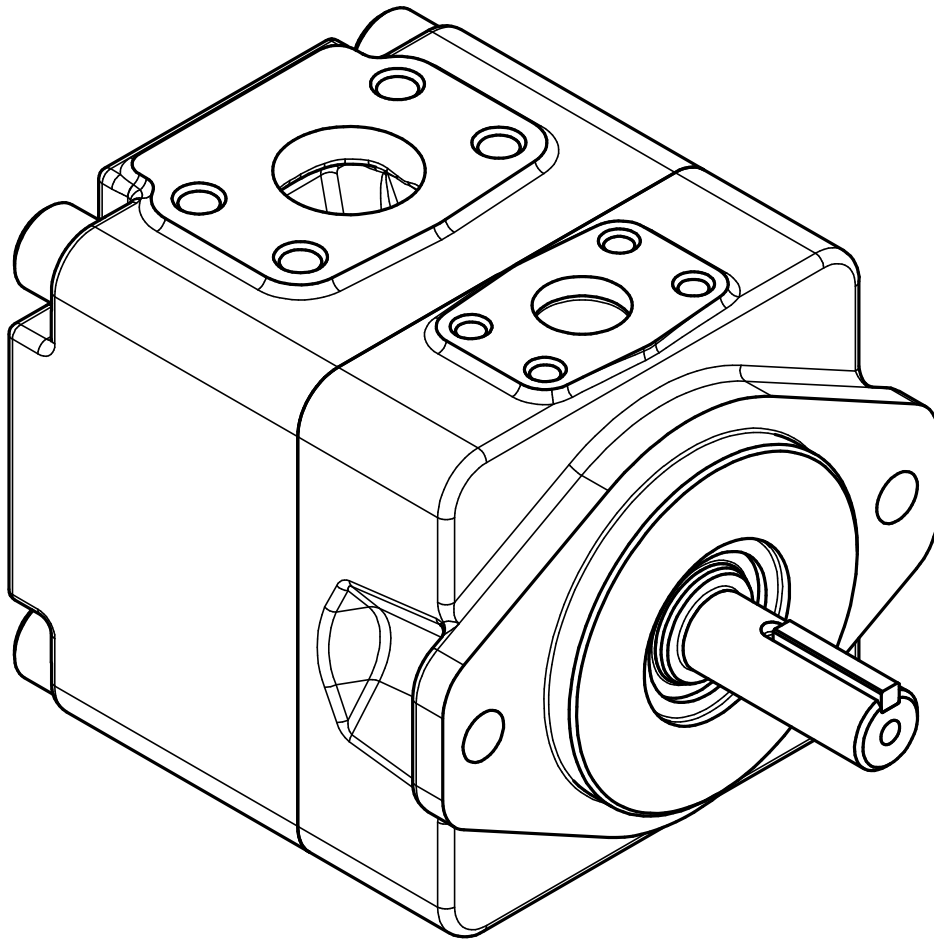




# Hydraulic Pumps - Service Information

## T7B - T7BS

Denison Vane Technology



ENGINEERING YOUR SUCCESS.

Model No. **T7B or T7BS - B10 - 1 R 00 - A 1 - M0 - ..**

**T7B series - 100 A2 HW**  
ISO 2 bolts 3019-2 mounting flange  
**T7BS series - SAE B 2 bolts**  
J744 mounting flange

**Displacement**  
Volumetric displacement (ml/rev.)  
B02 = 5,8      B07 = 22,5      B11 = 35,0  
B03 = 9,8      B08 = 24,9      B12 = 41,0  
B04 = 12,8      B09 = 28,0      B14 = 45,0  
B05 = 15,9      B10 = 31,8      B15 = 50,0  
B06 = 19,8

