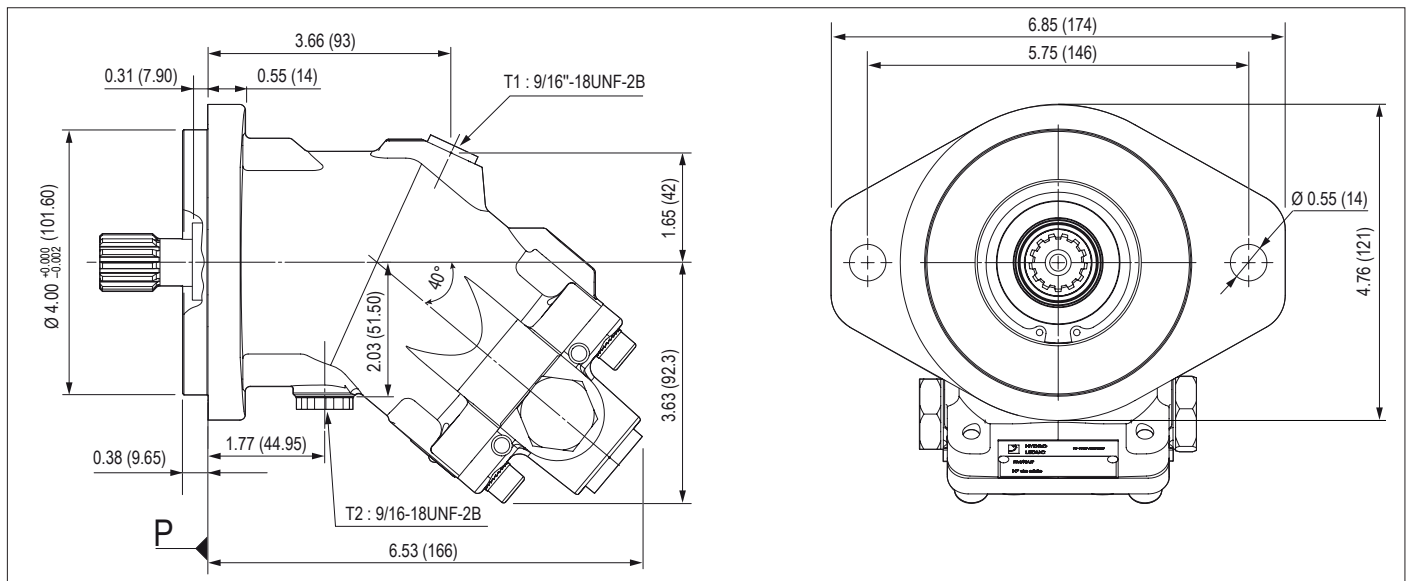


[illegible]

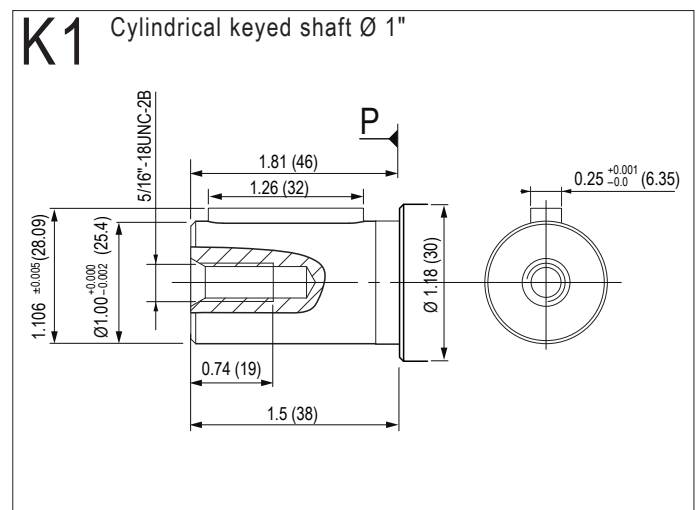
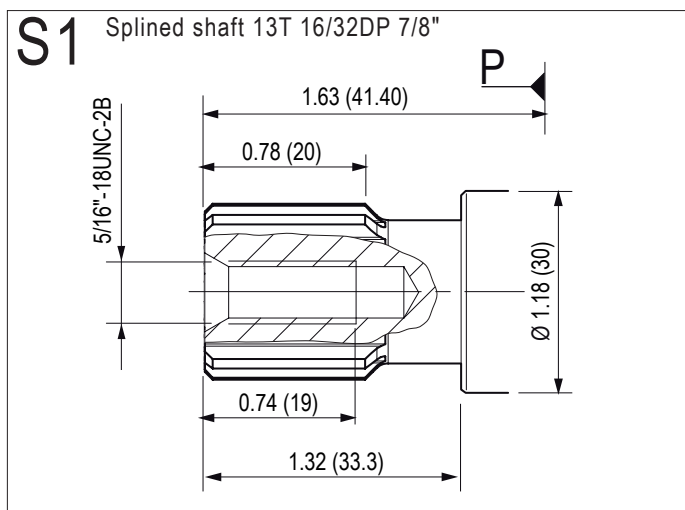
Legend:

- Existing model
- On request
- Not available

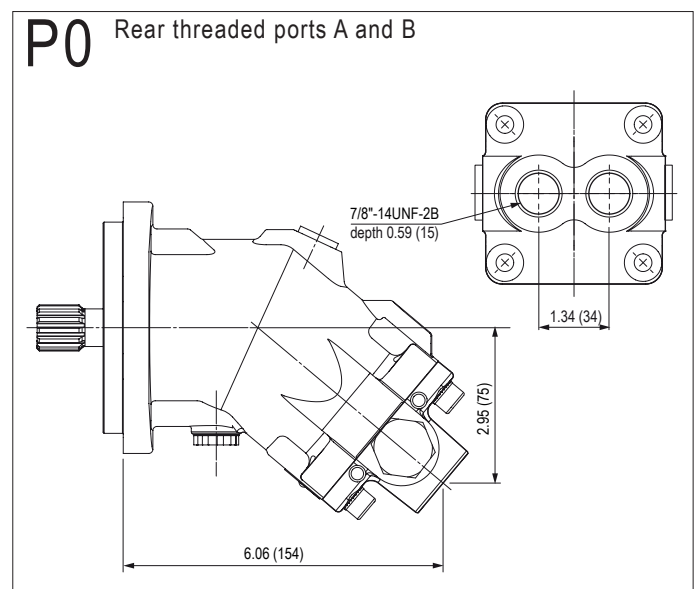
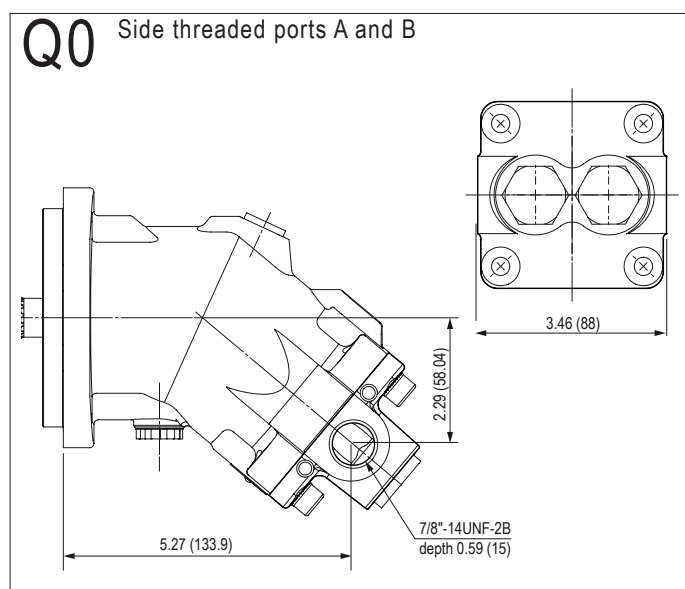
^{*}($\Delta p = 25$ bar)



► **Shaft end**



► Inlet ports



Dimensions in inches (mm) are given only as an indication.

S1 Splined shaft 14T 12/24DP 1 1/4"

Technical drawing of a splined shaft. The shaft has a diameter of 1 1/4 inches and 14 teeth with a 12/24 DP pitch. The drawing shows the shaft with a keyway. Dimensions are given in inches and millimeters (in brackets). The total length is 1.890 [48]. The distance from the end of the shaft to the start of the keyway is 0.984 [25]. The length of the keyway is 1.330 [33.8]. The distance from the end of the shaft to the center of the keyway is 1.378 [35]. The distance from the end of the shaft to the end of the keyway is 2.201 [55.9]. The shaft is labeled 7/16" - 14 UNC - 2B. A dimension line labeled 'P' indicates the pitch diameter.

7/16" - 14 UNC - 2B

2.201 [55.9]

1.378 [35]

1.330 [33.8]

0.984 [25]

1.890 [48]

P

K1

Cylindrical keyed shaft $\varnothing 1\frac{1}{4}"$

Technical drawing of a cylindrical keyed shaft (K1) showing side and end views with dimensions in inches and millimeters.

Side View Dimensions:

- Overall length: 2.2 (55.9)
- Distance from end face to start of keyway: 1.57 (40)
- Keyway depth: 0.86 (22)
- Distance from end face to end of keyway: 1.89 (48)
- Shaft diameter: $\varnothing 1.38$ (35)
- Keyway width: 0.3125 (+0.001/-0.0) (7.94)

End View Dimensions:

- Keyway width: 0.3125 (+0.001/-0.0) (7.94)

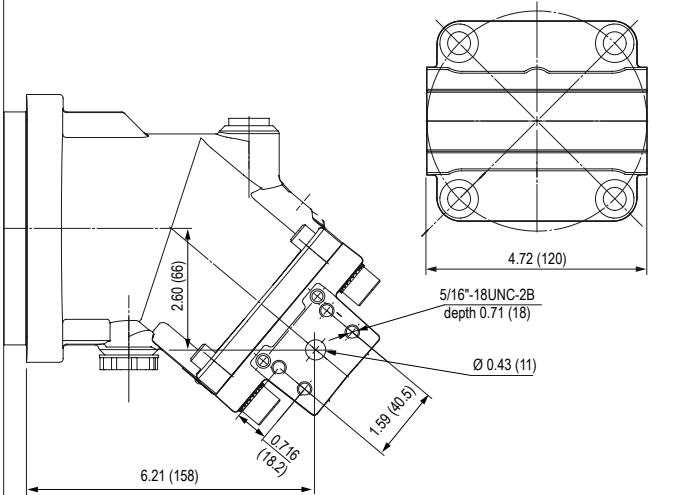
Key Dimensions:

- Key length: 1.386 ± 0.005 (35.20)
- Key width: $\varnothing 1.25$ $\begin{smallmatrix} +0.000 \\ -0.002 \end{smallmatrix}$ (31.75)
- Key type: 7/16"-14UNC-2B

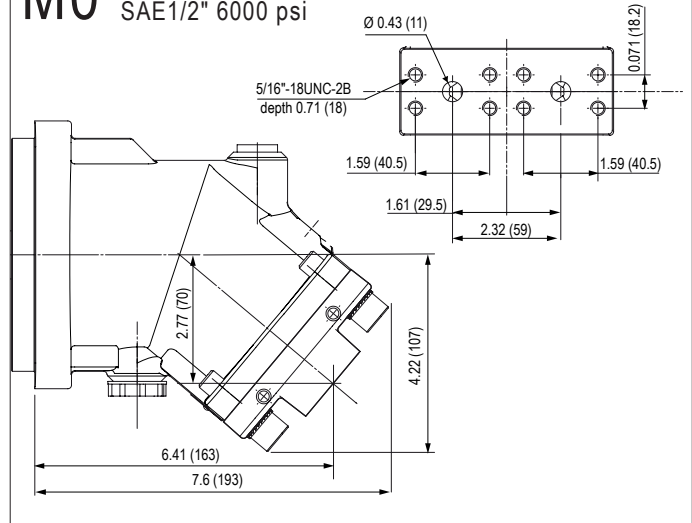
Dimensions in inches (mm) are given only as an indication.

