



SAP 012-064 ISO is a series of light weight casing piston pumps with a fixed displacement for demanding mobile hydraulics.

SAP 012-064 ISO covers the displacement range 0.77–3.88 cu in/rev. at a maximum working pressure of 5800 psi. It is a modern, compact pump which meets the market's high demands on flow performance, pressure, efficiency and small installation dimensions. The pump is internally drained.

Other advantages:

- Light weight metal casing design
- Smooth operation over the entire speed range
- Long life due to high demands on material selection, such as bearings, seals, etc
- Corrosion free light metal-housing
- Less heat generation due to better ability to dissipate heat through housing

Versions, main data

Example

SA	P	-	064	L	-	N	-	I43	-	W35	-	S0	S	-	0	00
Line	1		2	3		4		5		6		7	8		9	10

Line

SA	Sunfab Aluminium
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1. Type

P	Pump
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2. Displacement

012	017	025	034	040	047	056	064
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3. Direction of rotation

R	Right
L	Left

4. Shaft seal

N	Nitrile
V	HNBR*

*Only available for 040-064.

5. Mounting flange

ISO 3019-2	012	017	025	034	040	047	056	064
I41	ISO 4-h Ø80	X	X	-	-	-	-	-
I42	ISO 4-h Ø100	-	-	X	X	-	-	-
I43	ISO 4-h Ø125	-	-	-	-	X	X	X

6. Shaft

	012	017	025	034	040	047	056	064
Spline DIN 5480								
W20	W20x1.25x14x9g	X	X	-	-	-	-	-
W25	W25x1.25x18x9g	X	X	X	O	-	-	-
W30	W30x2x14x9g	-	-	X	X	X	X	O
W32	W32x2x14x9g	-	-	-	-	X	X	O
W35	W35x2x16x9g	-	-	-	-	X	X	X

- = Not available

X = Standard, preferred

O = Contact Sunfab

8. Connection cover

S0	40° Sunfab standard
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8. Connections

S	Sunfab standard
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9. Additional