**Type of shaft T7B - T7BS**  
2 = keyed (ISO R775)

**Type of shaft T7BS**  
1 = keyed (SAE B) Ø 22,2  
3 = splined (SAE B) 13 teeth  
4 = splined (SAE BB) 15 teeth

**Direction of rotation (shaft end view)**  
R = Clockwise  
L = Counter-clockwise

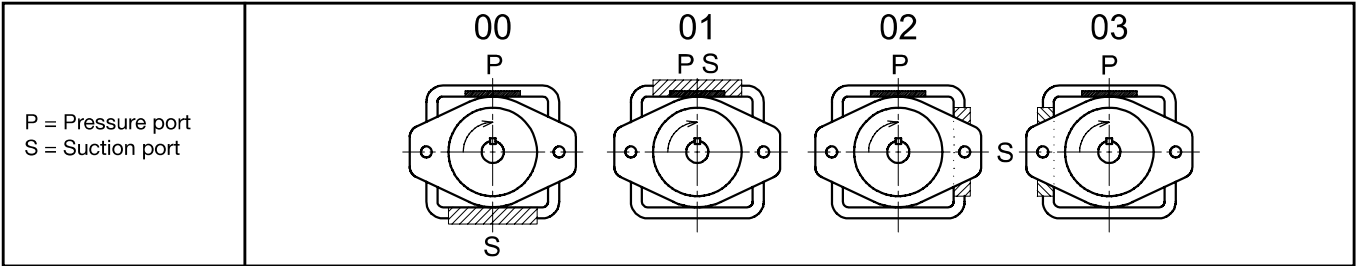
**Modifications**  
**Mounting w/connection variables**  
4 bolts SAE flange J518

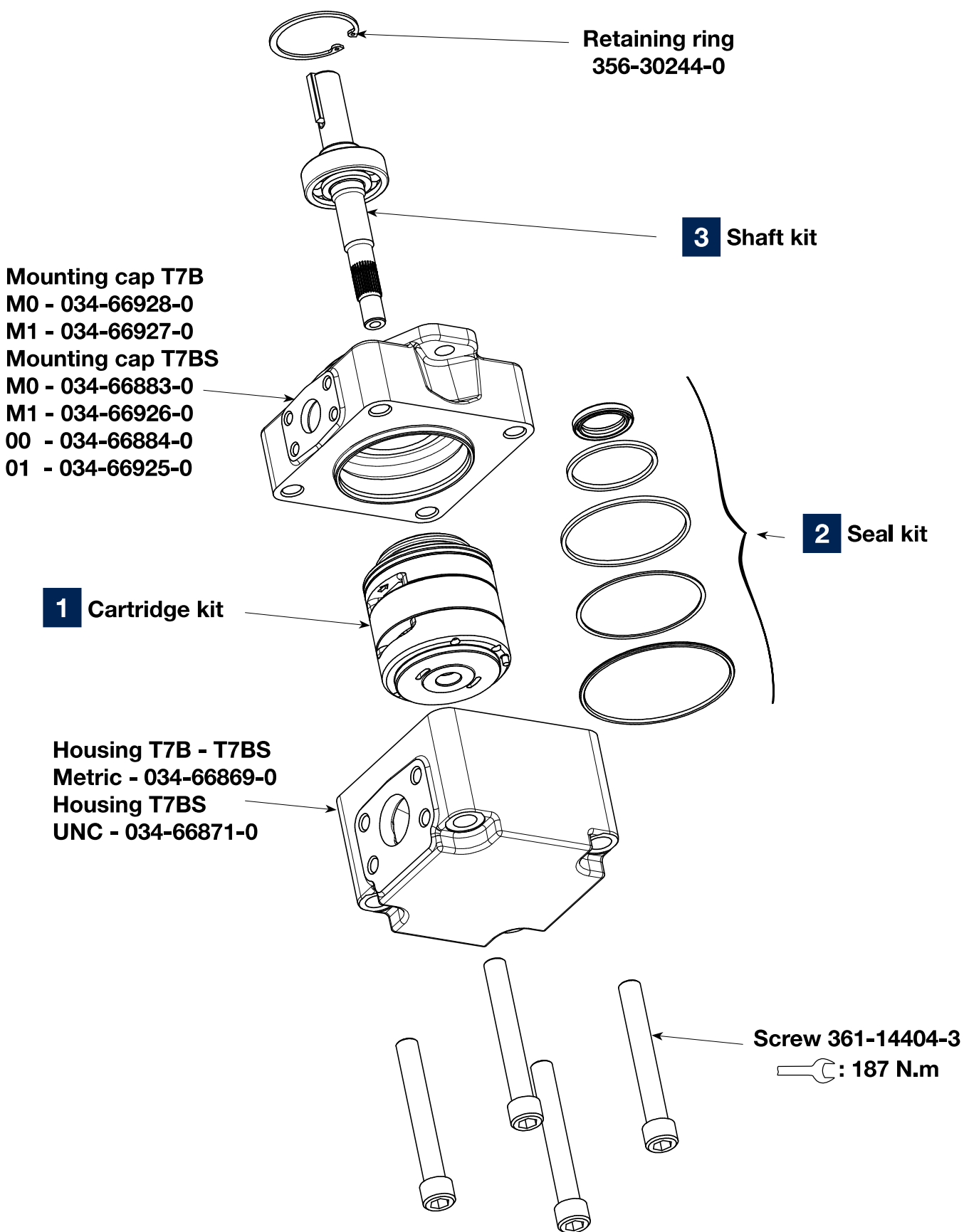
|      | Metric thread |      | UNC thread |      |
|------|---------------|------|------------|------|
| P    | 1"            | 3/4" | 1"         | 3/4" |
| S    | 1.1/2"        |      |            |      |
| T7B  | M0            | M1   |            |      |
| T7BS | M0            | M1   | 00         | 01   |

