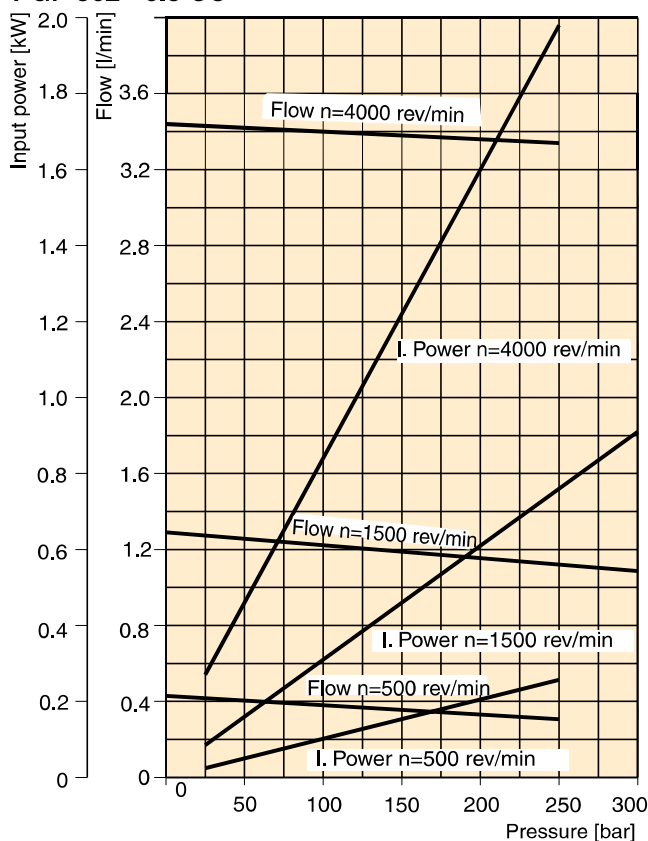
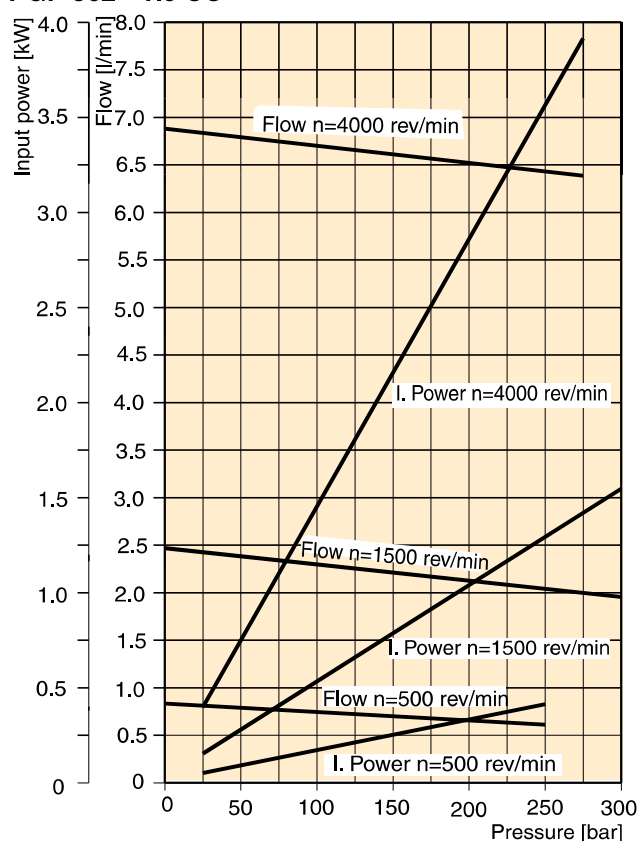


