



P2*

MODULAR SUBPLATES FOR CETOP 03 VALVES

This series of modular subplates has been designed to make hydraulic circuits and can be used directly on power packs or on any other section of the machine.
 The subplates are assembled by means of 4 tie-rods with seal seats incorporated in the subplate.
 The above assembly achieves compact units (including pressure and discharge manifolds): one face per subplate is used for connection to services and the other to mount CETOP 03 valves.
 Complex circuits can also be set up using modular valves.
 The recommended mounting configuration for P2* subplates on hydraulic power packs is with the main axis positioned vertically to obtain the bundle of pipes to utilities in two vertical rows; however assembly is not restricted to this configuration.

p max 350 bar
Q max 50 l/min

Technical characteristics		
Maximum operating pressure	- P-A-B ports - T port	bar bar See par. 11 140
Maximum flow		l/min 50
Ports dimensions:	P - port (pressure) T - port (drainage) T - port (drainage) A/B - port	BSP BSP BSP BSP 3/8" 1/2" 3/8" 3/8"
Ambient temperature range		°C -20 ÷ +50
Fluid temperature range		°C -20 ÷ +80
Fluid viscosity range		cSt 10 ÷ 400
Recommended filtration		cSt 25
Fluid contamination range	According to NAS 1638 class 10	

1 - IDENTIFICATION CODE

P	2	D	-		/	21
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Subplate _____

Dimension for CETOP 03 valves _____

Single mounting facility _____

Serial No :
(from 20 to 29 and from 30 to 39 overall and mounting dimensions remain unchanged)

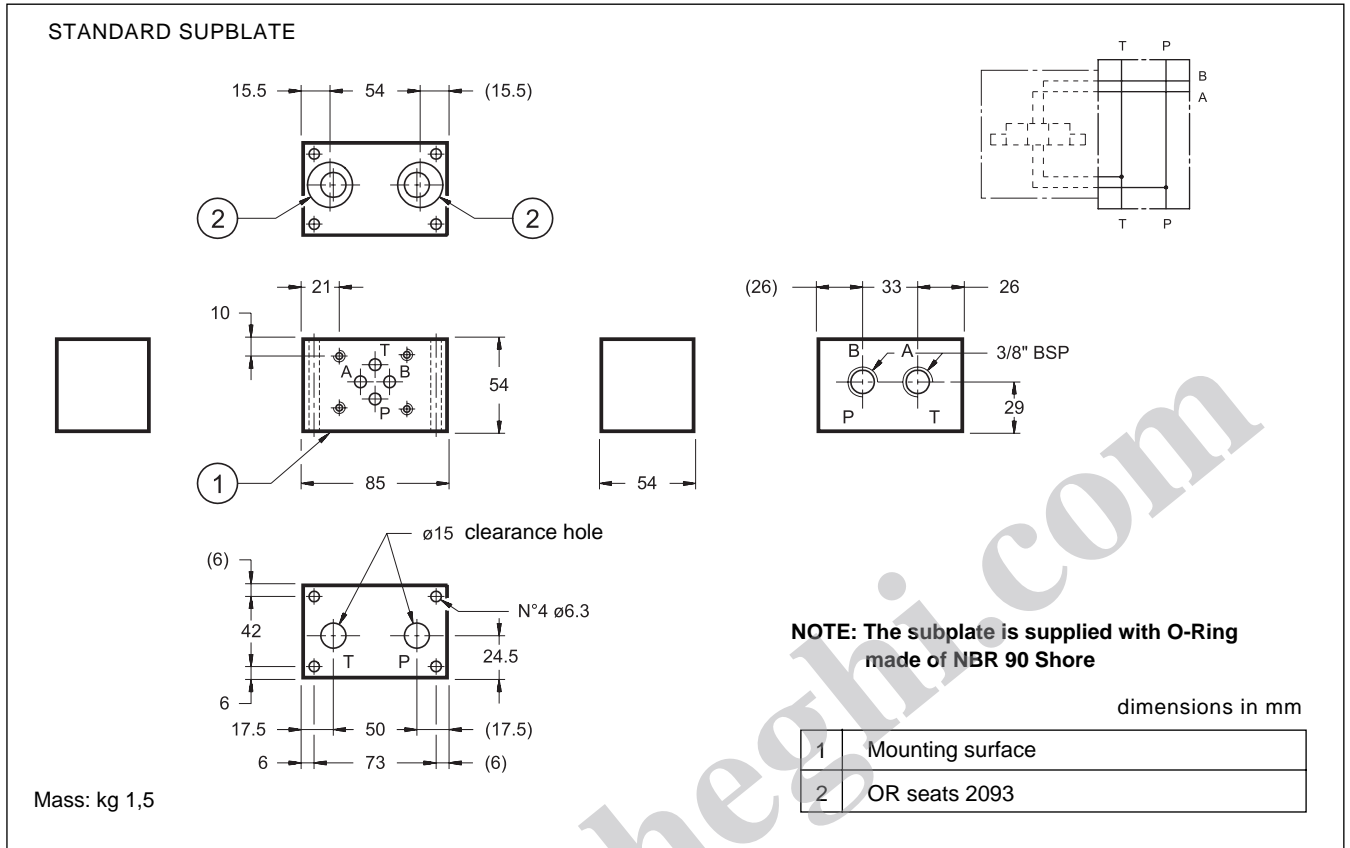
Versions: (omit for standard subplate P2D/21)