0	Internally drained
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10. Accessories

00	No accessories available
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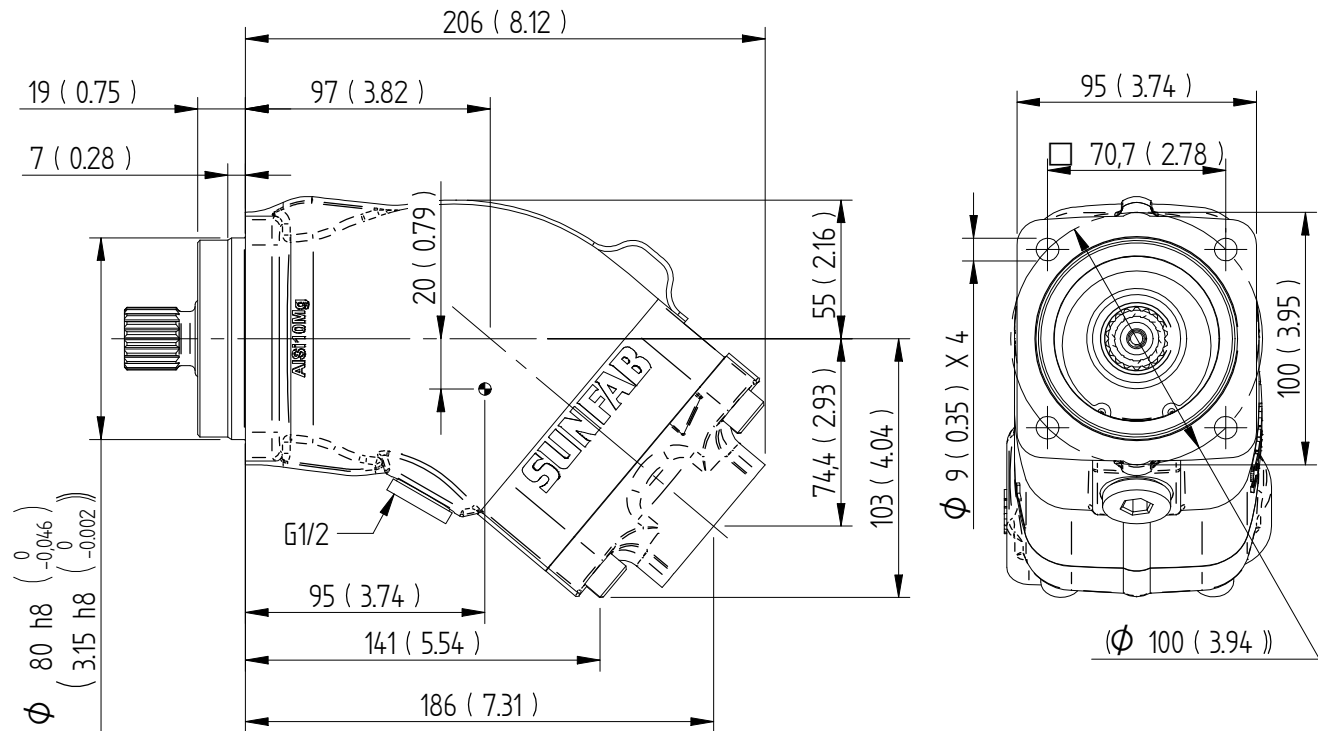
SAP 012-064 ISO		012	017	025	034	040	047	056	064
Theoretical oil flow l/min at pump speed									
rpm	500	6	9	13	17	21	24	28	32
	1000	13	17	25	34	41	47	57	64
	1500	19	26	38	51	62	71	85	95
Displacement									
cu in/rev		0.77	1.04	1.55	2.09	2.51	2.87	3.46	3.88
Max pump speed									
<i>continuous</i>	rpm	2300	2300	2300	2300	1900	1900	1900	1900
<i>intermittent</i>		3000	3000	3000	3000	2500	2500	2500	2500
Max working pressure									
psi		5800	5800	5800	5800	5800	5800	5800	5800
Weight									
lb		15.4	15.4	16.8	16.8	24.9	24.9	24.9	24.9
Tare-weight torque (M)									
lb-ft		4.8	4.8	4.9	4.9	8.9	8.9	8.9	8.9
Direction of rotation									
Left (L) or Right (R)									

Dimensions SAP 012-017 ISO

Flange & shafts

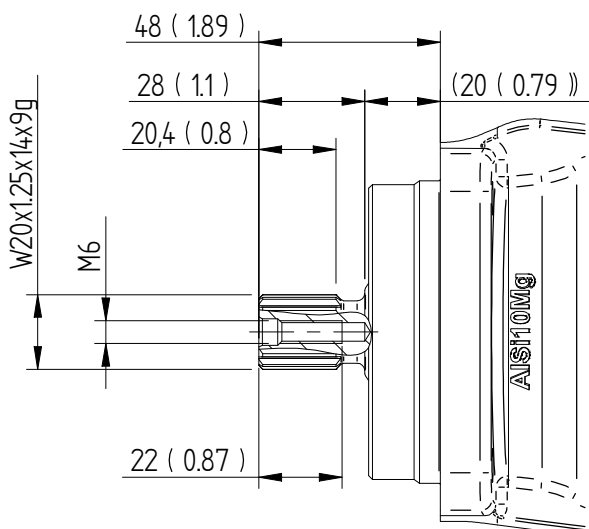
Millimeter (inch)