► Shaft end

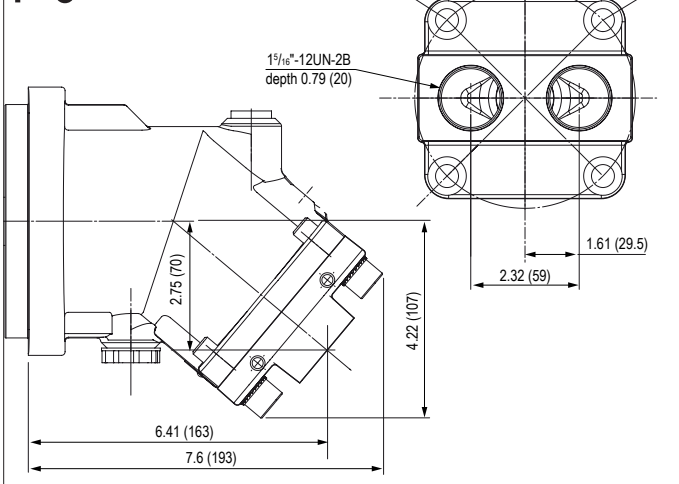
N0 or **N1** Side SAE flange ports A and B
SAE 1/2" 6000 psi



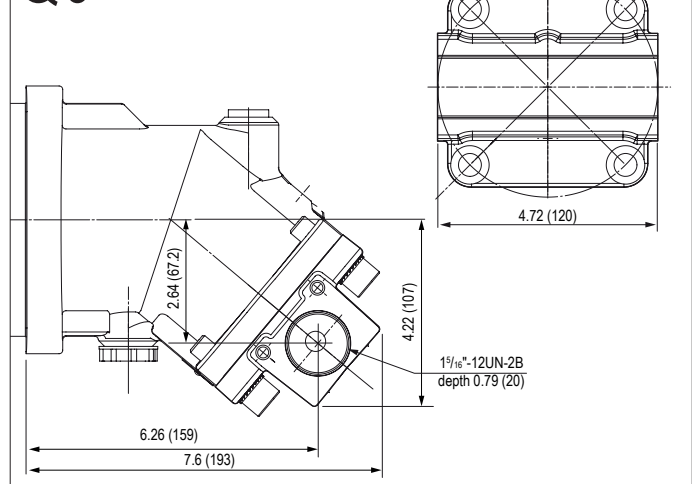
M0 Rear SAE flange ports A and B
SAE 1/2" 6000 psi Ø 0.43 (11)



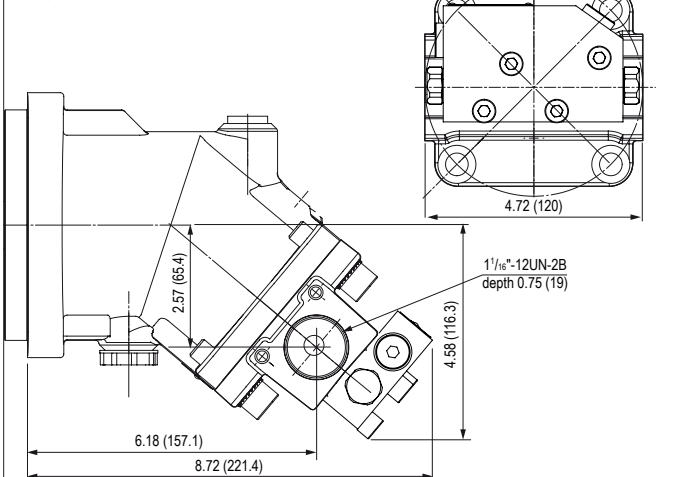
P0 Rear threaded ports A and B



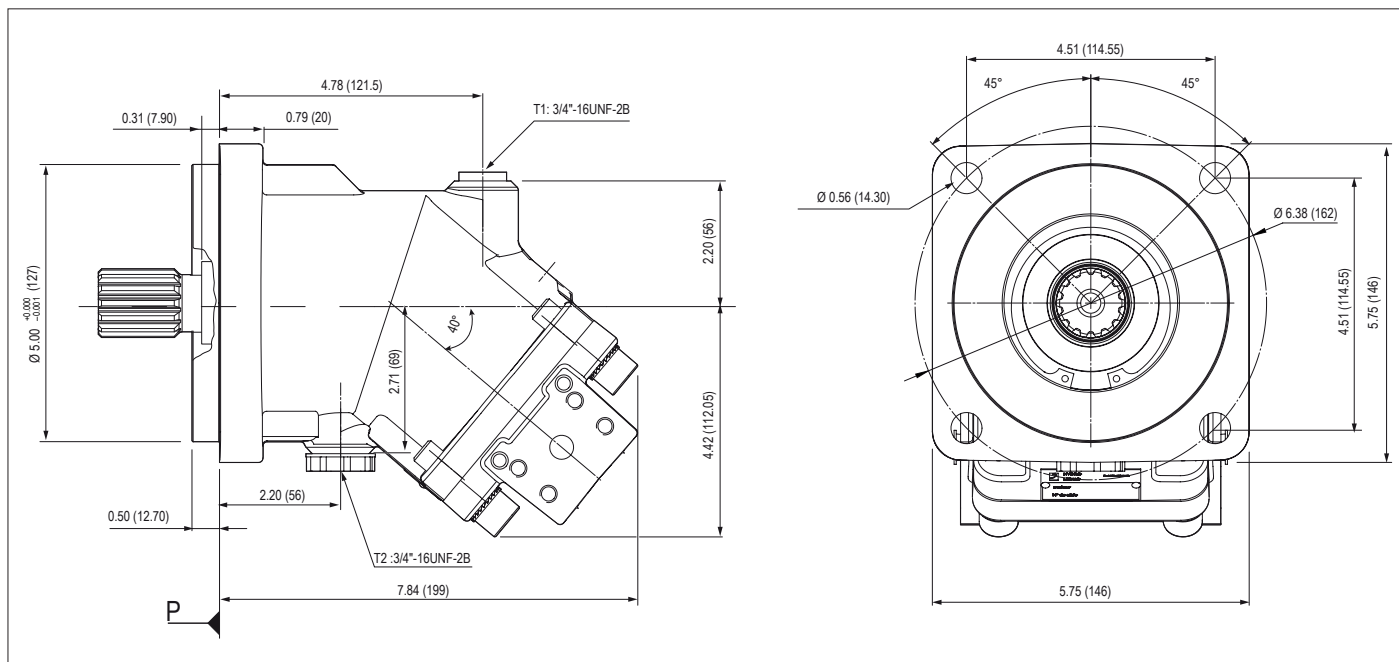
Q0 Side threaded ports



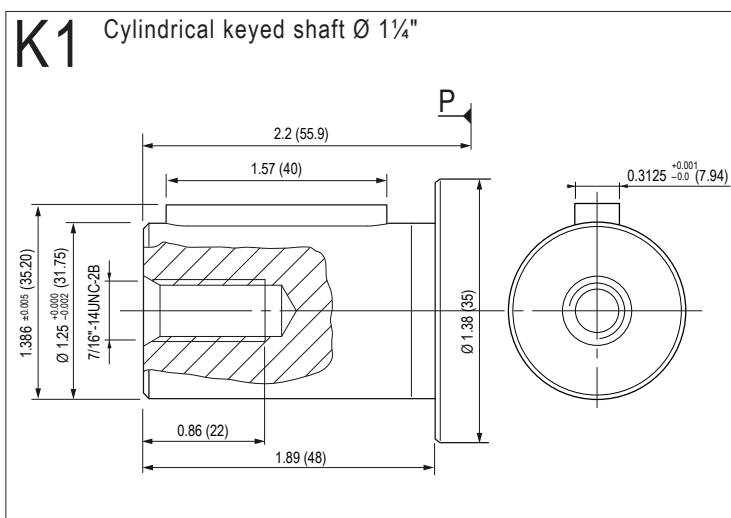
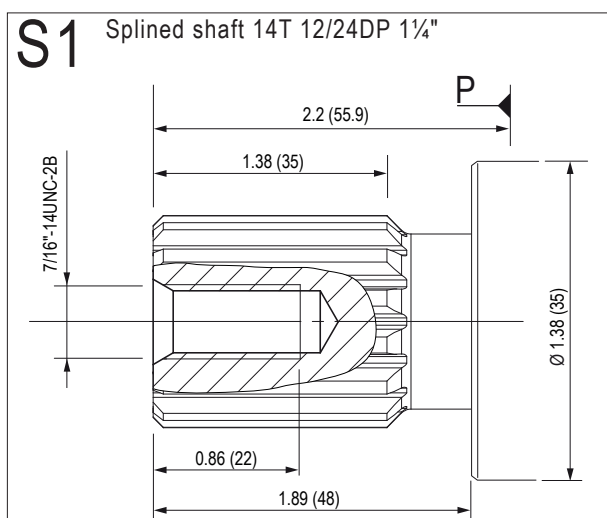
Q1 Side threaded ports



