



**La serie SAP 012-108 SAE es una gama de bombas de pistón de carcasa ligera y desplazamiento fijo diseñadas para aplicaciones hidráulicas móviles de alta exigencia.**

La serie SAP 012-108 SAE abarca la gama de desplazamiento de 12-108 cm<sup>3</sup>/rev. a una presión máxima de 400 bares. Se trata de una bomba moderna y compacta que responde a las altas exigencias del mercado en cuanto a rendimiento, presión, eficiencia y dimensiones de instalación reducidas. La bomba se puede montar directamente en la toma de fuerza o en un soporte bastidor a través de un eje intermedio. Sunfab también ofrece una brida de dos taladros, la SAE B2 012-034.

**Otras ventajas:**

- Diseño con carcasa metálica ligera
- Funcionamiento óptimo en toda la gama de velocidades
- Larga vida útil gracias a altas exigencias para la elección de materiales como, por ejemplo, cojinetes, juntas, etc.
- Carcasa metálica resistente a la corrosión
- Menos generación de calor gracias a una mayor capacidad de disipación de calor a través de la carcasa

## Versiones, datos principales

Ejemplo

|       |   |   |     |   |   |   |   |     |   |     |   |    |   |   |   |    |
|-------|---|---|-----|---|---|---|---|-----|---|-----|---|----|---|---|---|----|
| SA    | P | - | 064 | L | - | N | - | SB4 | - | B13 | - | S0 | S | - | 0 | 00 |
| Línea | 1 |   | 2   | 3 |   | 4 |   | 5   |   | 6   |   | 7  | 8 |   | 9 | 10 |

|                          |     |                 |     |     |     |     |     |     |     |  |
|--------------------------|-----|-----------------|-----|-----|-----|-----|-----|-----|-----|--|
| Línea                    |     |                 |     |     |     |     |     |     |     |  |
| SA                       |     | Sunfab Aluminio |     |     |     |     |     |     |     |  |
| 1. Tipo                  |     |                 |     |     |     |     |     |     |     |  |
| P                        |     | Bombas          |     |     |     |     |     |     |     |  |
| 2. Desplazamiento        |     |                 |     |     |     |     |     |     |     |  |
| 012                      | 017 | 025             | 034 | 040 | 047 | 056 | 064 | 084 | 108 |  |
| 3. Dirección de rotación |     |                 |     |     |     |     |     |     |     |  |
| R                        |     | Derecha         |     |     |     |     |     |     |     |  |
| L                        |     | Izquierda       |     |     |     |     |     |     |     |  |
| 4. Sello del eje         |     |                 |     |     |     |     |     |     |     |  |
| N                        |     | Nitrilo         |     |     |     |     |     |     |     |  |
| V*                       |     | HNBR            |     |     |     |     |     |     |     |  |

|                       |                               |
|-----------------------|-------------------------------|
| 7. Tapa de conexiones |                               |
| S0                    | 40° Sunfab estandar           |
| 8. Conexiones         |                               |
| S                     | Sunfab estandar               |
| 9. Adicional          |                               |
| 0                     | -                             |
| 10. Accesorios        |                               |
| 00                    | No hay accesorios disponibles |

\*Puede soportar temperaturas más altas, por ejemplo en la toma de fuerza del motor. No disponible para 012-034.

|                     |        |     |     |     |     |     |     |     |     |     |     |
|---------------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5. Brida de montaje |        | 012 | 017 | 025 | 034 | 040 | 047 | 056 | 064 | 084 | 108 |
| SB2                 | SAE B2 | X   | X   | X   | X   | -   | -   | -   | -   | -   | -   |
| SB4                 | SAE B4 | X   | X   | X   | X   | X   | X   | X   | X   | -   | -   |
| SC4                 | SAE C4 | -   | -   | -   | -   | X   | X   | X   | X   | X*  | X*  |

\*SAP 084 y 108 tiene una brida adaptadora para SC4.

|        |           |     |     |     |     |     |     |     |     |     |     |
|--------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 6. Eje |           | 012 | 017 | 025 | 034 | 040 | 047 | 056 | 064 | 084 | 108 |
| B13*   | SAE B 13t | X   | X   | X   | X   | X   | X   | X   | X   | -   | -   |
| C14    | SAE C 14t | -   | -   | -   | -   | X   | X   | X   | X   | X   | X   |

