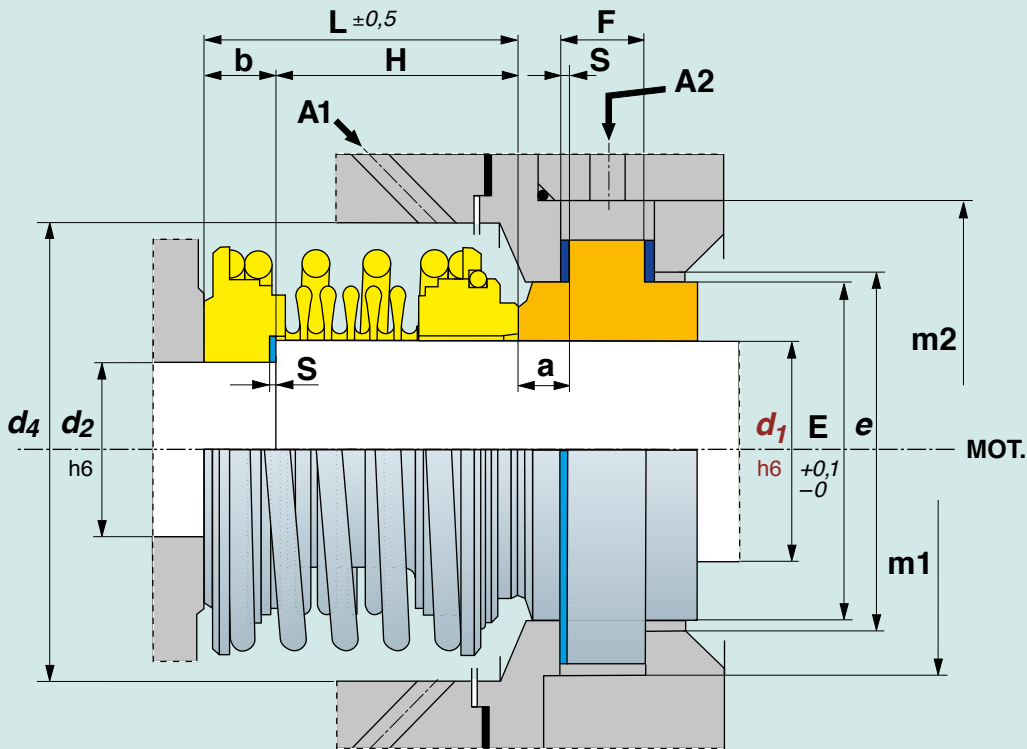


TYPE RF



A1: Delivery pumped fluid recirculation, cooled or heated [API 682, plan 11, 12, 21, 22, 31, 41].

A2: Cooling or heating of the clamped stationary seat [API 682, symbol C, Q].

| ROTEN | | | | | | | | | | | | |
|---------|-------|----|----|----|----|------|---|-----|-------|-------|-------|-------|
| TYPE RF | | | | | | | | | | | | |
| d_1 | d_2 | L | H | b | E | F | a | S | e | m_1 | m_2 | d_4 |
| 18 | 12 | 32 | 25 | 7 | 36 | 9 | 5 | 1 | 37,6 | 47,6 | 56 | 48 |
| 20 | 14 | 34 | 27 | 7 | 36 | 10 | 6 | 1 | 37,6 | 47,6 | 56 | 48 |
| 22 | 16 | 38 | 29 | 9 | 39 | 10 | 6 | 1 | 40,6 | 50,6 | 59 | 52 |
| 24 | 16 | 40 | 31 | 9 | 39 | 10 | 6 | 1 | 40,6 | 50,6 | 59 | 52 |
| 25 | 18 | 40 | 31 | 9 | 42 | 10 | 6 | 1 | 43,6 | 53,6 | 62 | 52 |
| 28 | 20 | 43 | 32 | 11 | 46 | 12 | 7 | 1 | 48 | 60 | 70 | 65 |
| 30 | 24 | 43 | 32 | 11 | 46 | 12 | 7 | 1 | 48 | 60 | 70 | 65 |
| 32 | 26 | 47 | 34 | 13 | 50 | 12 | 7 | 1 | 52 | 65 | 76 | 70 |
| 35 | 28 | 47 | 34 | 13 | 53 | 12 | 7 | 1 | 55 | 68 | 79 | 70 |
| 38 | 30 | 48 | 34 | 14 | 56 | 13 | 9 | 1 | 58 | 71 | 82 | 80 |
| 40 | 32 | 50 | 35 | 15 | 63 | 13 | 9 | 1 | 65 | 78 | 89 | 90 |
| 42 | 33 | 50 | 35 | 15 | 63 | 13 | 9 | 1 | 65 | 78 | 89 | 90 |
| 45 | 35 | 50 | 35 | 15 | 66 | 13 | 9 | 1 | 68 | 81 | 92 | 90 |
| 48 | 40 | 55 | 40 | 15 | 69 | 13 | 9 | 1 | 71 | 84 | 95 | 100 |
| 50 | 40 | 55 | 40 | 15 | 72 | 13 | 9 | 1 | 74 | 87 | 101 | 100 |
| 55 | 45 | 55 | 37 | 18 | 82 | 15,5 | 9 | 1,5 | 84,4 | 100,4 | 114 | 100 |
| 60 | 50 | 55 | 37 | 18 | 85 | 15,5 | 9 | 1,5 | 87,4 | 103,4 | 117 | 120 |
| 65 | 55 | 60 | 40 | 20 | 91 | 15,5 | 9 | 1,5 | 93,4 | 109,4 | 124 | 120 |
| 70 | 60 | 65 | 45 | 20 | 95 | 15,5 | 9 | 1,5 | 97,4 | 113,4 | 127 | 130 |
| 75 | 65 | 65 | 45 | 20 | 99 | 15,5 | 9 | 1,5 | 101,4 | 117,4 | 131 | 130 |

Dimensions in mm.
On request, the dimension d_2 can be adjusted to the customer need.



A metal bellow type seal suitable for very high or very low temperatures and other applications where elastomer or PTFE gaskets could cause problems.

MAX. WORKING CONDITIONS

These depend on: \varnothing shaft, pressure, speed, temperature and fluid to be sealed.

$p \leq 8 \text{ bar}$
 $t = -70 \div 350^\circ\text{C}$
 $v \leq 10 \text{ m/s}$

| COMPONENTS | MATERIALS STANDARD |
|----------------------|--------------------|
| Metallic parts | X1 |
| Rotary seal ring | X3 J1 |
| Stationary seal ring | X3 V1 V2 V3 |
| Gaskets | A1 C1 |

NB: To ensure the flatness of the lapped stationary ring, particular care must be taken with the locking screws on the gland plate. The number of screws is dependent on the seal size and cannot be less than : 4 till $\varnothing 20$, 6 till $\varnothing 28$, 8 till $\varnothing 60$ and 12 till $\varnothing 75$. Also the screws must be tightened evenly to avoid distortion of the stationary ring. **The cooling circuits shown in the two drawings must be used according to the requirements of the application.**