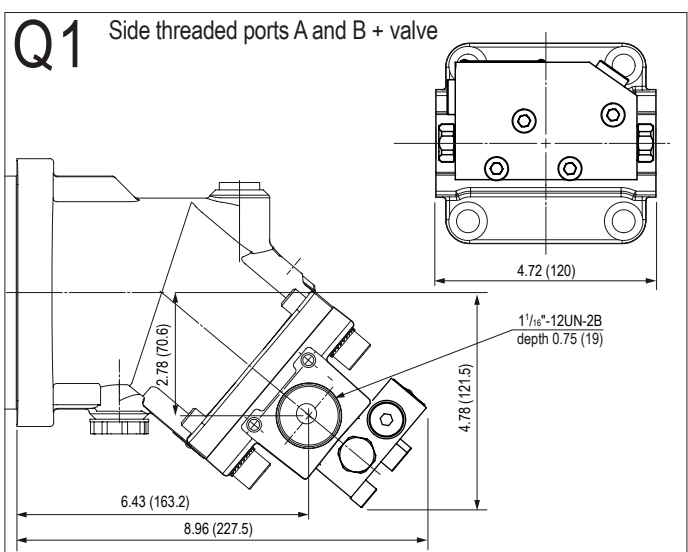
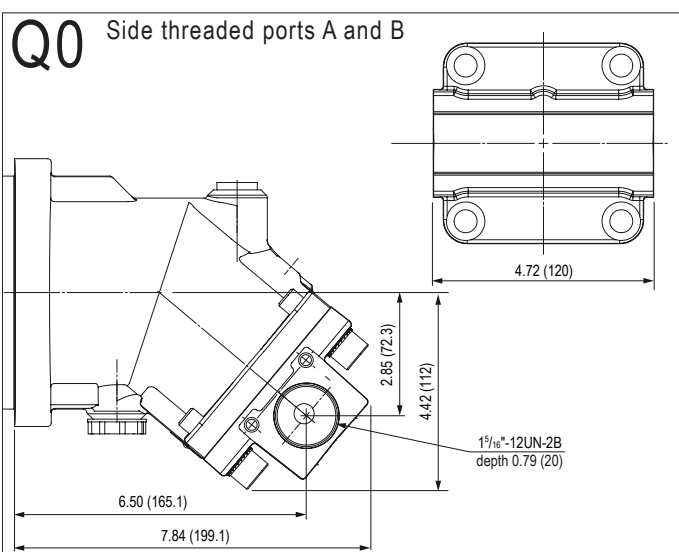
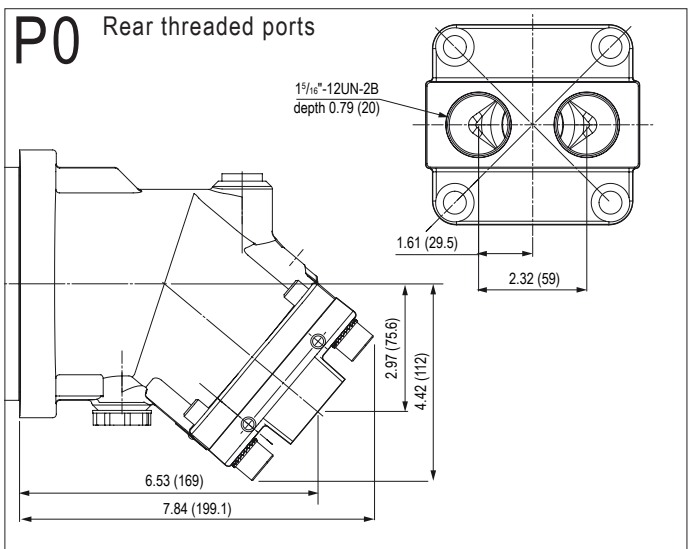
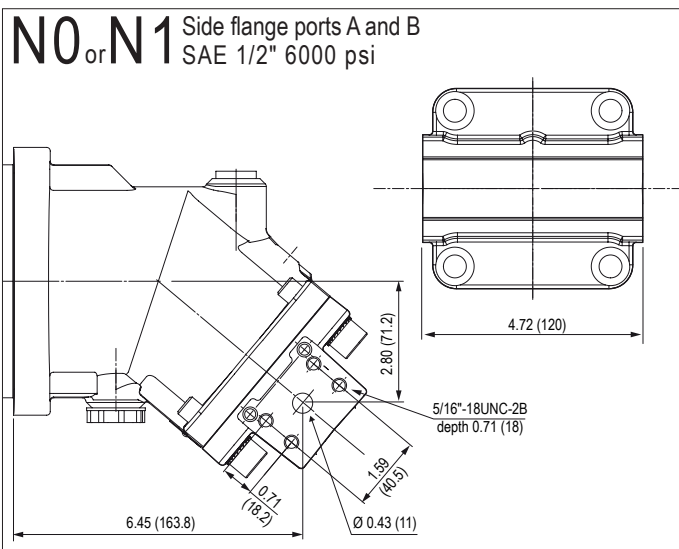
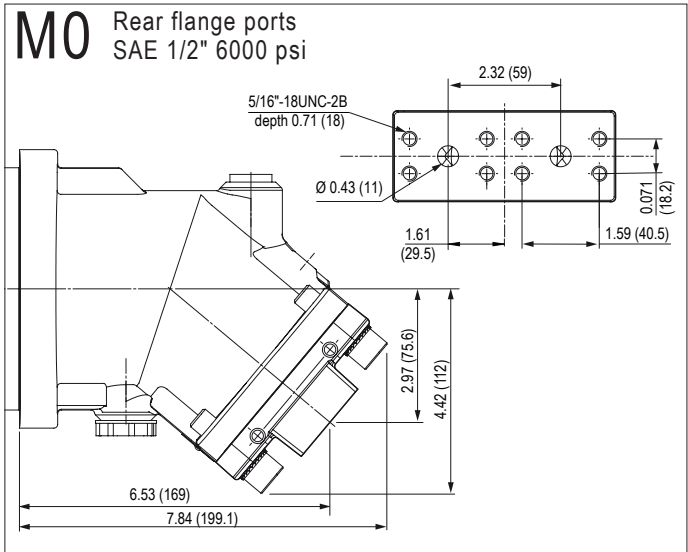
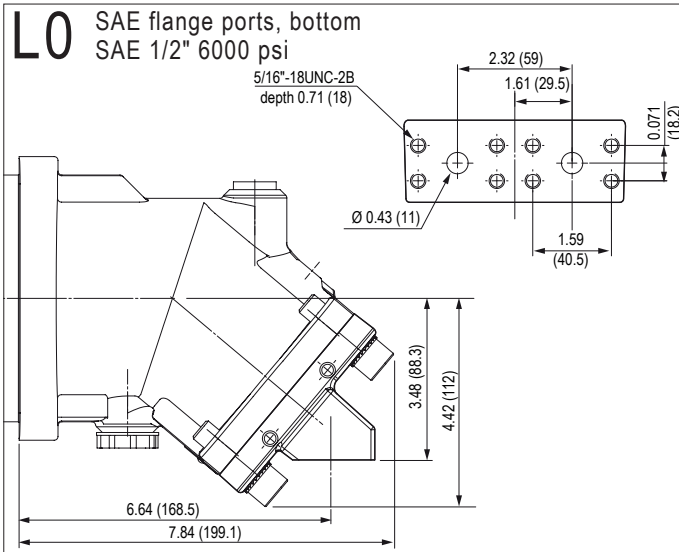
Dimensions in inches (mm) are given only as an indication.



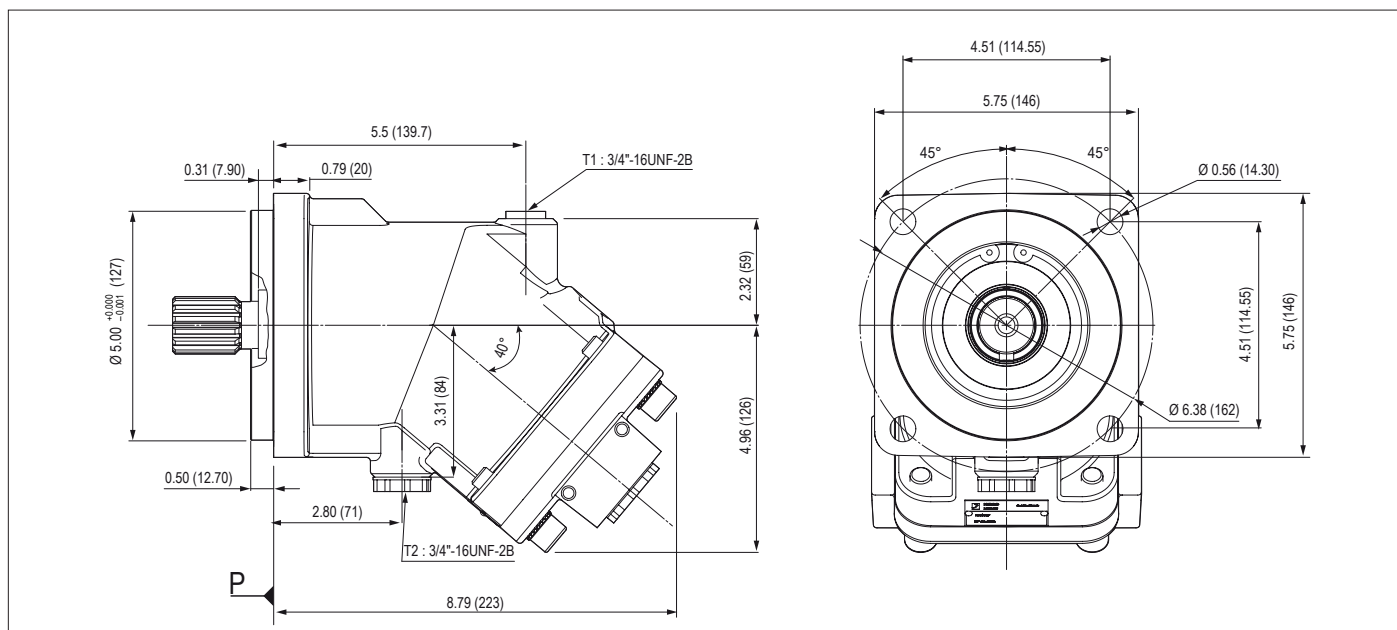
► Shaft end



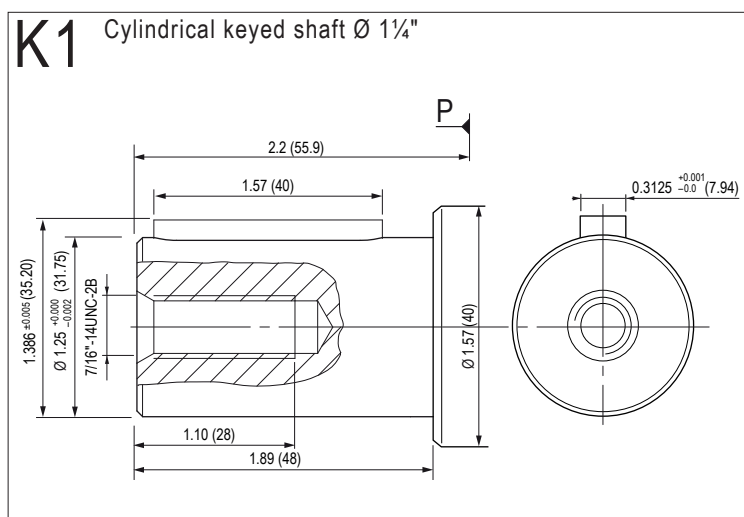
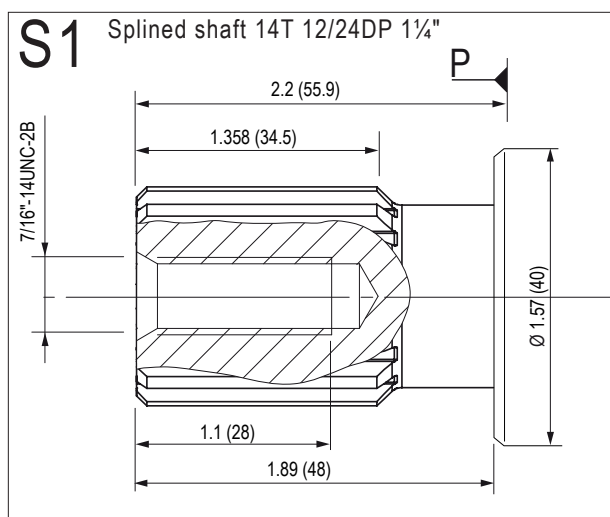
Inlet ports