Sólo con brida de montaje SB2/SB4

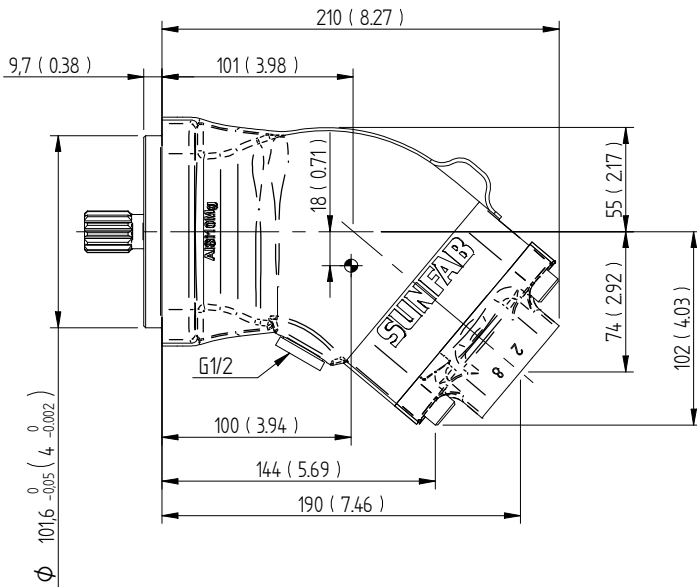
- = No disponible  
X = Estándar, recomendado

| SAP 012-108 SAE                                      | 012<br>SAE B | 017<br>SAE B | 025<br>SAE B | 034<br>SAE B | 040<br>SAE B | 040<br>SAE C | 047<br>SAE B | 047<br>SAE C | 056<br>SAE B | 056<br>SAE C | 064<br>SAE B | 064<br>SAE C | 084<br>SAE C | 108<br>SAE C |       |
|------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|
| Caudal de aceite teórico l/min. a velocidad de bomba |              |              |              |              |              |              |              |              |              |              |              |              |              |              |       |
| rpm                                                  | 500          | 6            | 9            | 13           | 17           | 21           | 21           | 24           | 24           | 28           | 28           | 32           | 32           | 42           | 54    |
|                                                      | 1000         | 13           | 17           | 25           | 34           | 41           | 41           | 47           | 47           | 57           | 57           | 64           | 64           | 84           | 108   |
|                                                      | 1500         | 19           | 26           | 38           | 51           | 62           | 62           | 71           | 71           | 85           | 85           | 95           | 95           | 125          | 162   |
| Desplazamiento                                       |              |              |              |              |              |              |              |              |              |              |              |              |              |              |       |
| cm³/rev                                              |              | 12.6         | 17.0         | 25.4         | 34.2         | 41.2         | 41.2         | 47.1         | 47.1         | 56.7         | 56.7         | 63.6         | 63.6         | 83.6         | 108.0 |
| Velocidad máxima de la bomba                         |              |              |              |              |              |              |              |              |              |              |              |              |              |              |       |
| continua                                             | rpm          | 2300         | 2300         | 2300         | 2300         | 1900         | 1900         | 1900         | 1900         | 1900         | 1900         | 1900         | 1900         | 1600         | 1600  |
| intermitente                                         |              | 3000         | 3000         | 3000         | 3000         | 2500         | 2500         | 2500         | 2500         | 2500         | 2500         | 2500         | 2500         | 2100         | 2100  |
| Presión de funcionamiento máxima                     |              |              |              |              |              |              |              |              |              |              |              |              |              |              |       |
| bar                                                  |              | 400          | 400          | 400          | 400          | 400          | 400          | 400          | 400          | 400          | 400          | 350          | 400          | 400          | 400   |
| Peso                                                 |              |              |              |              |              |              |              |              |              |              |              |              |              |              |       |
| kg                                                   |              | 7.3          | 7.3          | 7.5          | 7.4          | 9.7          | 10.4         | 9.7          | 10.4         | 9.2          | 9.9          | 9.6          | 10.3         | 16.2         | 15.9  |
| Par equivalente al peso (M)                          |              |              |              |              |              |              |              |              |              |              |              |              |              |              |       |
| Nm                                                   |              | 7.2          | 7.2          | 7.4          | 7.3          | 10.2         | 10.9         | 10.2         | 10.9         | 9.7          | 10.4         | 10.1         | 10.8         | 22.3         | 21.9  |
| Dirección de rotación                                |              |              |              |              |              |              |              |              |              |              |              |              |              |              |       |
| L (izquierda) o R (derecha)                          |              |              |              |              |              |              |              |              |              |              |              |              |              |              |       |

