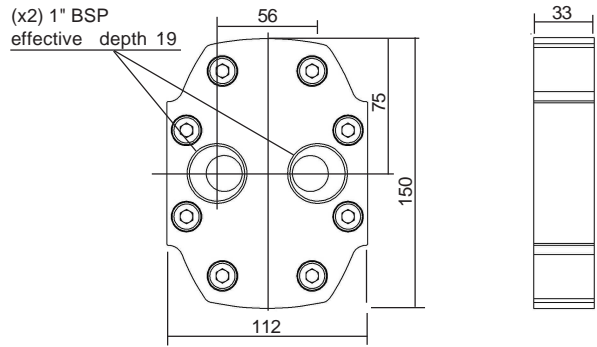
L

Standard



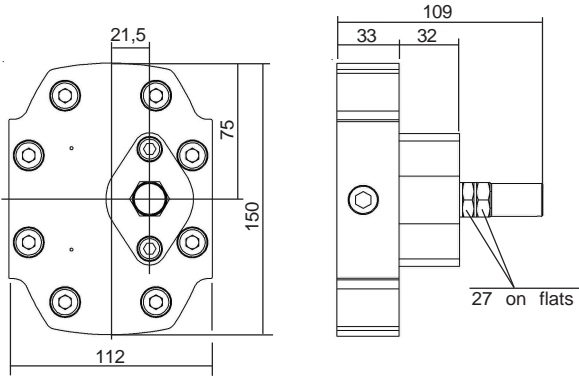
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return

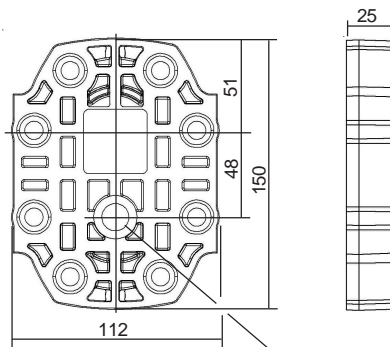


Dimensions readings and approximative characteristics subject to modifications.

REAR BODIES for MOTORS M3 - M5 - M6

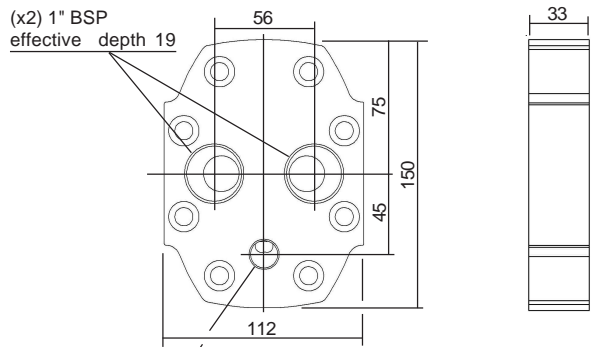
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

F.T 30 1484 3/4

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

Straight keyed

20

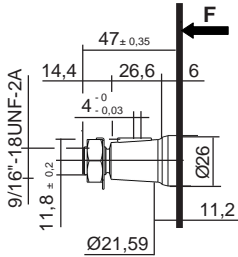
Splined

30

Tang

40

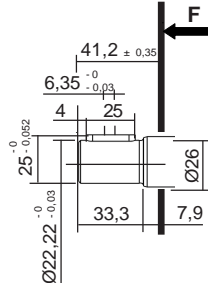
B03 Taper 1 / 8



Delivered with Nut and lock washer Ref.: K100734 Ref.: K103945

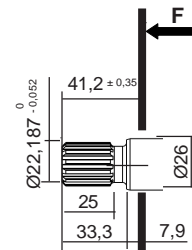
Maxi transmissible torque
530 N.m

A02



Maxi transmissible torque
290 N.m

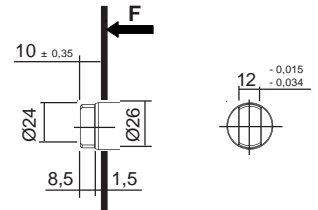
A02



Involute spline SAE Standard
13 teeth - 7/8" -
Diametral Pitch 16/32
30° Pressure angle

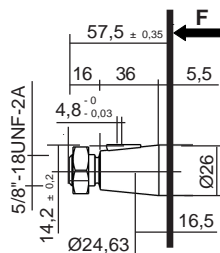
Maxi transmissible torque
390 N.m

C04



Maxi transmissible torque
70 N.m

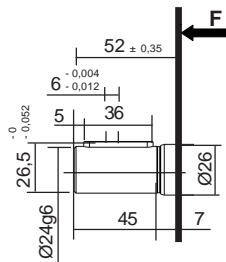
B04 Taper 1 / 8



Delivered with Nut Ref.: K101877

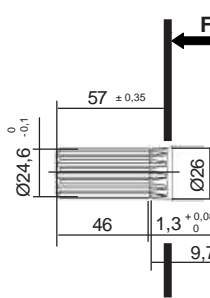
Maxi transmissible torque
800 N.m

C04



Maxi transmissible torque
320 N.m

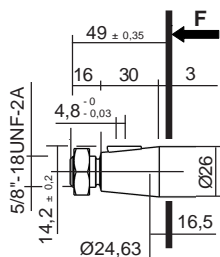
C03



Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

Maxi transmissible torque
66,5 N.m

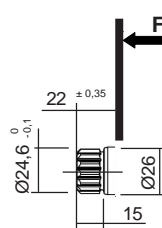
C04 Taper 1 / 5



Delivered with Nut Ref.: K101712

Maxi transmissible torque
800 N.m

C07



Involute spline shaft
25 x 13 x 1,667
to standard NF E 22 141 - BNA 455
Spigot on free flanks

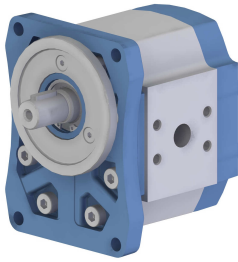
Maxi transmissible torque
48 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1484 4/4



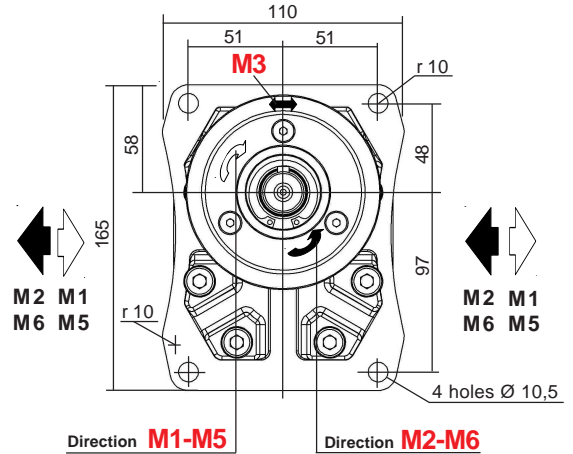
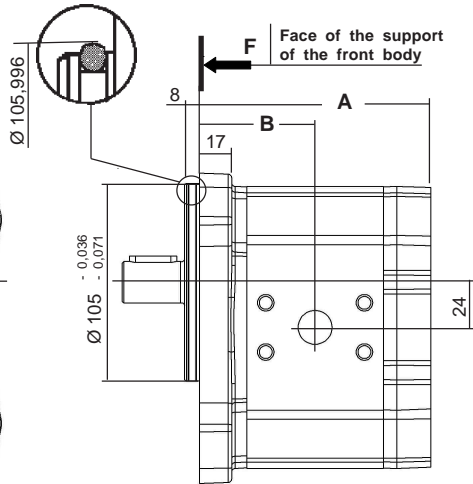
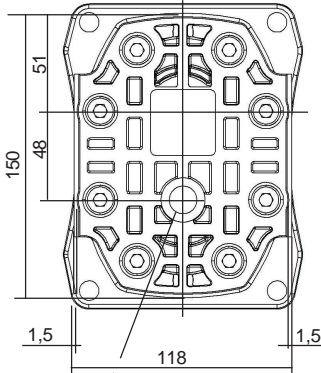
Consult us for availability



M II Sign **DBK** **3** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	122,7	61,3
050 - 060	149,2	74,5
071 - 080 - 090 - 100	169,2	84,2

Seal kits:

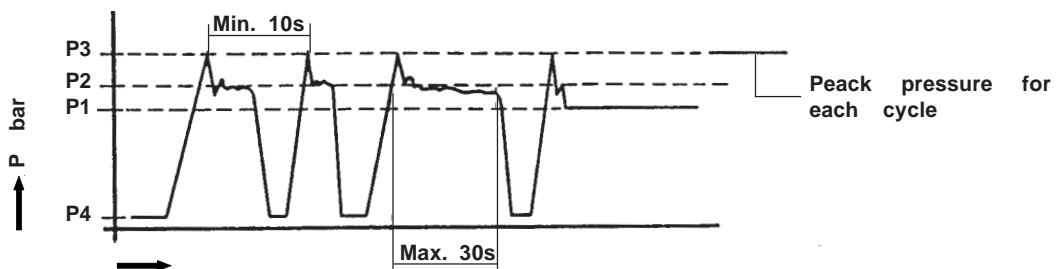
M1 - M2
Nitrile: K507041 + K106998
Viton: K507042 + K108537
(For the manufacturings from october 1991)

M3 - M5/M6
Nitrile: K5071071 + K106998
Viton: K5071072 + K108537
(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	5,6
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	5,6
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	5,7
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	6,9
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	7
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	7,1
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	7,8
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8

On the hereunder indicated diagram, the maximum duty pressure are the following.

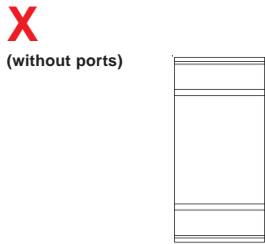
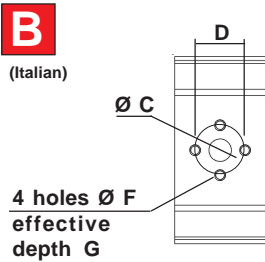
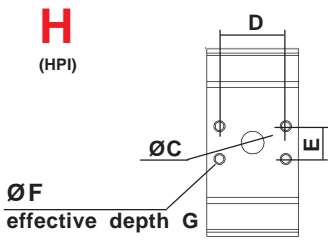
- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

