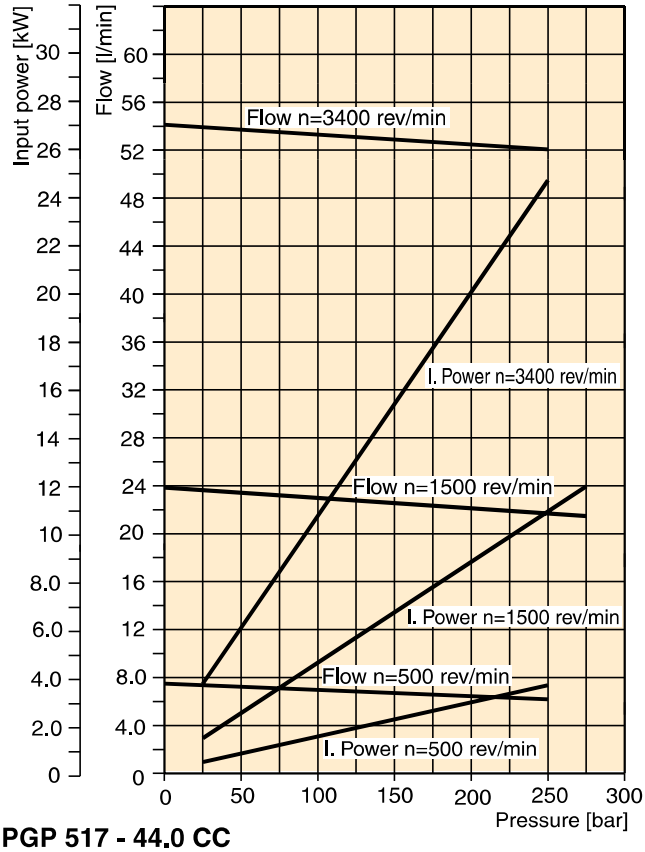
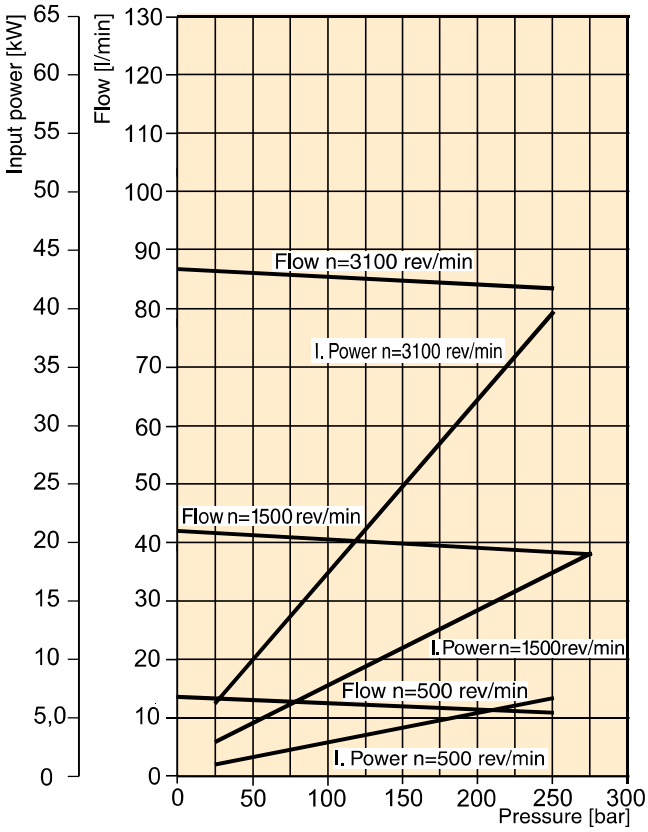
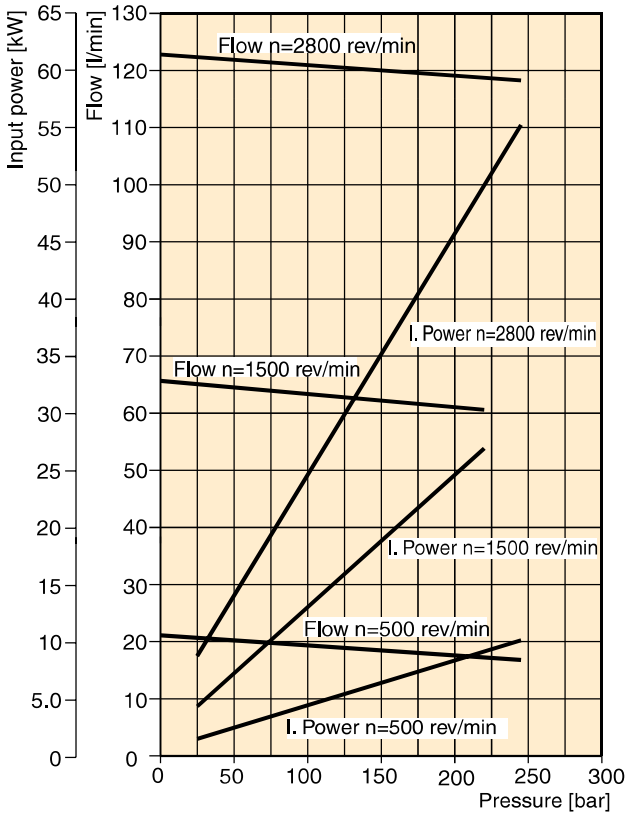
### PGP 517- 16.0 CC