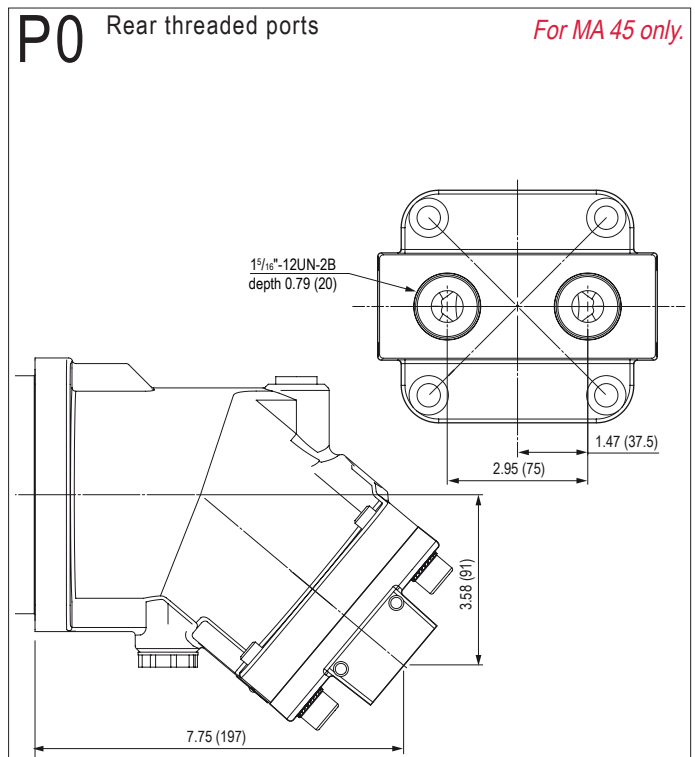
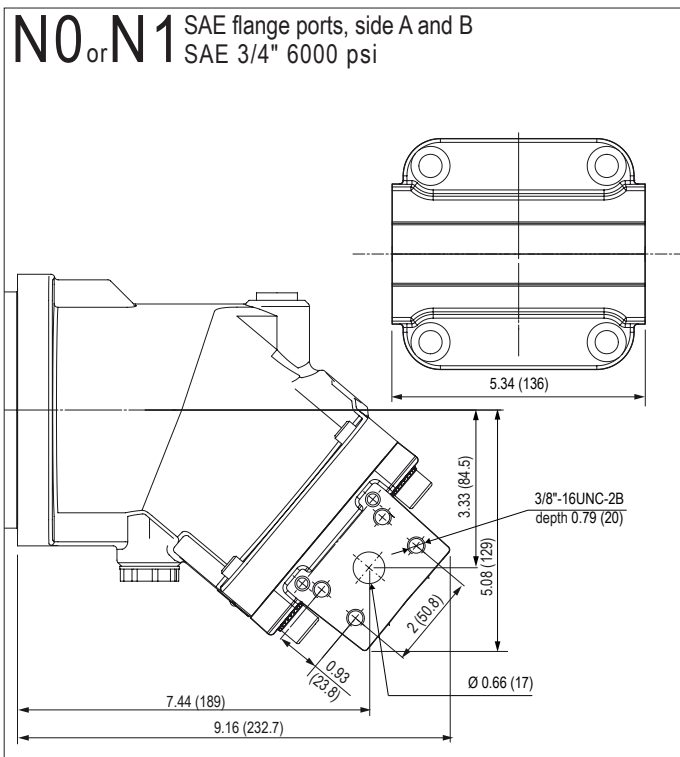
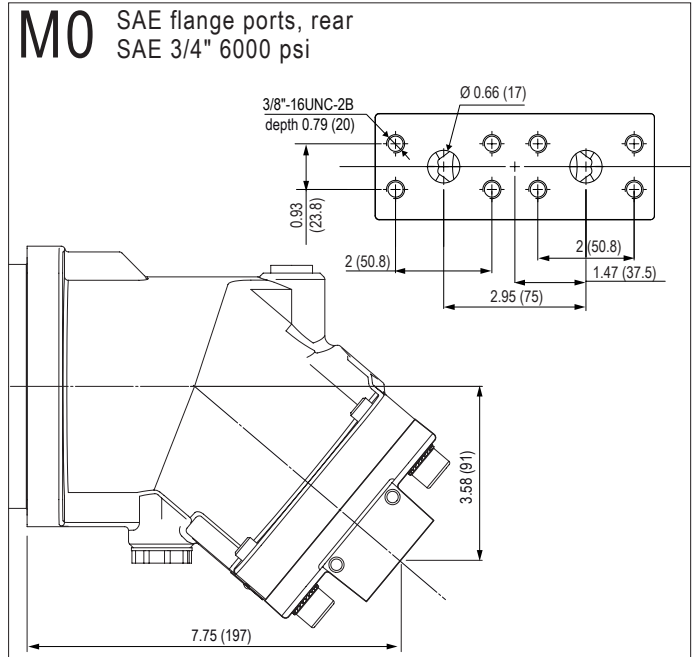
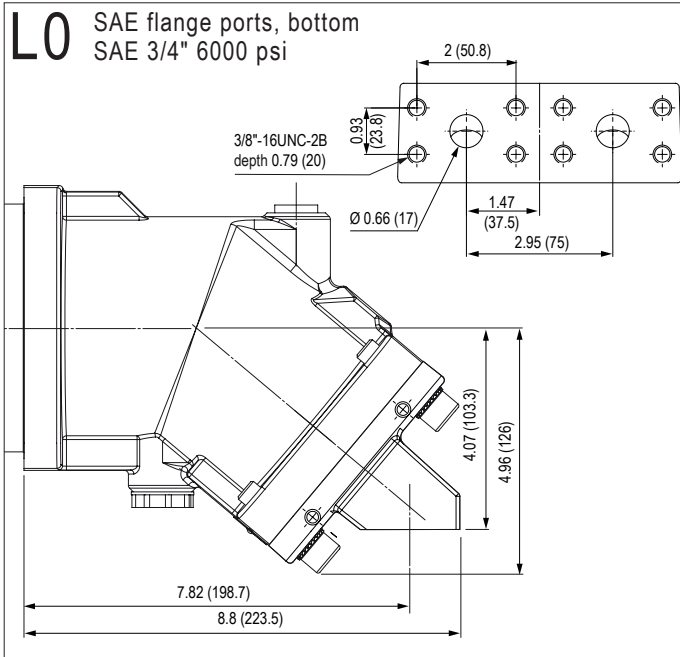
Dimensions in inches (mm) are given only as an indication.

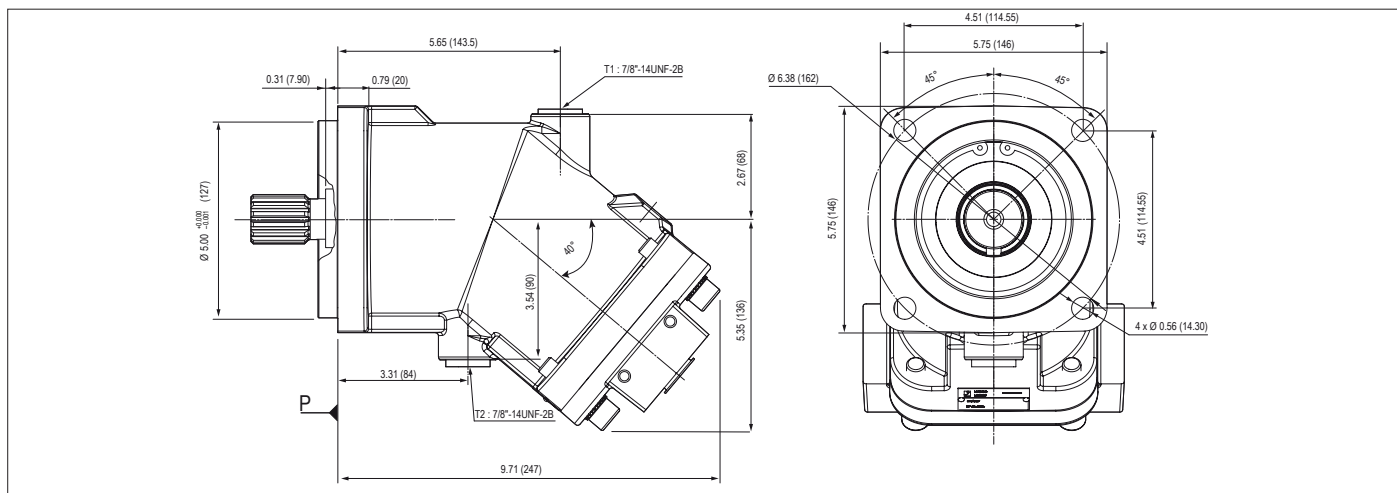


► Shaft end

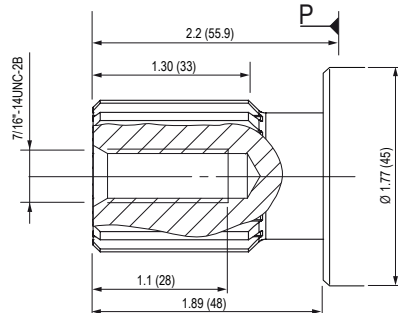


Inlet ports

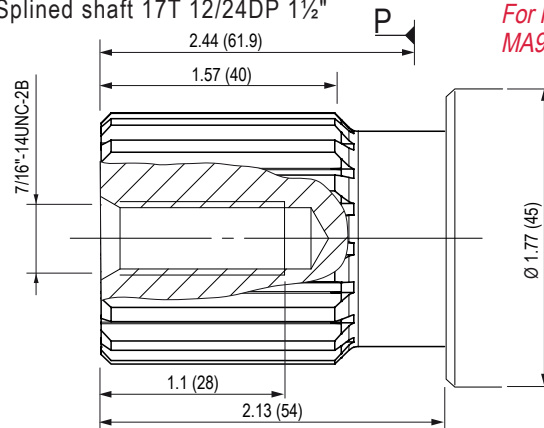




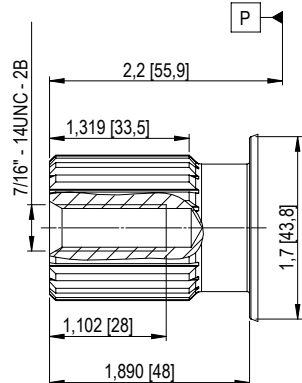
► Shaft end

S1 Splined shaft 14T 12/24DP 1¼"