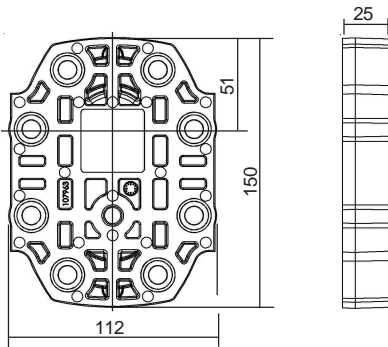
F.T 30 1485 2/4

Consult us for availability

REAR BODIES for MOTORS M1 - M2

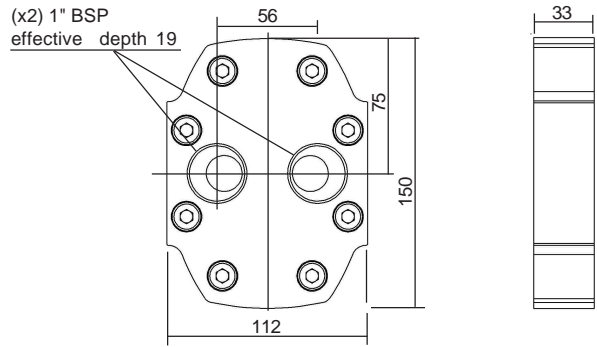
L

Standard



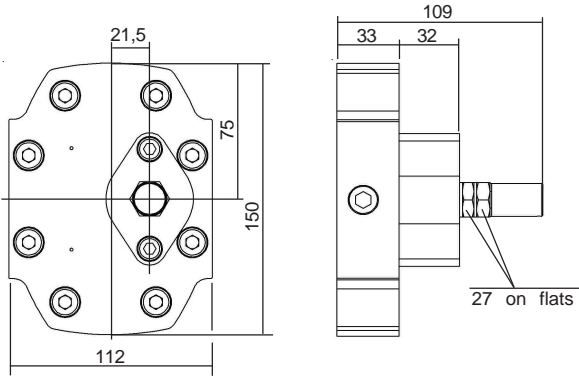
A

with ports



V

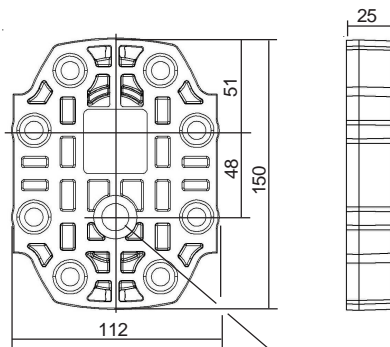
Low pressure relief valve
(Adjustable) Internal return



REAR BODIES for MOTORS M3 - M5 - M6

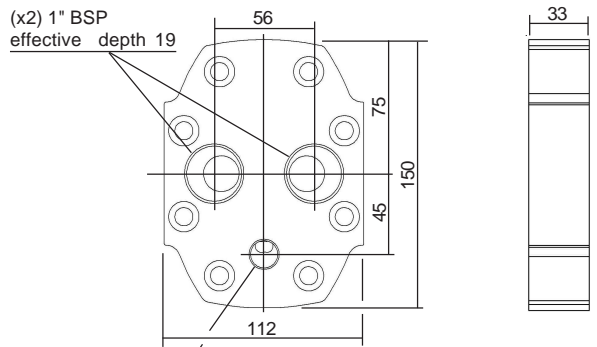
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1485 3/4

Consult us for availability

DRIVING SHAFT (FLAT FRONT BODY)

Tapered

10

Straight keyed

20

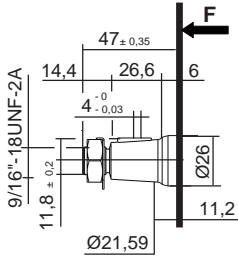
Splined

30

Tang

40

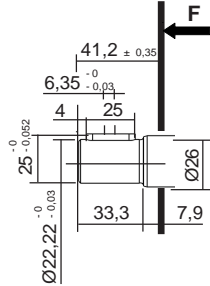
B03 Taper 1 / 8



Delivered with Nut and lock washer Ref.:K100734 Ref.:K103945

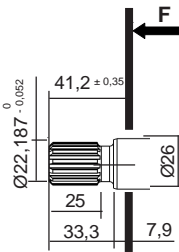
Maxi transmissible torque **530 N.m**

A02



Maxi transmissible torque **290 N.m**

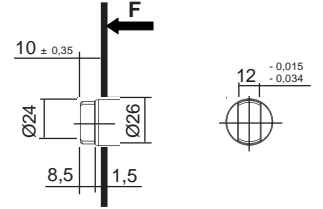
A02



Involute spline SAE Standard 13 teeth - 7/8" - Diametral Pitch 16/32 30° Pressure angle

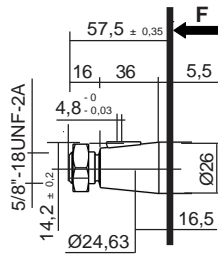
Maxi transmissible torque **390 N.m**

C04



Maxi transmissible torque **70 N.m**

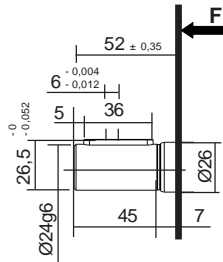
B04 Taper 1 / 8



Delivered with Nut Ref.:K101877

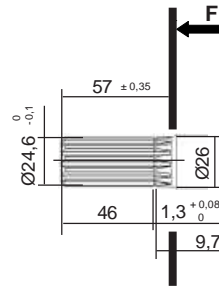
Maxi transmissible torque **800 N.m**

C04



Maxi transmissible torque **320 N.m**

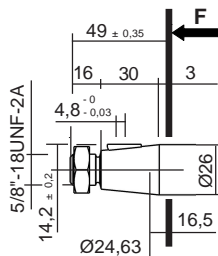
C03



Involute spline shaft 25 x 13 x 1,667 to standard NF E 22 141 - BNA 455 Spigot on free flanks

Maxi transmissible torque **66,5 N.m**

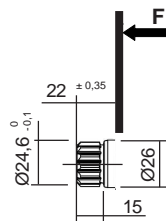
C04 Taper 1 / 5



Delivered with Nut Ref.:K101712

Maxi transmissible torque **800 N.m**

C07



Involute spline shaft 25 x 13 x 1,667 to standard NF E 22 141 - BNA 455 Spigot on free flanks

Maxi transmissible torque **48 N.m**

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1485 4/4

Consult us for availability

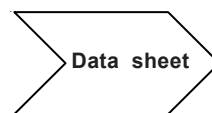


MOTORS PRESENTATION
SERIES 3

F.T 30 1456

- THICK FRONT BODY

MOTOR **AAP**



F.T 30 1486

MOTOR **AAR**



F.T 30 1487

MOTOR **ABP**



F.T 30 1488

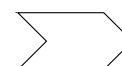
MOTOR **ABR**



F.T 30 1489



Consult us for availability



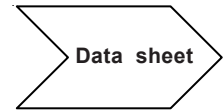
- THICK FRONT BODY (rest)

MOTOR **ADF**



F.T 30 1490

MOTOR **ADP**



F.T 30 1491

MOTOR **ADR**



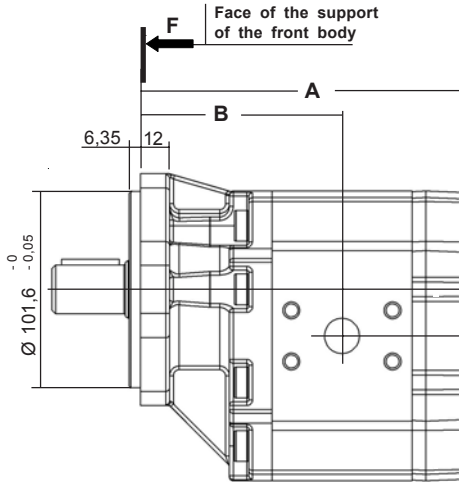
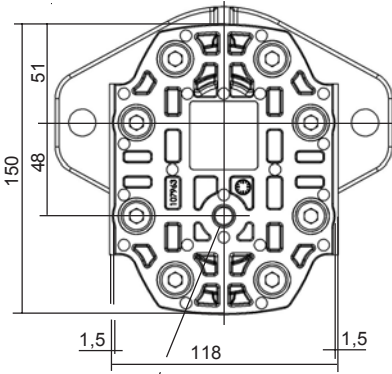
F.T 30 1492



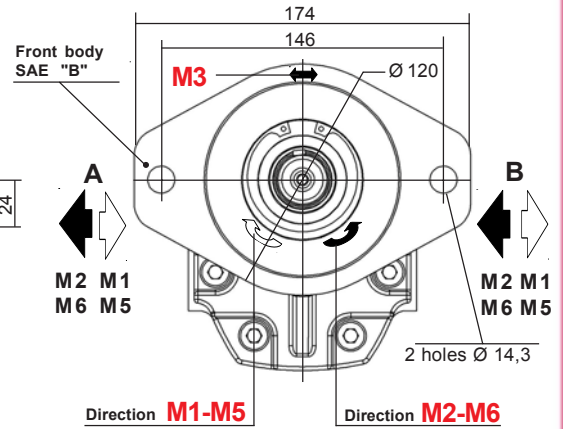
Consult us for availability

M II Sign **AA P 3** I VI Sign **H L** IX Sign X Sign I XI Sign XII Sign

For CODIFICATION, see data sheet **F.T R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

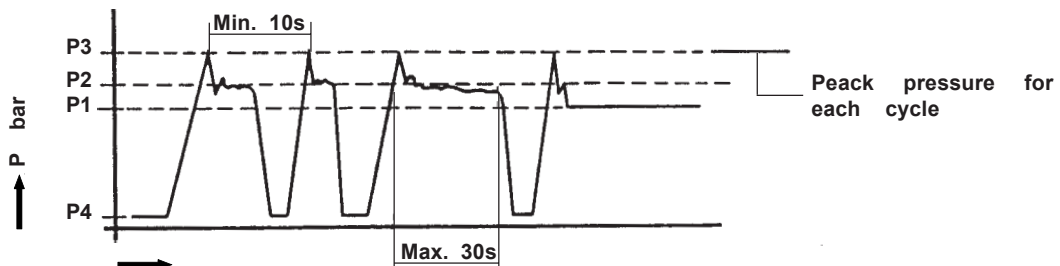
Seal kits:
M1 - M2
Nitrile: K5074043 + K103765
Viton: K5074044 + K104156
(For the manufacturings from october 1991)
M3 - M5/M6
Nitrile: K5071073 + K103765
Viton: K5071074 + K104156
(For the manufacturings from april 1987)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	6,4
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	6,5
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	7,7
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7,8
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	8,3
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	8,4
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	8,6
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1** Maximum pressure in continuous duty
- P2** Maximum pressure in intermittent duty
- P3** Max. Allowable peak pressure
- P4** Pressure at Motor outlet ≤ P (Only in M3)

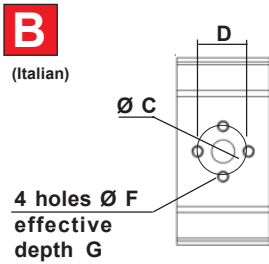
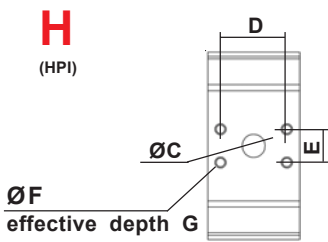


Consult us for availability

F.T 30 1486 1/4

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET					OUTLET				
	A					B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