I41 ISO 3019-2

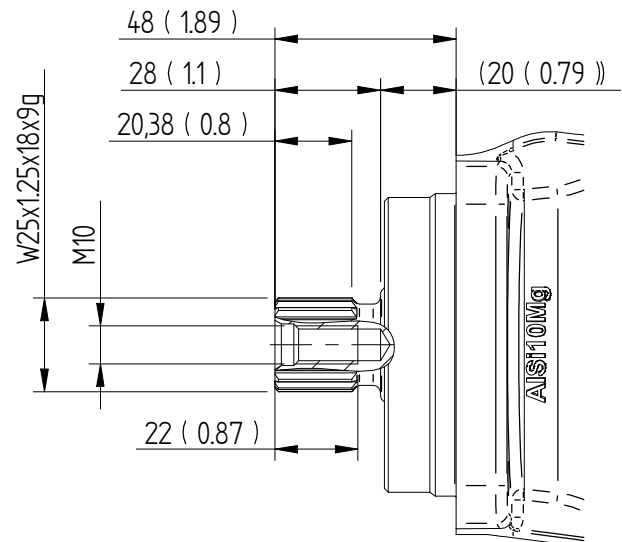


Center of gravity

W20 DIN 5480



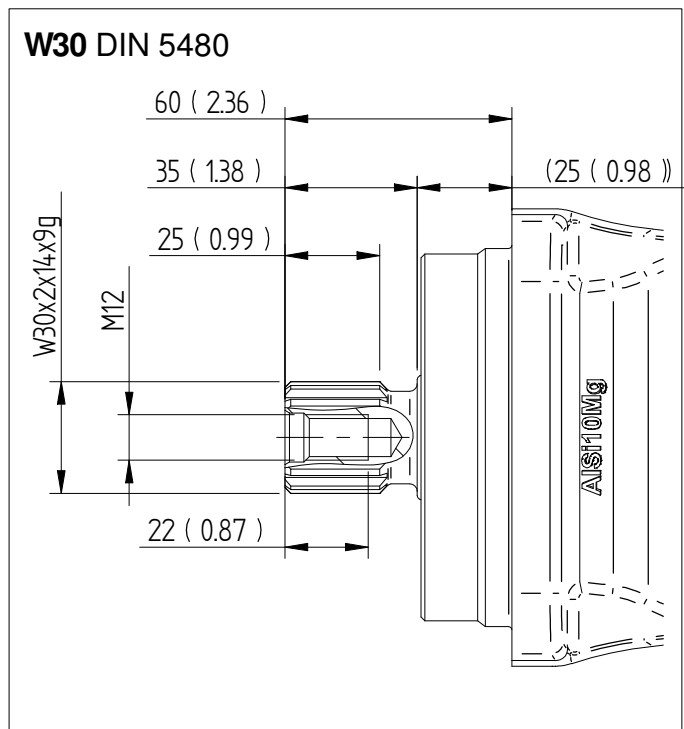