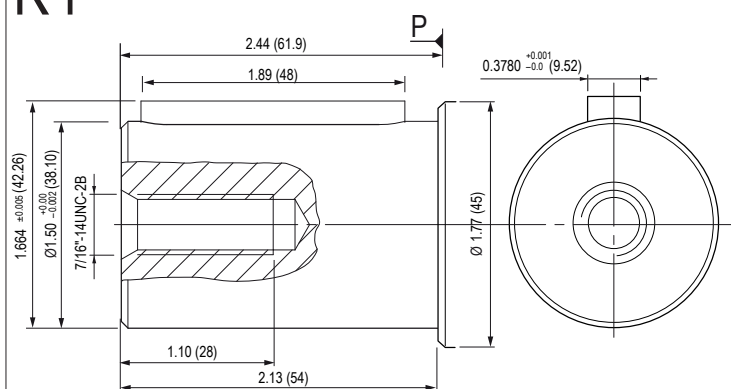
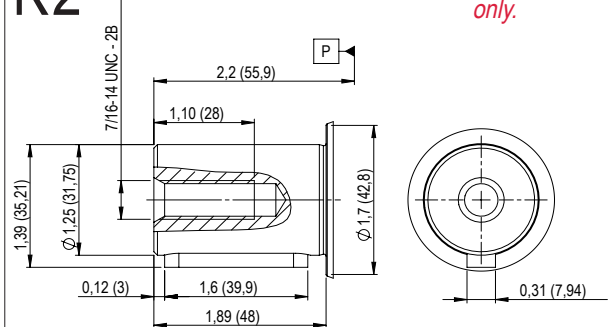
Max. pressure 400 bar (5800 psi) for MA 80/90.
Max. pressure 350 bar (5075 psi) for MA108

S2 Splined shaft 17T 12/24DP 1½"

For MA80 and
MA90 only.

S3 Splined shaft 21T 16/32DP 1⅜"

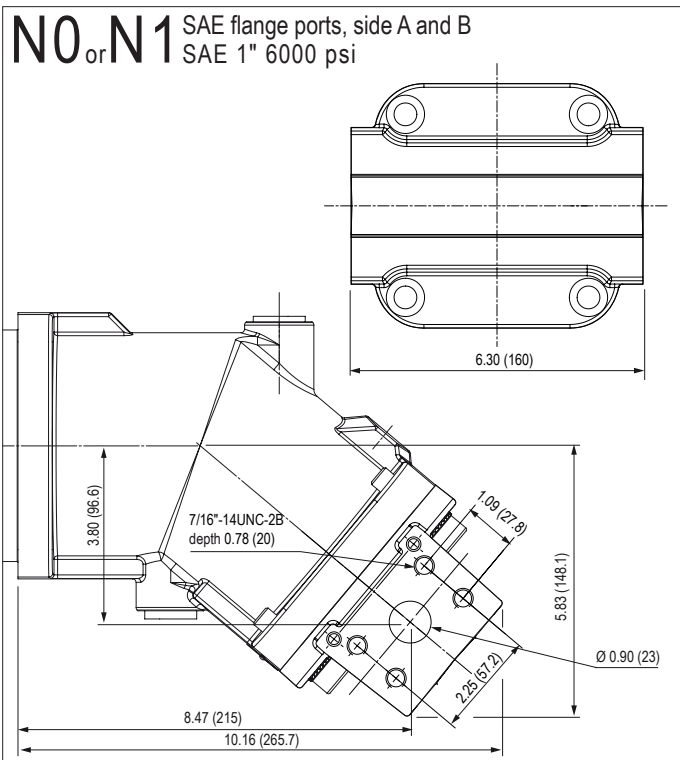
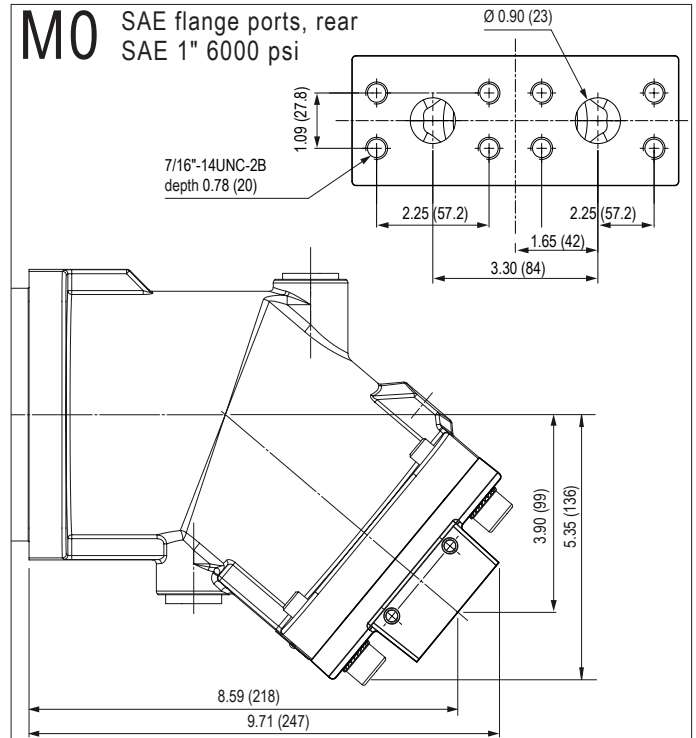
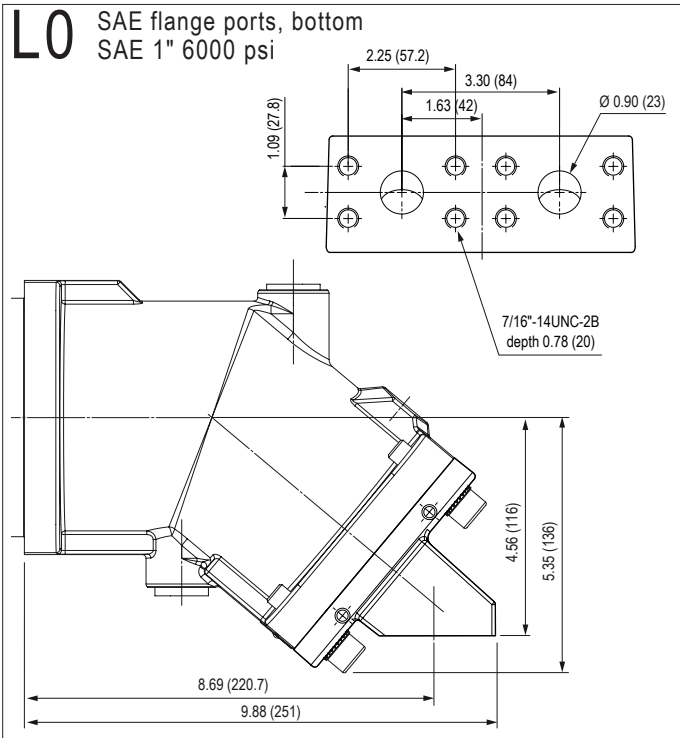
For MA80 and
MA90 only.

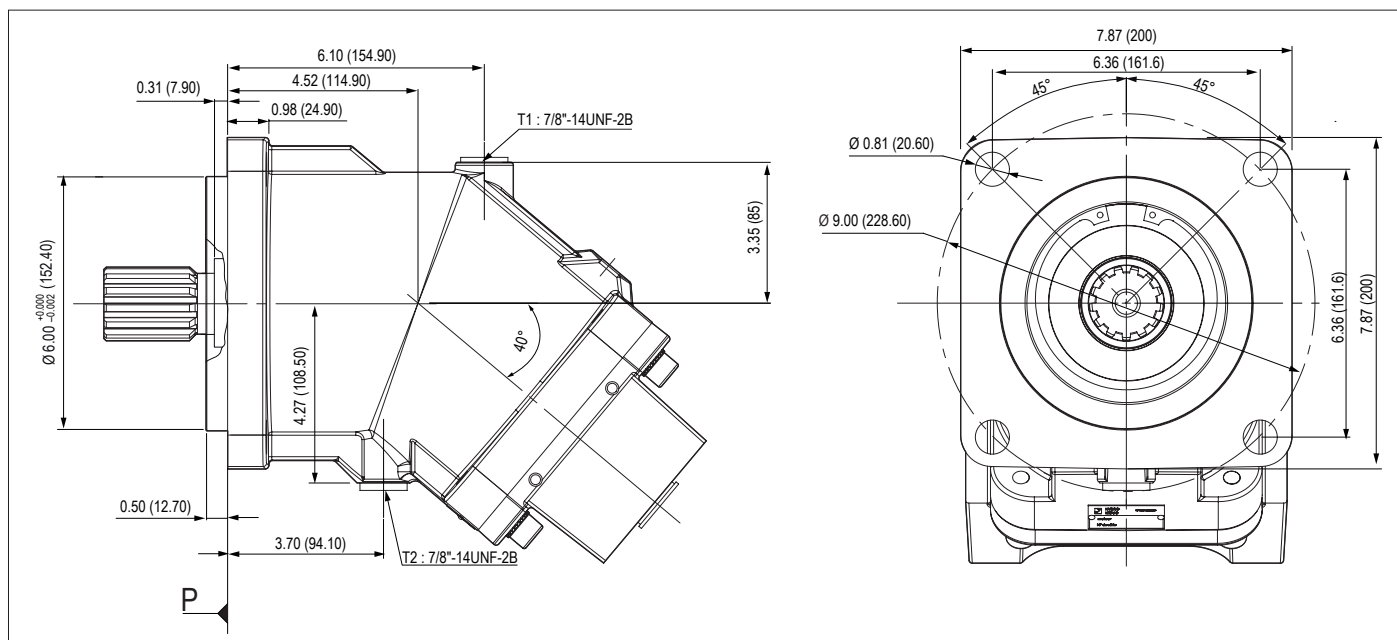
K1 Cylindrical keyed shaft Ø 1½"**K2** Cylindrical keyed shaft Ø 1 ¼"

For MA108
only.