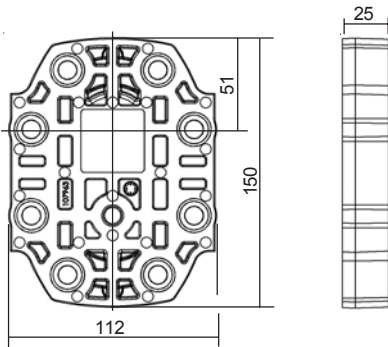
F.T 30 1486 2/4

Consult us for availability

REAR BODIES for MOTORS M1 - M2

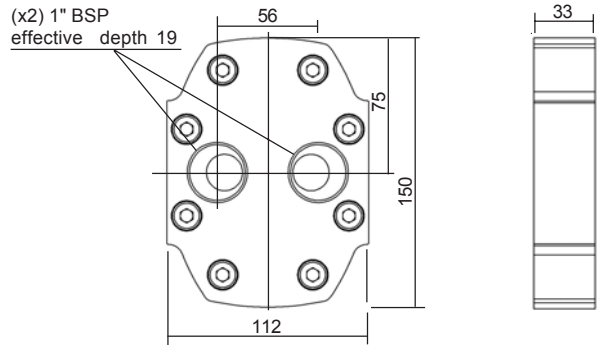
L

Standard



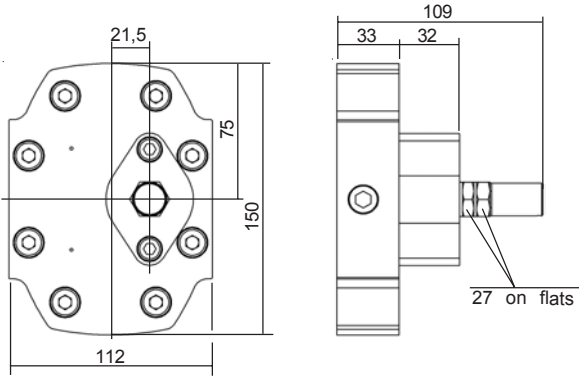
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return

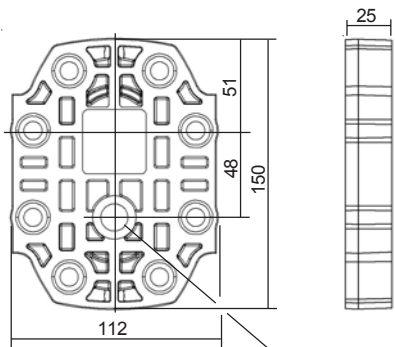


Dimensions readings and approximative characteristics subject to modifications.

REAR BODIES for MOTORS M3 - M5 - M6

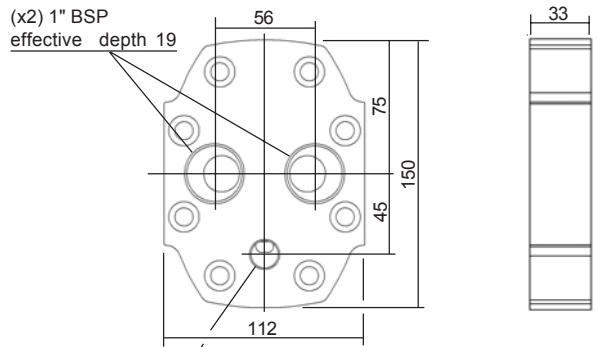
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

F.T 30 1486 3/4

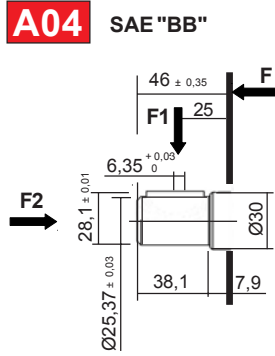
DRIVING SHAFTS

Tapered
10

Straight keyed
20

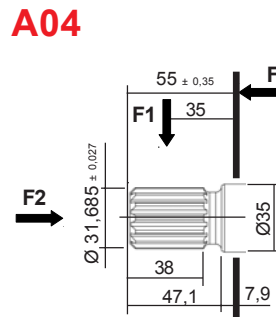
Splined
30

Tang
40



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
340 N.m

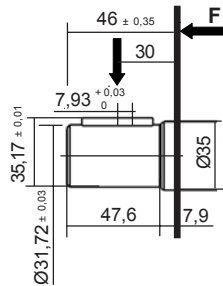


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
500 N.m

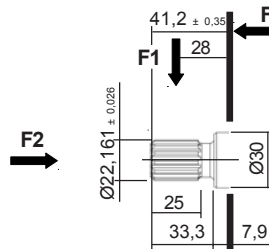
A05 SAE "C"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m

A19

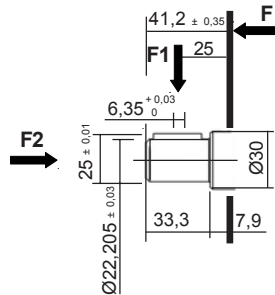


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m

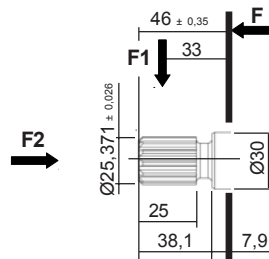
A07 SAE "B"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
290 N.m

A20



F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
490 N.m

Dimensions readings and approximative characteristics subject to modifications.

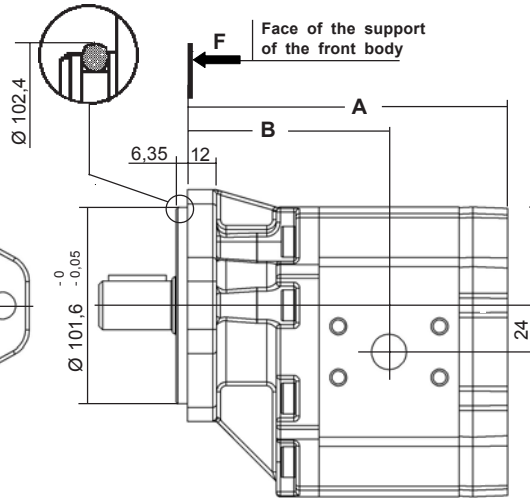
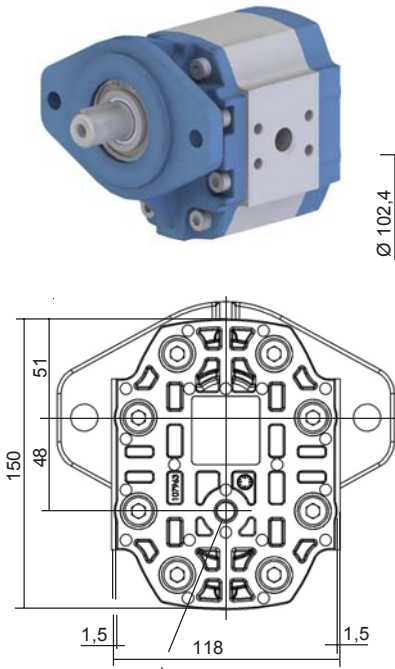
F.T 30 1486 4/4



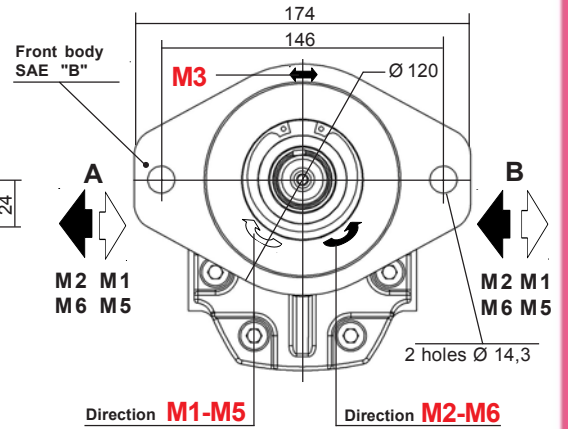
Consult us for availability

M II Sign AA R 3 I VI Sign H L IX Sign X Sign I XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R 0243



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

Seal kits:

M1 - M2

Nitrile: K5074043 + K103765 + K107081
Viton: K5074044 + K104156 + K107045

(For the manufacturings from october 1991)

M3 - M5/M6

Nitrile: K5071073 + K103765 + K107081
Viton: K5071074 + K104156 + K107045

(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	6,4
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	6,5
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	7,7
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7,8
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	8,3
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	8,4
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	8,6
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8,8

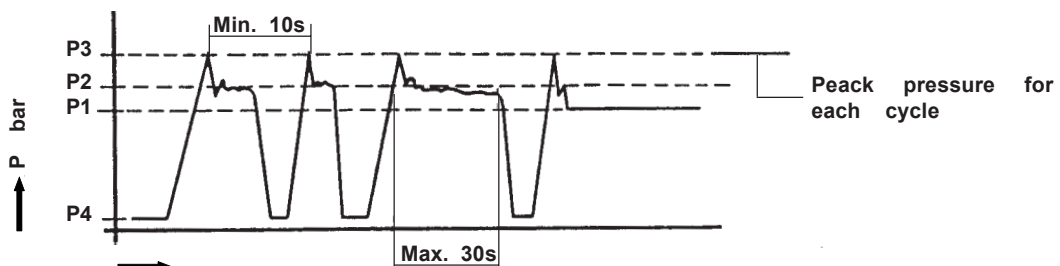
On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty

P2 Maximum pressure in intermittent duty

P3 Max. Allowable peak pressure

P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

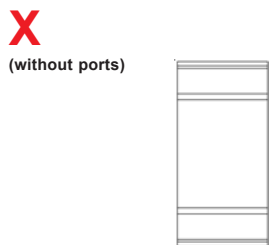
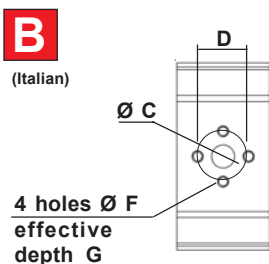
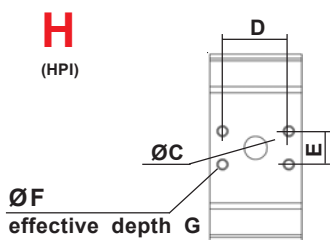
Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1487 1/4

HYDRAULIC GEAR MOTORS SERIES 3

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET					OUTLET					AFFECTATION					
	A					B					1 way rotation without counter pressure				2 ways rotation with counter pressure	
	ØC	D	E	ØF	G	ØC	D	E	ØF	G	M1		M2		M3	
											INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8	17						
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17	A	B	B	A	B	A
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17						
3025 to 3040	18	40		M8	16	27	51		M10	16	A	B	B	A	B	A
3050 3060																
3071 to 3100																
3025 to 3040	Only with rear body Type A															
3050 3060	Only with rear body Type A															
3071 to 3100	Only with rear body Type A															

Dimensions readings and approximative characteristics subject to modifications.

