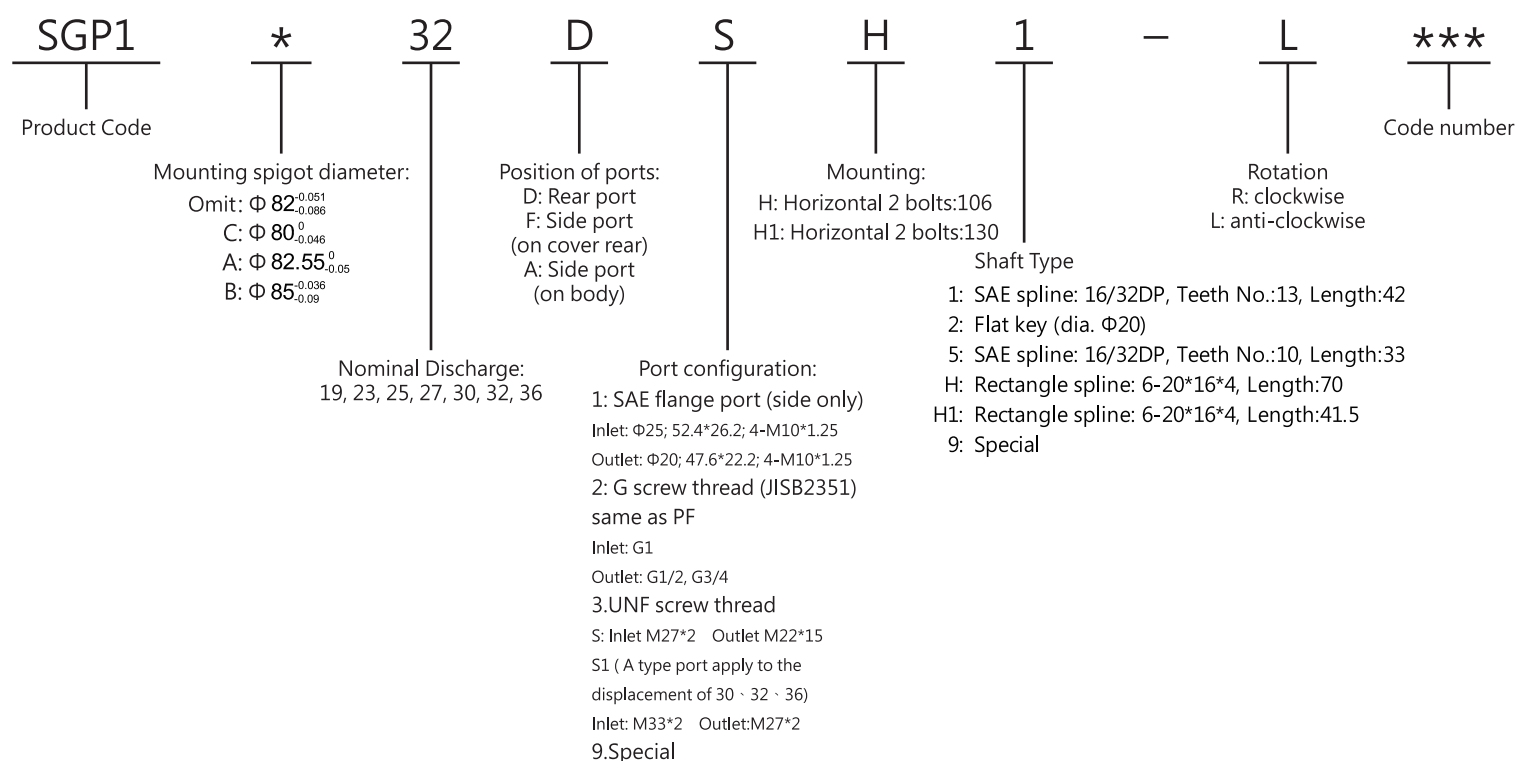


SGP-1A SERIES GEAR PUMP

SGP1 series gear pumps are environmental friendly products with the features of low noise, smart structure and easy installation. The pumps are widely applied in the industries of hoisting and conveying machinery, road machinery, environmental protection machinery, light industry machinery, etc.