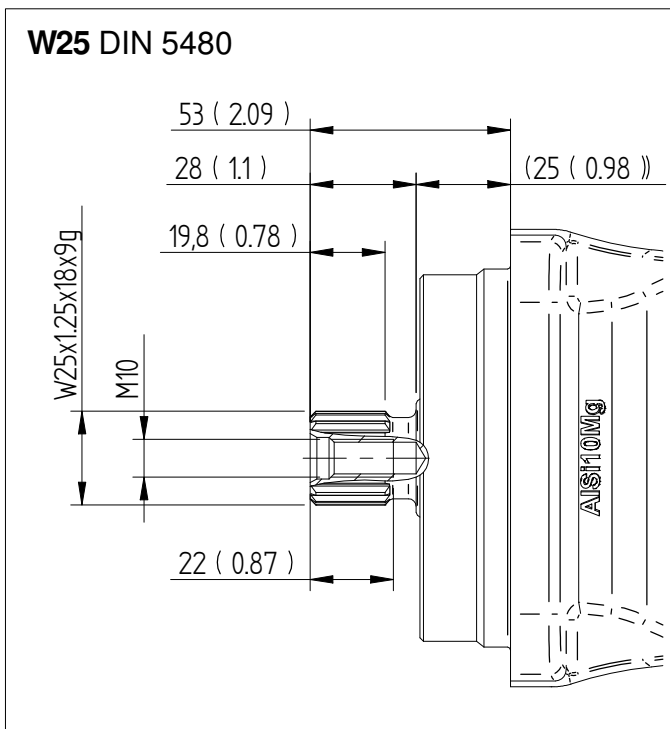
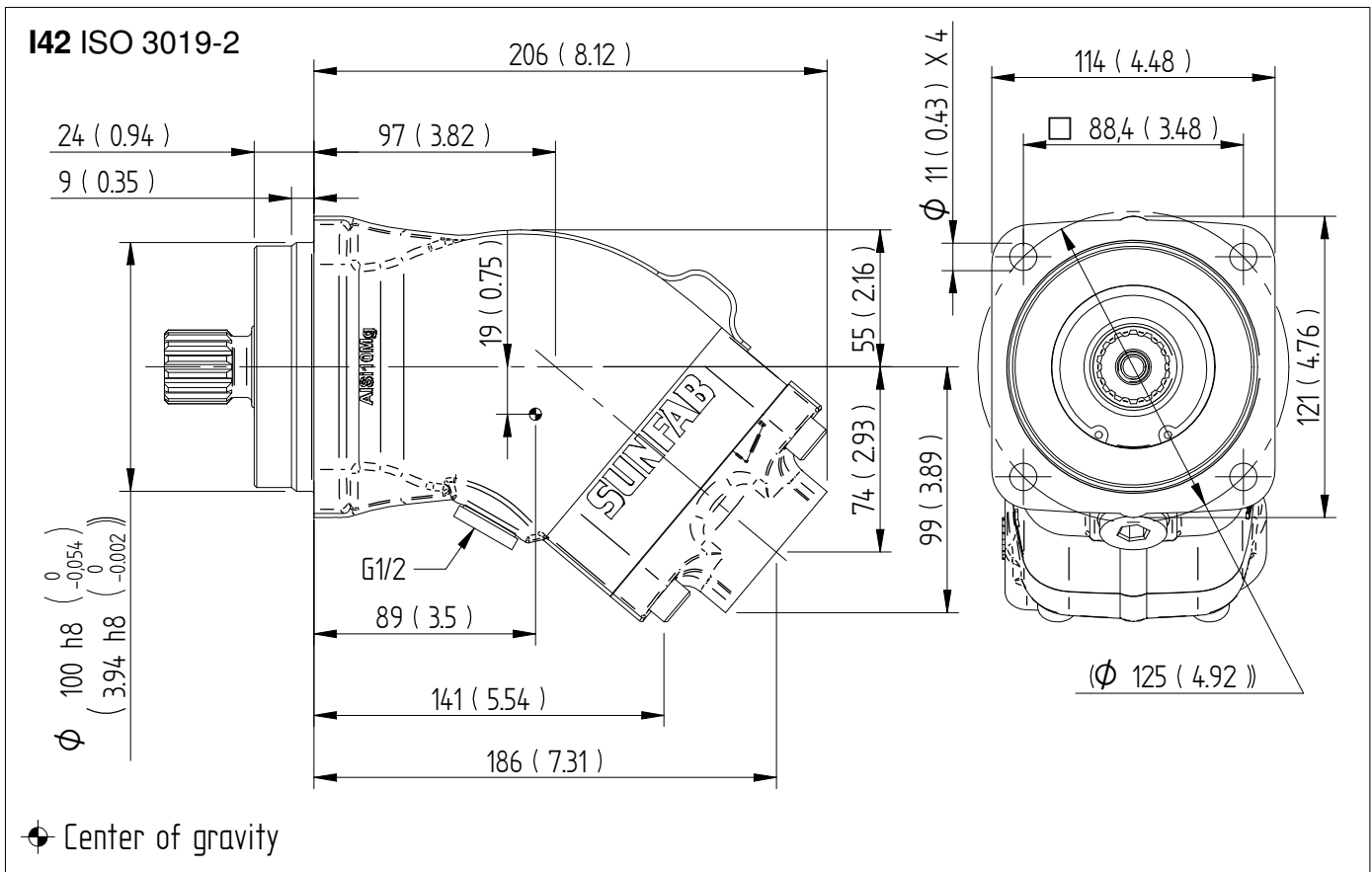
W25 DIN 5480