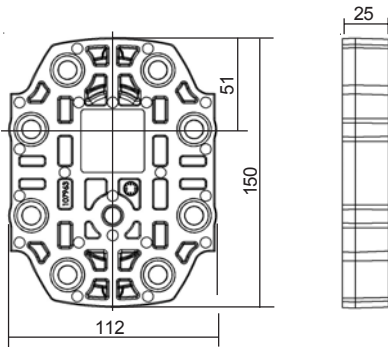
F.T 30 1487 2/4

Consult us for availability

REAR BODIES for MOTORS M1 - M2

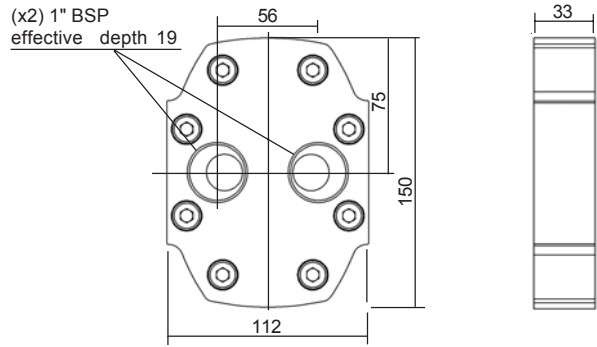
L

Standard



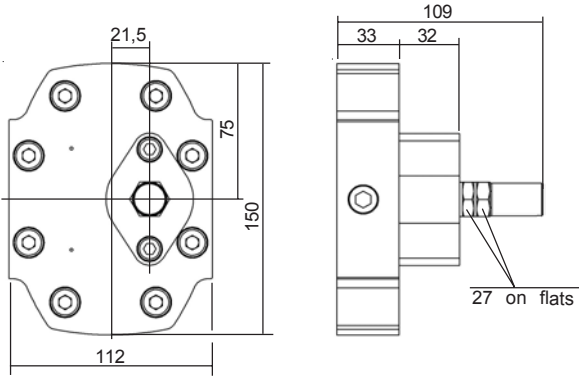
A

with ports



V

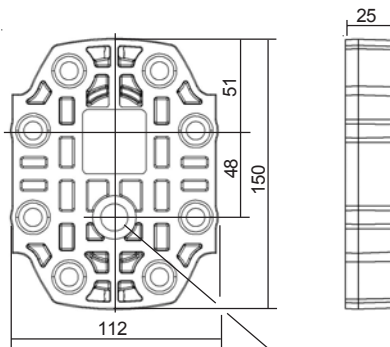
Low pressure relief valve
(Adjustable) Internal return



REAR BODIES for MOTORS M3 - M5 - M6

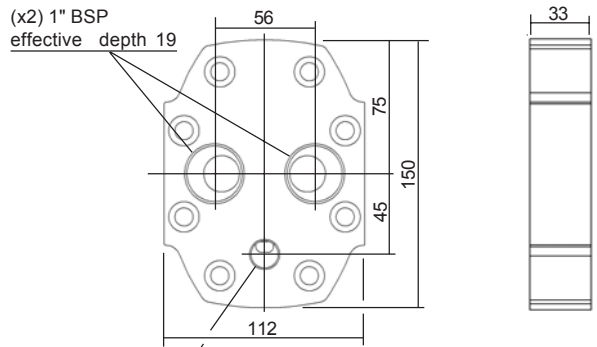
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

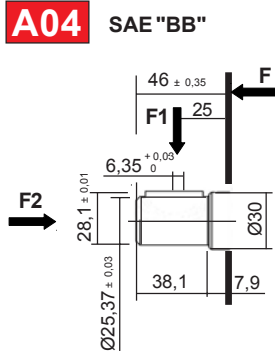
DRIVING SHAFTS

Tapered
10

Straight keyed
20

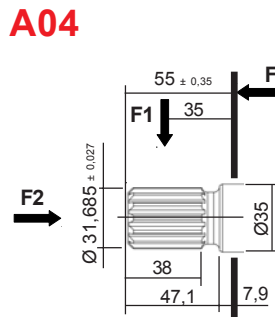
Splined
30

Tang
40



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
340 N.m

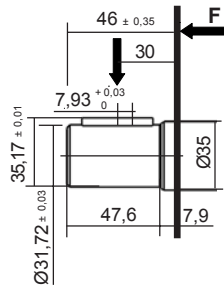


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
500 N.m

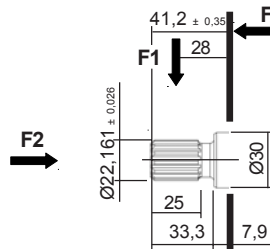
A05 SAE "C"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m

A19

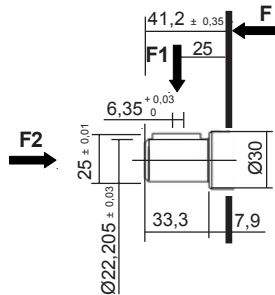


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m

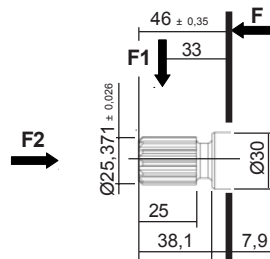
A07 SAE "B"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
290 N.m

A20



F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
490 N.m

Dimensions readings and approximative characteristics subject to modifications.

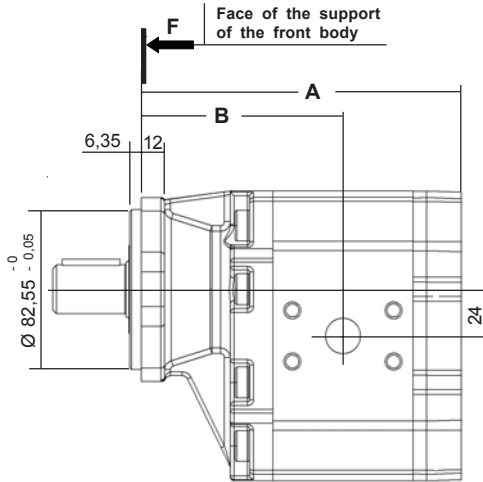
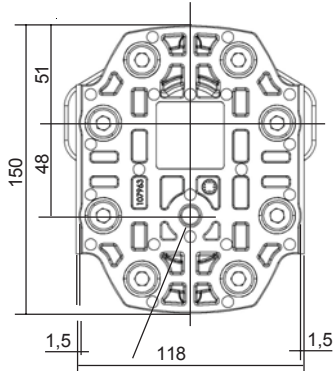
F.T 30 1487 4/4



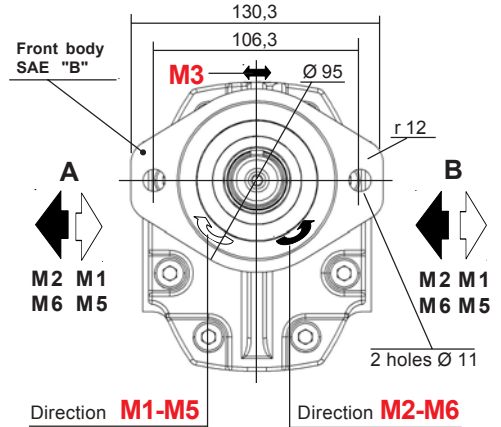
Consult us for availability

M II Sign AB P 3 VI Sign H L IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet F.T.R 0243



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

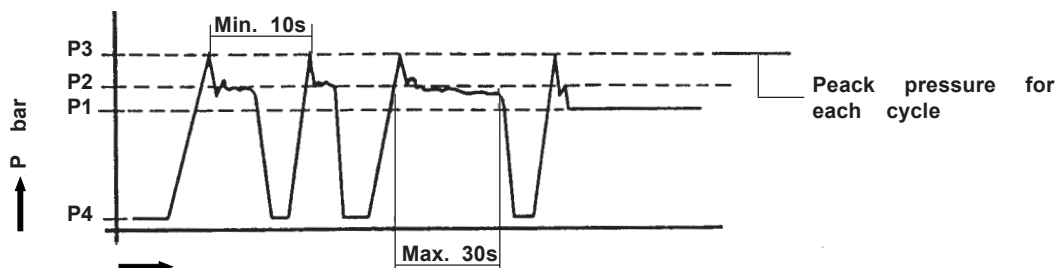
Seal kits:
M1 - M2
Nitrile: K5074043 + K103765
Viton: K5074044 + K104156
(For the manufacturings from october 1991)
M3 - M5/M6
Nitrile: K5071073 + K103765
Viton: K5071074 + K104156
(For the manufacturings from april 1987)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	6,4
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	6,5
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	7,7
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7,8
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	8,3
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	8,4
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	8,6
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

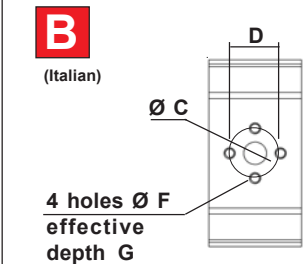
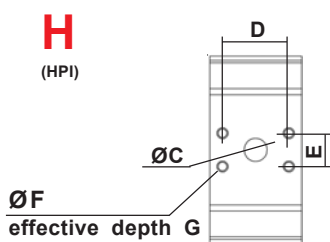
- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

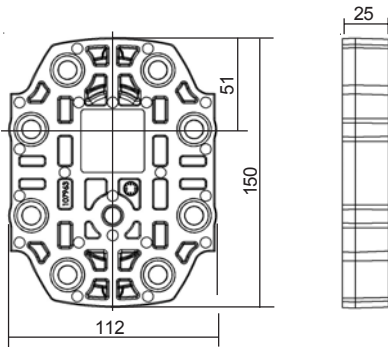
F.T 30 1488 2/4

Consult us for availability

REAR BODIES for MOTORS M1 - M2

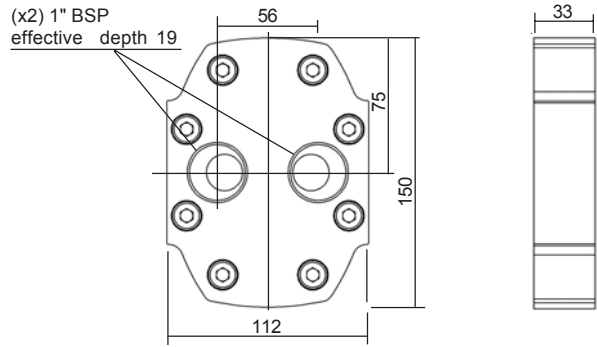
L

Standard



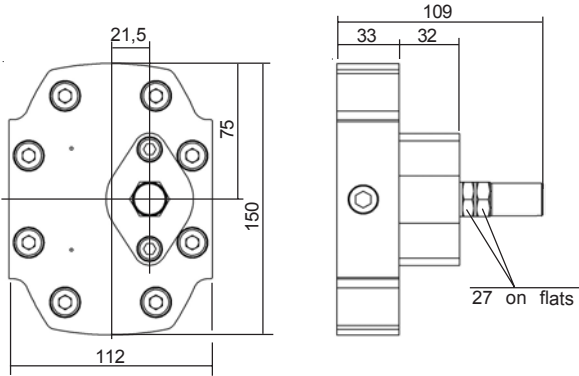
A

with ports



V

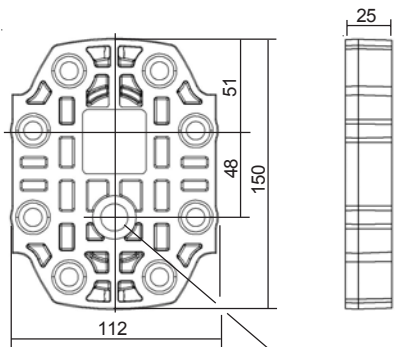
Low pressure relief valve
(Adjustable) Internal return



REAR BODIES for MOTORS M3 - M5 - M6

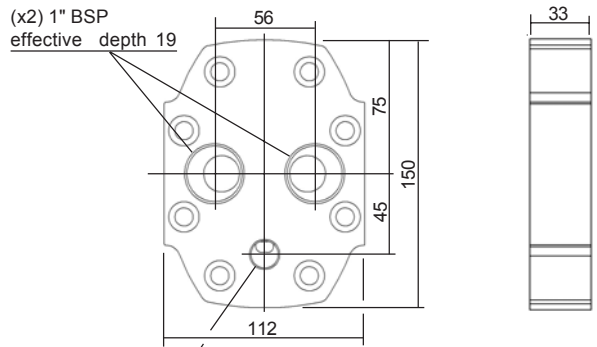
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

