



Performance Data

- Pressures quoted are relief valve maximum by-pass
- Performance with SAE 20W oil at 50°C

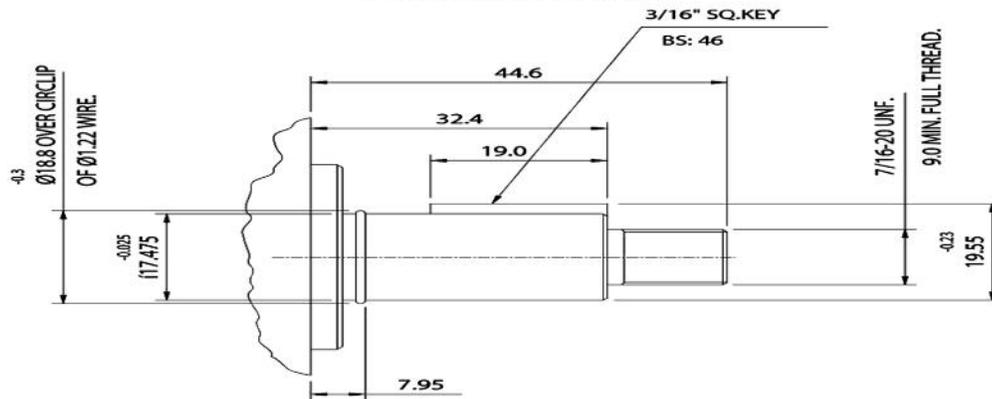
Pump Type	Nominal Displacement (cc/rev)	Nominal Delivery @ 1500 rpm & Pressure P (lpm)	Maximum Continuous Pressure P		Speed at Maximum Continuous Pressure P	
			psi	bar	Max.	Min.
3017	5.13	7.70	3000	207	3500	500
3020	6.07	9.10	3000	207	3500	500
3028	8.47	12.70	3000	207	3500	500
3036	10.93	16.40	3000	207	3500	600
3044	13.33	20.00	3000	207	3500	500
3052	15.73	23.60	3000	207	3500	600
3060	18.20	27.30	3000	207	3500	650
3072	21.80	32.70	2525	174	3000	
3090	27.27	40.90	2000	138	2400	

Installation Dimensions

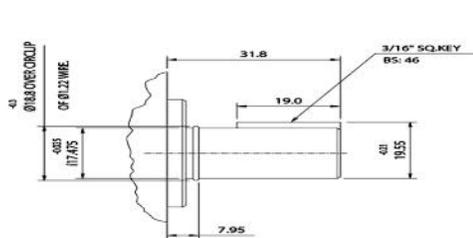
1P Series Gear Pumps: Installation Dimensions

