

Hydraulic Steering Unit

Series OSPT
Displacement: 50 to 400cc/rev
Max pressure up to 175 bar
Max flow 40lpm



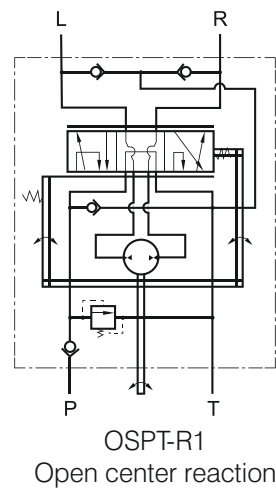
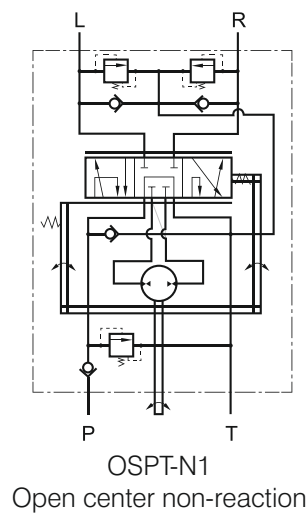
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Features

- High efficiency, long service life.
- Compact & Convenient
- Low pressure drops & Steering torque
- Ports available to DIN, ISO or SAE
- Sizes 50 to 400cc/rev
- Available with built in valve functions shock, inlet check, suction & relief valves
- According to European & US standards
- Extensively used in forklift trucks, tractor, Combines & loaders

Symbols





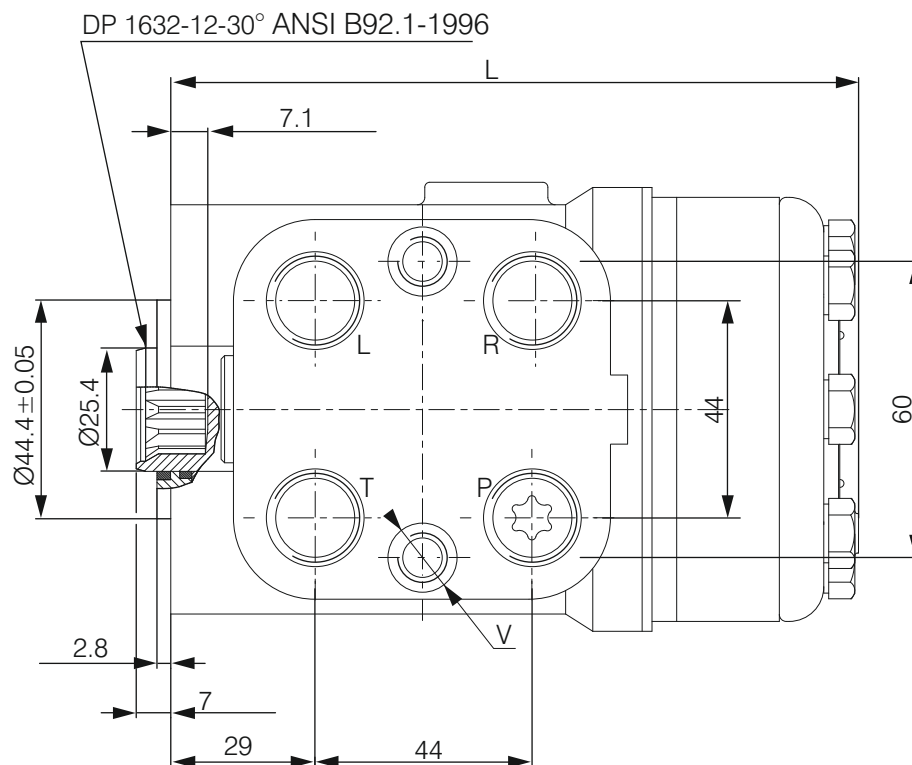
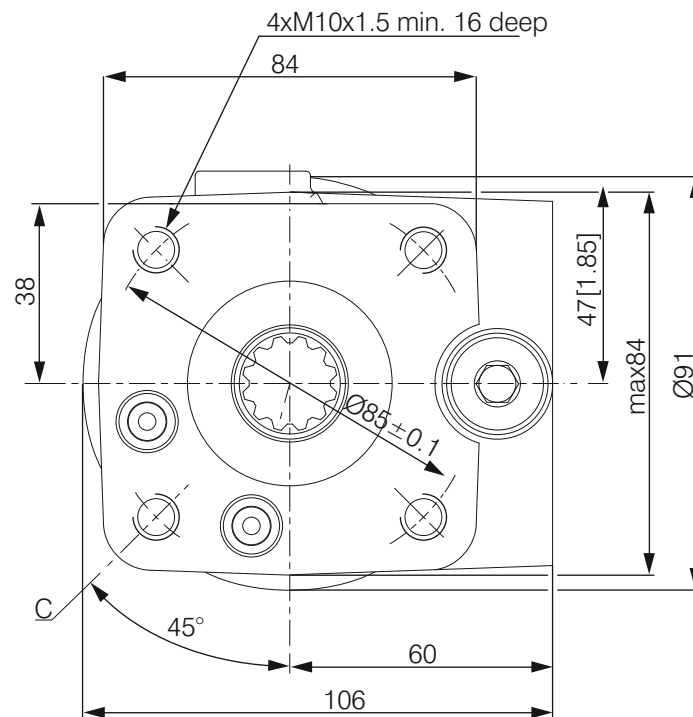
Ordering code