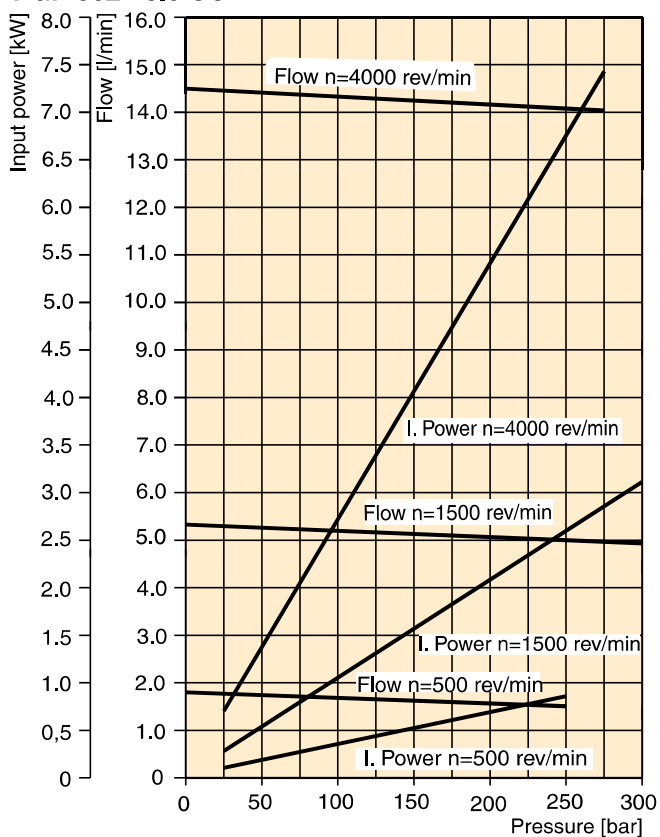
PGP 502 - 0.8 CC



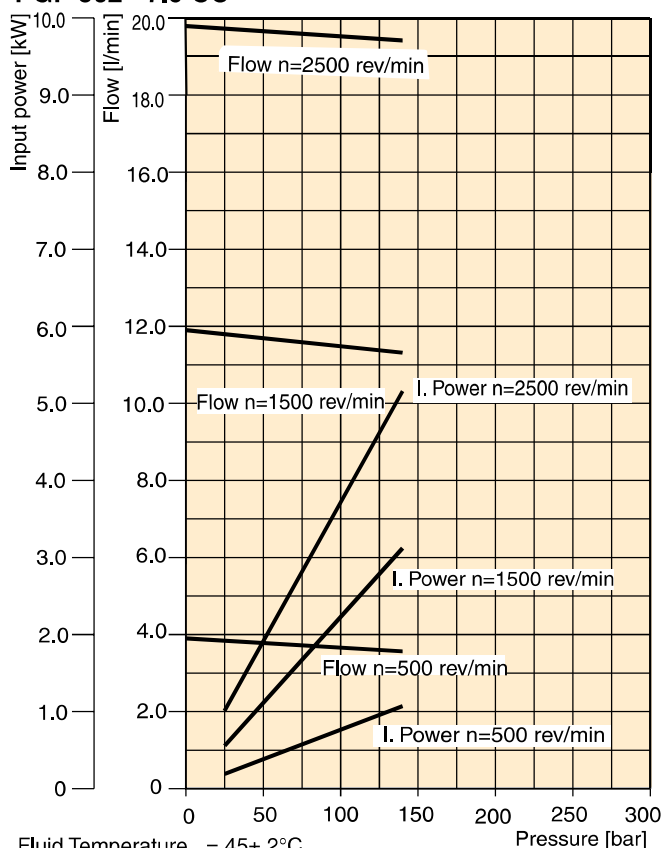
PGP 502 - 1.6 CC



PGP 502 - 3.6 CC



PGP 502 - 7.9 CC



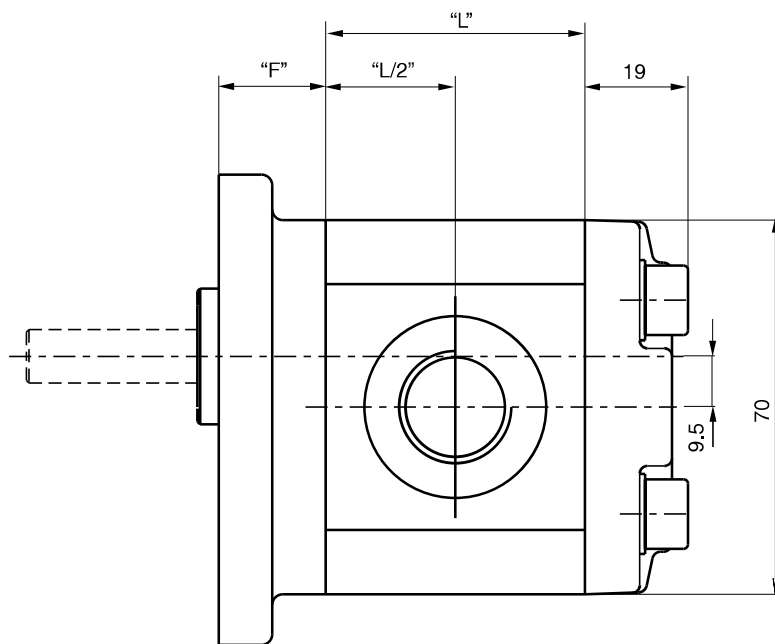
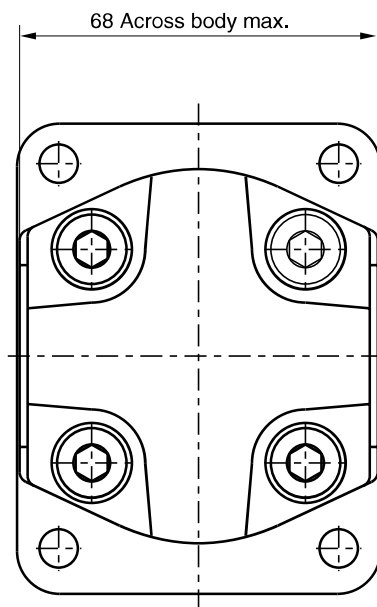
Fluid Temperature = $45 \pm 2^\circ\text{C}$
Viscosity = $36 \text{ mm}^2/\text{s}$
Inlet Pressure = $0.9 + 0.1 \text{ bar absolute}$

PGP 502 Pump Specification - Standard Displacements

Pump Displacement	Code	0008	0012	0016	0021	0025	0033	0036	0043	0048	0058	0062	0079
	cm³/rev	0.8	1.2	1.6	2.1	2.5	3.3	3.6	4.3	4.8	5.8	6.2	7.9
Max. Continuous Pressure	bar	280	280	280	280	280	280	260	250	230	200	180	160
Minimum Speed @ Max. outlet press.	rpm	500	500	500	500	500	500	500	500	500	500	500	500
Maximum Speed @ 0 Inlet & Max. outlet press.	rpm	5000	5000	5000	4500	4500	4000	4000	3500	3000	3000	3000	3000
Pump Input Power @ Max. Press. and 1500 rpm	kW	0.82	1.1	1.4	1.7	2.0	2.5	2.6	2.6	2.4	2.8	2.9	3.0
Dimension "L"	mm	35.3	36.8	38.3	39.9	41.5	44.5	45.6	48.5	50.0	53.8	55.3	61.6
Approximate Weight ¹⁾	kg	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.4	1.4	1.5	1.6