The pump has been the first option accessory parts for variety of environmental friendly main equipment.

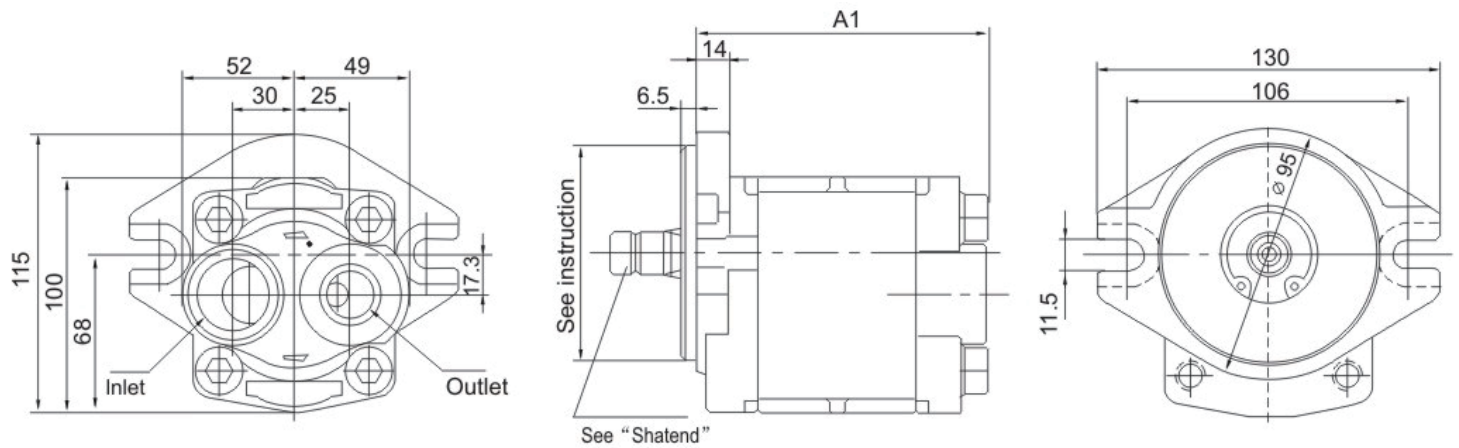


SPECIFICATION

Model	Displacement (cc/rev)	Pressure (Mpa)		Rotation Speed (r/min)			Volumetric efficiency (>= %)	L(mm)	Weight (kg)
		Rate	Max	Rate	Max	Min			
SGP1-19	19	20	25	2500	3000	600	92	115.5	4.10
SGP1-23	23							118.5	4.30
SGP1-25	25							122.5	4.60
SGP1-27	27							124.5	4.80
SGP1-30	30							126.5	5.00
SGP1-32	32							131.5	5.40
SGP1-36	36							130.5	5.80