Dimensions SAP 025-034 ISO

Flange & shafts

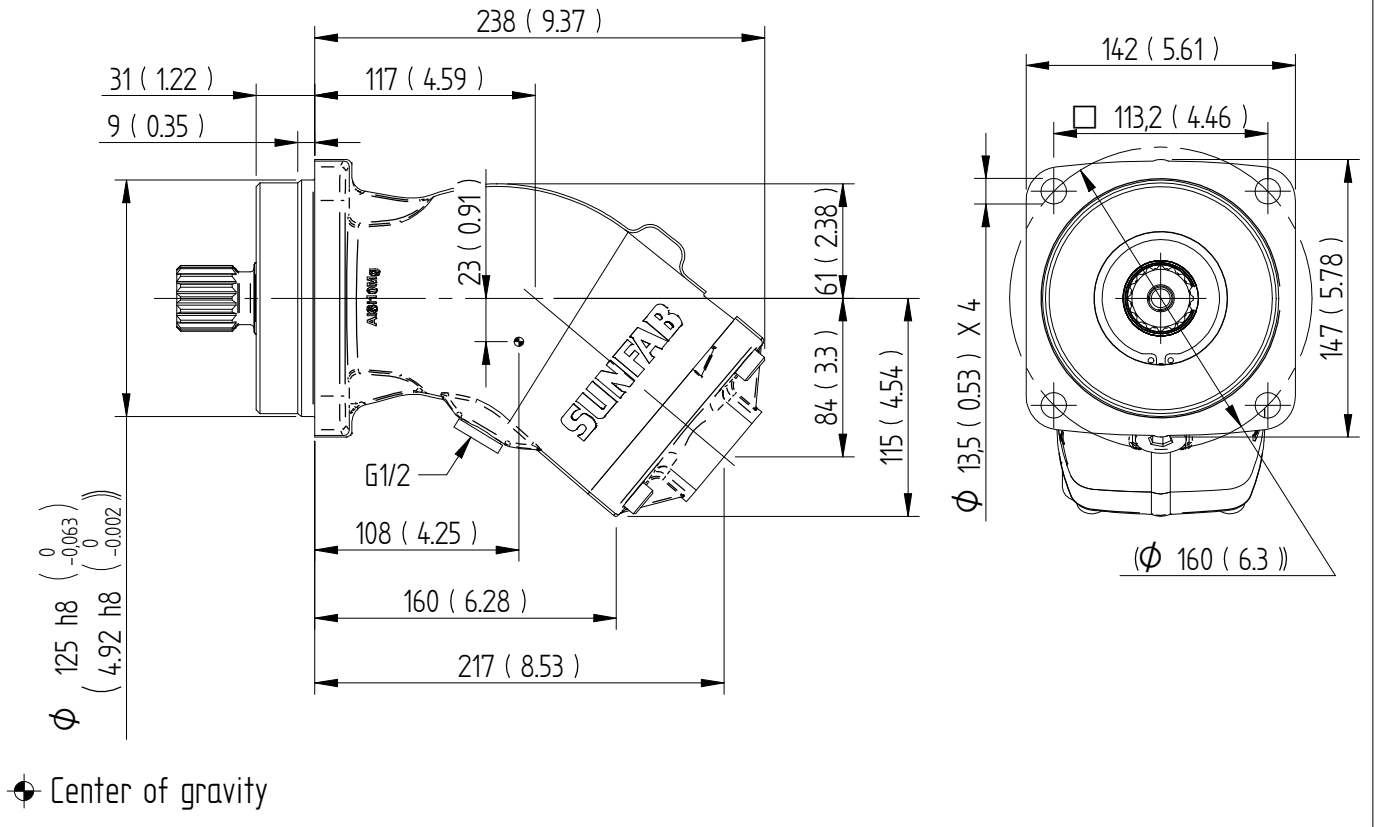
Millimeter (inch)