F = with P - T threaded ports and additional pressure port.
I = intermediate with threaded fastening holes to reduce rods length and additional pressure port.
Z = arranged for the installation of an MZD pressure reducing valve

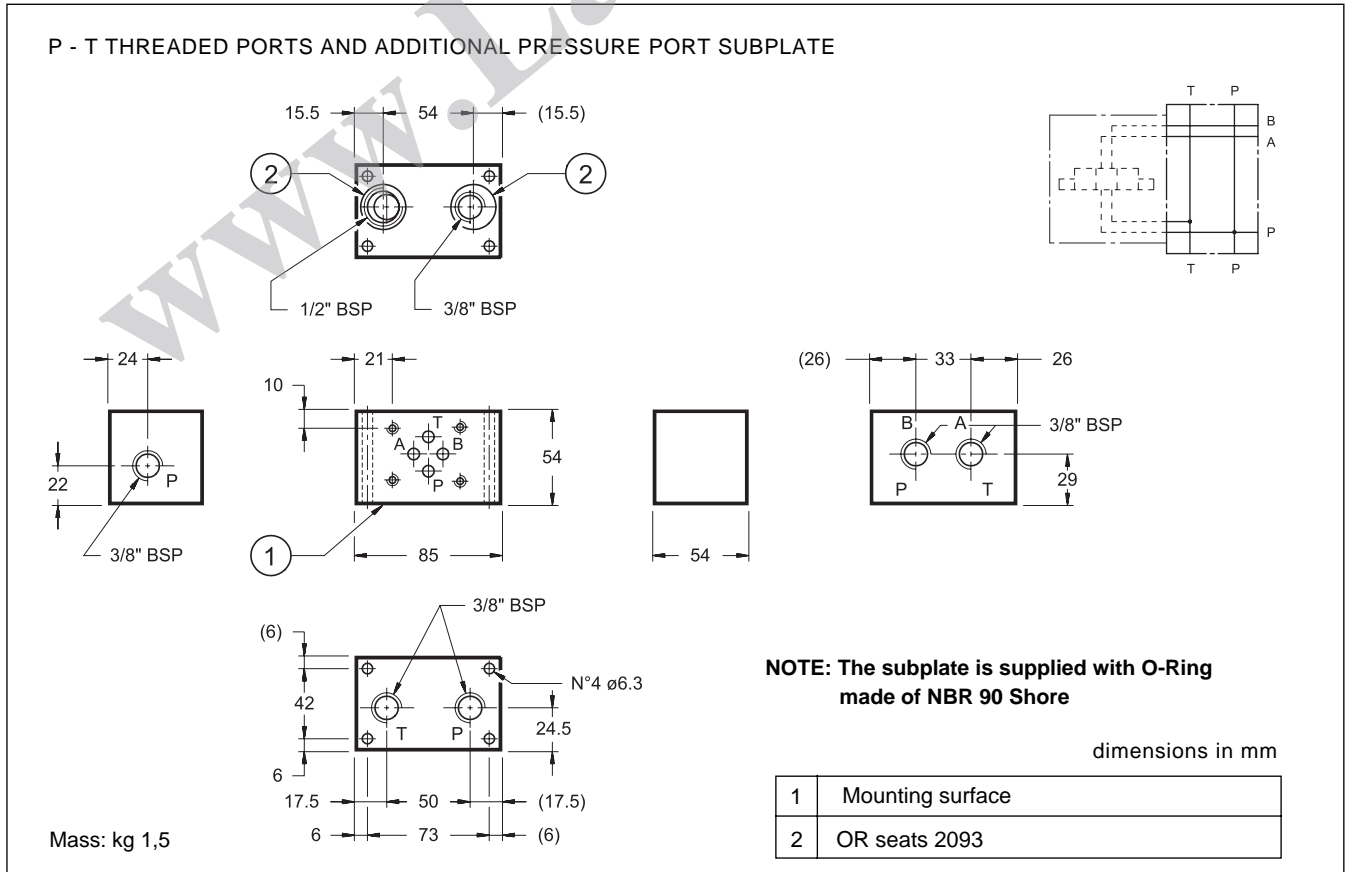
NOTE: identification code of subplates
P2*-M*/33 see parag. 6