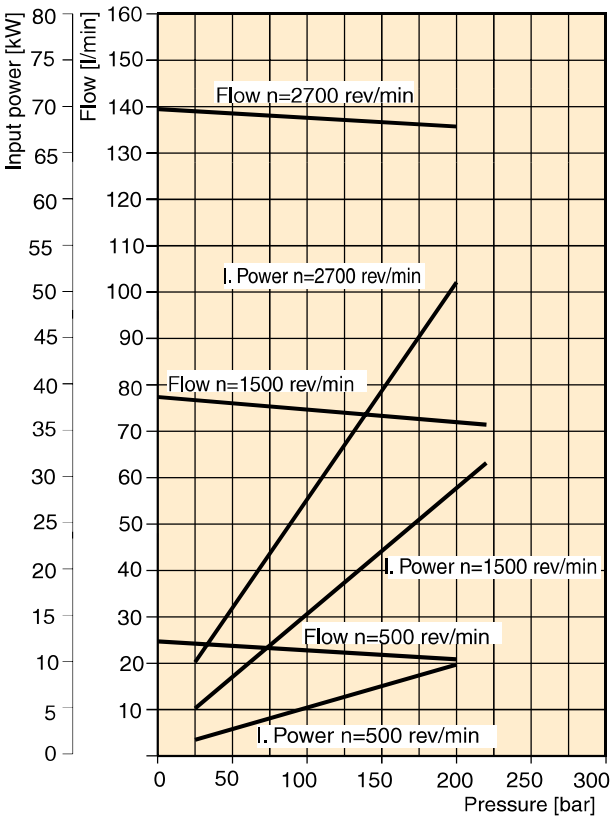

### PGP 517 -28.0 CC




### PGP 517 - 44.0 CC




### PGP 517- 52.0 CC



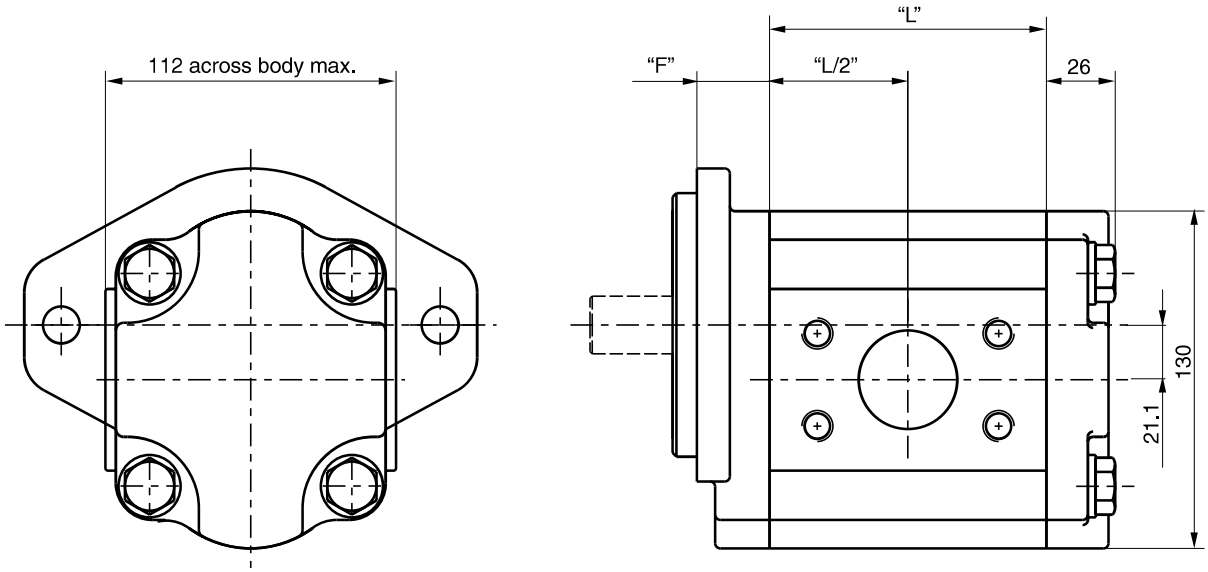

Fluid Temperature = 45± 2°C
Viscosity = 36 $mm^2/s$
Inlet Pressure = 0.9 + 0.1 bar absolute