# Dimensions SAP 012-034 SAE

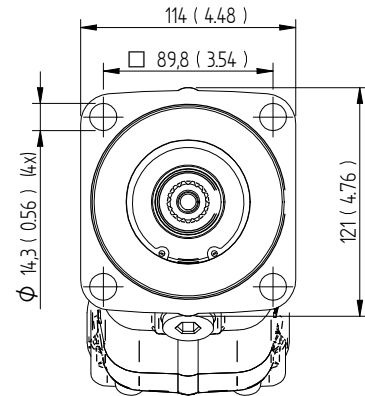
Millimeter (inch)

## SB4 / SB2 SAE J744

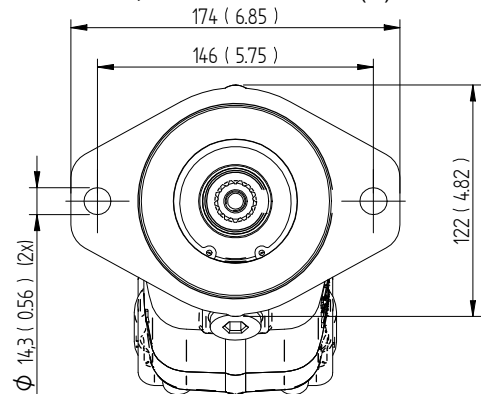


Center of gravity

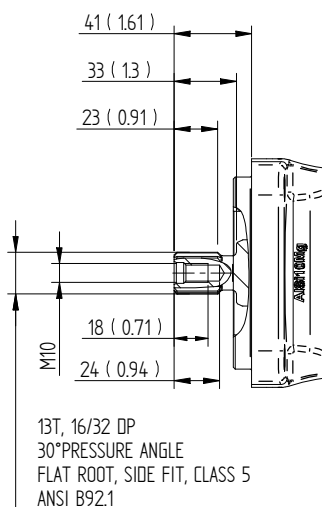
**SB4** SAE J744, ID. CODE: 101-4 (B)



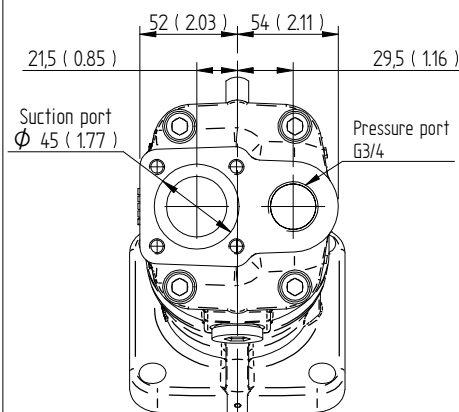
**SB2** SAE J744, ID. CODE: 101-2 (B)



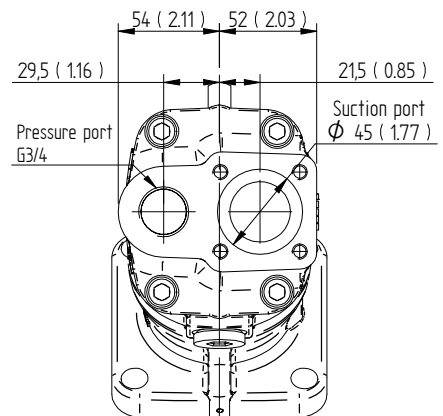
**B13** SAE J744, ID. CODE: 22-4 (B)



### SOS LEFT ROTATION (L)



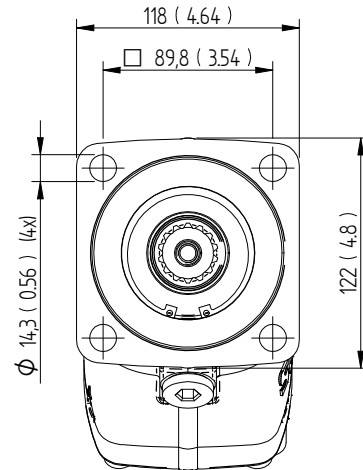
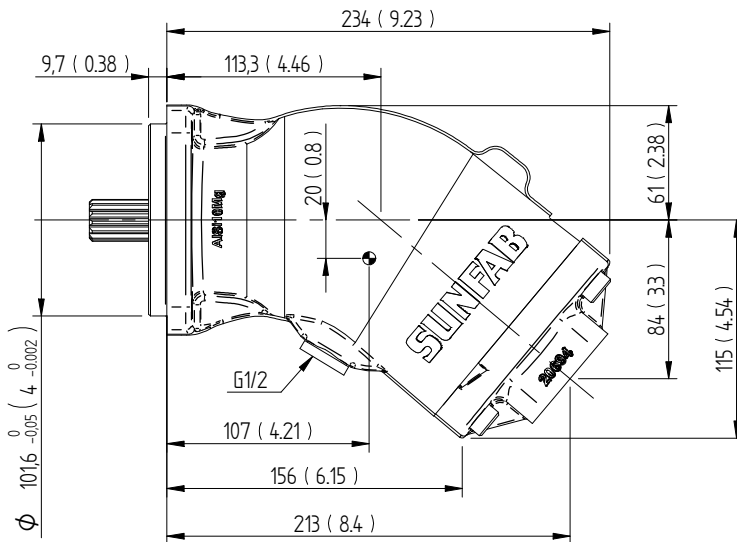
### SOS RIGHT ROTATION (R)