2- OVERALL AND MOUNTING DIMENSIONS P2D/21 (cod. 1560121)



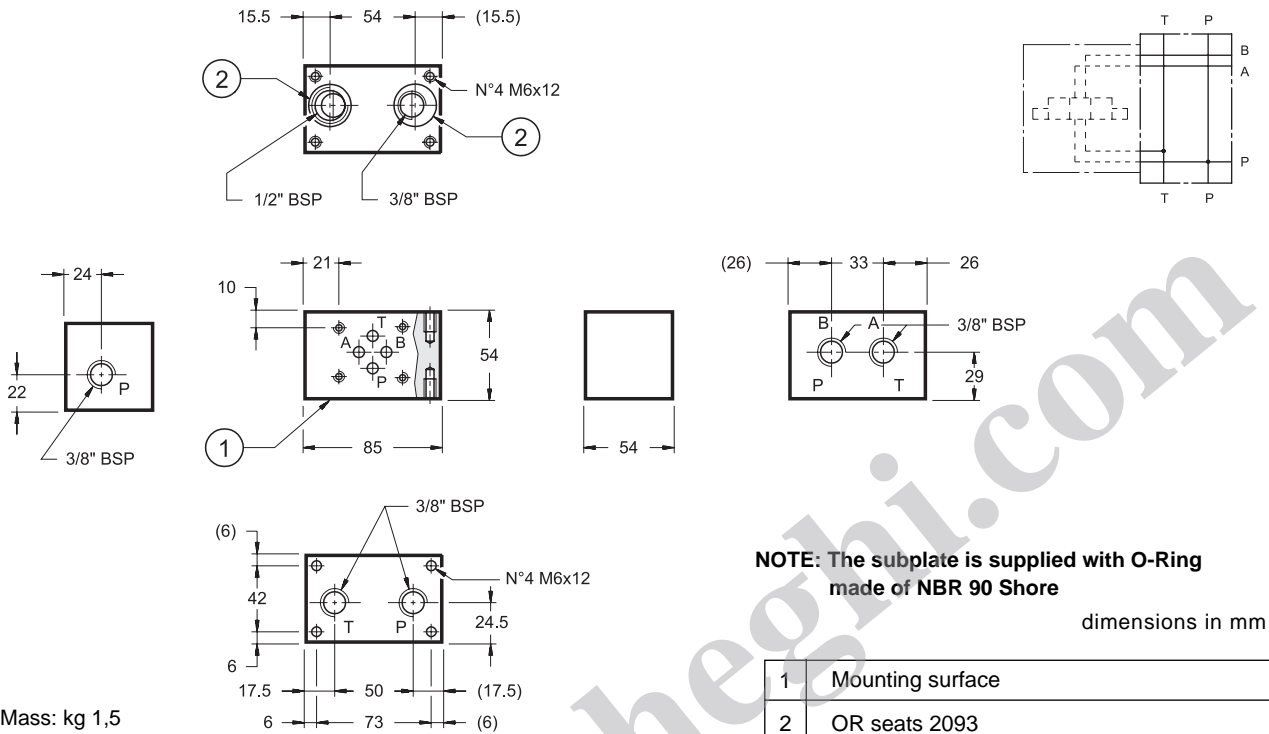
3 - OVERALL AND MOUNTING DIMENSIONS P2D-F/21 (cod. 1560122)