## PGP 517 Specification - Standard Displacements

| Pump Displacement | Code | 0160 | 0190 | 0230 | 0280 | 0330 | 0380 | 0440 | 0520 | 0700 |
|---|---|---|---|---|---|---|---|---|---|---|
| | cm³/rev | 16.0 | 19.0 | 23.0 | 28.0 | 33.0 | 38.0 | 44.0 | 52.0 | 70.0 |
| **Max. Continuous Pressure** | bar | 250 | 250 | 250 | 250 | 250 | 250 | 220 | 200 | 160 |
| **Minimum Speed** @ Max. outlet pressure | rpm | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| **Maximum Speed** @ 0 Inlet & Max. outlet pressure | rpm | 3400 | 3300 | 3300 | 3100 | 3000 | 3000 | 2800 | 2700 | 2400 |
| **Pump Input Power** @ Max. Pressure and 1500 rpm | kW | 11 | 13.1 | 15.8 | 19.3 | 22.7 | 26.1 | 27 | 28.6 | 31.2 |
| **Dimension "L"** | mm | 70.3 | 73.3 | 77.4 | 82.4 | 87.5 | 92.5 | 98.6 | 106.7 | 124.9 |
| **Approximate Weight** [1] | kg | 8.00 | 8.12 | 8.29 | 8.50 | 8.70 | 8.91 | 9.16 | 9.49 | 10.24 |

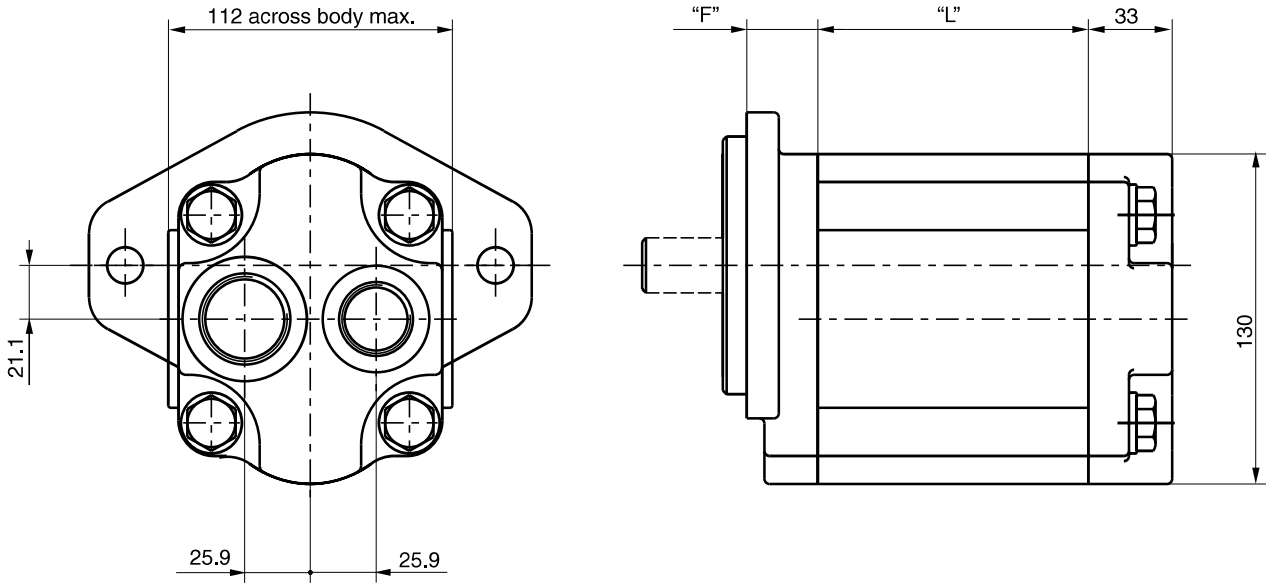
[1] Single pump with Flange H3 and Port end cover B1