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Consult us for availability

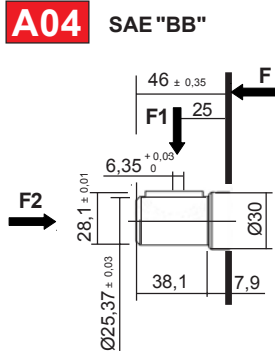
DRIVING SHAFTS

Tapered
10

Straight keyed
20

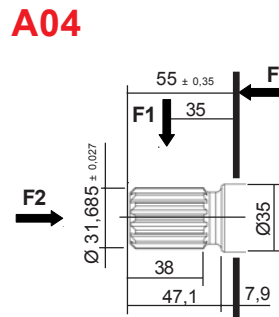
Splined
30

Tang
40



F1 = 140 daN
F2 = 50 daN

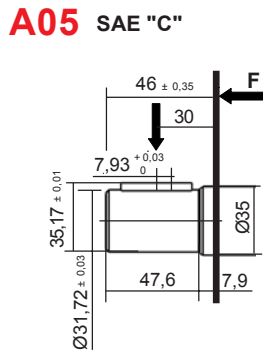
Maxi transmissible torque
340 N.m



F1 = 120 daN
F2 = 50 daN

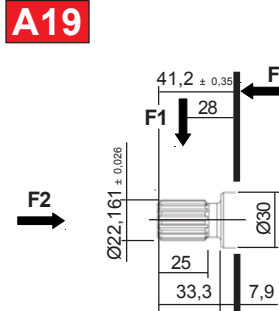
Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
500 N.m



F1 = 140 daN
F2 = 50 daN

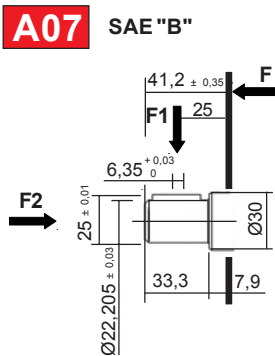
Maxi transmissible torque
430 N.m



F1 = 120 daN
F2 = 50 daN

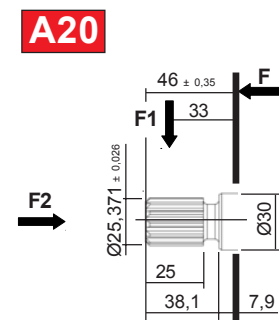
Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
290 N.m



F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
490 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1488 4/4

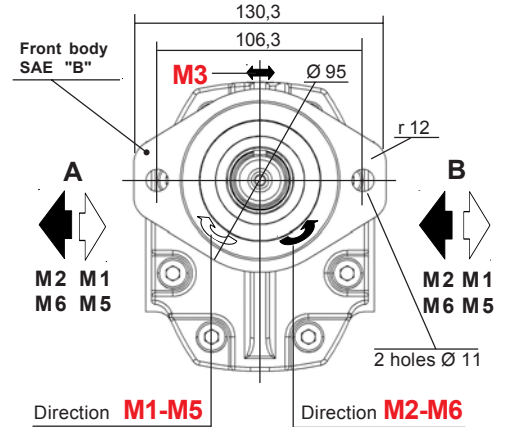
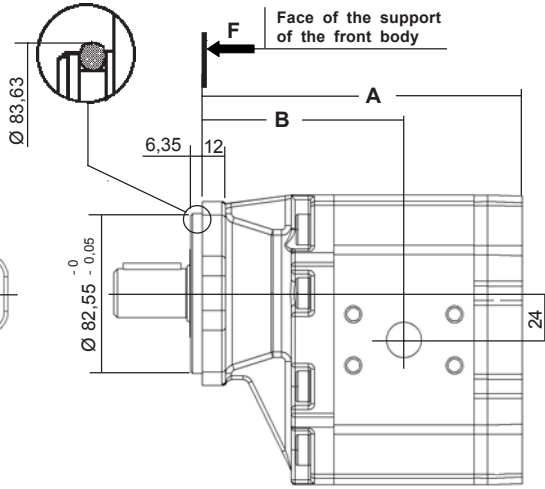
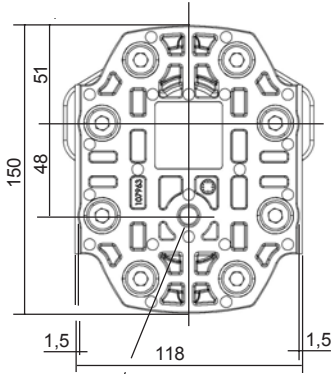


Consult us for availability



For CODIFICATION, see data sheet **F.T.R 0243**

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

Seal kits:

M1 - M2

Nitrile: K5074043 + K103765 + K102901

Viton: K5074044 + K104156 + K104093

(For the manufacturings from october 1991)

M3 - M5/M6

Nitrile: K5071073 + K103765 + K102901

Viton: K5071074 + K104156 + K104093

(For the manufacturings from april 1987)

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	6,4
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	6,5
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	7,7
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7,8
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	8,3
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	8,4
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	8,6
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8,8

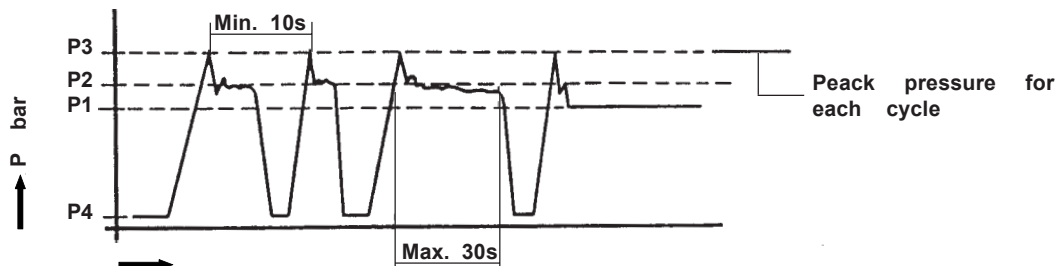
On the hereunder indicated diagram, the maximum duty pressure are the following.

P1 Maximum pressure in continuous duty

P2 Maximum pressure in intermittent duty

P3 Max. Allowable peak pressure

P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

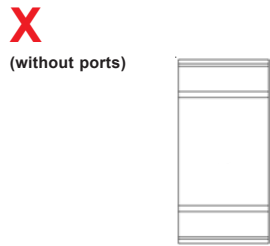
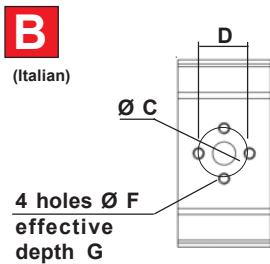
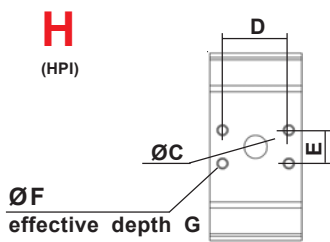
Dimensions readings and approximative characteristics subject to modifications.

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HYDRAULIC GEAR MOTORS SERIES 3

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET		
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

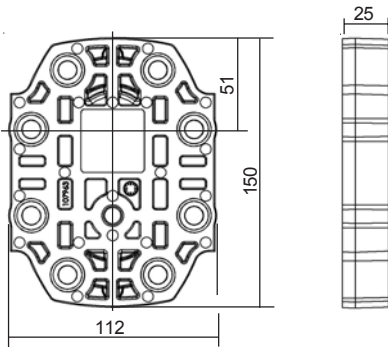
F.T 30 1489 2/4

Consult us for availability

REAR BODIES for MOTORS M1 - M2

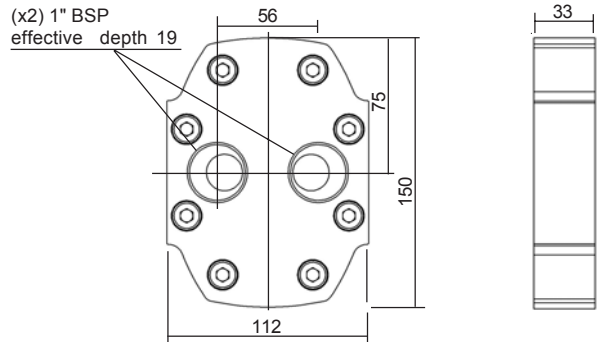
L

Standard



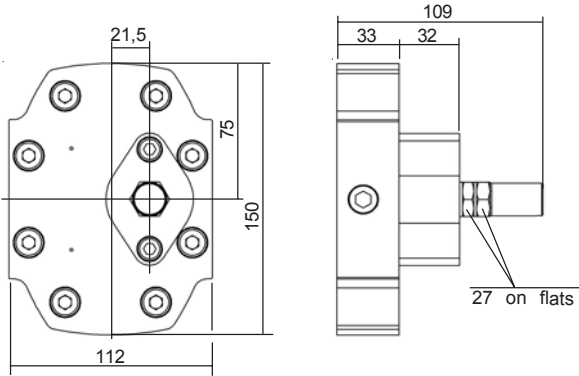
A

with ports



V

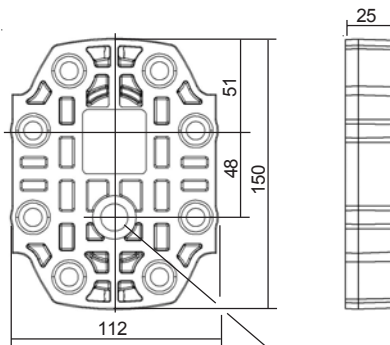
Low pressure relief valve
(Adjustable) Internal return



REAR BODIES for MOTORS M3 - M5 - M6

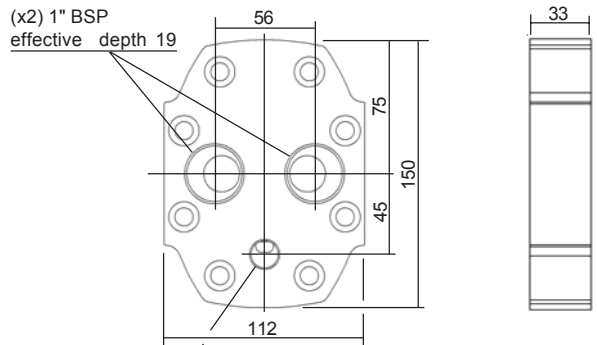
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1489 3/4

Consult us for availability

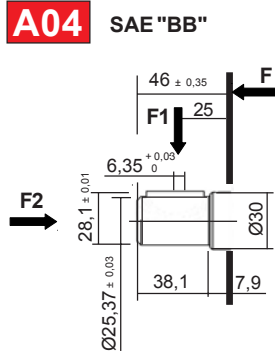
DRIVING SHAFTS

Tapered
10

Straight keyed
20

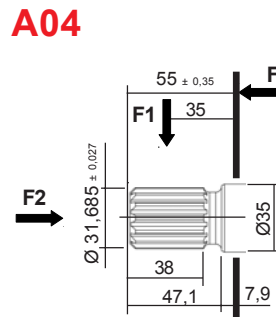
Splined
30

Tang
40



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
340 N.m

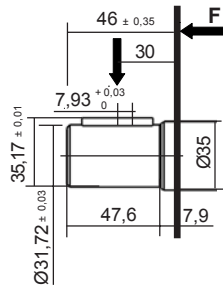


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
500 N.m

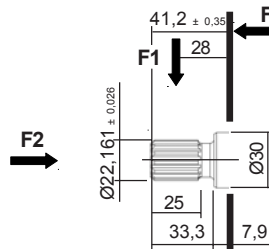
A05 SAE "C"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m