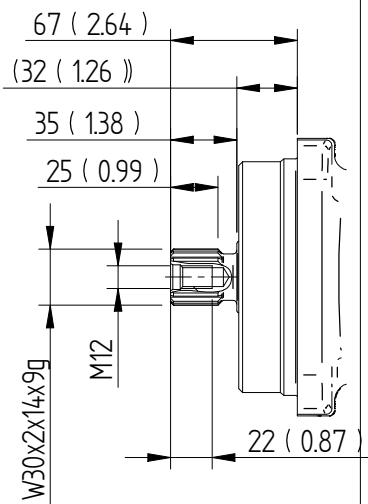
Dimensions SAP 040-064 ISO

Millimeter (inch)

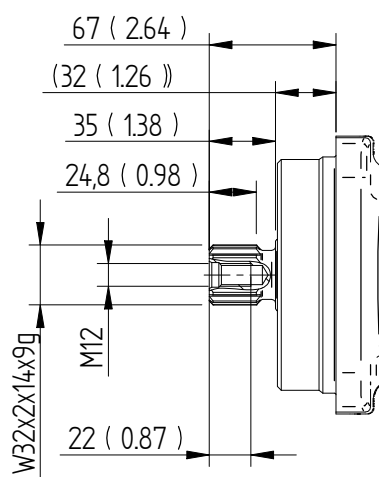
I43 ISO 3019-2



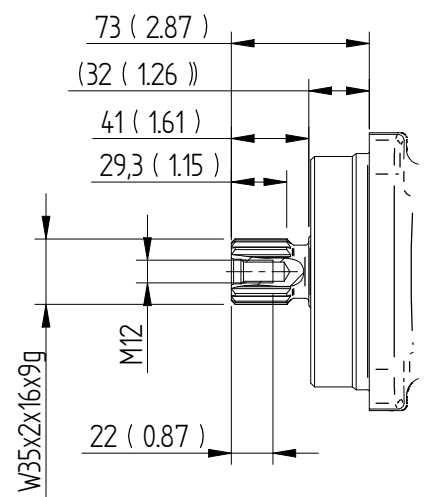
W30 DIN 5480



W32 DIN 5480



W35 DIN 5480

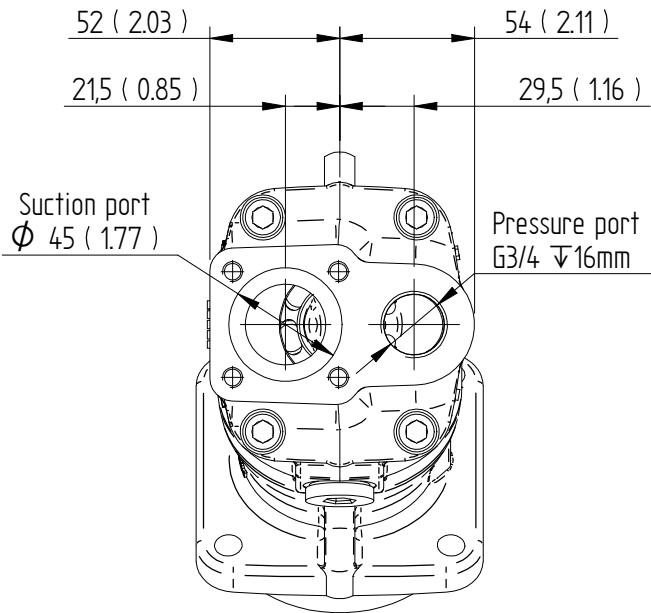


Dimensions SAP 012-064 ISO

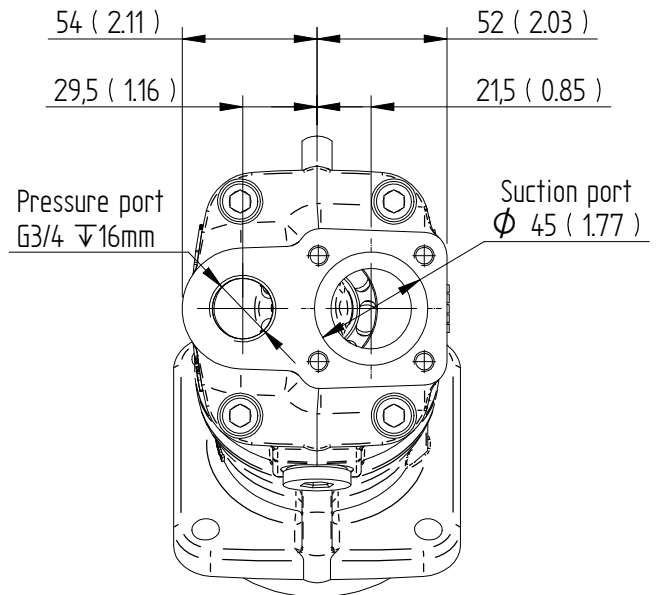
Connection cover

Millimeter (inch)