¹⁾ Single pump with Flange D1 and Port end cover B1

Single Unit PGP 502

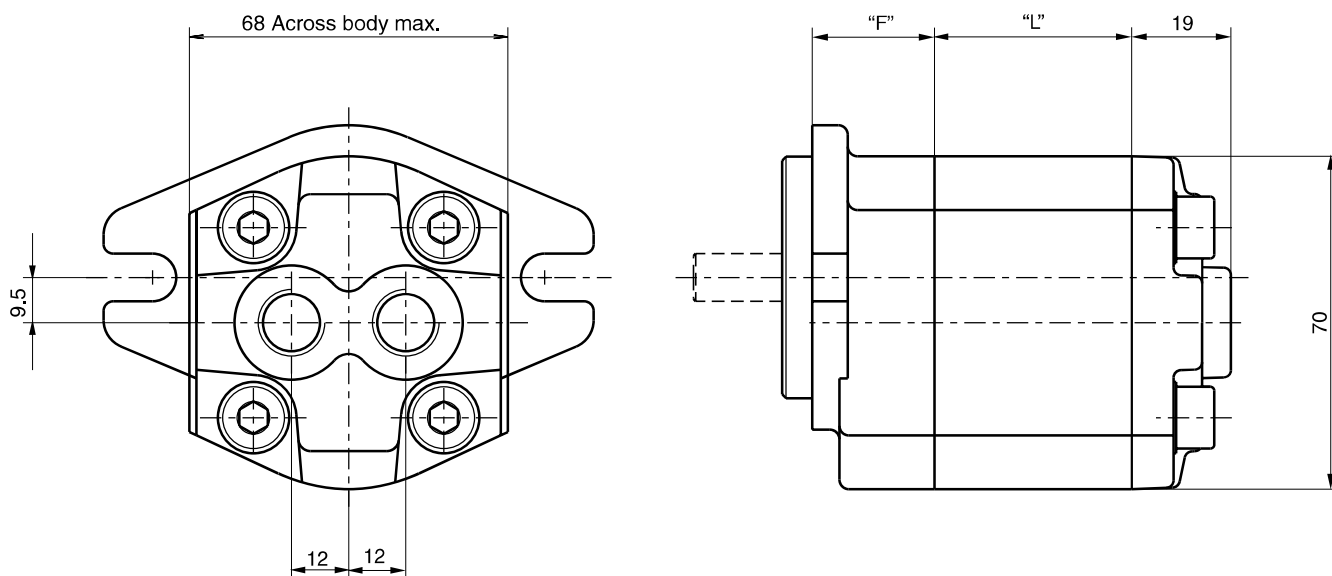


Dimension "L" see table above

Dimension "F" see flanges on page 20

Dimension Shafts see page 22

Single Unit PGP 502 with rear ports