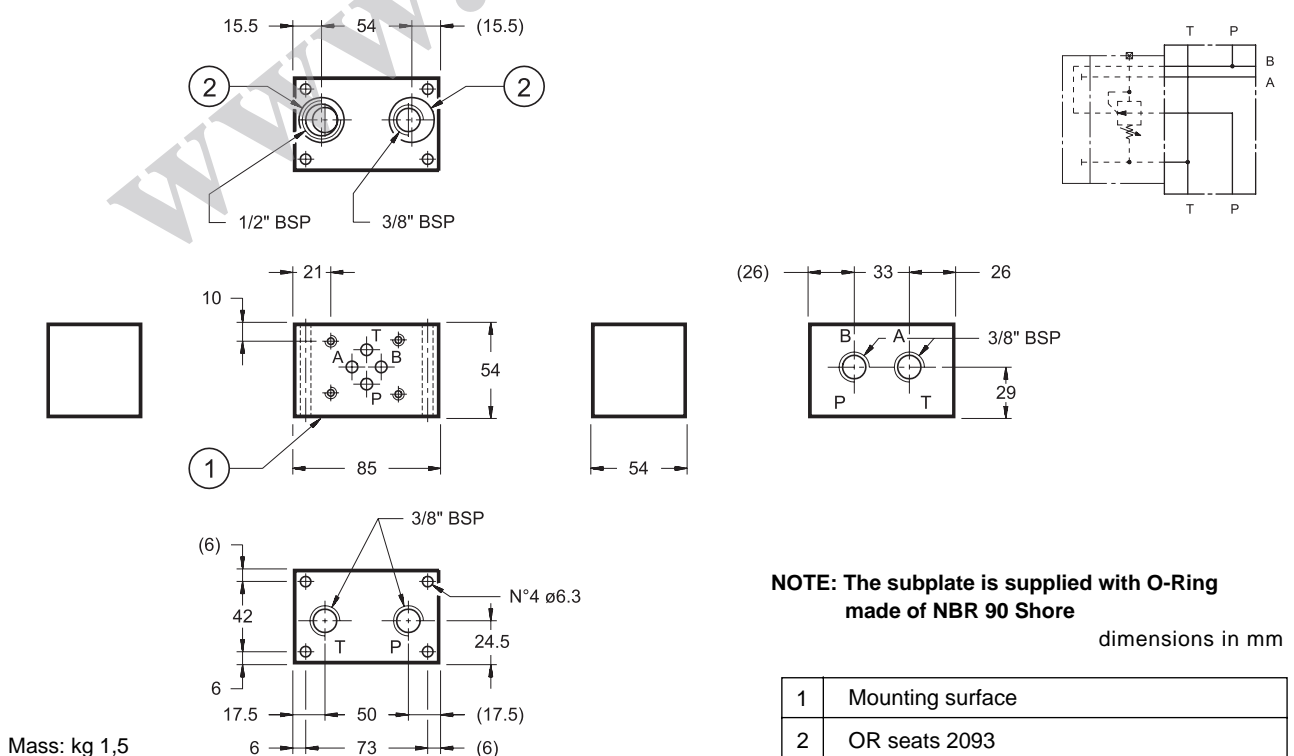
4 - OVERALL AND MOUNTING DIMENSIONS P2D-I/21 (cod. 1560123)