A19

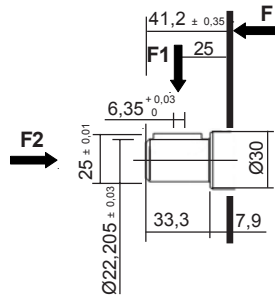


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m

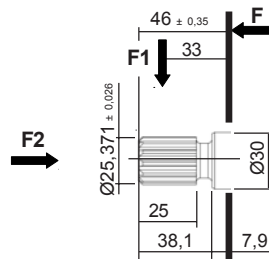
A07 SAE "B"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
290 N.m

A20



F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
490 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1489 4/4



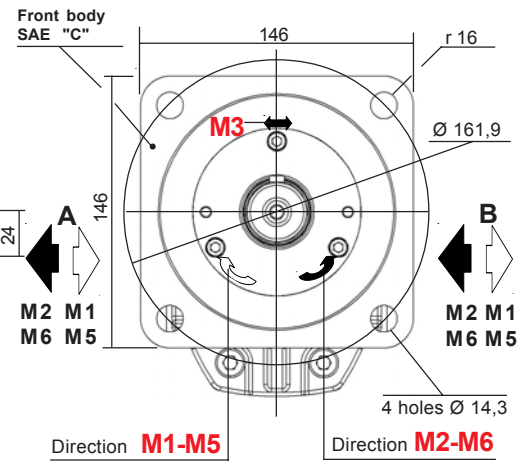
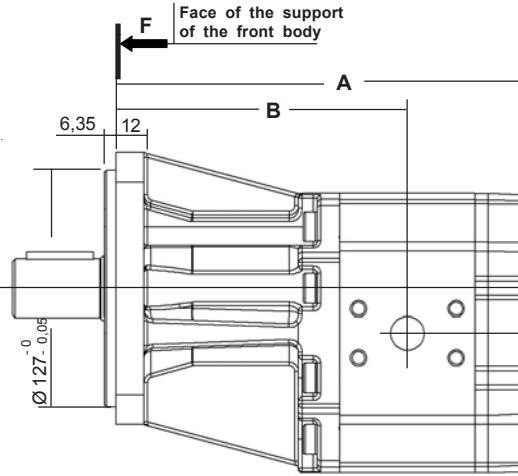
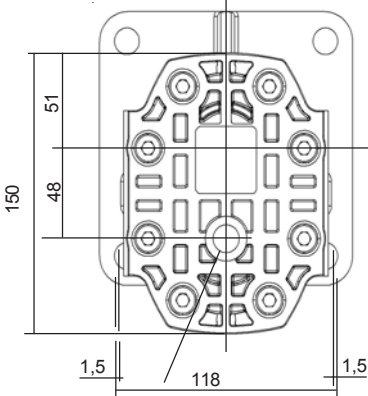
Consult us for availability



M II Sign ADF 3 VI Sign H L 2 0 A05 XII Sign

For CODIFICATION, see data sheet F.T R 0243

PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity **Dimensions**

	A	B
025 - 031 - 040	217,7	156,3
050 - 060	244,2	169,5
071 - 080 - 090 - 100	264,2	179,2

Seal kits:

M1 - M2
Nitrile: K5074043 + K101419
Viton: K5074044 + K101508
(For the manufacturings from october 1991)

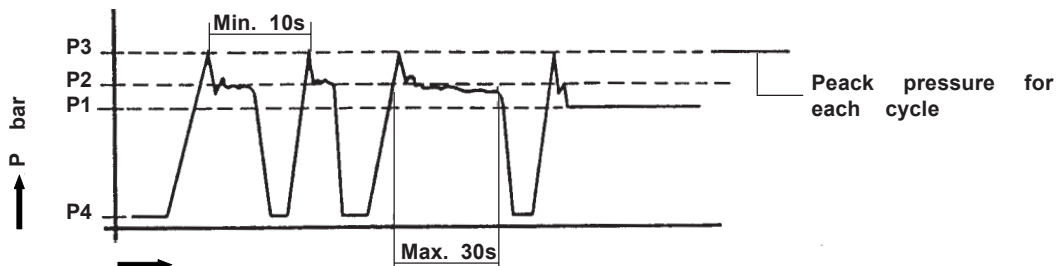
M3 - M5/M6
Nitrile: K5071073 + K101419
Viton: K5071074 + K101508
(For the manufacturings from april 1987)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	6,4
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	6,5
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	7,7
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7,8
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	8,3
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	8,4
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	8,6
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

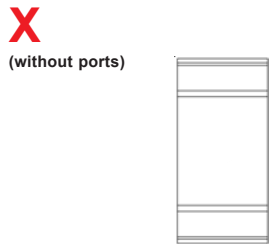
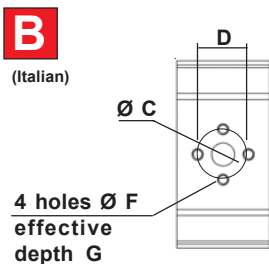
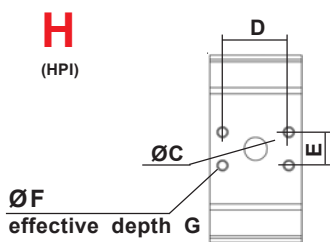
- P1 Maximum pressure in continuous duty
- P2 Maximum pressure in intermittent duty
- P3 Max. Allowable peak pressure
- P4 Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

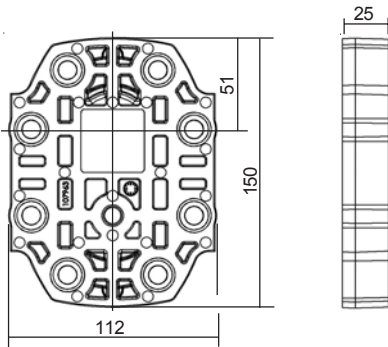
F.T 30 1490 2/4

Consult us for availability

REAR BODIES for MOTORS M1 - M2

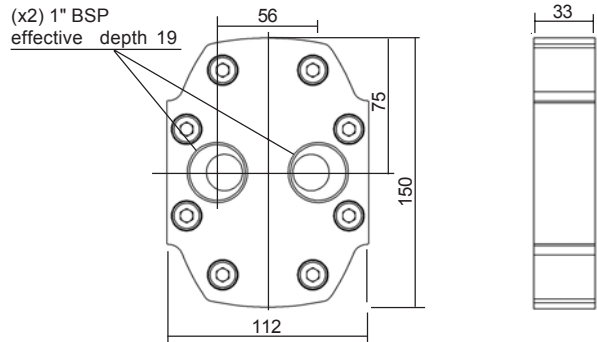
L

Standard



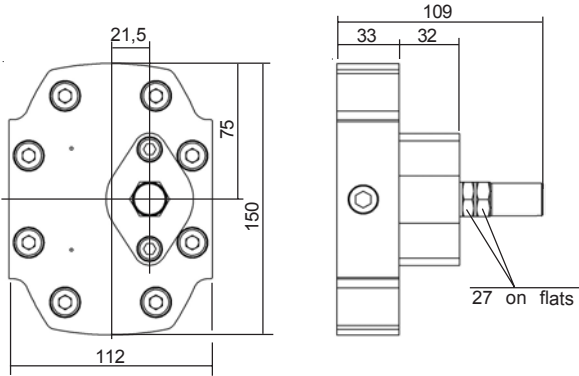
A

with ports



V

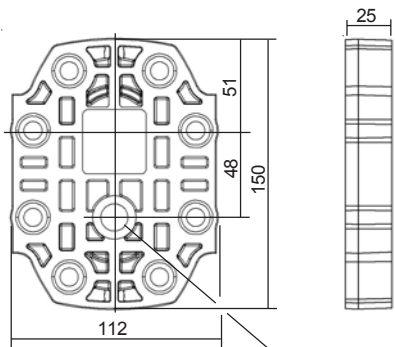
Low pressure relief valve
(Adjustable) Internal return



REAR BODIES for MOTORS M3 - M5 - M6

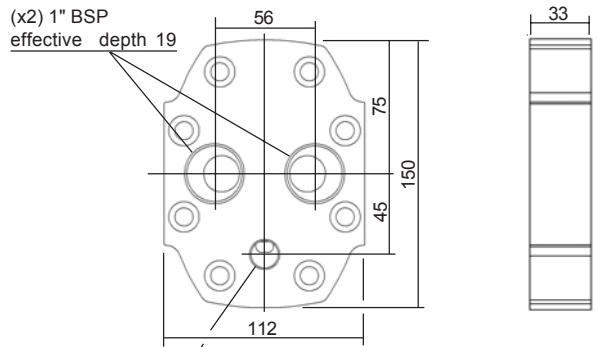
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1490 3/4

Consult us for availability

DRIVING SHAFTS

Tapered

Straight keyed

Splined

Tang

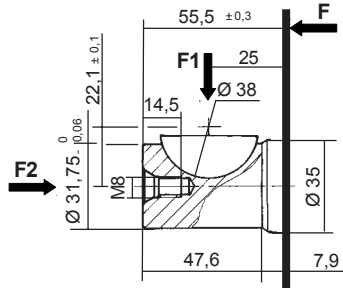
10

20

30

40

A05



F1 Maxi : 320 daN

F2 Maxi : 160 daN

Maxi transmissible torque

430 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1490 4/4



Consult us for availability

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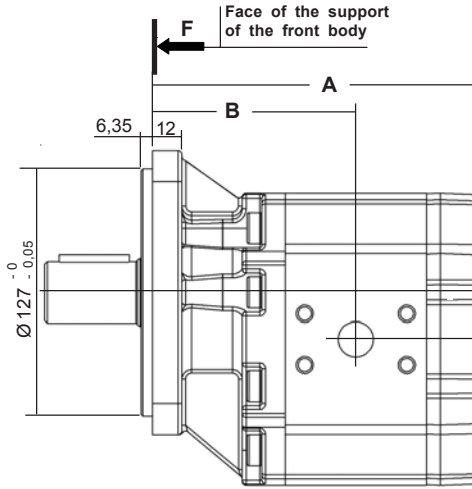
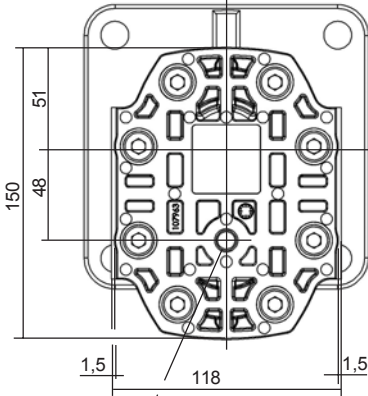
[next](#)

[main dimensions](#)