**Seal class**  
1 = S1 BUNA N - 0,7 bar max. (for mineral oil)  
4 = S4 EPDM - 0,7 bar max. (for fire resistant fluids)  
5 = S5 VITON® - 0,7 bar max. (for mineral oil and fire resistant fluids)

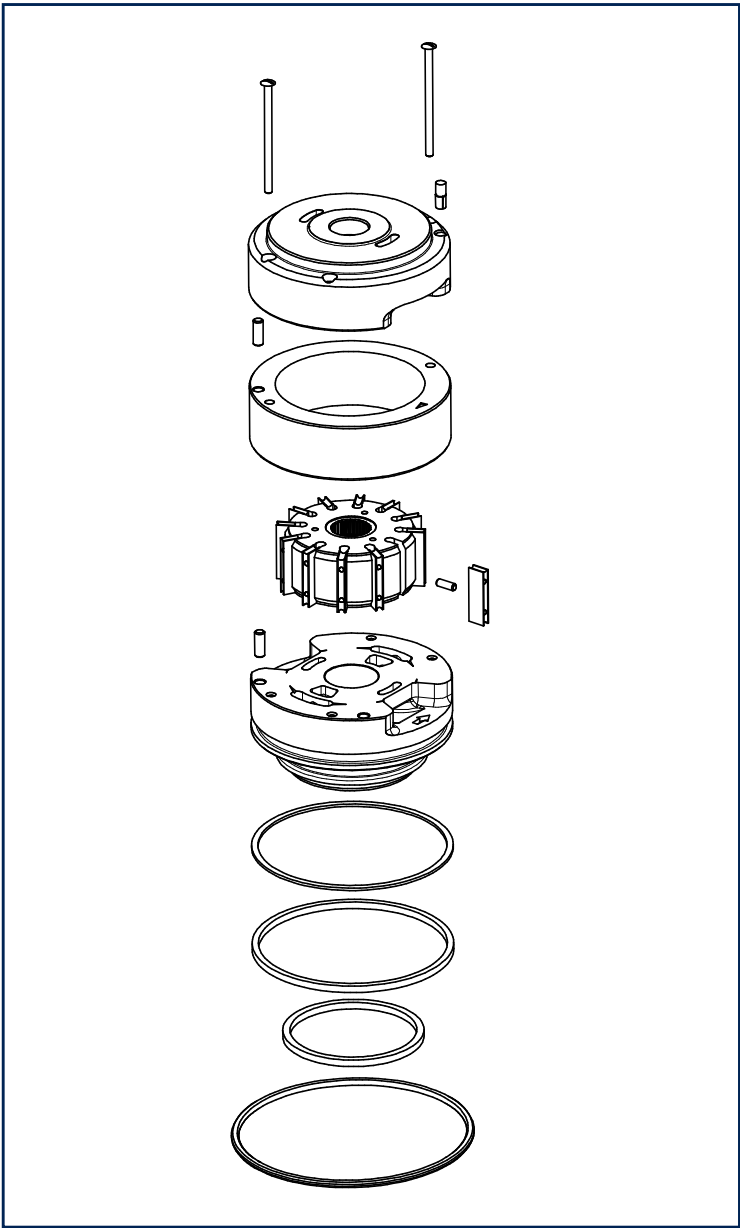
**Design letter**  
**Porting combination**  
00 = standard