SGP1 SERIES GEAR PUMP

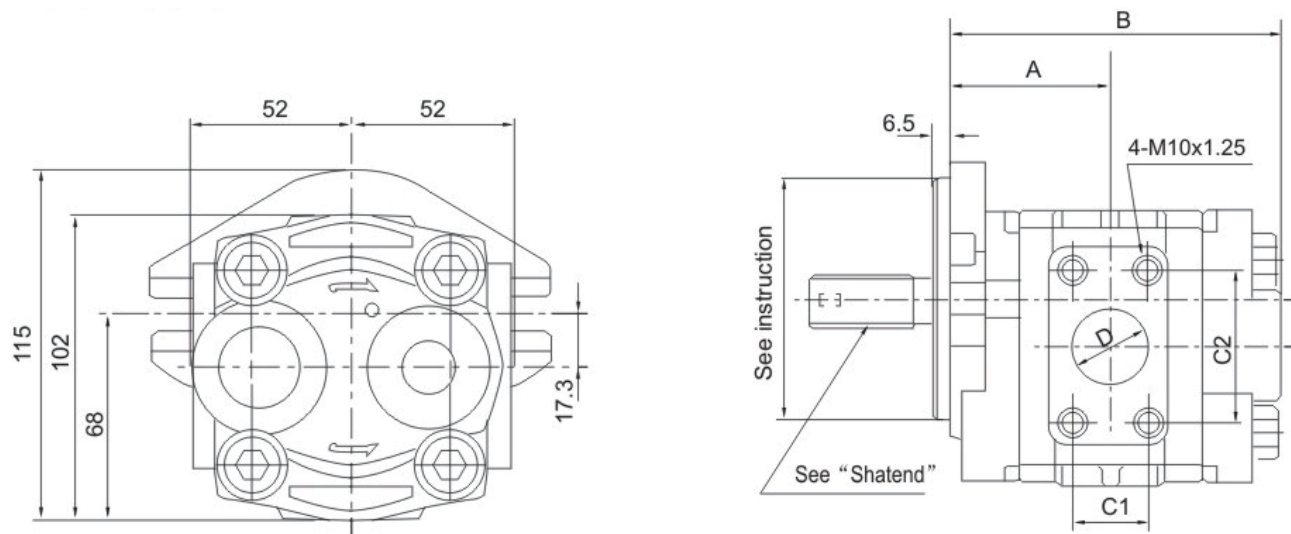
Oil Port in Style D



Displacement (cc/rev)	23	25	27	30	32	36
A1	117	118	122	124	128	132

SGP1 SERIES GEAR PUMP

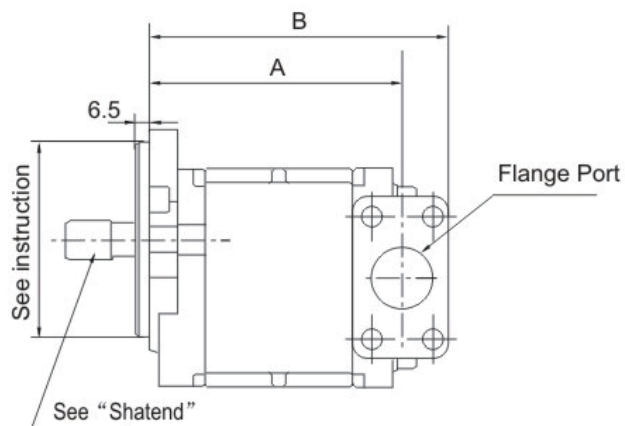
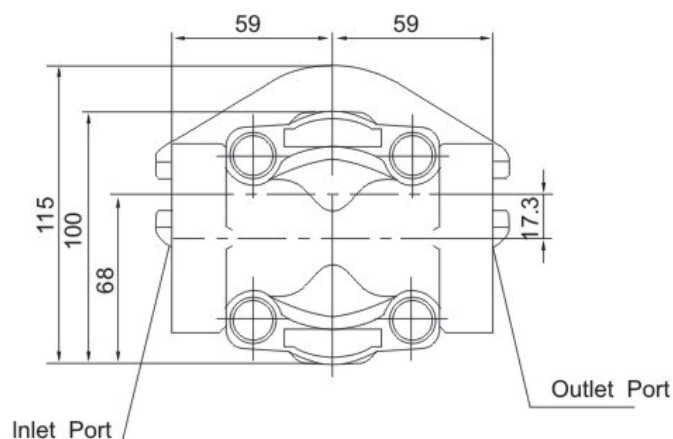
Oil Port in Style A



Displacement (cc/rev)	A	B	Inlet/ Outlet port		
			C1	C2	D
30	64.3	124	26.2/22.2	52.4/47.6	25.0/20.0
32	66.3	128			
36	68.3	132			

SGP1 SERIES GEAR PUMP

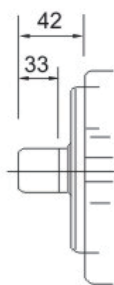
Oil Port in Style F



Displacement (cc/rev)	23	25	27	30	32	36
A	107.0	108.5	112.0	114.5	118.5	122.5
B	130.5	132.0	135.5	138.0	142.0	146.0