INTERMEDIATE SUBPLATE WITH THREADED FASTENING HOLES TO REDUCE ROD LENGTH AND ADDITIONAL PRESSURE PORT



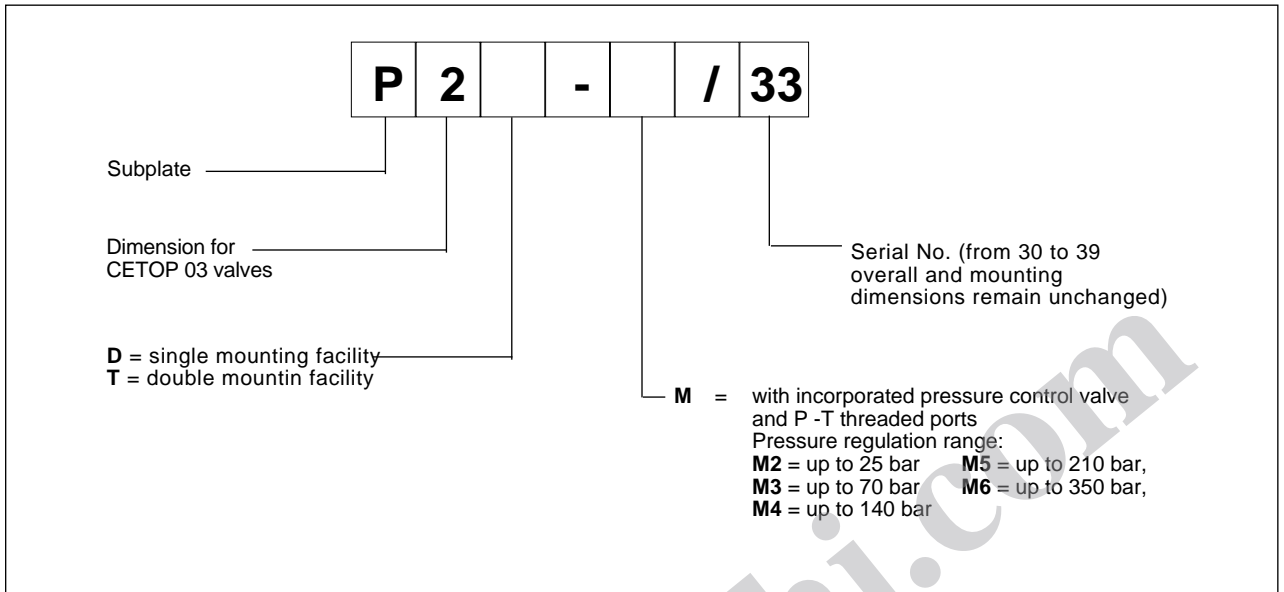
5 - OVERALL AND MOUNTING DIMENSIONS P2D-Z/21 (cod. 1560025)