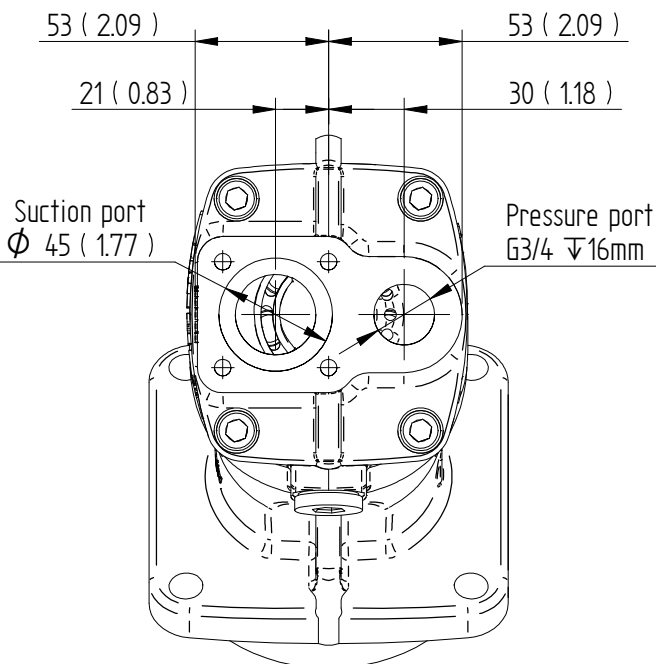
S0S LEFT ROTATION (L) 012-034



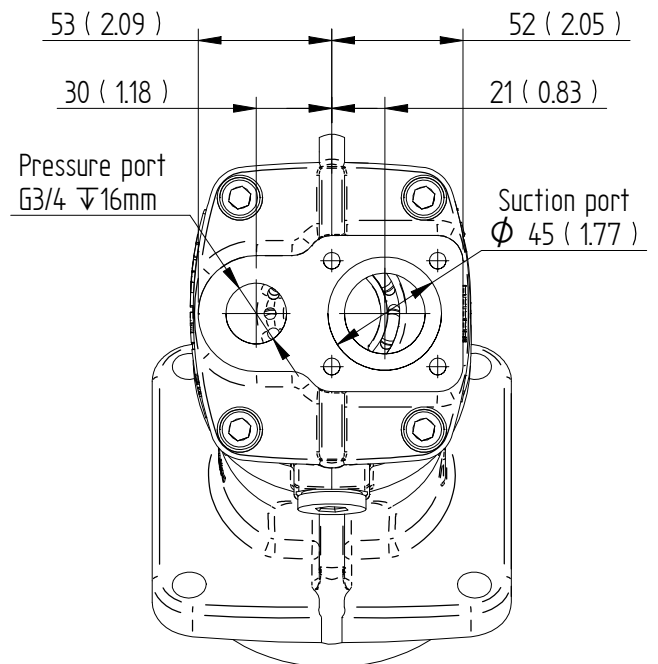
S0S RIGHT ROTATION (R) 012-034



S0S LEFT ROTATION (L) 040-064



S0S RIGHT ROTATION (R) 040-064





WARNING!

When the pump is running:

1. Do not touch the pressure hose
2. Watch out for rotating parts
3. The pump and hoses may be hot

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