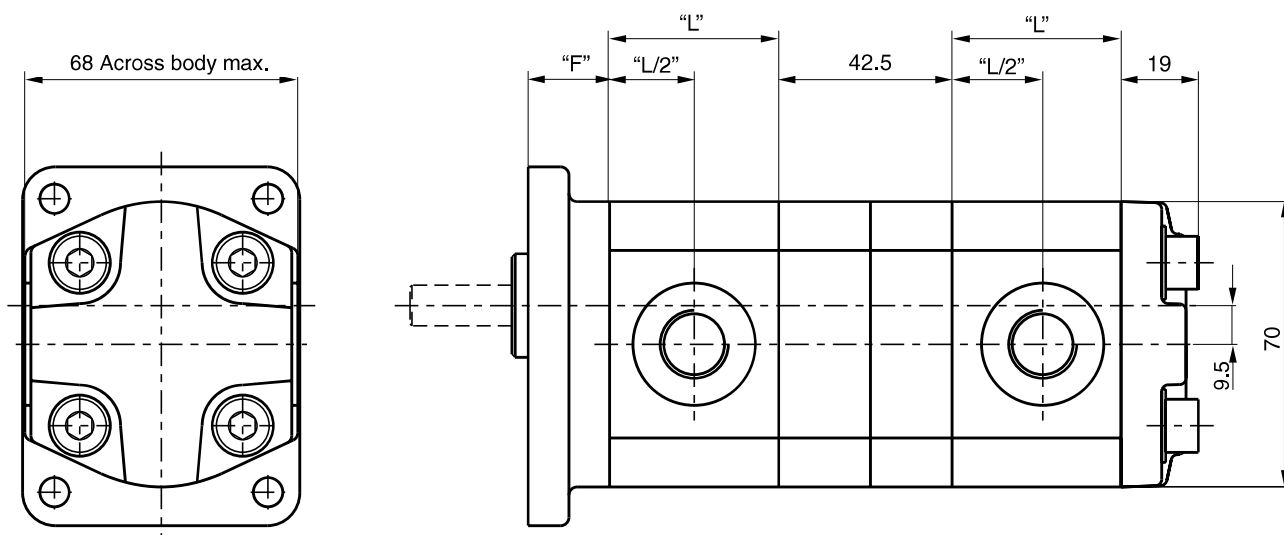


Dimension "L" see table on page 18

Dimension "F" see flanges on page 20

Dimension Shafts see page 22

Tandem Unit PGP 502

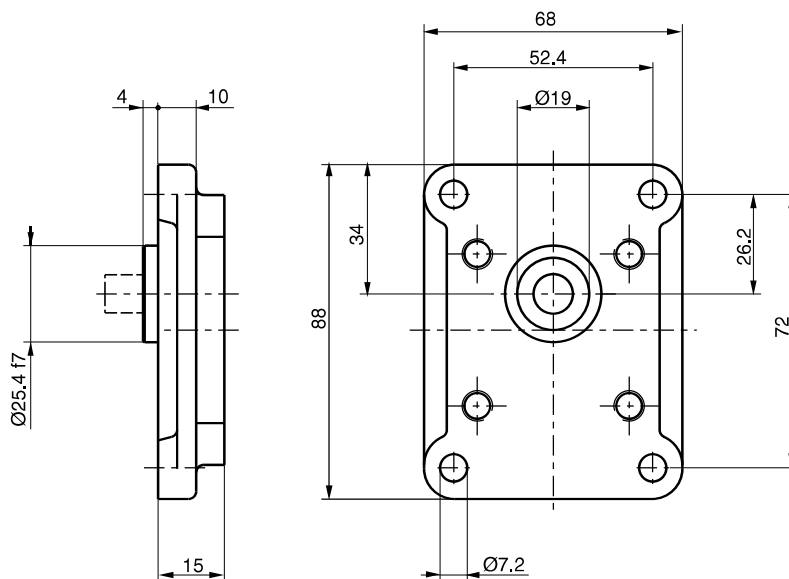
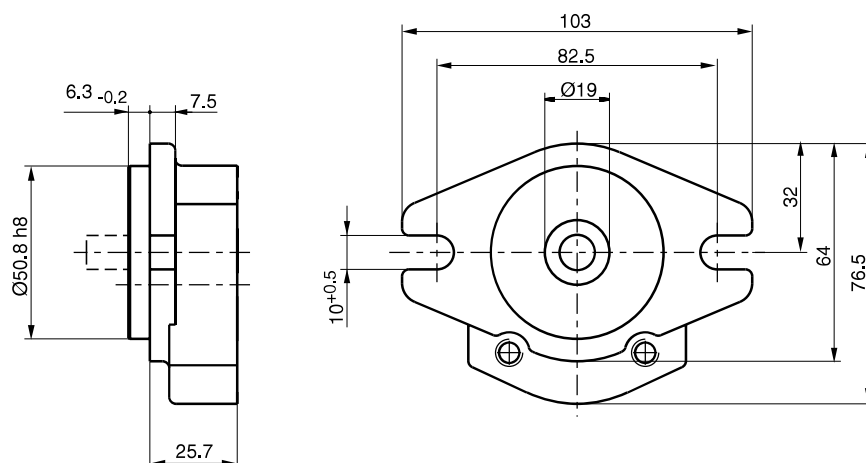
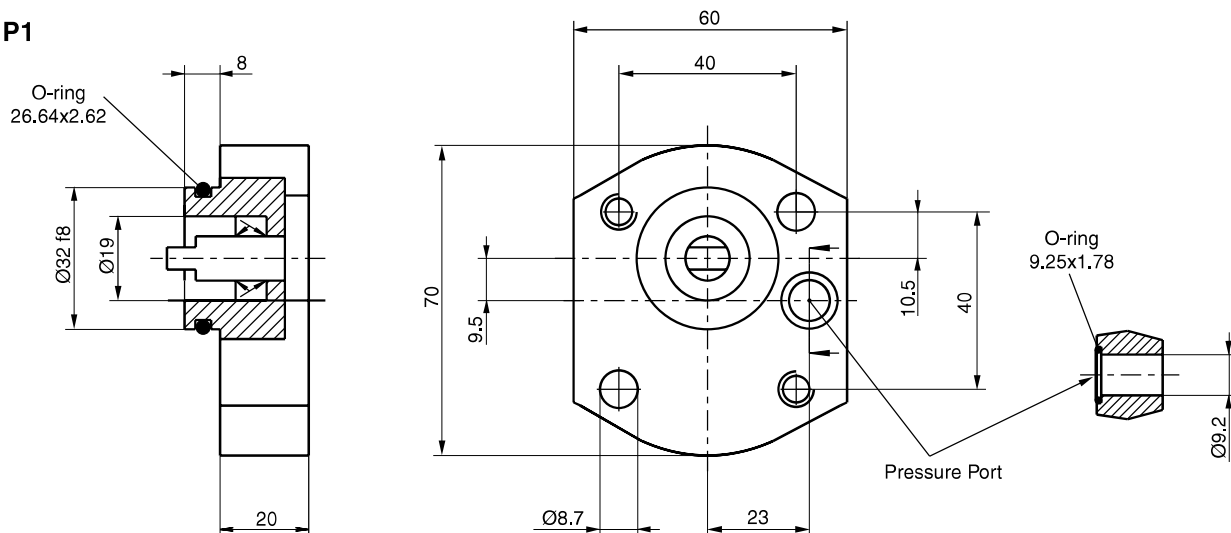