## Single Unit PGP 517



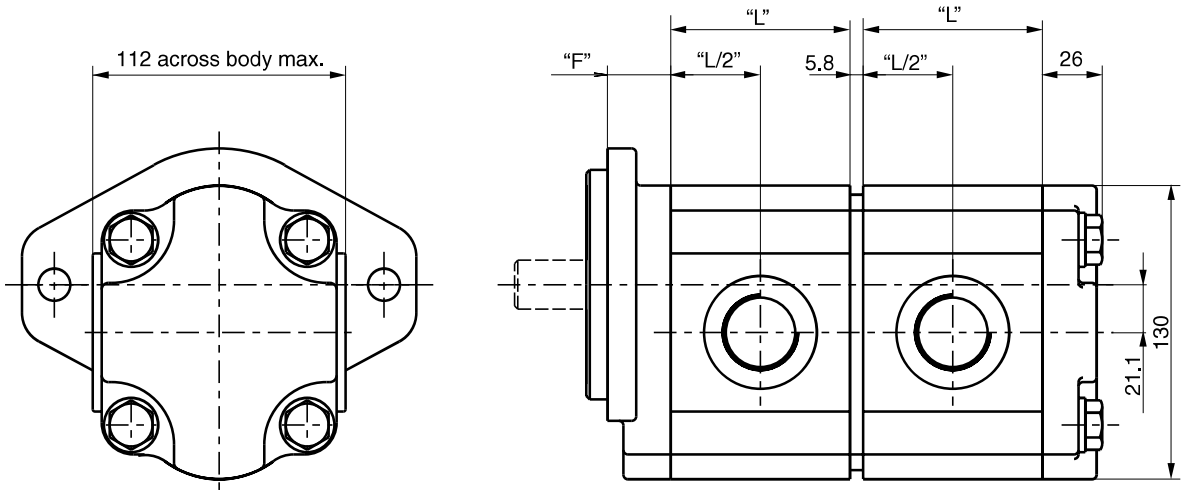

**Dimension "L"** see table above
**Dimension "F"** see flanges on page 43
**Dimension Shafts** see pages 46 to 48

### Single Unit PGP 517 with rear ports




**Dimension "L"** see table on page 41
**Dimension "F"** see flanges on page 43
**Dimension Shafts** see pages 46 to 48

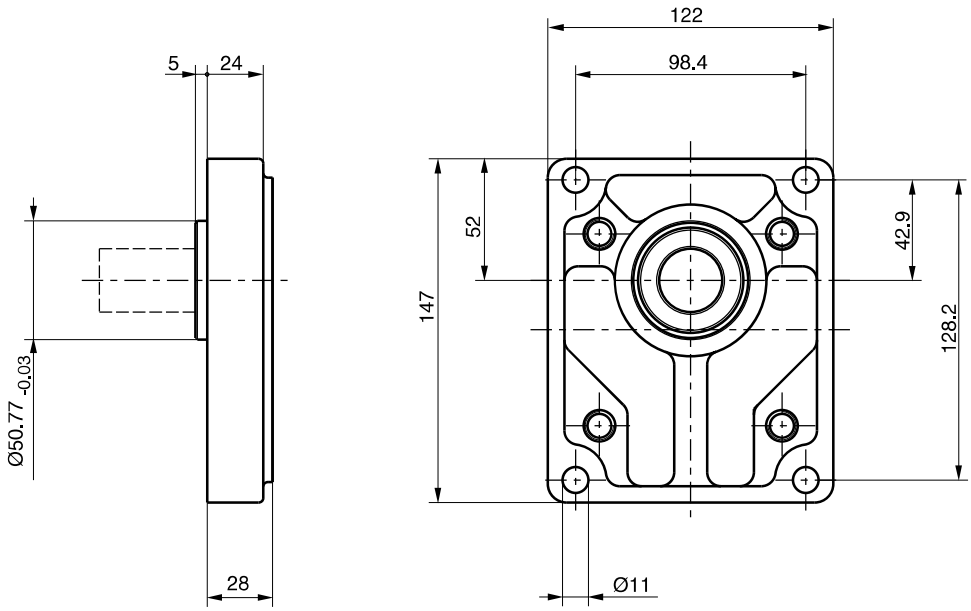
### Tandem Unit PGP 517



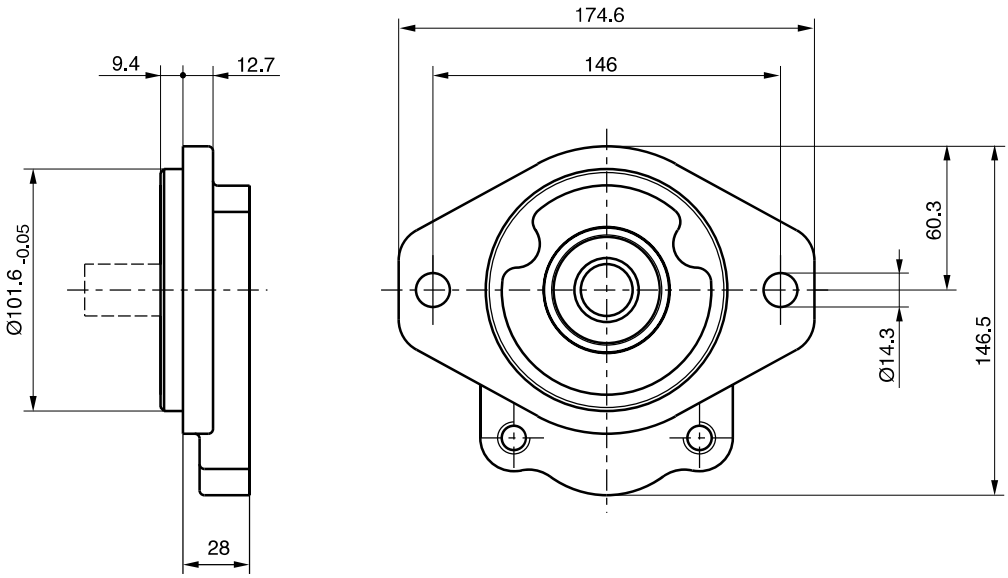

**Dimension "L"** see table on page 41
**Dimension "F"** see flanges on page 43
**Dimension Shafts** see pages 46 to 48

## PGP 517 Mounting Flange

### Code D7



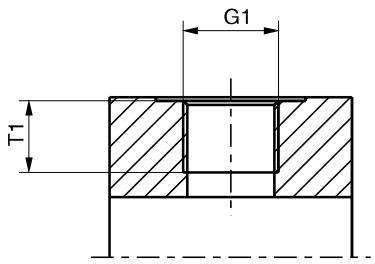

### Code H3/K6



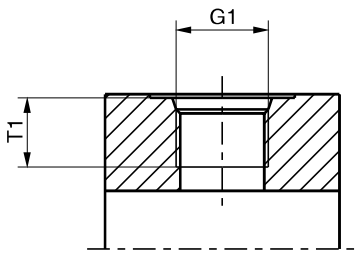
## PGP 517 Porting

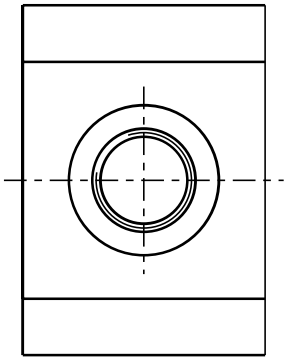