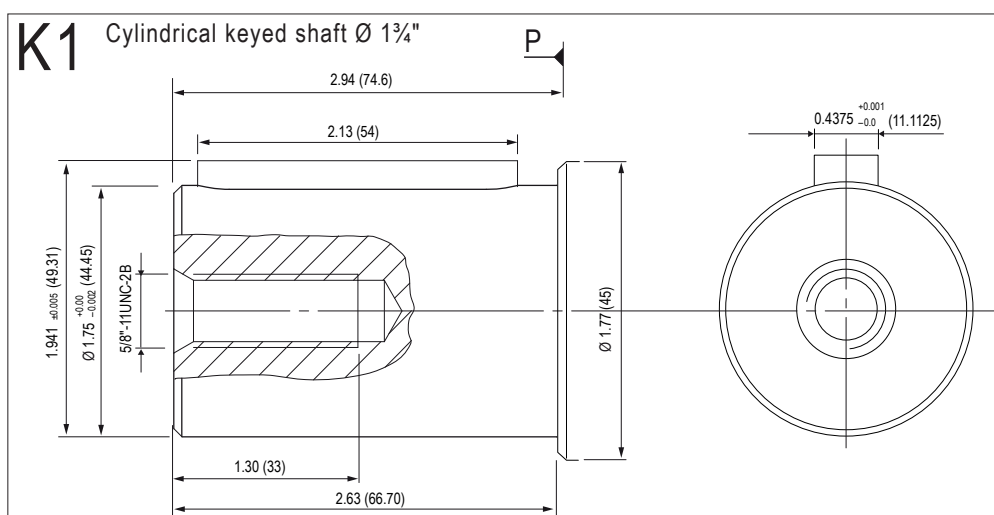
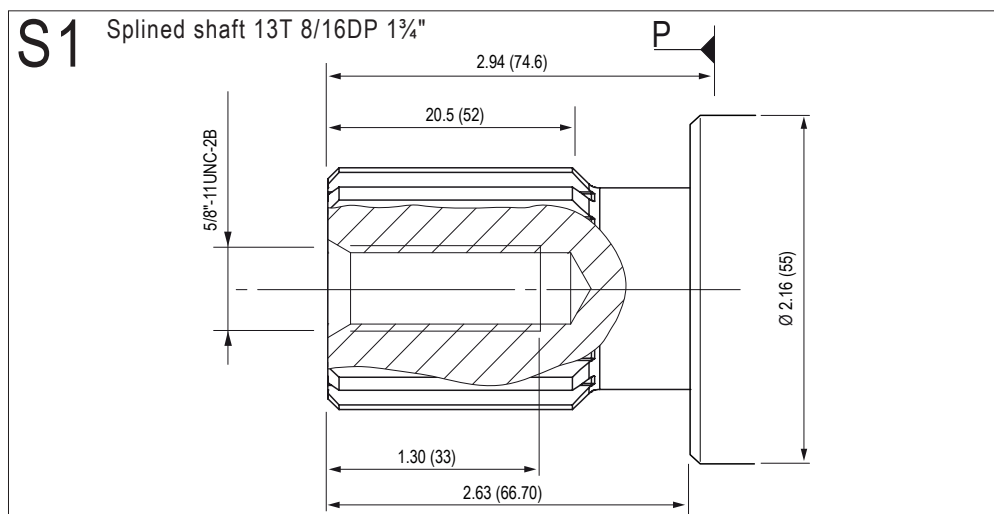
Dimensions in inches (mm) are given only as an indication.

Inlet ports





► Shaft end

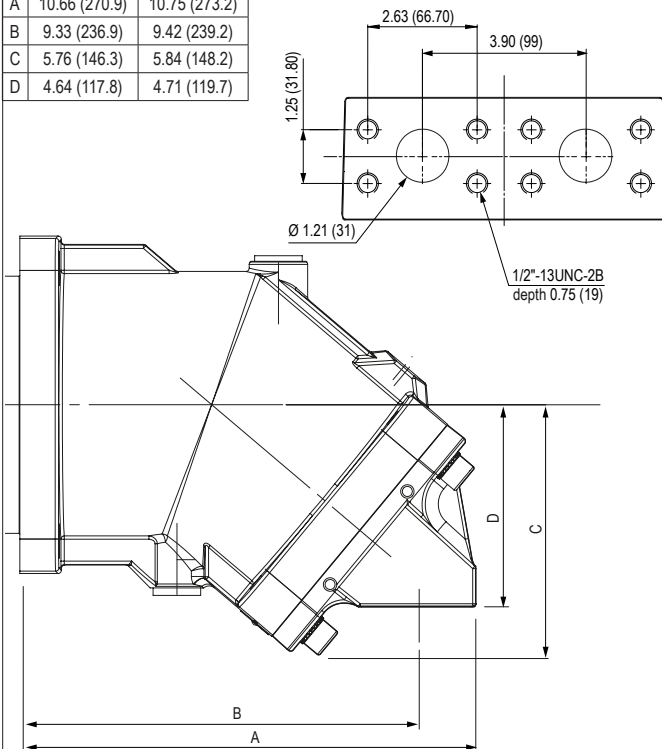


Dimensions in inches (mm) are given only as an indication.

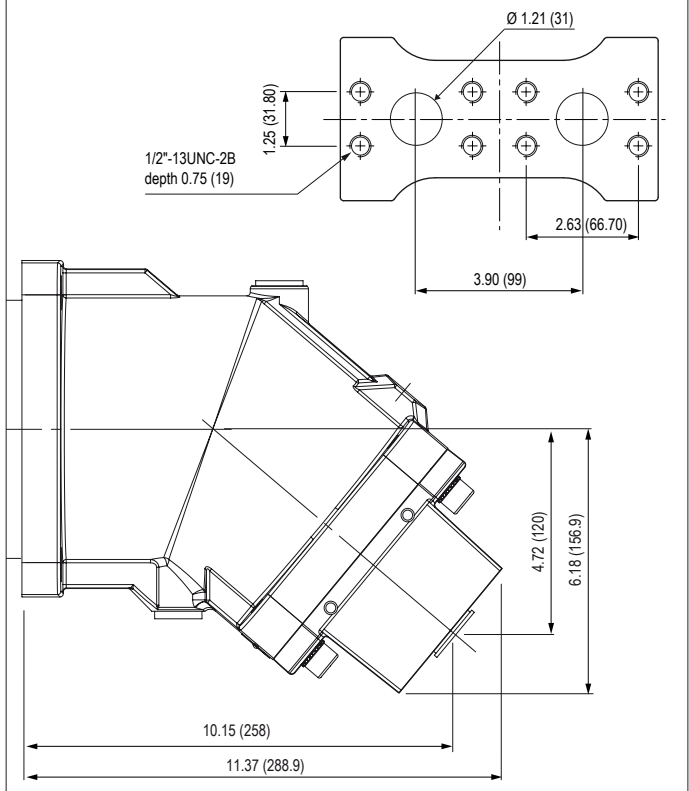
Inlet ports

L0 SAE flange ports, bottom SAE 1 1/4" 6000 psi

	MA 108R	MA 125
A	10.66 (270.9)	10.75 (273.2)
B	9.33 (236.9)	9.42 (239.2)
C	5.76 (146.3)	5.84 (148.2)
D	4.64 (117.8)	4.71 (119.7)