# Dimensions SAP 040-064 SAE

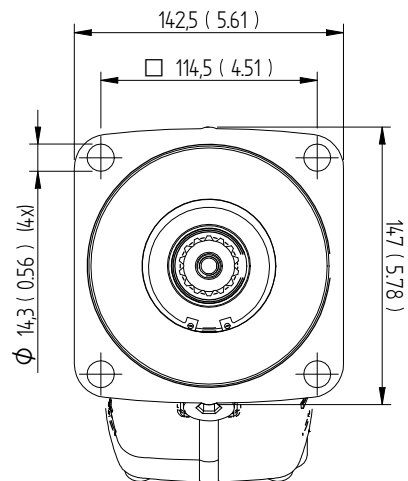
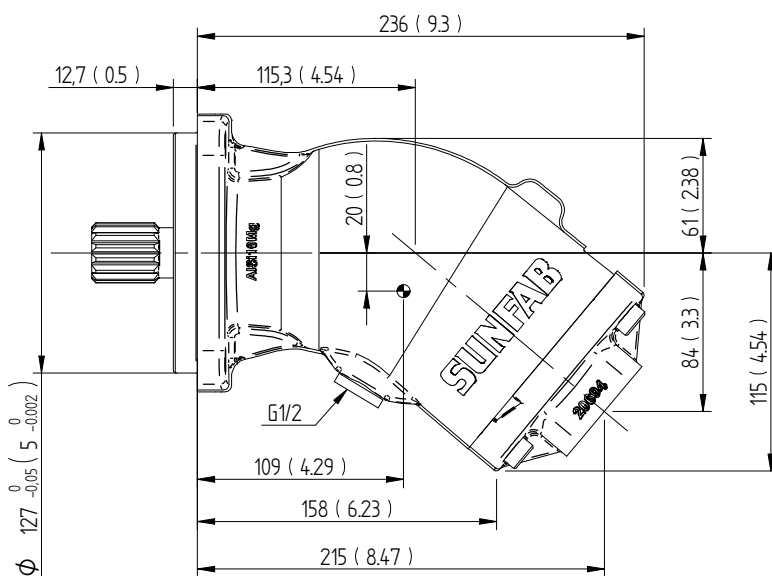
Millimeter (inch)

## SB4 SAE J744, ID. CODE: 101-4 (B)



Center of gravity

## SC4 SAE J744, ID. CODE: 127-4 (C)



Center of gravity

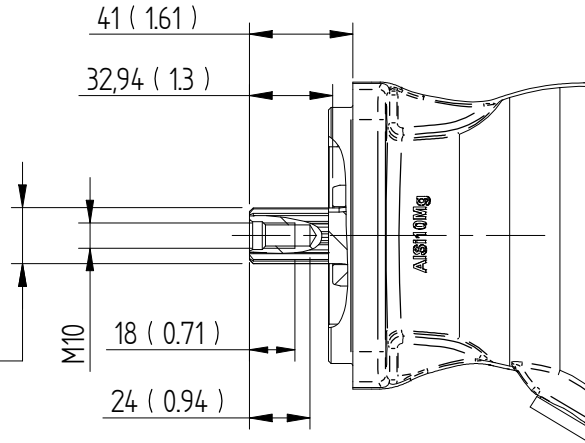
# Dimensions SAP 040-064 SAE

## Flange & Connection cover

Millimeter (inch)