**Code E**
British Standard Pipe

**Code G**
Metric straight thread




**Code D**
SAE straight thread



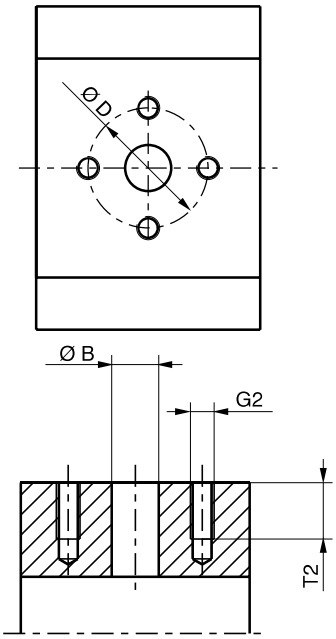



## PGP 517

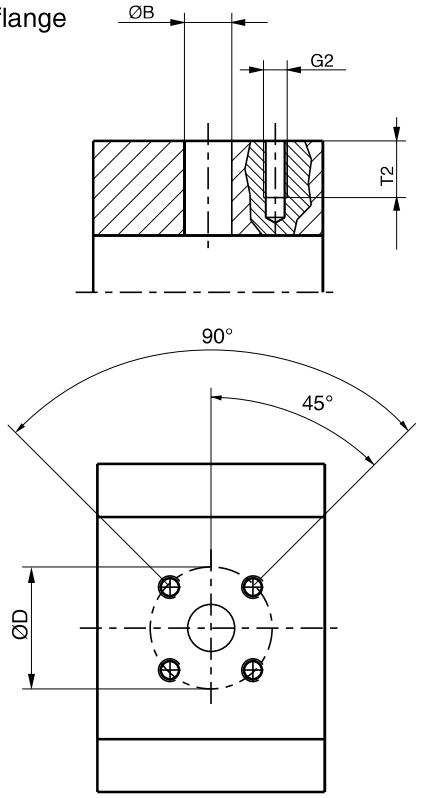
| Code | G1 | T1 |
|---|---|---|
| | Thread | Dimensions |
| D2 | 9/16-18 UNF | 12.7 |
| D3 | 3/4-16 UNF | 14.3 |
| D4 | 7/8-14 UNF | 16.7 |
| D5 | 1 1/16-12 UN | 19.0 |
| D6 | 1 5/16-12 UN | 19.0 |
| D7 | 1 5/8-12 UN | 19.0 |
| D8 | 1 7/8-12 UN | 19.0 |
| E2 | 3/8-19 BSP | 12.0 |
| E3 | 1/2-14 BSP | 14.0 |
| E4 | 5/8-14 BSP | 16.3 |
| E5 | 3/4-16 BSP | 16.0 |
| E6 | 1-11 BSP | 18.0 |
| E7 | 1 1/4-11 BSP | 20.0 |
| E8 | 1 1/2-11 BSP | 22.0 |
| G4 | M 22x1.5 | 14.0 |
| G5 | M 26x1.5 | 16.0 |
| G7 | M 30x1.5 | 12.0 |
| G8 | M 33x2 | 18.0 |
| G9 | M 42x2 | 20.0 |