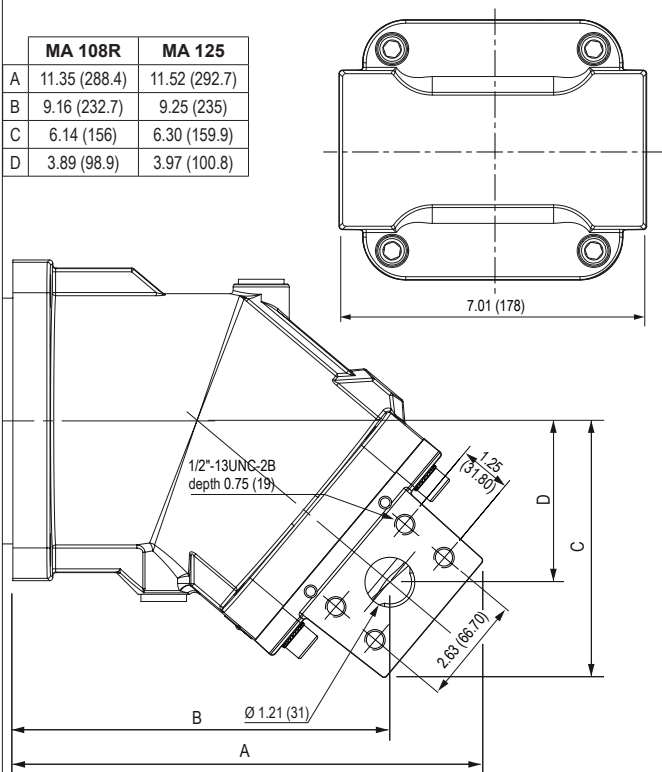


M0 SAE flange ports, rear SAE 1 1/4" 6000 psi

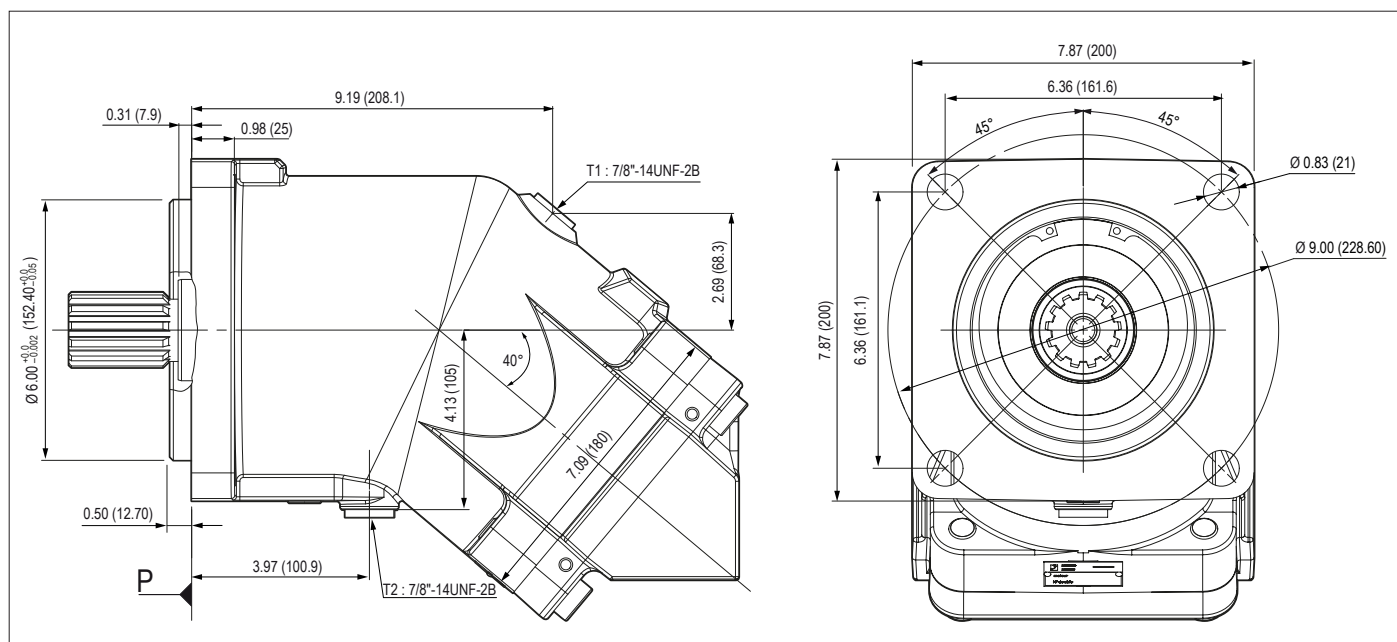


N0 or N1 SAE flange ports, side A and B SAE 1 1/4" 6000 psi

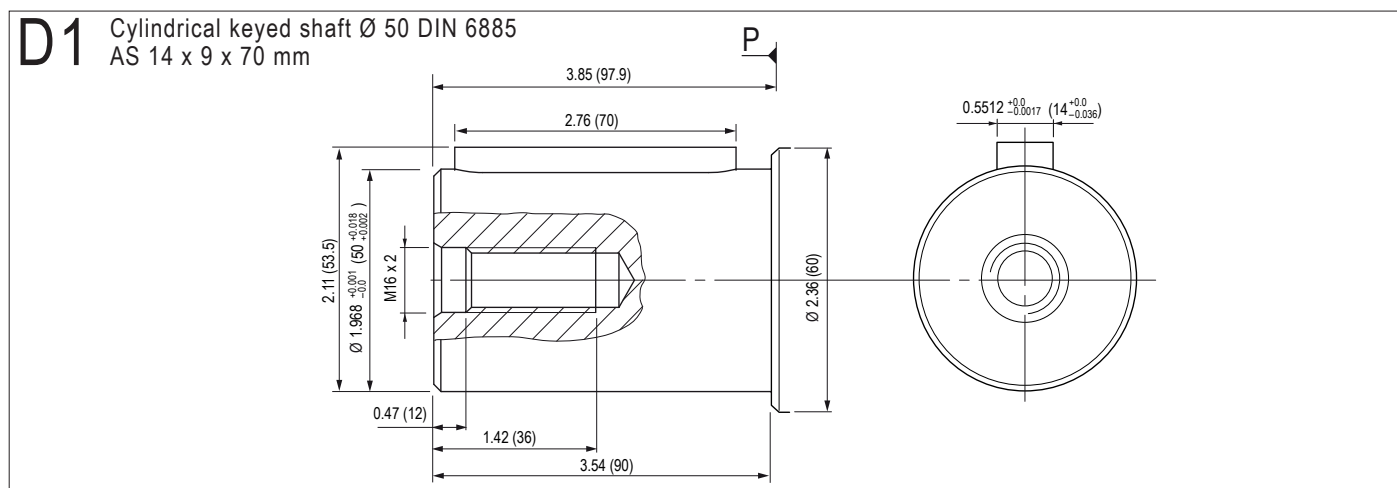
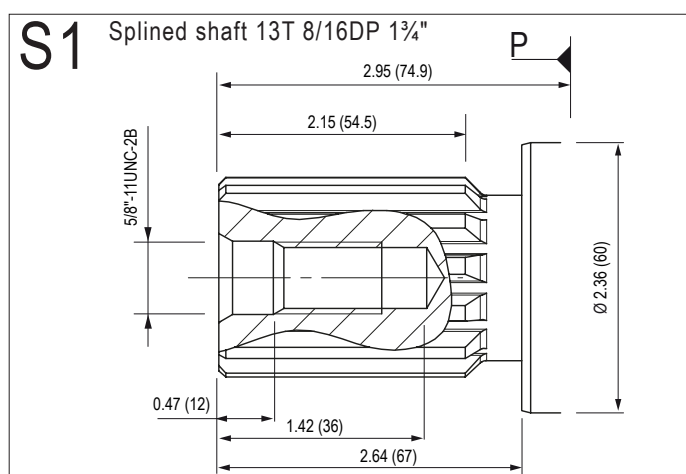
	MA 108R	MA 125
A	11.35 (288.4)	11.52 (292.7)
B	9.16 (232.7)	9.25 (235)
C	6.14 (156)	6.30 (159.9)
D	3.89 (98.9)	3.97 (100.8)



Dimensions in inches (mm) are given only as an indication.

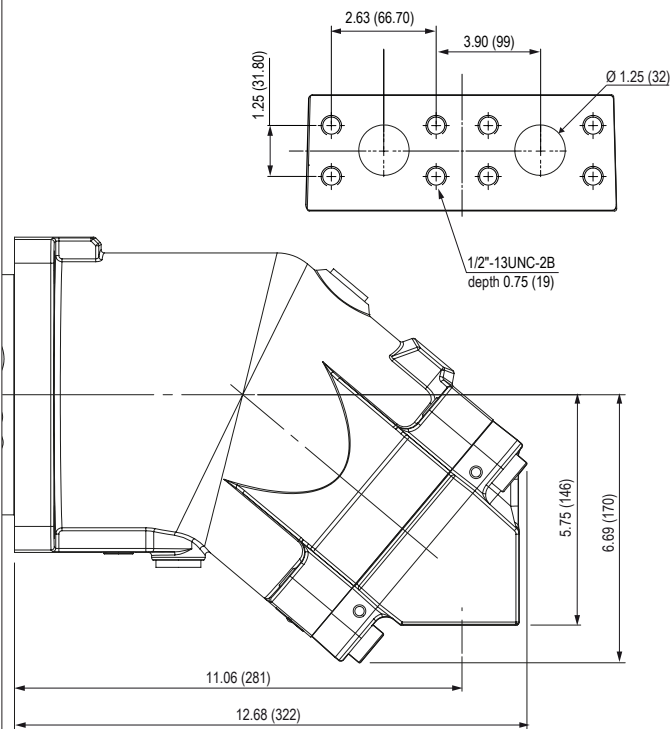


► Shaft end

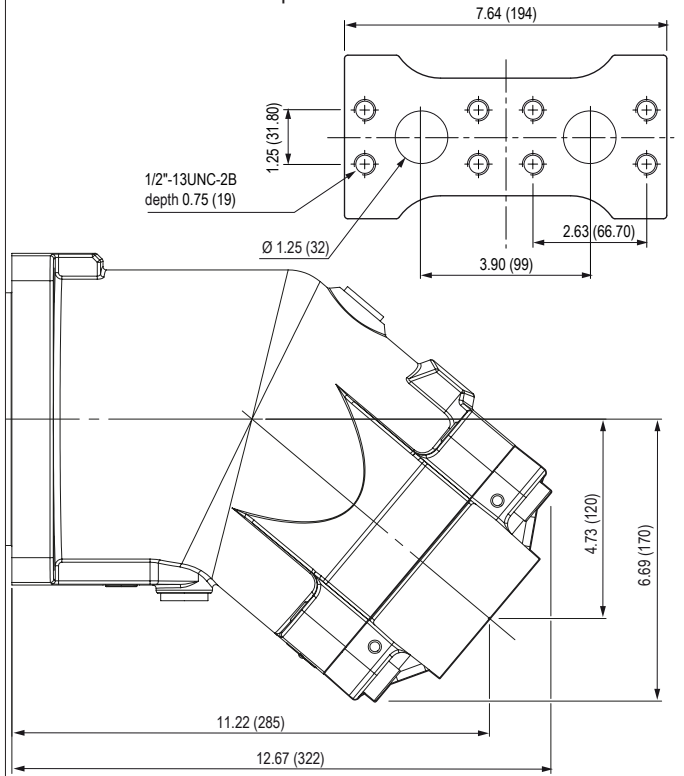


► Inlet ports

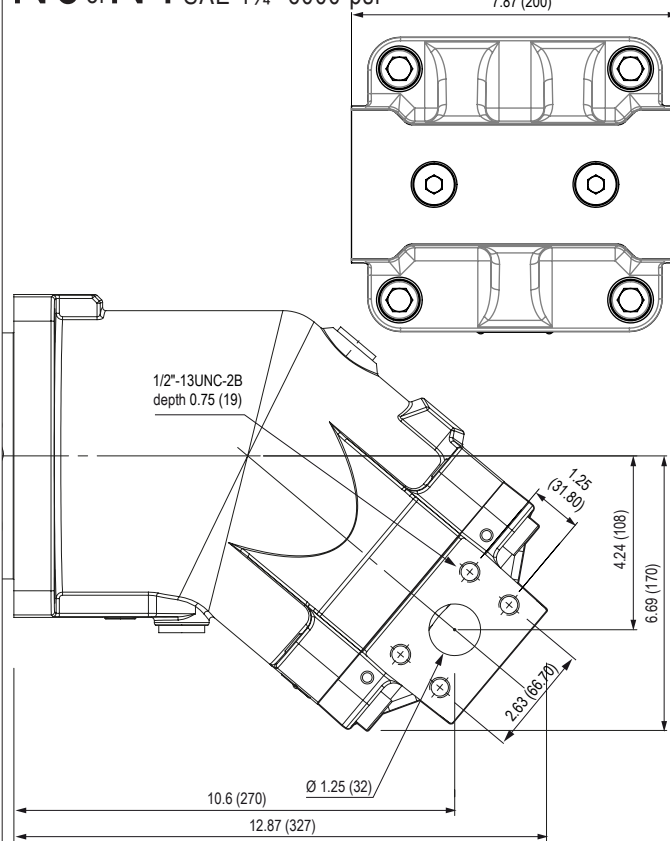
L0 SAE flange ports, bottom
SAE 1 1/4" 6000 psi