Dimension "L" see table on page 18

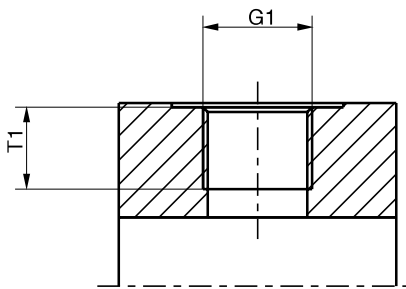
Dimension "F" see flanges on page 20

Dimension Shafts see page 22

PGP 502 Mounting Flange

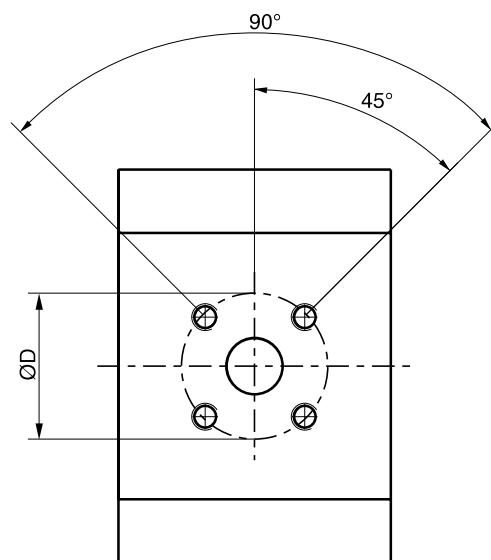
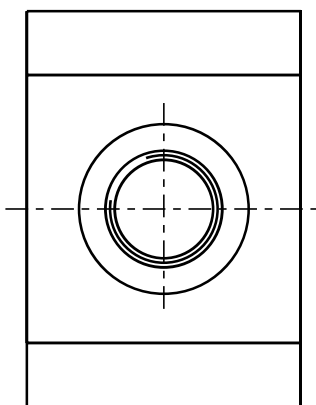
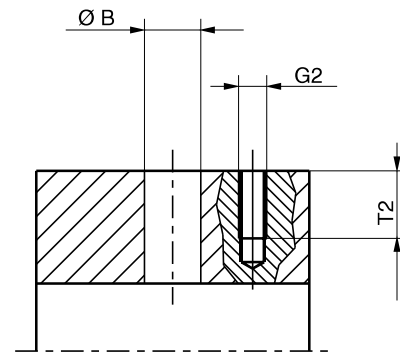
Code D1**Code H1****Code P1**

PGP 502 Porting

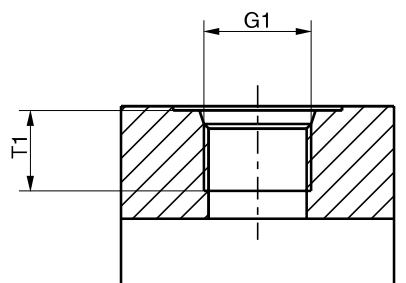


Code E British Standard Pipe Parallel (BSPP)