## PGP 517 Porting

**Code L**
4-Bolt flange

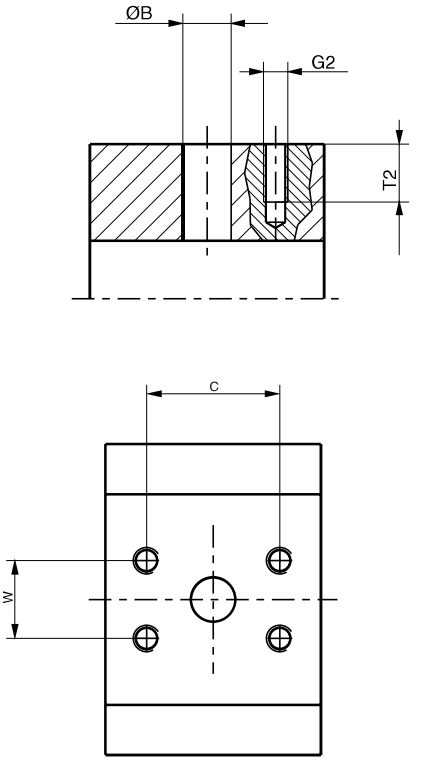



**Code J**
European flange




**Code N**
SAE split flange

**Code P**
SAE split flange metric thread

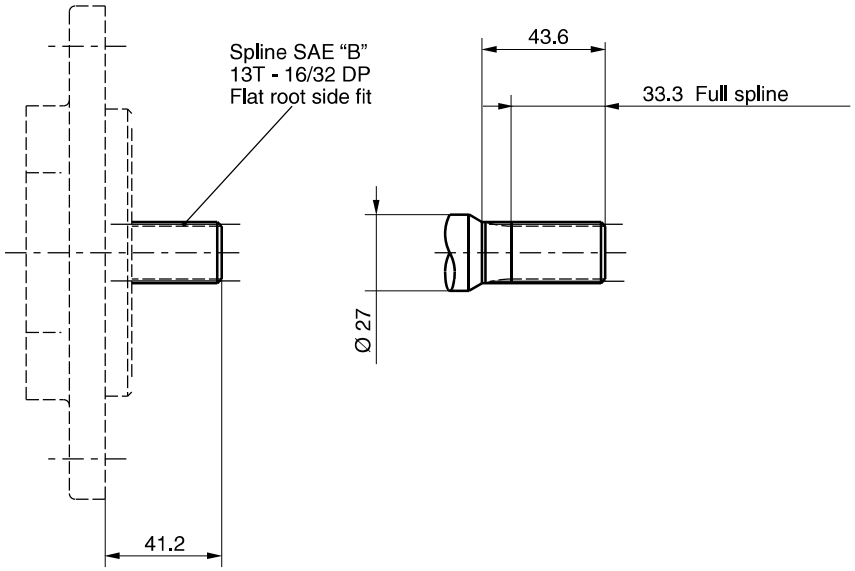



## PGP 517

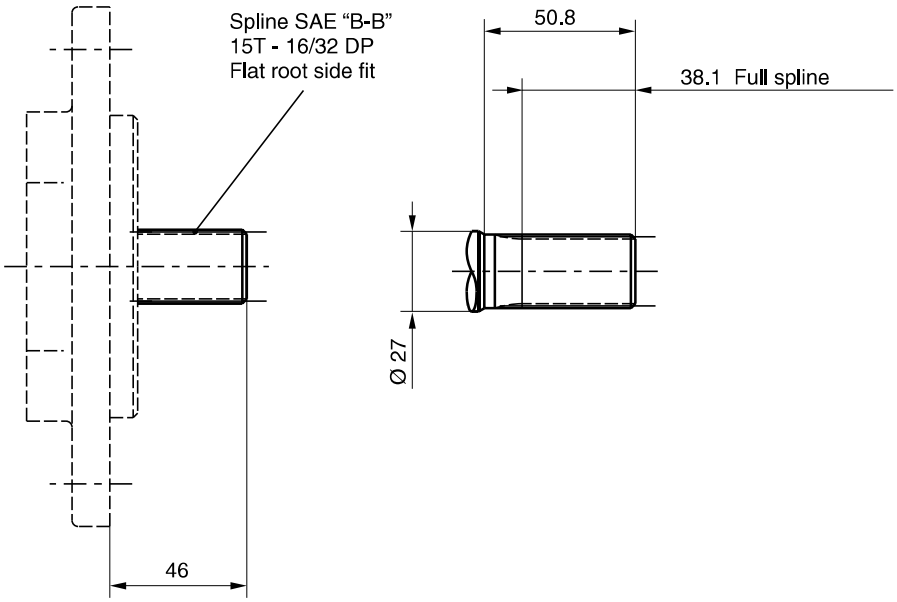
| Code | G2 | ∅ B | ∅ D | S | C | W | T2 |
|---|---|---|---|---|---|---|---|
| | Thread | Dimensions | | | | | |
| J5 | M6 | 15.0 | 35.0 | | | | 12.5 |
| J7 | M6 | 20.0 | 40.0 | | | | 13.0 |
| J8 | M8 | 18.0 | 55.0 | | | | 15.0 |
| J9 | M8 | 26.0 | 55.0 | | | | 15.0 |
| L1 | M6 | 13.0 | 30.0 | | | | 13.0 |
| L2 | M8 | 19.0 | 40.0 | | | | 15.0 |
| L3 | M10 | 27.0 | 51.0 | | | | 18.0 |
| L4 | 1/4-20 UNF | 13.0 | 30.0 | | | | 13.0 |
| N1 | 5/16-18 UNC | 12.7 | | | 38.10 | 17.48 | 15.0 |
| N2 | 3/8-16 UNC | 19.0 | | | 47.63 | 22.23 | 14.0 |
| N3 | 3/8-16 UNC | 25.4 | | | 52.37 | 26.19 | 20.6 |
| N4 | 7/16-14 UNC | 31.8 | | | 58.72 | 30.17 | 20.6 |
| N5 | 1/2-13 UNC | 38.1 | | | 69.82 | 35.71 | 20.6 |
| P1 | M8 | 12.7 | | | 38.10 | 17.48 | 15.0 |
| P2 | M10 | 19.0 | | | 47.63 | 22.23 | 20.6 |
| P3 | M10 | 25.4 | | | 52.37 | 26.19 | 21.4 |
| P4 | M10 | 31.8 | | | 58.72 | 30.17 | 20.6 |
| P5 | M12 | 38.1 | | | 69.82 | 35.71 | 20.6 |