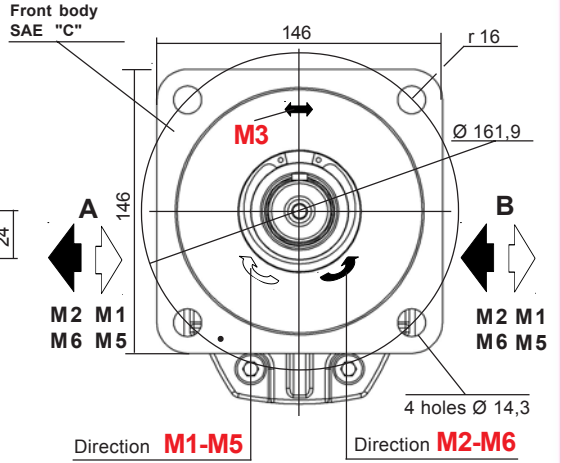


M II Sign **AD P 3** VI Sign **H L** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

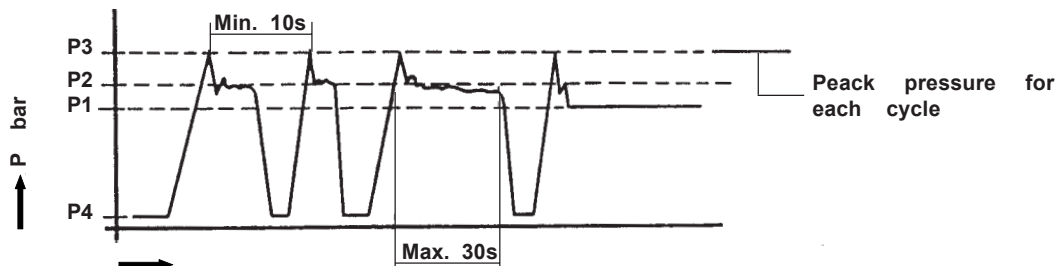
Seal kits:
M1 - M2
Nitrile: K5074043 + K103765
Viton: K5074044 + K104156
(For the manufacturings from october 1991)
M3 - M5/M6
Nitrile: K5071073 + K103765
Viton: K5071074 + K104156
(For the manufacturings from april 1987)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1	P2	100 bar	210 bar	300 bar		
		bar	PSI	bar	PSI	bar	PSI	RPM	RPM	1450 PSI	3045 PSI	4350 PSI		
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	6,4
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	6,5
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	7,7
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7,8
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	8,3
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	8,4
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	8,6
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

- P1** Maximum pressure in continuous duty
- P2** Maximum pressure in intermittent duty
- P3** Max. Allowable peak pressure
- P4** Pressure at Motor outlet ≤ P (Only in M3)

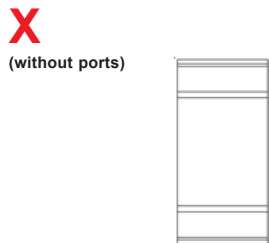
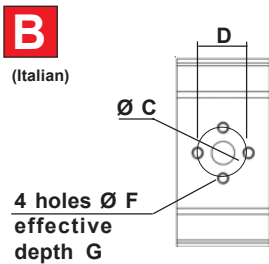
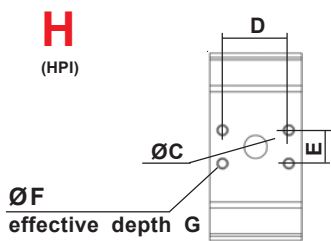


Consult us for availability

F.T 30 1491 1/4

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure M1				2 ways rotation with counter pressure	
INLET	OUTLET	INLET	OUTLET		
1 way rotation without counter pressure M5				M3	
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

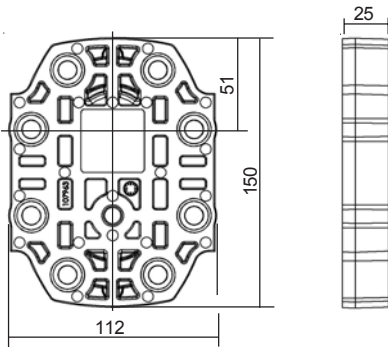
F.T 30 1491 2/4

Consult us for availability

REAR BODIES for MOTORS M1 - M2

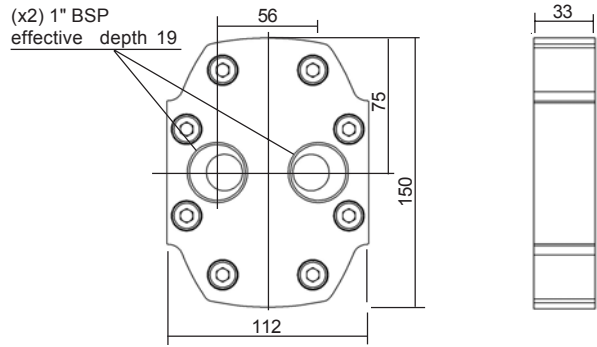
L

Standard



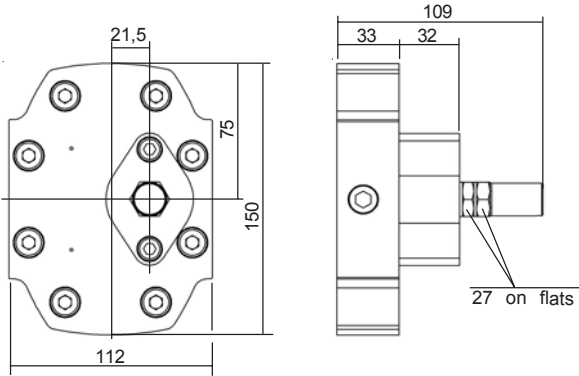
A

with ports



V

Low pressure relief valve
(Adjustable) Internal return

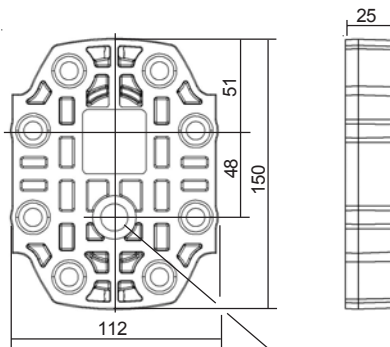


Dimensions readings and approximative characteristics subject to modifications.

REAR BODIES for MOTORS M3 - M5 - M6

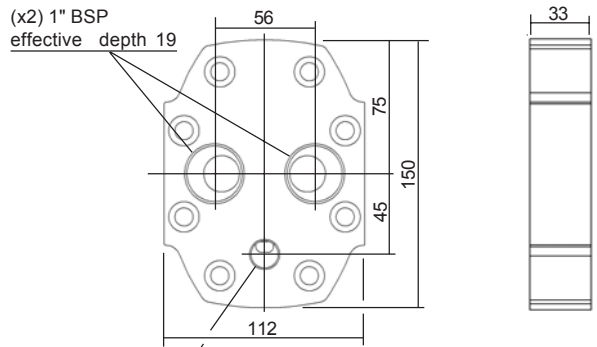
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11
for bi directional (M3) or single directional
motor (M5/M6) but working with a counter
pressure in the return port.

Max. tightening torque of the connexion
50 N.m

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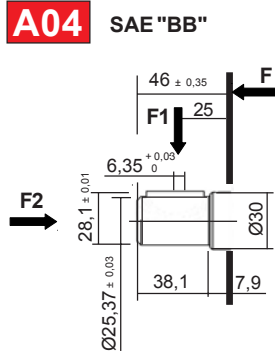
DRIVING SHAFTS

Tapered
10

Straight keyed
20

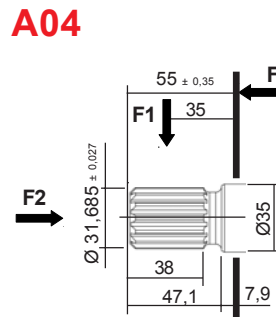
Splined
30

Tang
40



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
340 N.m

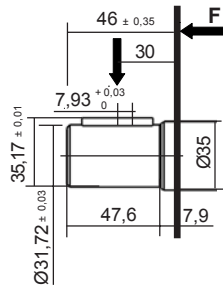


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
500 N.m

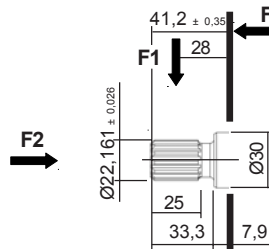
A05 SAE "C"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m

A19

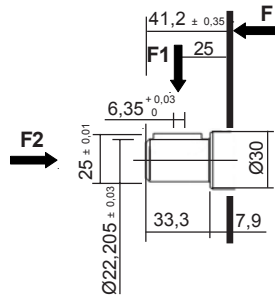


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m

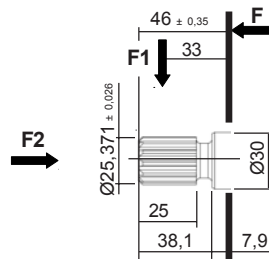
A07 SAE "B"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
290 N.m

A20



F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
490 N.m

Dimensions readings and approximative characteristics subject to modifications.

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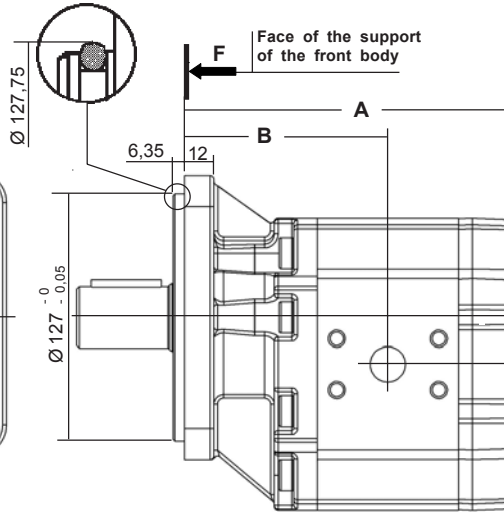
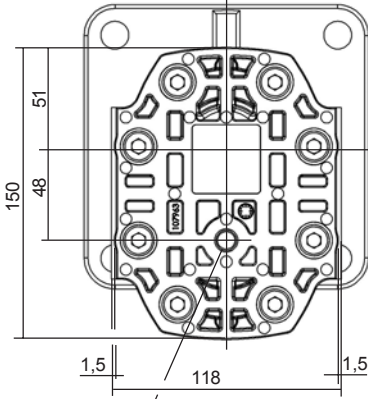


Consult us for availability

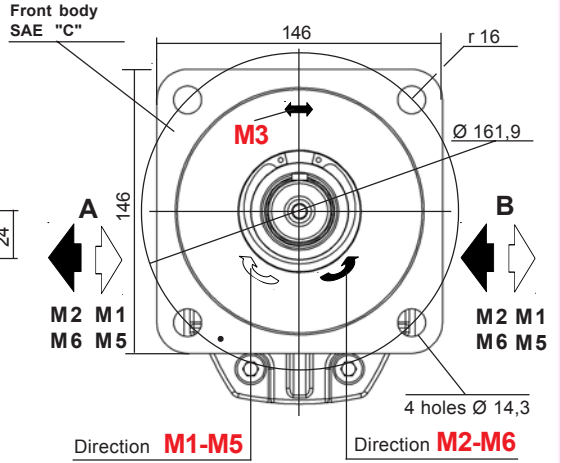


M II Sign **ADR 3** VI Sign **HL** IX Sign X Sign XI Sign XII Sign

For CODIFICATION, see data sheet **F.T.R 0243**



PRESSURE at the DRAINING:
1 bar MAXI (14,5 PSI)