SUBPLATE ARRANGED FOR THE INSTALLATION OF AN MZD PRESSURE REDUCING VALVE

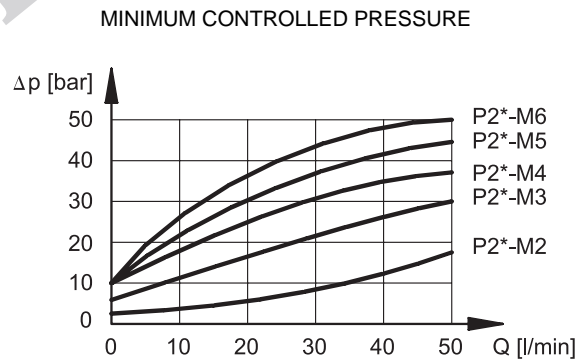
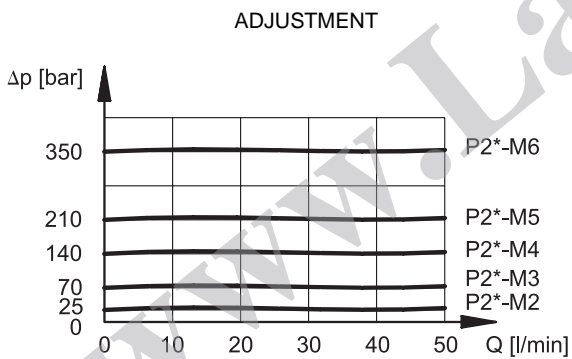




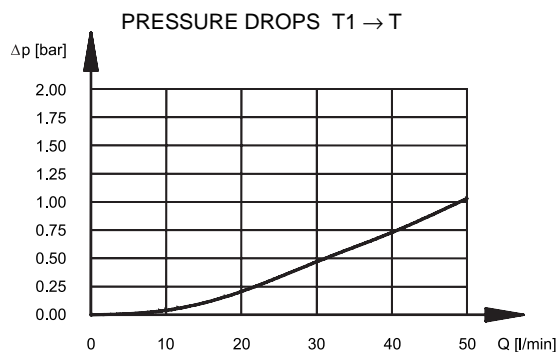
6 - IDENTIFICATION CODE subplates with incorporated pressure control valve



7 - CHARACTERISTIC CURVES FOR P2D-M* E P2T-M* SUBPLATES WITH PRESSURE CONTROL VALVE INCORPORATED (values obtained with viscosity of 36 cSt at 50°C)



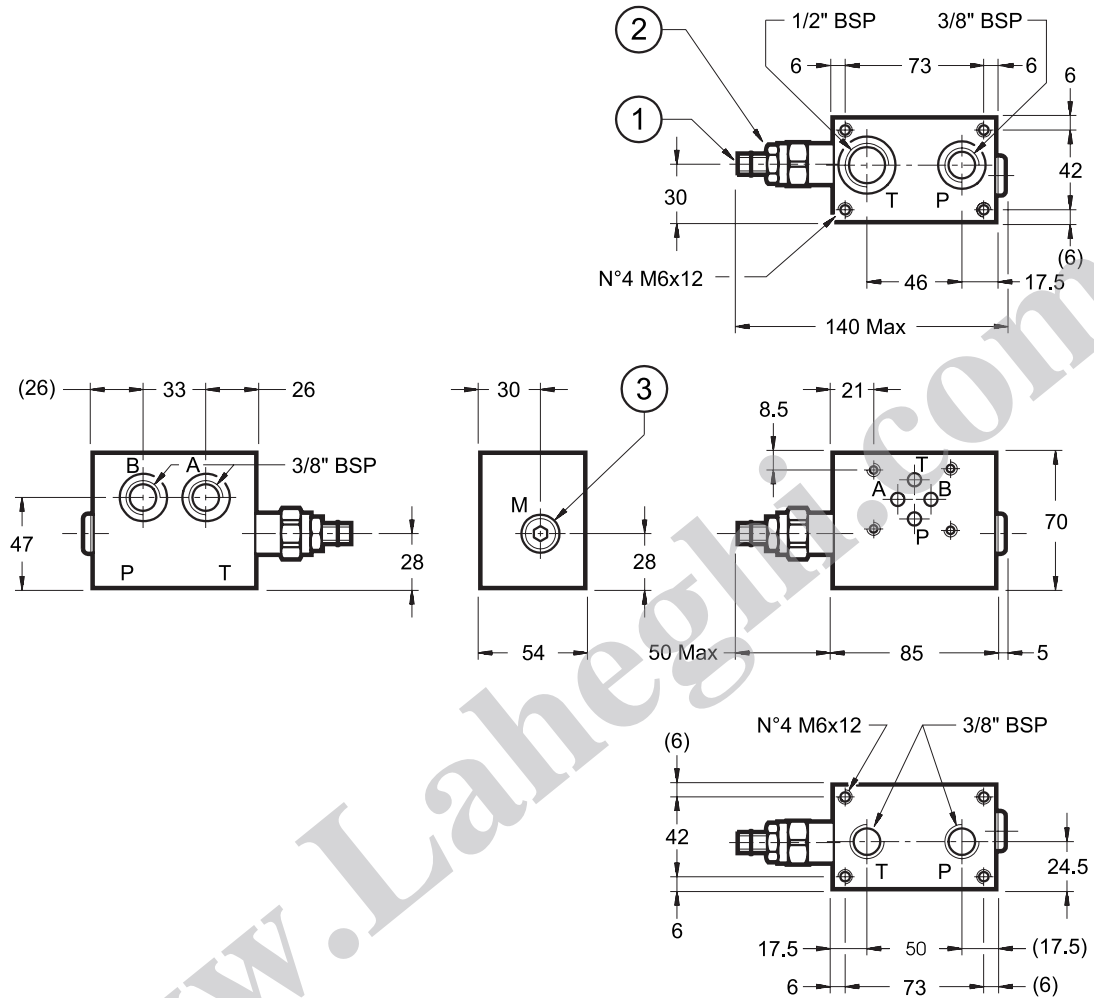
pressure drops P-T with calibrated screw at the regulation beginning (minimum controlled pressure)