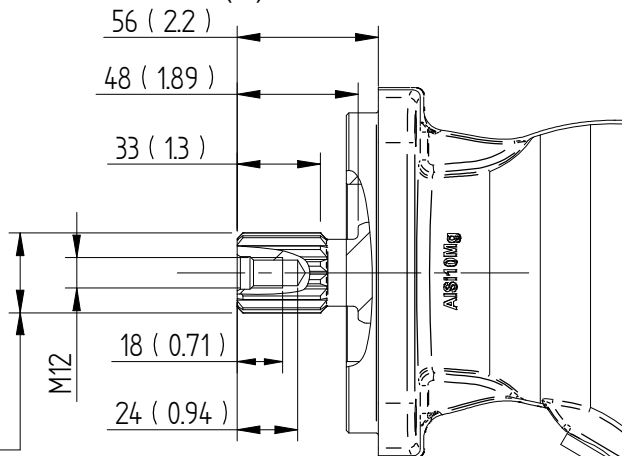
### SB4 B13 SAE J744, ID. CODE: 22-4 (B)

13T-16/32 DP  
30° PRESSURE ANGLE  
FLAT ROOT, SIDE FIT, CLASS 5  
ANSI B92.1

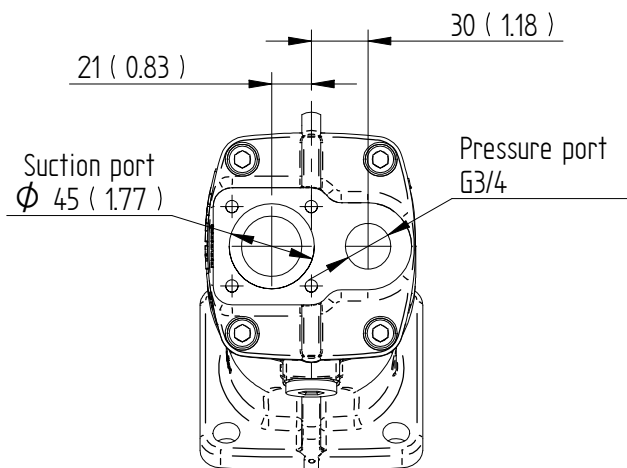


### SC4 C14 SAE J744, ID. CODE: 32-4 (C)

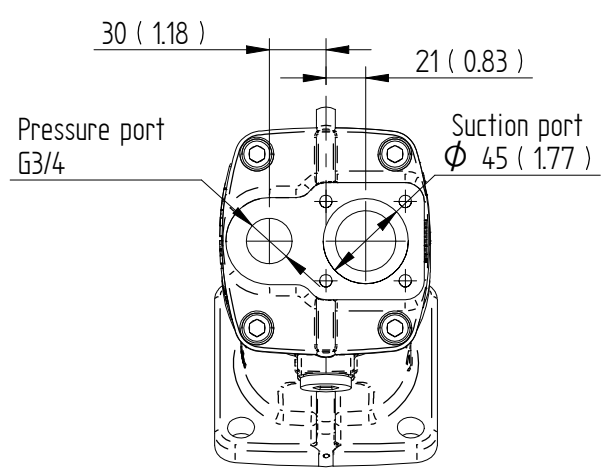
14T-12/24 DP  
30° PRESSURE ANGLE  
FLAT ROOT, SIDE FIT, CLASS 5  
ANSI B92.1