1:
SAE

No. of tooth 13
D. P. 16/32
Pressure angle 30°
C. P. O. 1963"
Over pin id
 $\varnothing$ 21.80
 $\varnothing$ 21.68
 Pin dia. 18.63 $\varnothing$

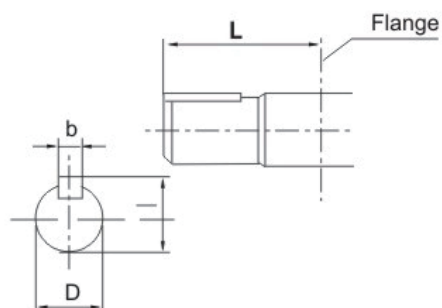


5:
SAE

No. of tooth 10
D. P. 16/32
Pressure angle 30°
C. P. O. 1963"
Over pin id
 $\varnothing$ 17.043
 $\varnothing$ 16.916
 Pin dia. $\varnothing$ 13.86

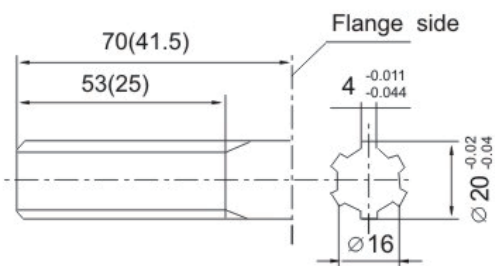


2: Straight Spline



H, H1: Rectangle spline

9: Special ord

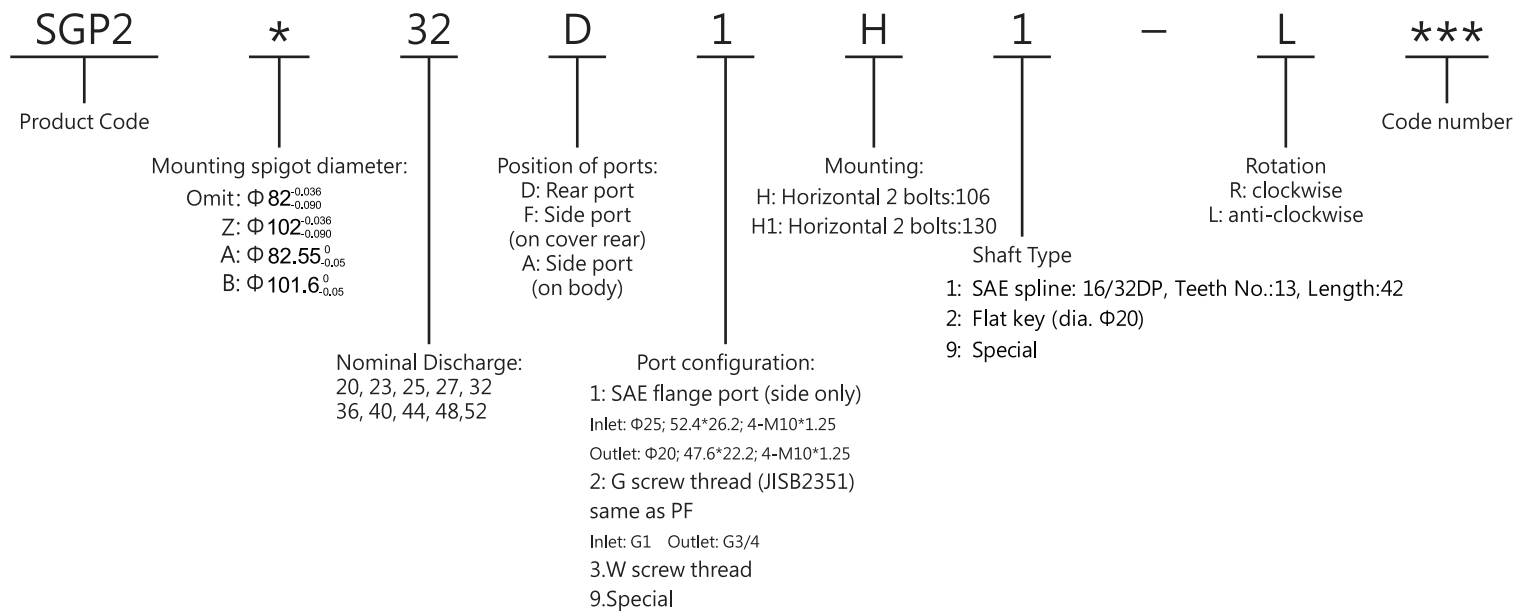


Shaft end	D	b	I	L
Straight spline No.2	20.0	6.0	22.5	42.0

() Dimension of No.H1 Shaft type

SGP2 SERIES GEAR PUMP

SGP2A series gear pump is external gear pump possessing axial clearance automatic compensation and radial hydraulic balance, adopting three opening struture. The bearings are DU bearings and the side plate is bimetallic material. The front and rear covers, are made of aluminum accessory with high strength. The middle part is consist of iron casting and the surface is covered with metal ceramic. All above improve the performance, lifetime and reliability of the pump.