## PGP 517 Drive Shaft

### Code D1

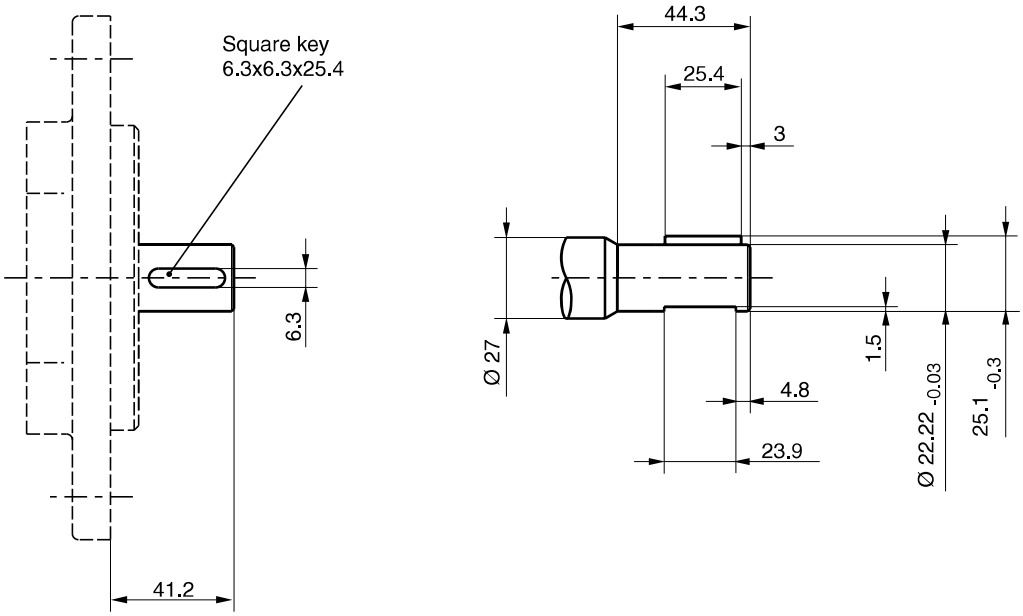



### Code E1

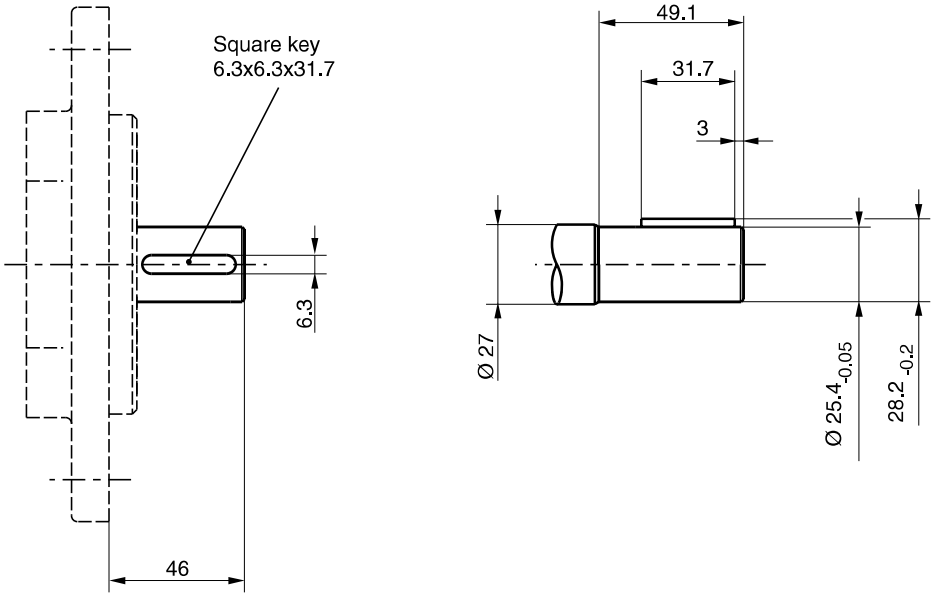


## PGP 517 Drive Shaft

### Code M1

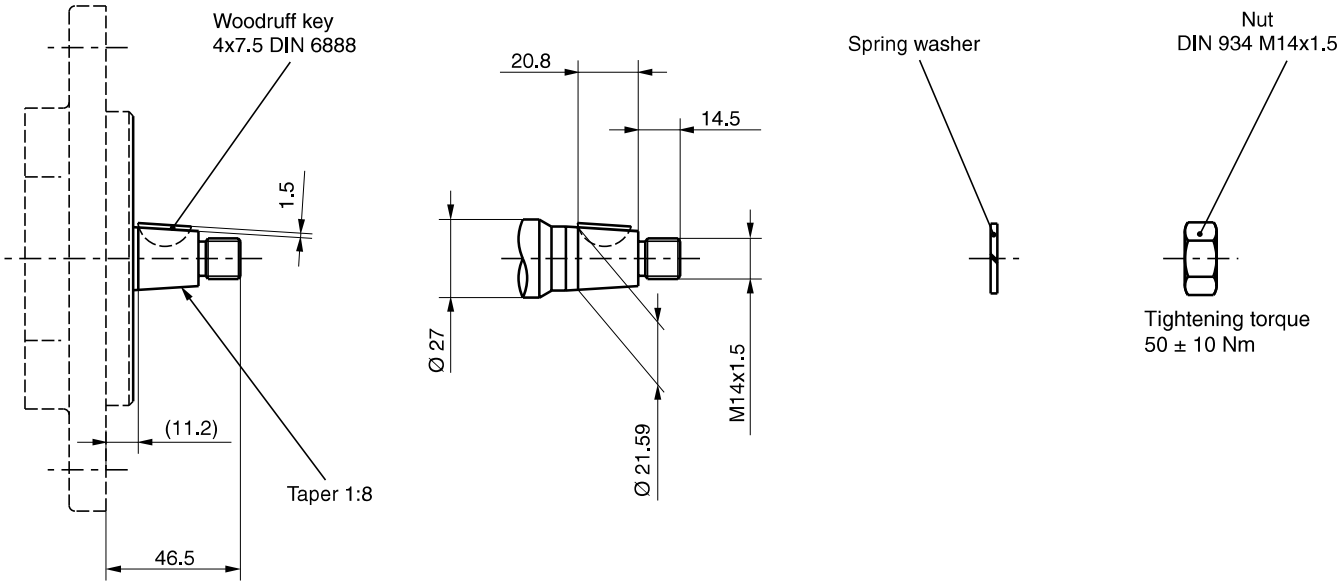



### Code M2



### PGP 517 Drive Shaft

### Code T1




### PGP/PGM 517 - Shaft Load Capacity

| Code | Description | | Torque Rating [Nm] |
|---|---|---|---|
| **D1** | 13T,16/32DP, 41.2L, SAE“B“ | spline | 345 |
| **E1** | 15T, 16/32DP, 46L, SAE“B-B“ | spline | 530 |
| **M1** | Ø22.2, 6.3 KEY, no thd, 41.2L, SAE“B“ | parallel | 251 |
| **M2** | Ø25.4, 6.3 KEY, no thd, 46L, SAE“B-B“ | parallel | 395 |
| **T1** | Ø21.59,11.2 L,4.0 KEY, M14x1.5 | taper 1:8 | 250 |
| | Multiple pump connection shaft | | 228 |

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