### S0S LEFT ROTATION (L)



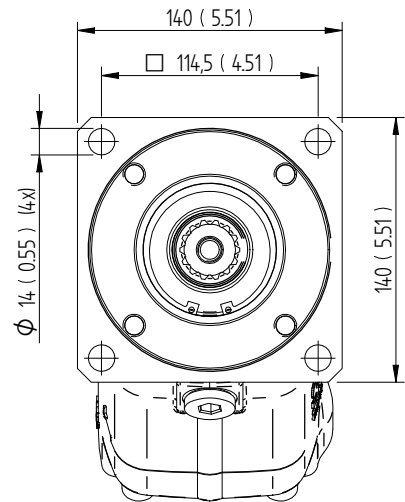
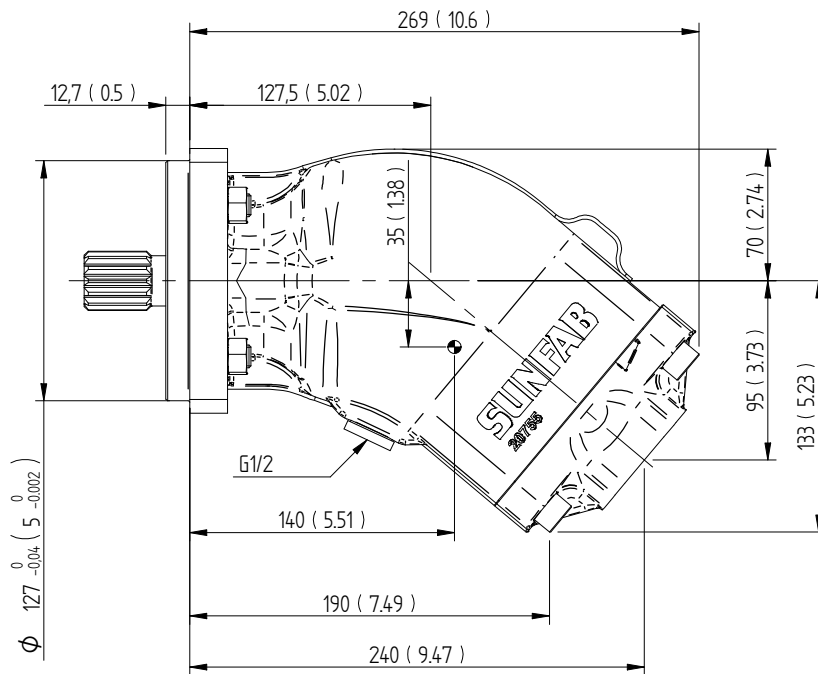
### S0S RIGHT ROTATION (R)



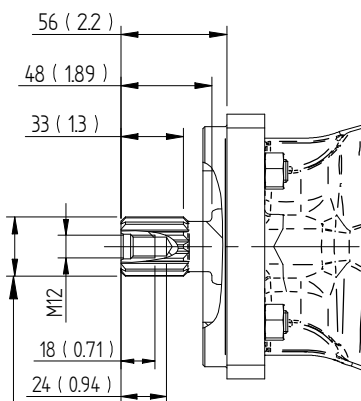
## Dimensions SAP 084-108 SAE

Millimeter (inch)

**SC4 SAE J744, ID. CODE: 127-4 (C)**

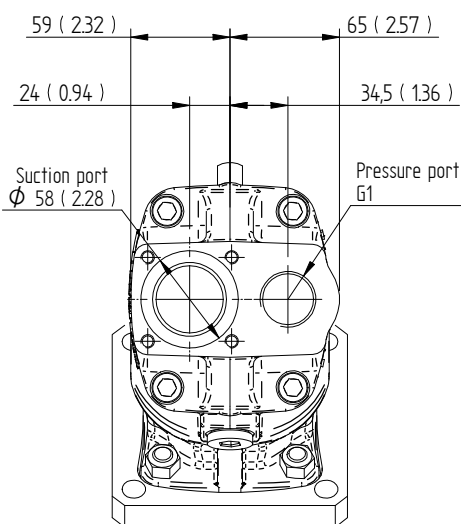
 Center of gravity

**C14** SAE J744, ID. CODE: 32-4 (C)

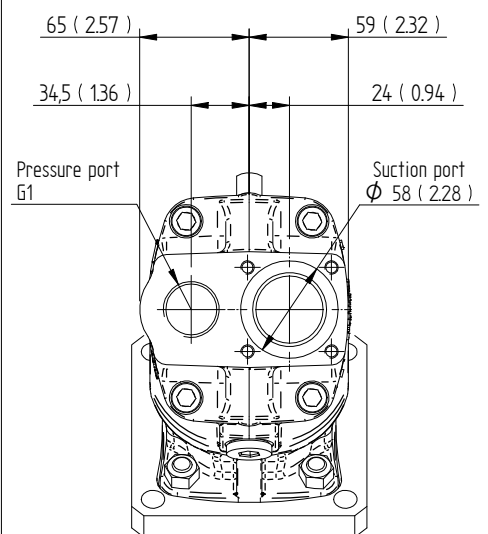


14T-12/24 DP  
30° PRESSURE ANGLE  
FLAT ROOT, SIDE FIT, CLASS 5  
ANSI B92.1

### S0S LEFT ROTATION (L)



## SOS RIGHT ROTATION (R)





## ADVERTENCIA!

Con la bomba en funcionamiento:

1. No toque la manguera de presión
2. Tenga cuidado con las piezas giratorias
3. La bomba y las mangueras pueden alcanzar altas temperaturas

Sunfab se reserva el derecho de hacer cambios en diseño y dimensiones sin aviso. Reservado los errores en impresión.

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