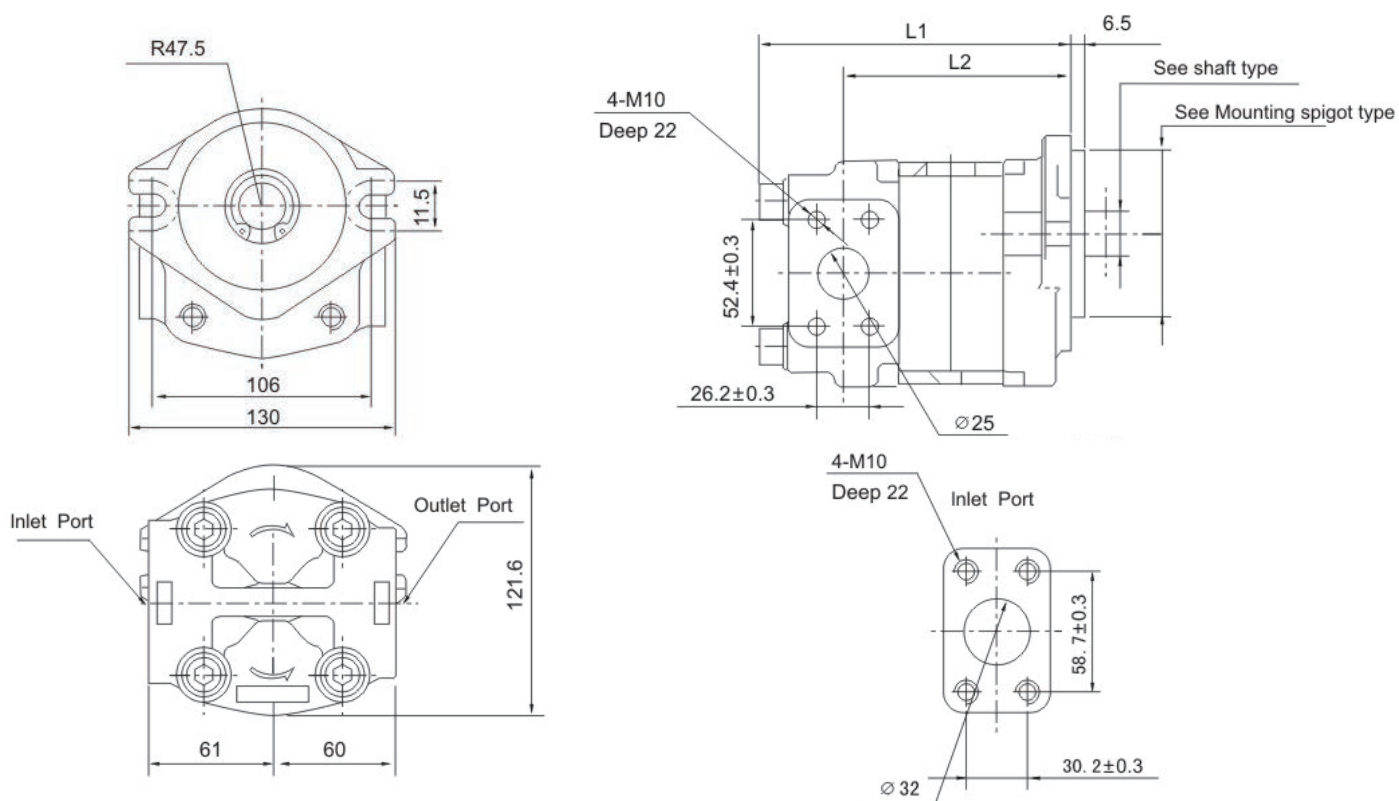


SPECIFICATION

Model	Displacement (cc/rev)	Pressure (Mpa)		Rotation Speed (r/min)		Inlet Pressure (Mpa)	Weight (kg)
		Rate	Max	Max	Min		
SGP2-20	20	24.5	29.4	3000	400	-0.02~0.2	4.9 (4.4)
SGP2-23	23						5.1 (4.6)
SGP2-25	25						5.3 (4.8)
SGP2-27	27			5.4 (4.9)			
SGP2-32	32			5.7 (5.1)			
SGP2-36	36			5.9 (5.3)			
SGP2-40	40	22.6	27.5	3000 (2500)			6.1 (5.4)
SGP2-44	44	20.6	24.5				6.3 (5.6)
SGP2-48	48	18.6	22.6	3000 (2500)			6.6 (5.9)
SGP2-52	50	17.2	20.6				6.8 (6.1)