Position of the ports





1 Cartridge kit (Preferred)



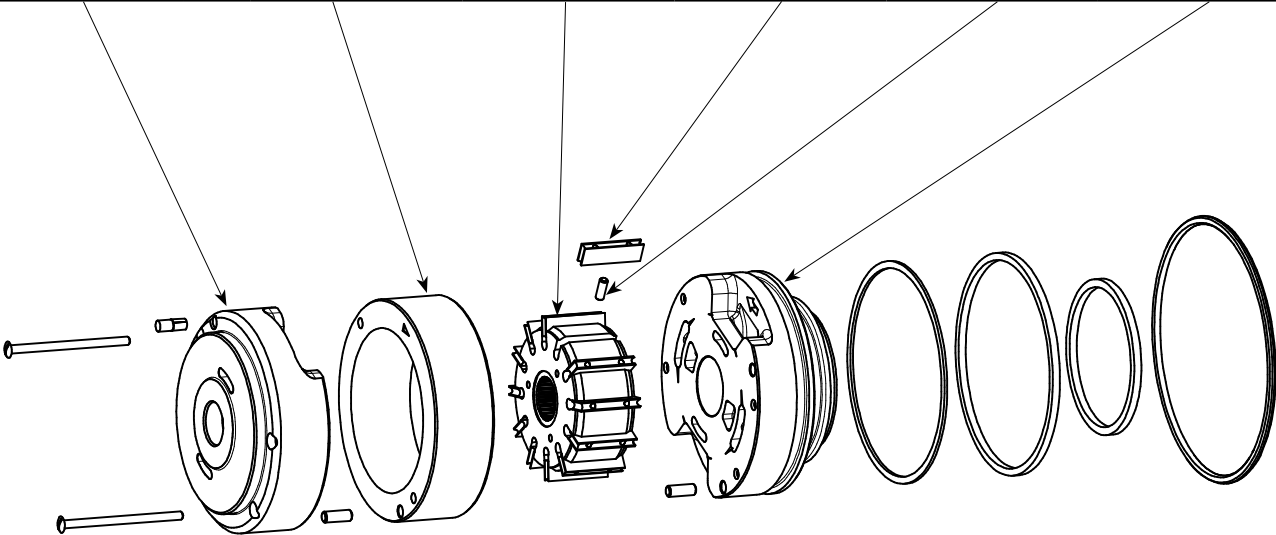
T7B - T7BS - B\*\* - \* \* \* \* - \* \* - \*\*

| Cartridge kit | Code N°     |             |
|---------------|-------------|-------------|
| Displacement  | R (CW)      | L (CCW)     |
| B02           | S24-50144-* | S24-50145-* |
| B03           | S24-50146-* | S24-50147-* |
| B04           | S24-50148-* | S24-50149-* |
| B05           | S24-50150-* | S24-50151-* |
| B06           | S24-50152-* | S24-50153-* |
| B07           | S24-59970-* | S24-59971-* |
| B08           | S24-50154-* | S24-50155-* |
| B09           | S24-77219-* | S24-77220-* |
| B10           | S24-50156-* | S24-50157-* |
| B11           | S24-77221-* | S24-77223-* |
| B12           | S24-59005-* | S24-59006-* |
| B14           | S24-72881-* | S24-77224-* |
| B15           | S24-59007-* | S24-59008-* |