Drive Shaft

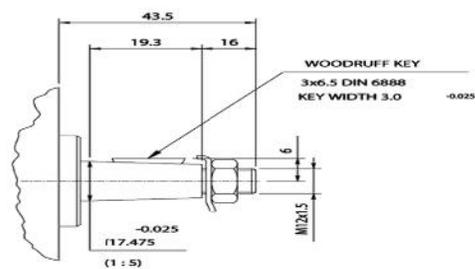
1P Series Drive Shaft: Code-U



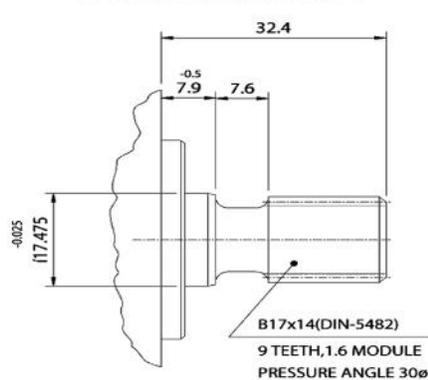
1P Series Drive Shaft: Code-P



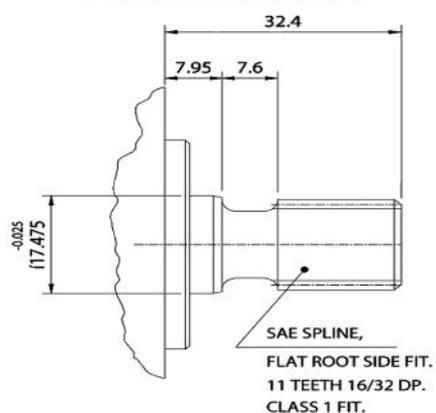
1P Series Drive Shaft: Code - K



1P Series Drive Shaft: Code-D



1P Series Drive Shaft: Code-G



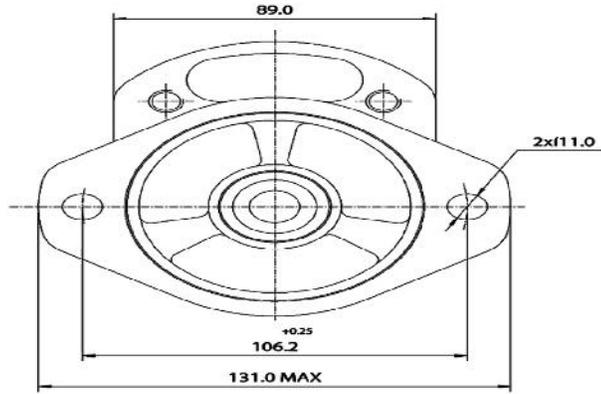
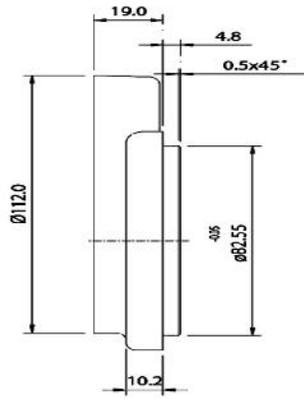
1P Series Drive Shaft: Code-T
1P Series Gear Pumps Drive Shaft: Code-T

1P Series Drive Shaft: Code - S
1P Series Gear Pumps Drive Shaft: Code-S

Mounting Flange

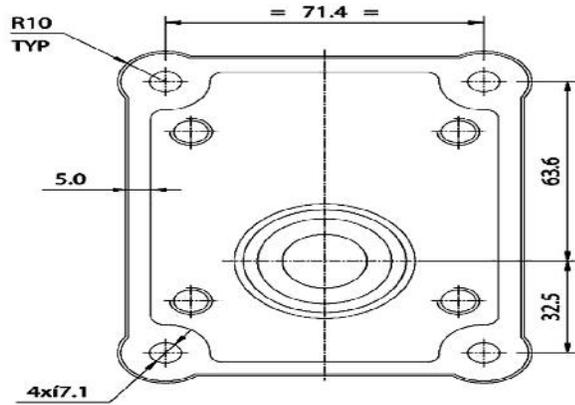
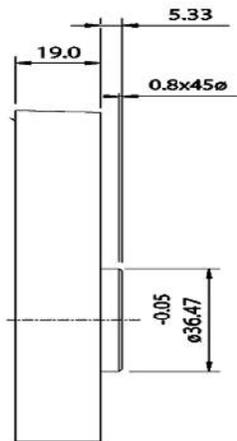
2-Bolt SAE Code-S

Available with shaft code P, T, K, G and S

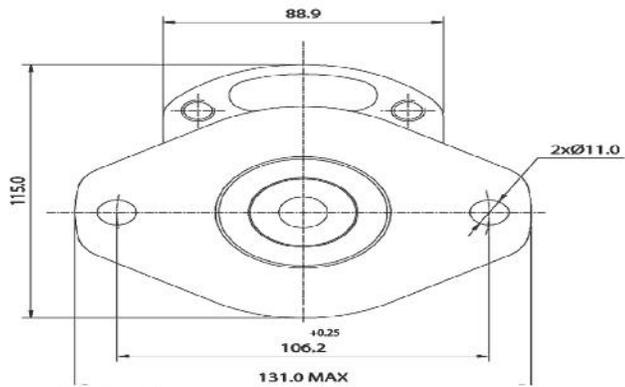
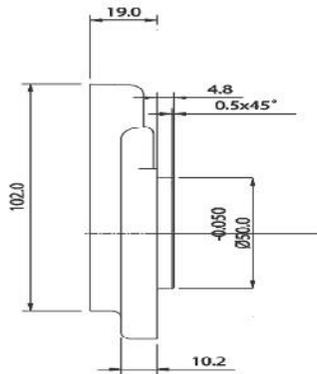


4-Bolt Code-D

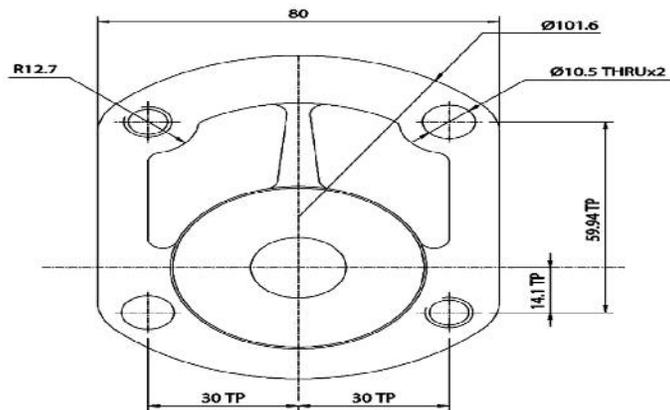
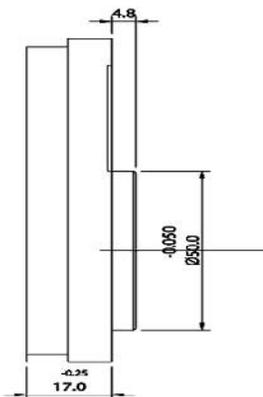
Available with shaft code P, T, K, G and S