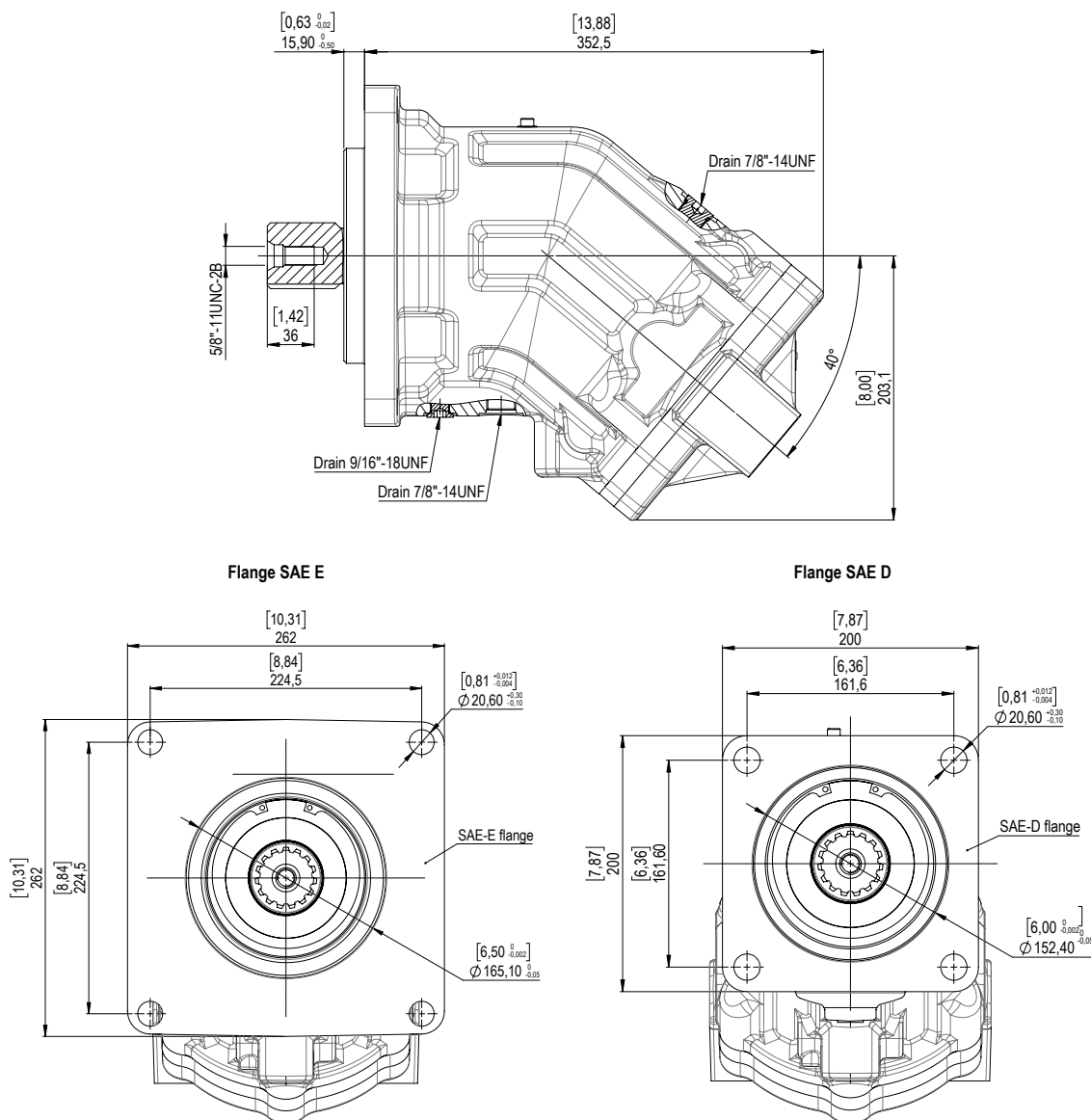
M0 SAE flange ports, rear
SAE 1 1/4" 6000 psi



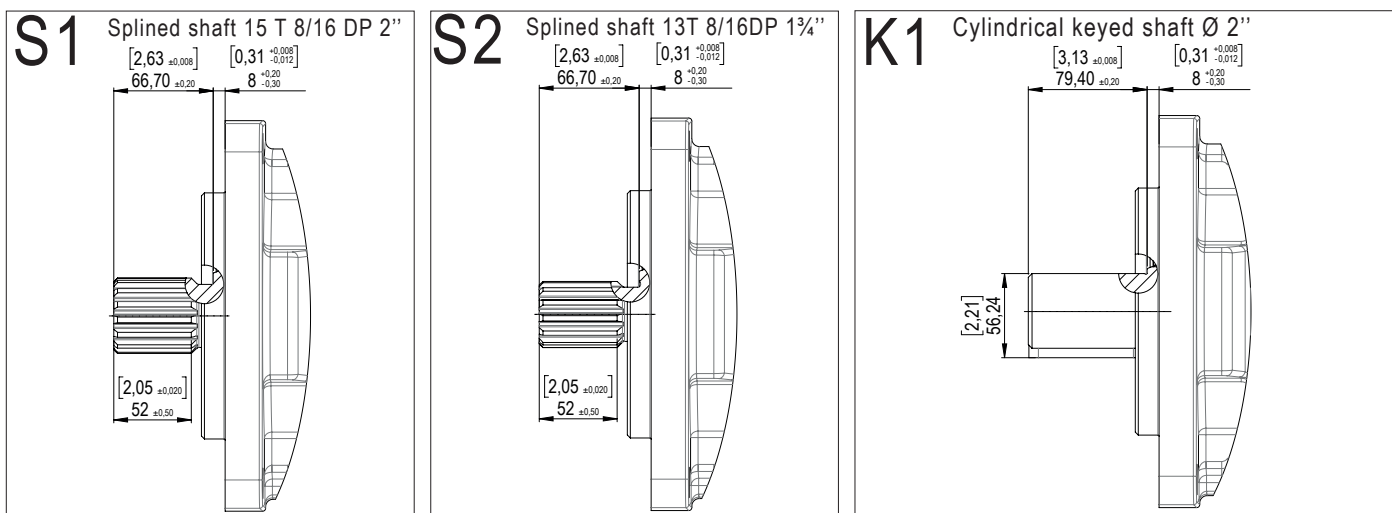
N0 or N1 SAE flange ports, side A and B
SAE 1 1/4" 6000 psi



Dimensions in inches (mm) are given only as an indication.



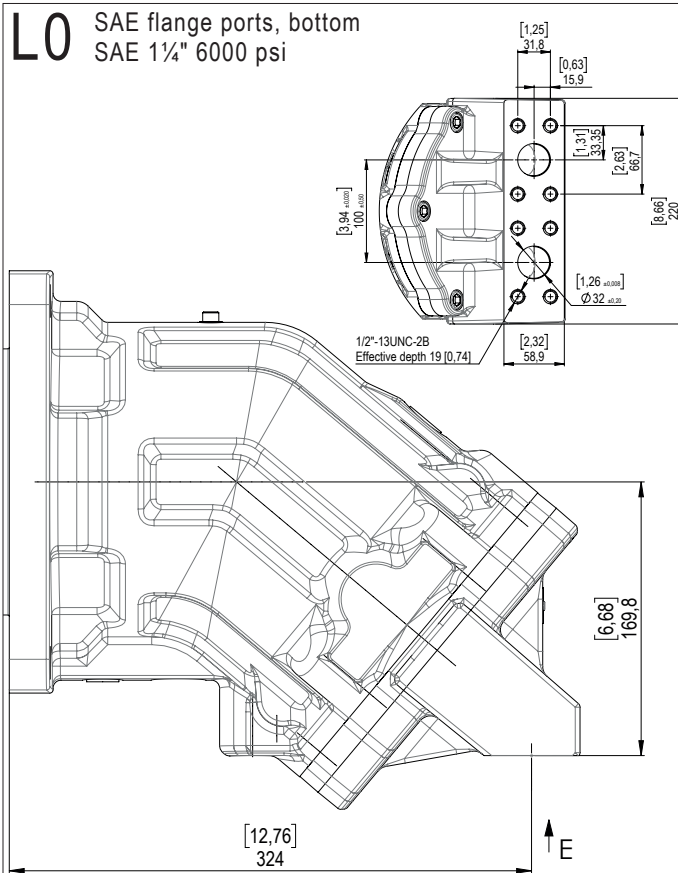
► Shaft end



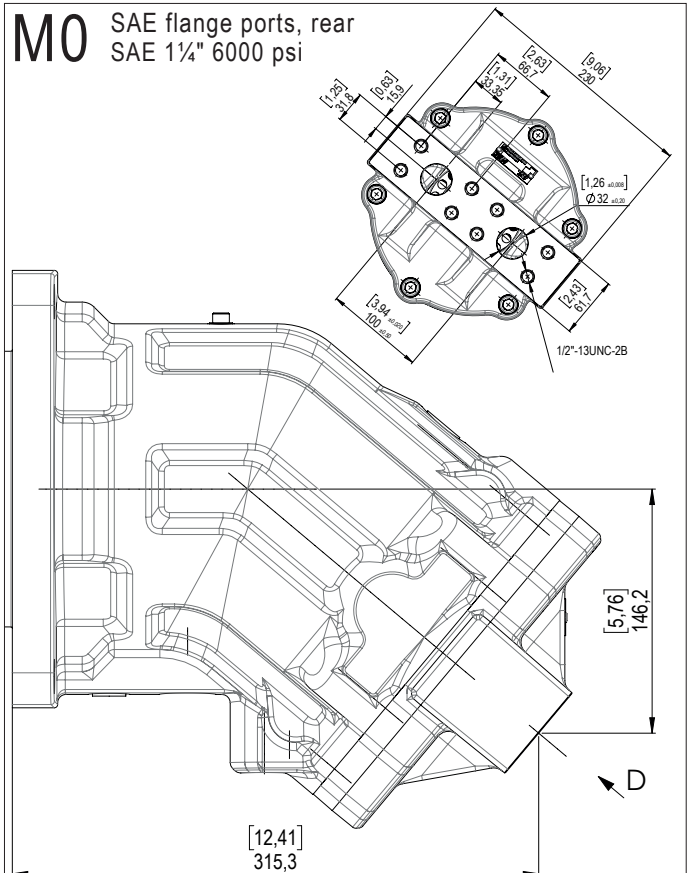
Dimensions in inches (mm) are given only as an indication.

Inlet ports

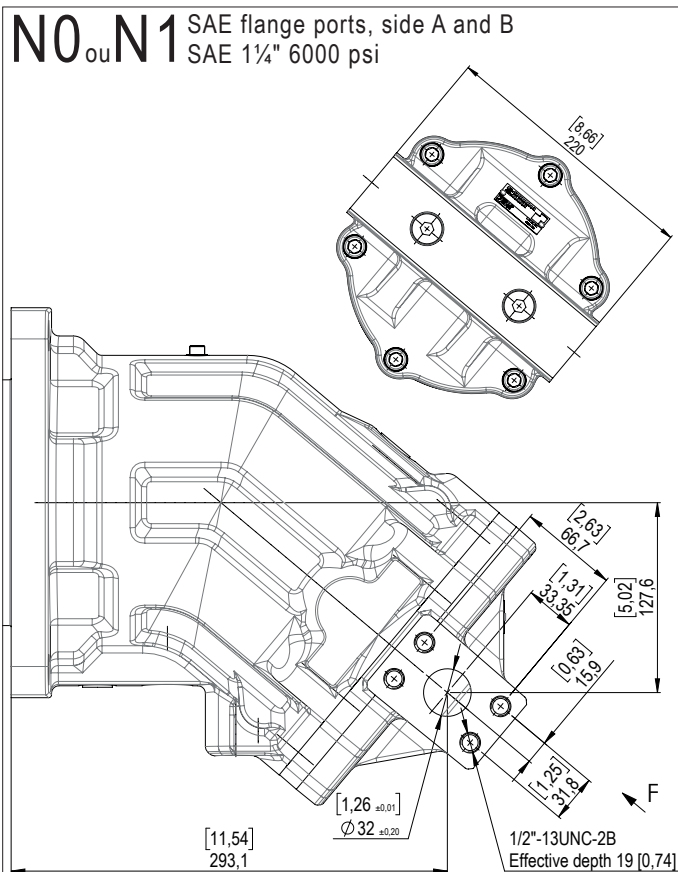
L0 SAE flange ports, bottom
SAE 1 1/4" 6000 psi



M0 SAE flange ports, rear
SAE 1 1/4" 6000 psi



N0 ou N1 SAE flange ports, side A and B
SAE 1 1/4" 6000 psi



Dimensions in inches (mm) are given only as an indication.