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

CHOICE of the Capacity	Dimensions	
	A	B
025 - 031 - 040	165,7	104,3
050 - 060	192,2	117,5
071 - 080 - 090 - 100	212,2	127,2

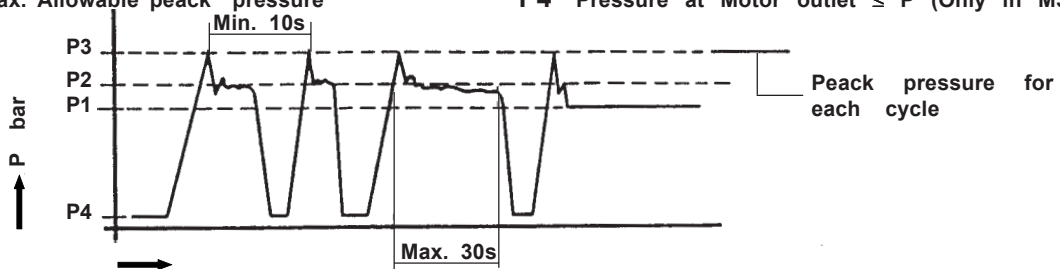
Seal kits:
M1 - M2
Nitrile: K5074043 + K103765 + K107089
Viton: K5074044 + K104156 + K107090
(For the manufacturings from october 1991)
M3 - M5/M6
Nitrile: K5071073 + K103765 + K107089
Viton: K5071074 + K104156 + K107090
(For the manufacturings from april 1987)

Dimensions readings and approximative characteristics subject to modifications.

MODEL	Capacity cc / rev	MAXI PRESSURE						Maxi speed at		mini speed at RPM			Maxi speed at Δ P ≤ 100 bar (1450 PSI)	approx. weight Kg
		P1		P2		P3		P1 RPM	P2 RPM	100 bar 1450 PSI	210 bar 3045 PSI	300 bar 4350 PSI		
		bar	PSI	bar	PSI	bar	PSI							
3025	25	200	2900	225	3260	250	3625	2500	2800	800	1000	1300	3500	6,4
3031	31	180	2610	210	3045	225	3625	2300	2600	500	1000	1000 ^{225 bar}	3000	6,4
3040	40	180	2610	210	3045	225	3625	2300	2600	500	800	1000 ^{225 bar}	3000	6,5
3050	50	175	2537	205	2972	225	3625	2200	2500	500	800	1000 ^{225 bar}	3000	7,7
3060	60	160	2320	185	2682	225	3262	2000	2300	500	800	1000 ^{200 bar}	3000	7,8
3071	71	150	2175	175	2537	225	3262	2000	2300	500	800		2500	8,3
3080	80	120	1740	150	2175	200	2900	1700	2000	500	800 ^{175 bar}		2500	8,4
3090	90	100	1450	130	2175	175	2537	1500	1800	400	800 ^{175 bar}		2000	8,6
3100	100	100	1450	125	1812	175	2175	1500	1800	400	800 ^{150 bar}		2000	8,8

On the hereunder indicated diagram, the maximum duty pressure are the following.

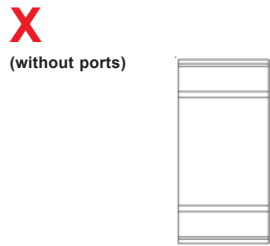
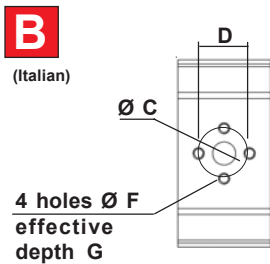
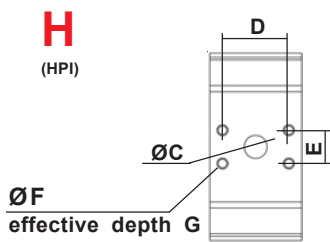
- P1** Maximum pressure in continuous duty
- P2** Maximum pressure in intermittent duty
- P3** Max. Allowable peack pressure
- P4** Pressure at Motor outlet ≤ P (Only in M3)



Consult us for availability

CHOICE of the IMPLANTATION of PORTS

Port connector, see our Catalogue N° 70



Capacity	INLET A					OUTLET B				
	ØC	D	E	ØF	G	ØC	D	E	ØF	G
	3025 to 3040	18	52,4	26,2	M8	17	18	52,4	26,2	M8
3050 3060	22	52,4	26,2	M8	17	22	52,4	26,2	M8	17
3071 to 3100	34	35,6	69,8	M8	17	34	35,6	69,8	M8	17
3025 to 3040	18	40		M8	16	27	51		M10	16
3050 3060										
3071 to 3100										
3025 to 3040	Only with rear body Type A									
3050 3060										
3071 to 3100										

AFFECTATION					
1 way rotation without counter pressure				2 ways rotation with counter pressure	
M1		M2		M3	
INLET	OUTLET	INLET	OUTLET		
1 way rotation without counter pressure					
M5		M6			
INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
A	B	B	A	B	A
A	B	B	A	B	A

Dimensions readings and approximative characteristics subject to modifications.

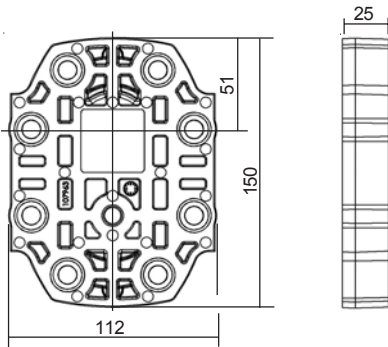
F.T 30 1492 2/4

Consult us for availability

REAR BODIES for MOTORS M1 - M2

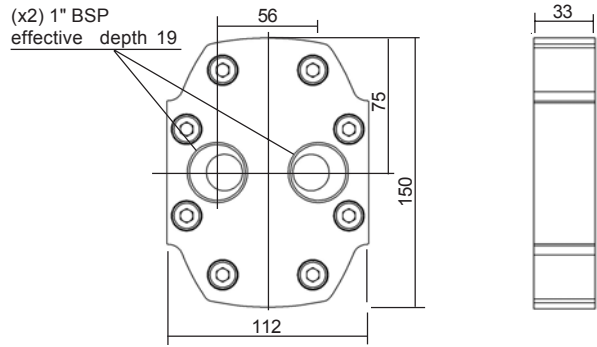
L

Standard



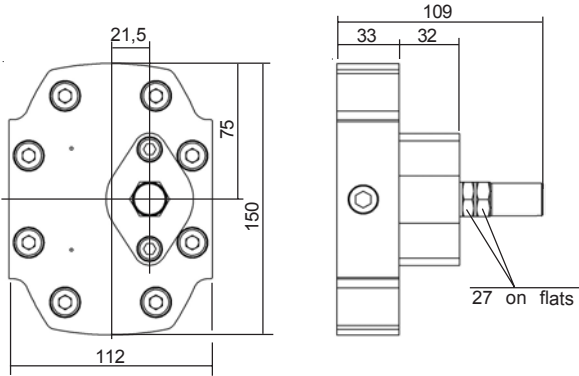
A

with ports



V

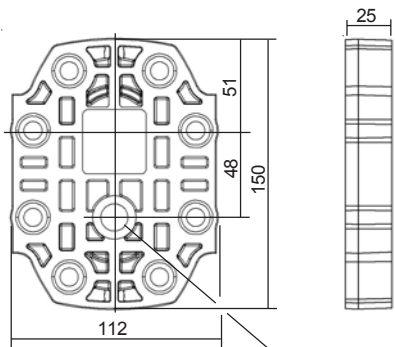
Low pressure relief valve
(Adjustable) Internal return



REAR BODIES for MOTORS M3 - M5 - M6

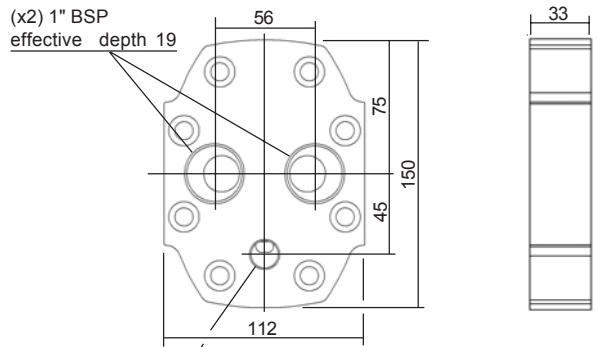
L

Standard



A

with ports



Drain port 3/8" BSP effective depth 18 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Drain port 3/8" BSP effective depth 11 for bi directional (M3) or single directional motor (M5/M6) but working with a counter pressure in the return port.

Max. tightening torque of the connexion
50 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1492 3/4

Consult us for availability

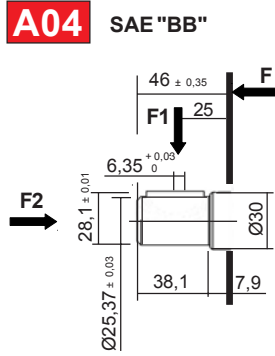
DRIVING SHAFTS

Tapered
10

Straight keyed
20

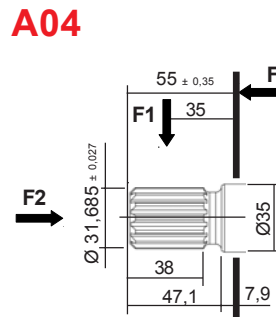
Splined
30

Tang
40



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
340 N.m

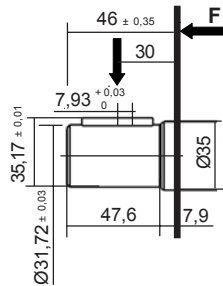


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "C"
14 teet - 1" 1/4-
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
500 N.m

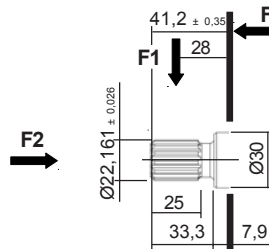
A05 SAE "C"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
430 N.m

A19

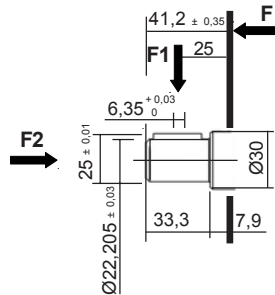


F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "B"
13 teeth - 7/8"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
310 N.m

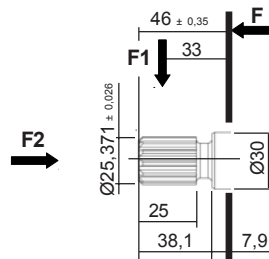
A07 SAE "B"



F1 = 140 daN
F2 = 50 daN

Maxi transmissible torque
290 N.m

A20



F1 = 120 daN
F2 = 50 daN

Involute spline to SAE "BB"
15 teeth - 1"
Diametral Pitch 16/32
30° Pressure angle

Maxi transmissible torque
490 N.m

Dimensions readings and approximative characteristics subject to modifications.

F.T 30 1492 4/4



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