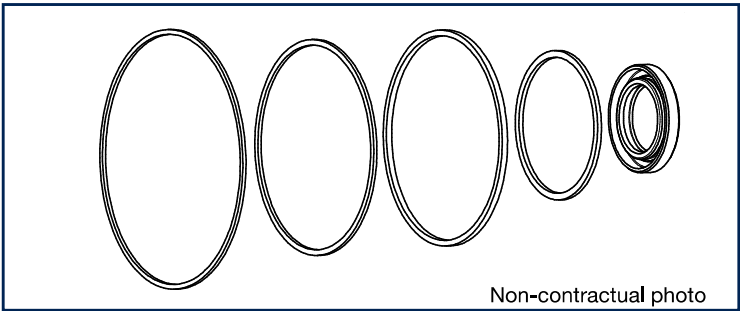
\* = 0 = S1 BUNA N  
\* = 4 = S4 EPDM  
\* = 5 = S5 VITON®

Cartridge loose items

| 1 x         | 1 x |             | 1 x         | 12 x        | 12 x        | 1 x         |
|-------------|-----|-------------|-------------|-------------|-------------|-------------|
| S24-49791-0 | 002 | 034-66909-0 | S24-49820-0 | 034-66917-0 | 034-66991-0 | 034-66923-0 |
|             | 003 | 034-66910-0 |             |             |             |             |
|             | 004 | 034-66911-0 |             |             |             |             |
|             | 005 | 034-66912-0 |             |             |             |             |
|             | 006 | 034-66913-0 |             |             |             |             |
|             | 007 | 034-67063-0 |             |             |             |             |
|             | 008 | 034-66914-0 |             |             |             |             |
|             | 009 | 034-67383-0 |             |             |             |             |
|             | 010 | 034-66915-0 |             |             |             |             |
|             | 011 | 034-67461-0 |             |             |             |             |
|             | 012 | 034-67032-0 |             |             |             |             |
|             | 014 | 034-67409-0 |             |             |             |             |
|             | 015 | 034-67034-0 |             |             |             |             |