2 Bolt SAE-AA Code-A

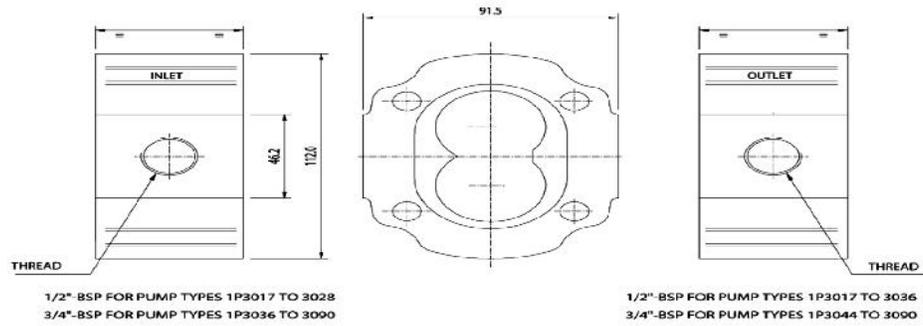


Code - K

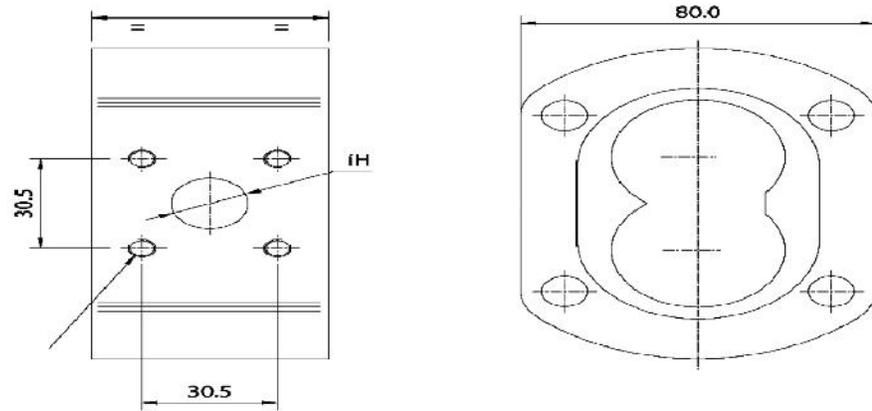


Body

Body Port Code – T



Body Port: Code – F

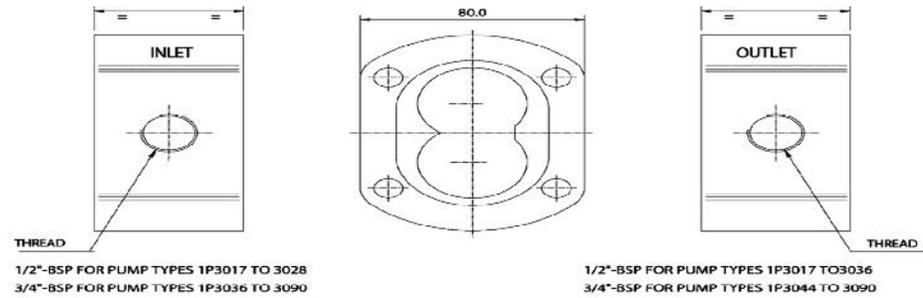


INLET & OUTLET PORTS ARE IDENTICAL.