	OSPT	N1	-100	01/	A	14	T3	N
Steering control unit								
Open center non reaction		= N1						
Open center reaction		= R1						
Displacement cc/rev								
50		= 50						
63		= 63						
80		= 80						
100		= 100						
125		= 125						
160		= 160						
200		= 200						
250		= 250						
280		= 280						
315		= 315						
400		= 400						
Series				= 01				
Valve Options								
relief valve+shock valves+suction valves					= A			
relief valve+shock valves					= B			
relief valves+suction valves					= C			
shock valves+suction valves					= D			
suction valves					= E			
relief valve pressure								
						= 60 bar		
						= 80 bar		
						= 100 bar		
						= 120 bar		
						= 140 bar		
						= 160 bar		
Shock valves pressure								
						= 200 bar		
						= 220 bar		
Thread port details							= T1-T2-T3-T4-T5-T6-T7	
NBR (Buna-N) Seal								= N
FPM (Viton) Seal								= V



Unit Dimensions OSPT-N1/R1

(Dimensions in mm)





Technical data OSPT N1/R1

Type	Displacement ml/r	Rated flow l/min	Max input pressure (bar)	Max. Cont. back pressure (bar)	Normal input Torque (N.m)	Length (mm)	Weight (kg)
OSPT-N1/R1-50	50	5	175	25	<2.5	131	5.4
OSPT-N1/R1-63	63	6	175	25	<2.5	133	5.5
OSPT-N1/R1-80	80	8	175	25	<2.5	135	5.6
OSPT-N1/R1-100	100	10	175	25	<2.5	138	5.7
OSPT-N1/R1-125	125	13	175	25	<2.5	141	5.9
OSPT-N1/R1-160	160	16	175	25	<2.5	146	6.0
OSPT-N1/R1-200	200	20	175	25	<3	151	6.2
OSPT-N1/R1-250	250	25	175	25	<3	157	6.5
OSPT-N1/R1-280	280	28	175	25	<3	162	6.6
OSPT-N1/R1-315	315	32	175	25	<3	167	6.9
OSPT-N1/R1-400	400	40	175	25	<3	177	7.2

Thread/Port details

Code	Port P, T, R, L Thread	Column Mounting Thread C	Valve Mounting Thread V
T1	M20x1.5 deep 14mm	4-M10 deep 17mm	2-M12 deep 16mm
T2	M22x1.5 deep 14mm	4-M10 deep 17mm	2-M12 deep 16mm
T3	M18x1.5 deep 14mm	4-M10 deep 17mm	2-M12 deep 16mm
T4	G1/2 deep 14mm	4-M10 deep 17mm	2-M12 deep 16mm
T5	3/4-16 UNF O-ring deep 14mm	4-3/8-16 UNC deep 16mm	2-3/8-24 UNF deep 16mm
T6	M20x1.5 O-ring deep 14mm	4-M10 deep 17mm	2-M12 deep 16mm
T7	M18x1.5 O-ring deep 14mm	4-M10 deep 17mm	2-M12 deep 16mm

Port type	Standard
T1, T2, T3, T6, T7	JB/T7912-1999(ISO262)
T4	GB/T707-1987(ISO228/1)
T5	ANSI B1.1-1982