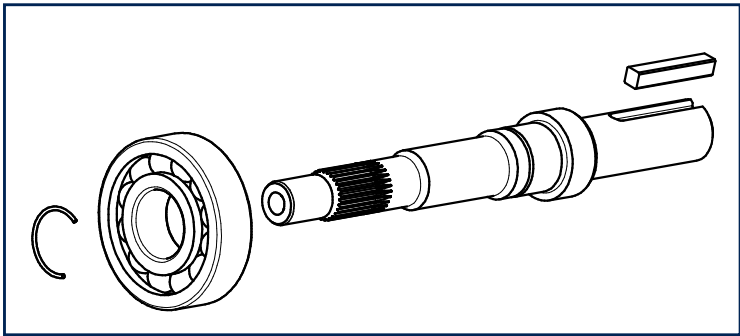


2 Seal kit

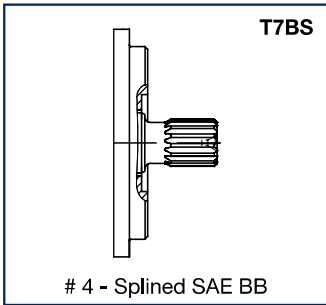
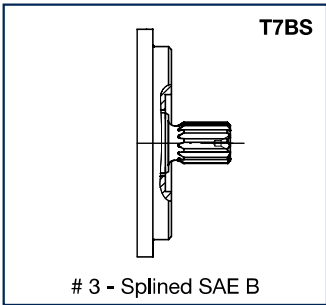
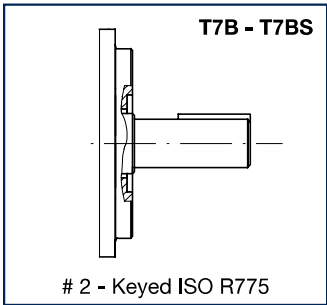
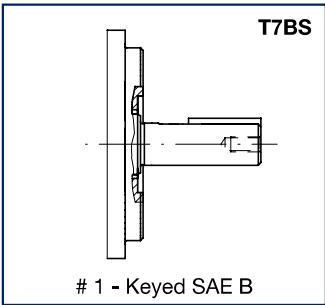


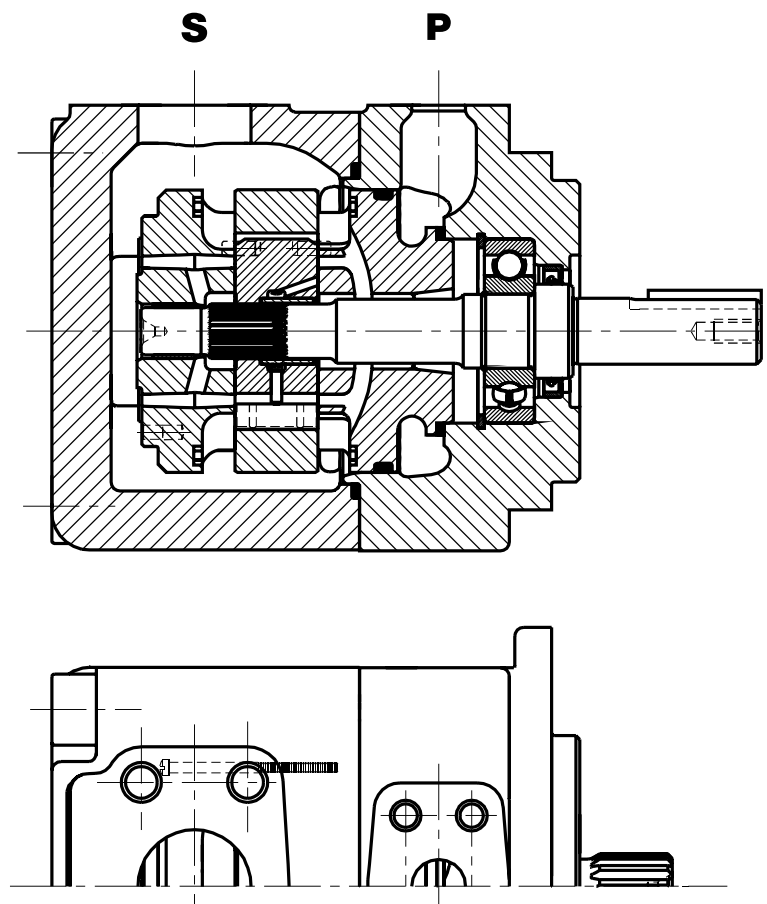
| Seal kit                          | Code N°     |
|-----------------------------------|-------------|
| T7B - T7BS - *** - *** - * 1 - ** | S24-49112-0 |
| T7B - T7BS - *** - *** - * 4 - ** | S24-49112-4 |
| T7B - T7BS - *** - *** - * 5 - ** | S24-49112-5 |

3 Shaft kit



| Shaft kit                         | Code N°     |
|-----------------------------------|-------------|
| T7BS - *** - 1 *** - * - **       | S24-50140-0 |
| T7B - T7BS - *** - 2 *** - * - ** | S24-50142-0 |
| T7BS - *** - 3 *** - * - **       | S24-50141-0 |
| T7BS - *** - 4 *** - * - **       | S24-59295-0 |





## WARNING – USER RESPONSIBILITY

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