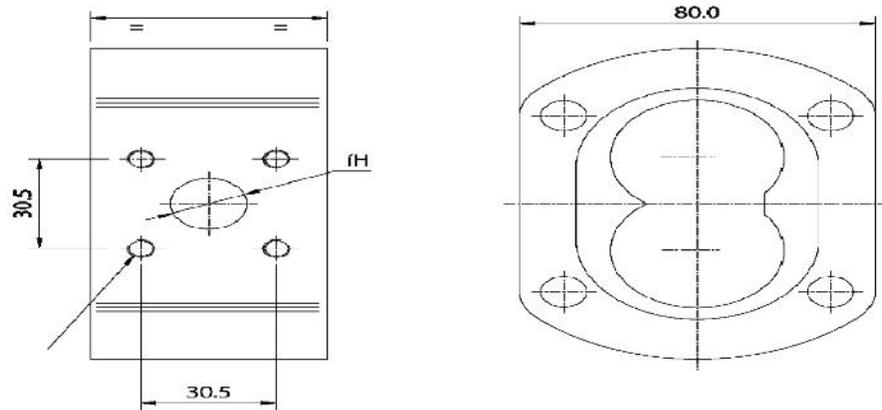
Ø H=17.3 PUMP TYPES 1P3017 TO 3036

Ø H=20.3 PUMP TYPES 1P3044 TO 3090

Body Port: Code – A



Body Port: Code – B

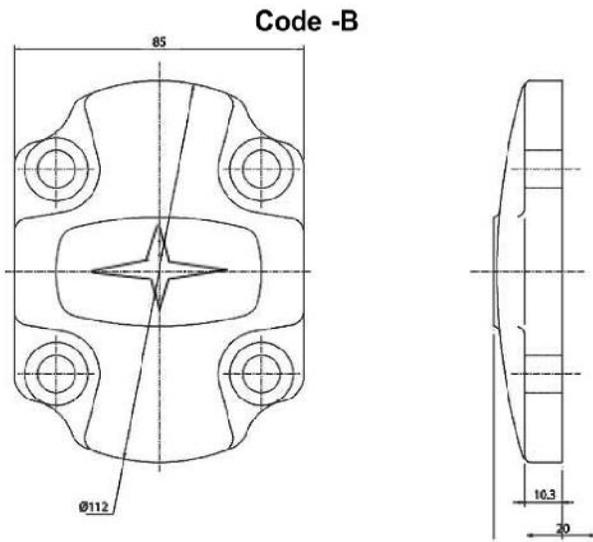


INLET & OUTLET PORTS ARE IDENTICAL.

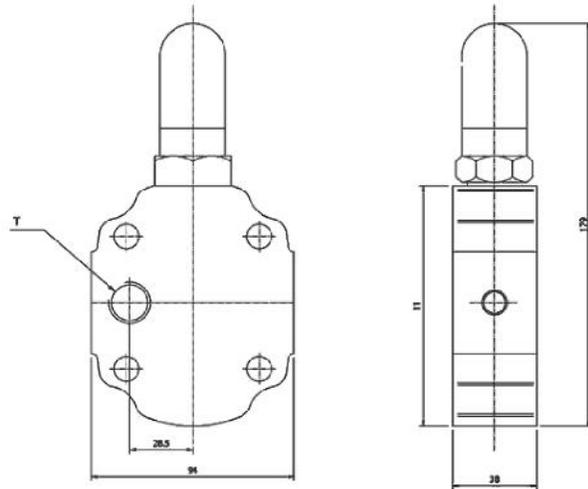
Ø H=17.3 PUMP TYPES 1P3017 TO 3036

Ø H=20.3 PUMP TYPES 1P3044 TO 3090

End Cover



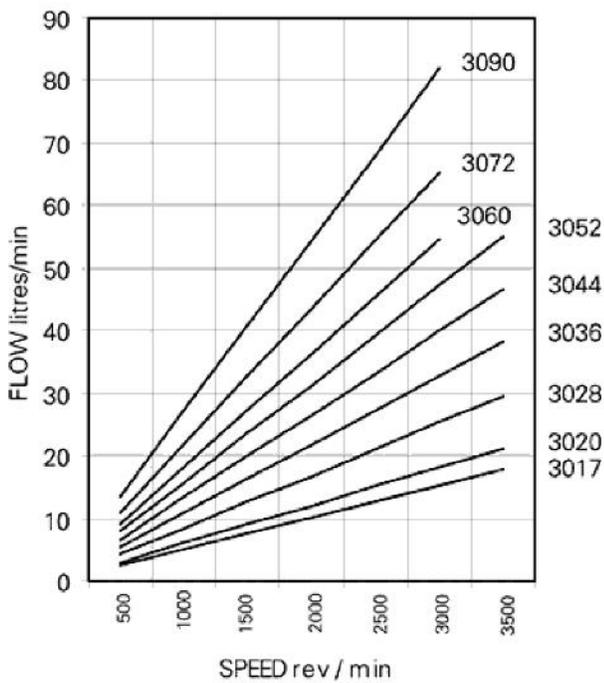
Relief Valve: Code - R Mounted in place of end cover



Typical Performance

TYPICAL PUMP DELIVERY

Flow at Max. Pressure.



TYPICAL INPUT HORSEPOWER

Fluid SAE 20W

Fluid Temperature 50° C