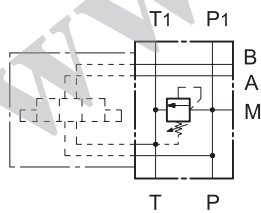


8 - OVERALL AND MOUNTING DIMENSIONS P2D-M*/ 33

SINGLE MOUNTING FACILITY SUBPLATE WITH PRESSURE RELIEF VALVE INCORPORATED



HYDRAULIC SYMBOL



dimensions in mm

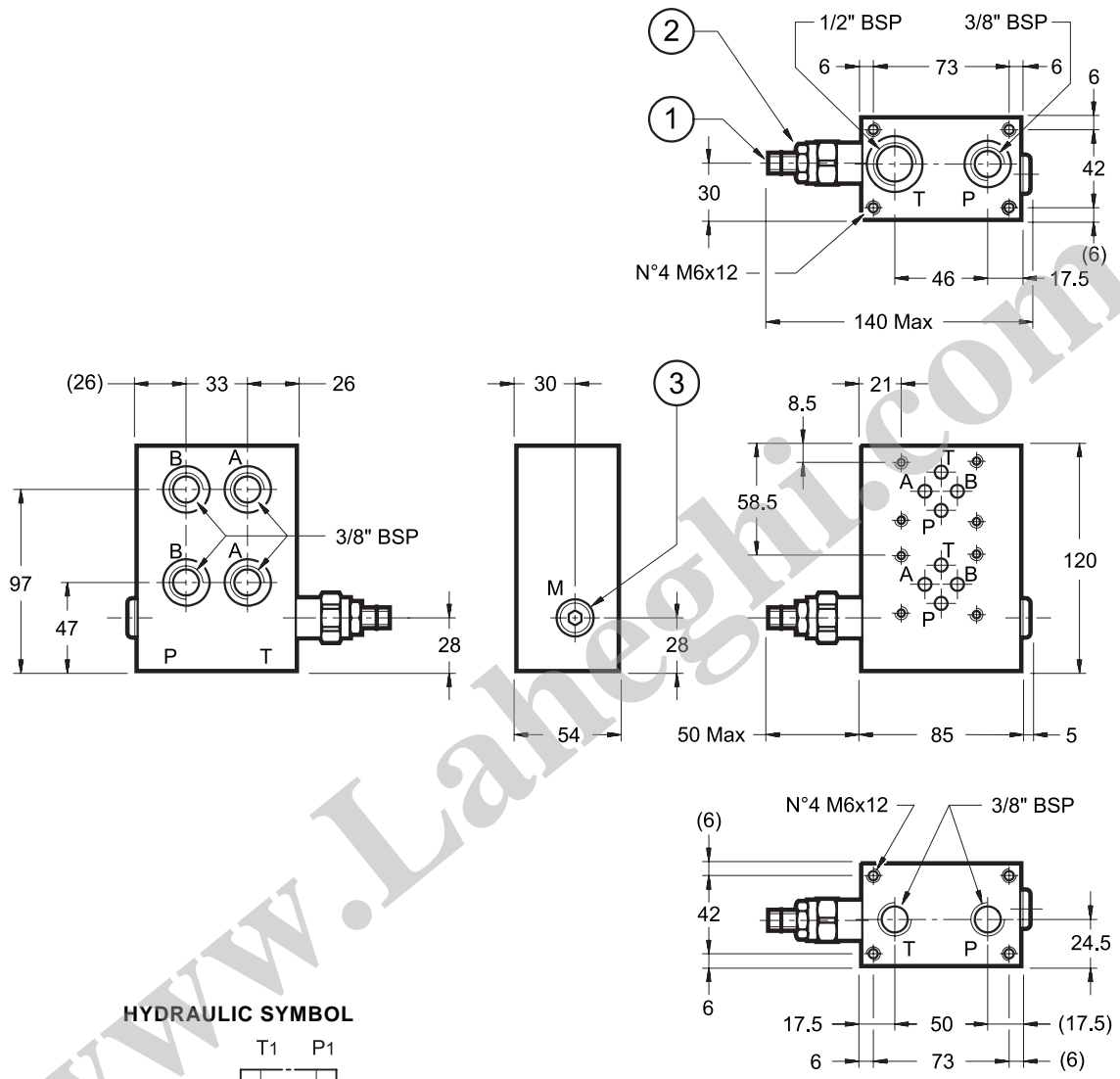
Mass: kg 2,5

1	Countersunk hex. adjustment screw: spanner 6 Clockwise rotation to increase pressure
2	Locking nut: spanner 19
3	Pressure gauge port 1/4" BSP plugged

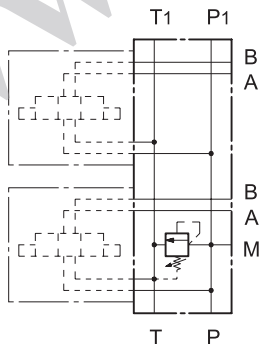


9 - OVERALL AND MOUNTING DIMENSIONS P2T-M* /33

DOUBLE MOUNTING FACILITY SUBPLATE WITH PRESSURE RELIEF VALVE INCORPORATED



HYDRAULIC SYMBOL



dimensions in mm

1	Countersunk hex adjustment screw: spanner 6 Clockwise rotation to increase pressure
2	Locking nut: spanner 19
3	Pressure gauge port 1/4" BSP plugged

Mass: kg 5



10 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids, with the addition of suitable anti-frothing and anti-oxidizing agents.
For the use of other types (water glycol, phosphate esters and others), please consult our technical department.

11 - PRESSURE LIMIT ON P

Depending on the tie-rod type and on the number of assembled subplates it is necessary to pay attention to the maximum pressure on P in order to avoid extruding the O-Rings.

n° of assembled subplates	Threaded bar class B7 DIN 975	Stud class 8.8 UNI 5911	Stud class 12.9
2	350 bar	350 bar	350 bar
3	300 bar	350 bar	350 bar
4	250 bar	300 bar	350 bar
5	200 bar	250 bar	300 bar
6	150 bar	200 bar	250 bar
Tightening torque	8 Nm	8 Nm	12 Nm



P2*

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**DIPLOMATIC
HYDRAULICS**

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