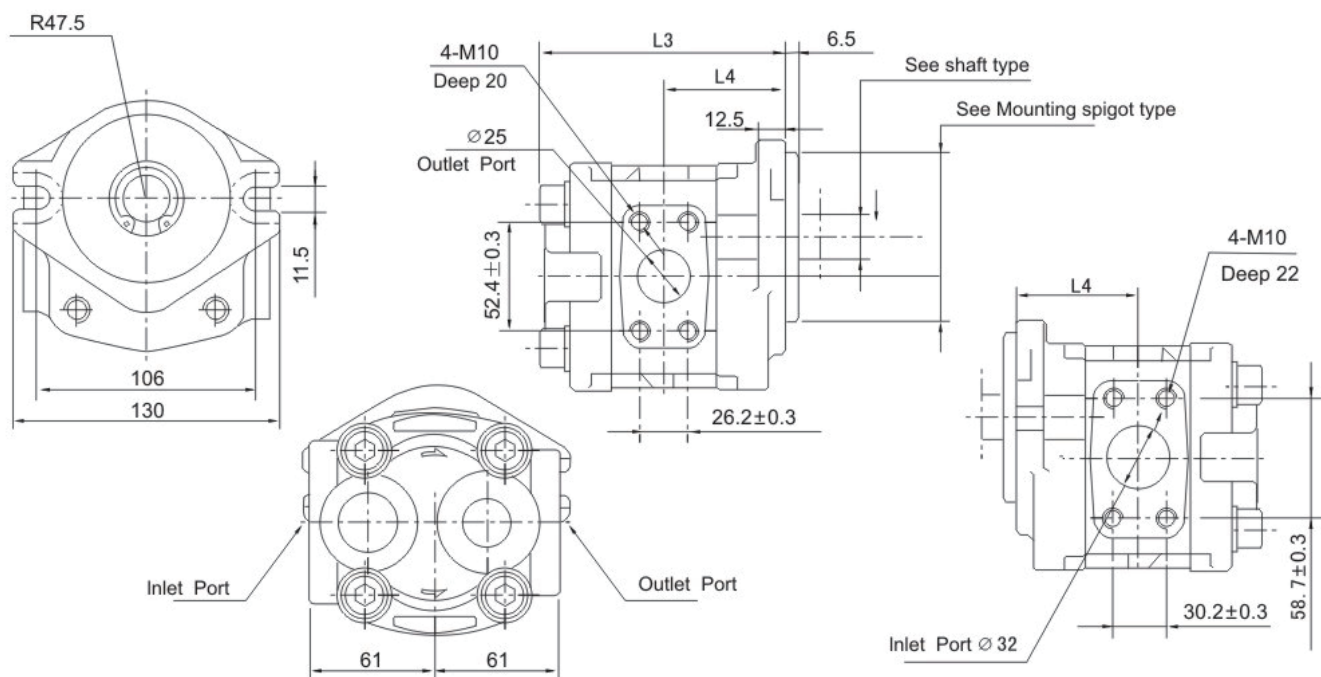
SGP2 SERIES GEAR PUMP

SGP2-XXF1HX_LXXXX



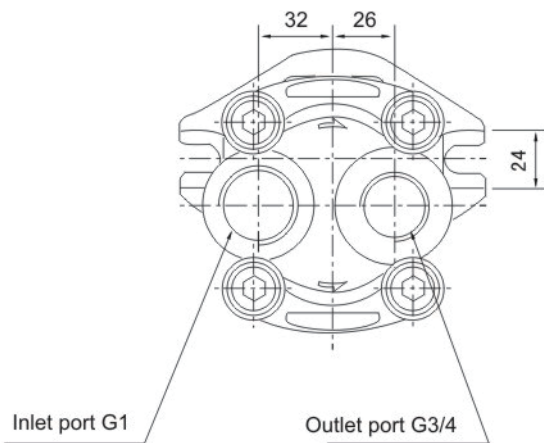
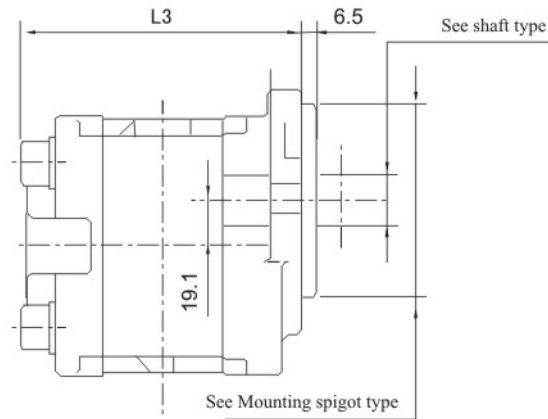
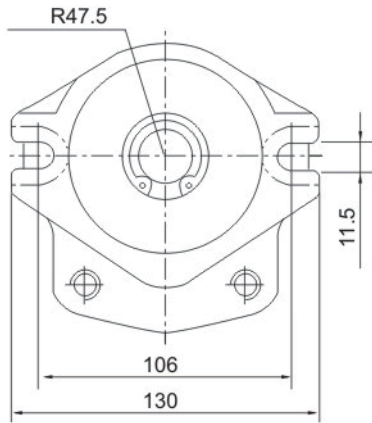
SGP2 SERIES GEAR PUMP

SGP2-XXA1HX-LXXXX



SGP2 SERIES GEAR PUMP

SGP2-XXD2HX-LXXXX

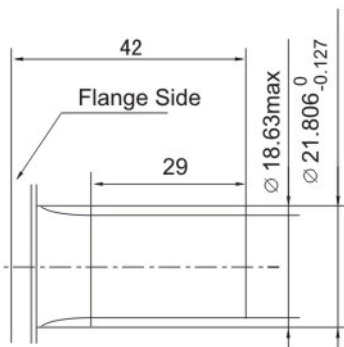


Nominal Displacement	L1	L2	L3	L4
20	140.9	99.6	107.4	52.8
23	143.9	102.6	110.4	54.3
25	145.9	104.6	112.4	55.3
27	147.9	106.6	114.1	56.3
32	152.9	111.6	119.4	58.8
36	156.9	115.6	123.4	60.8
40	160.9	119.6	127.4	62.8
44	164.9	123.6	131.4	64.8
48	168.9	127.6	135.4	66.8
52	172.9	131.6	139.4	68.8

SGP2 SERIES GEAR PUMP

Dimension of shaft end

SAE spline Shaft type



Item	Value
Teeth No.	13
D.P.	16/32
Pressure angle	30°
Distance of measuring bar	24.819~24.891
Diameter of measuring bar	Φ3.048