Code G Metric straight thread



Code J European flange



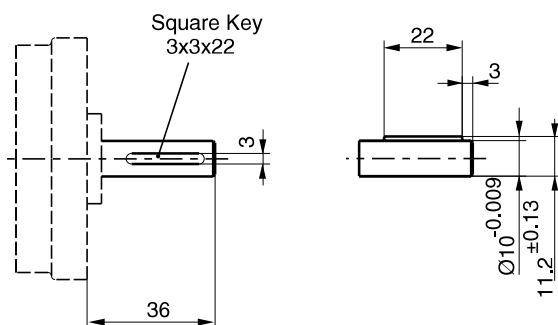
Code D SAE straight thread

PGP 502

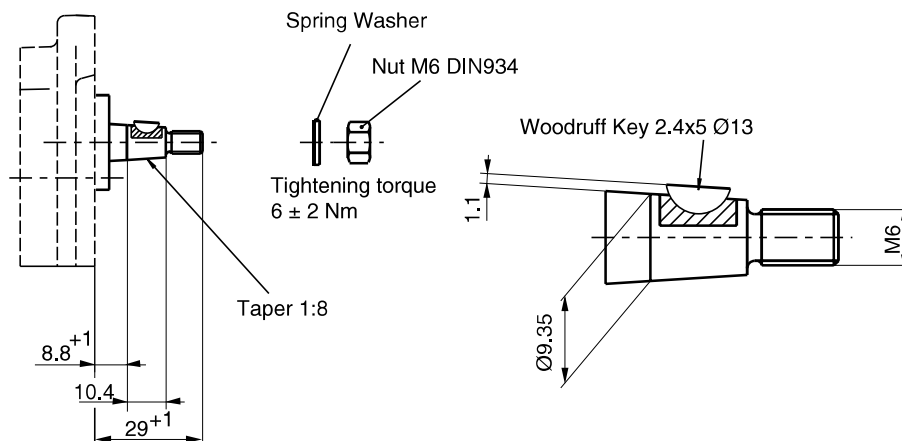
Code	G1	G2	T1	Ø B	Ø D	T2
D2	9/16-18 UNF		12.7			
D3	3/4-16 UNF		14.3			
E1	1/4-19 BSP		12.0			
E2	3/8-19 BSP		12.0			
E3	1/2-14 BSP		14.0			
G1	M14x1.5		12.0			
G3	M18x1.5		12.0			
J1		M5		8.0	26.0	12.0
J2		M5		10.0	26.0	12.0
J3		M6		8.0	30.0	12.0
J4		M6		12.0	30.0	12.0

PGP 502 Drive Shaft

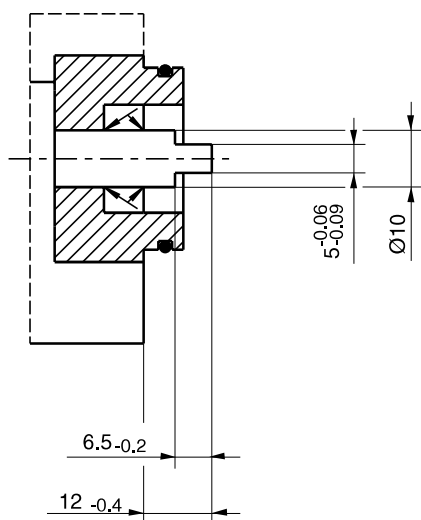
Code H1



Code P2



Code V1



PGP/PGM 502 - Shaft Load Capacity

Code	Description	Torque Rating [Nm]
H1	Ø10, 3.0 KEY, no thread, 36L parallel	30
P2	Ø9.95, 8.8L, 2.4 KEY, M6 taper 1:8	30
V1	5x6.5 long shaft w/o coupling tang drive	20

$$\text{Torque [Nm]} = \frac{\text{Displacement [cm}^3\text{/rev]} \times \text{Pressure [bar]}}{57.2}$$