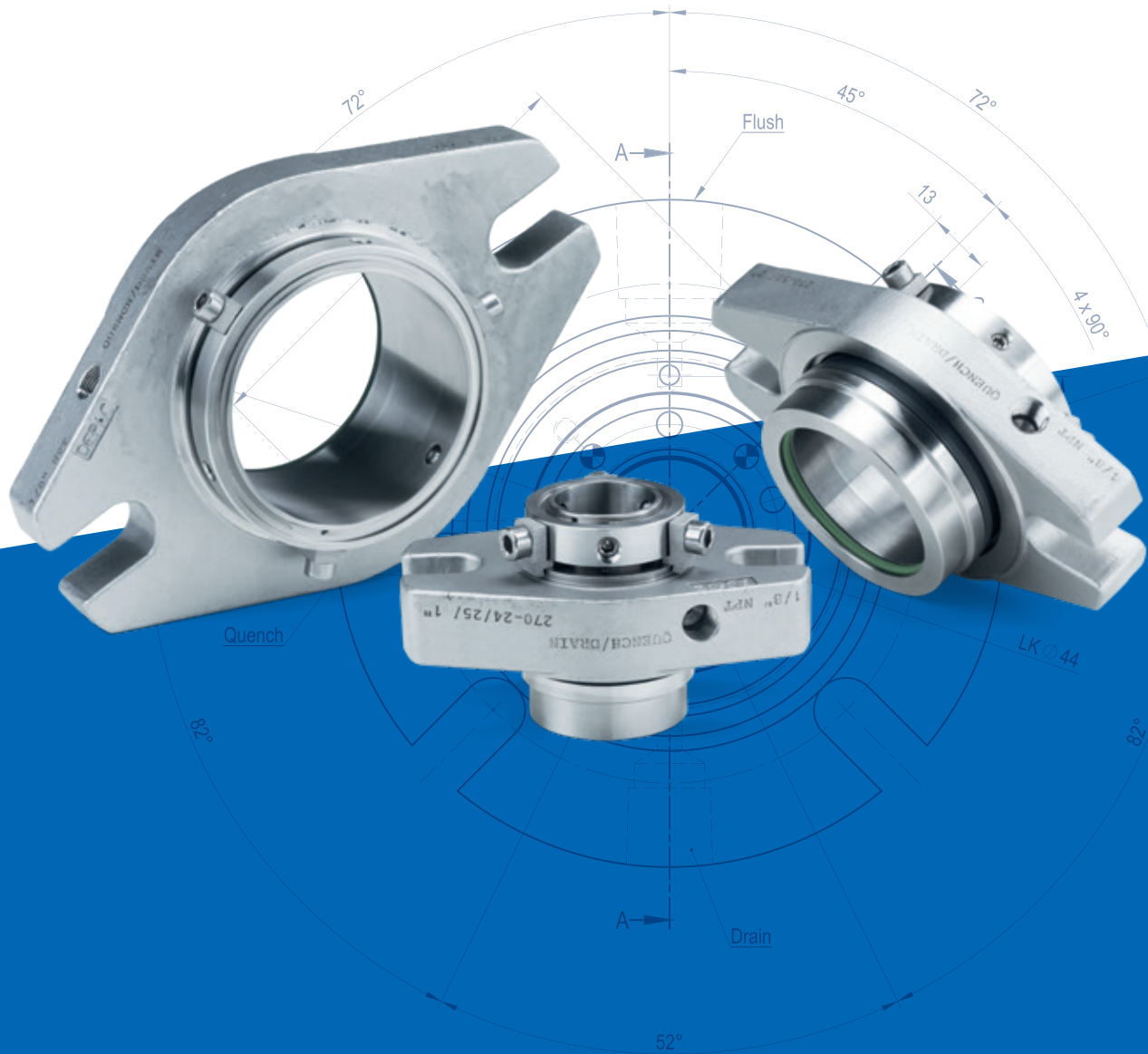




Types: 270, 270R



Mechanical seals Type 270 & 270R

www.depac.at



Table of contents

Type 270 S. 3-15

Type 270R S. 16-21

The DEPAC mechanical seal type 270 is a stationary single-cartridge seal that is extremely well suited for conversions from gland packing to mechanical seal, since modification of the unit is not usually necessary. The stationary design principle developed by DEPAC for the process industry also offers maximum running reliability even in difficult ranges of applications for mechanical seals.

Advantages

- Stationary design principle
- Ideal for conversions from gland packings to mechanical seals
- Extremely well suited for standardisations
- Cartridge-mounted
- Pressure balanced
- Independent of the direction of rotation
- Multiple springs made of Hastelloy C
- Springs outside the medium - no blockage of the springs
- Vibration-damped rotating face
- Gland with 1/8" NPT axial flushing and quenching connection (up to 70 mm | 2 3/8")

Mechanical seal Type 270

Mechanical seal Type 270

Technical specifications

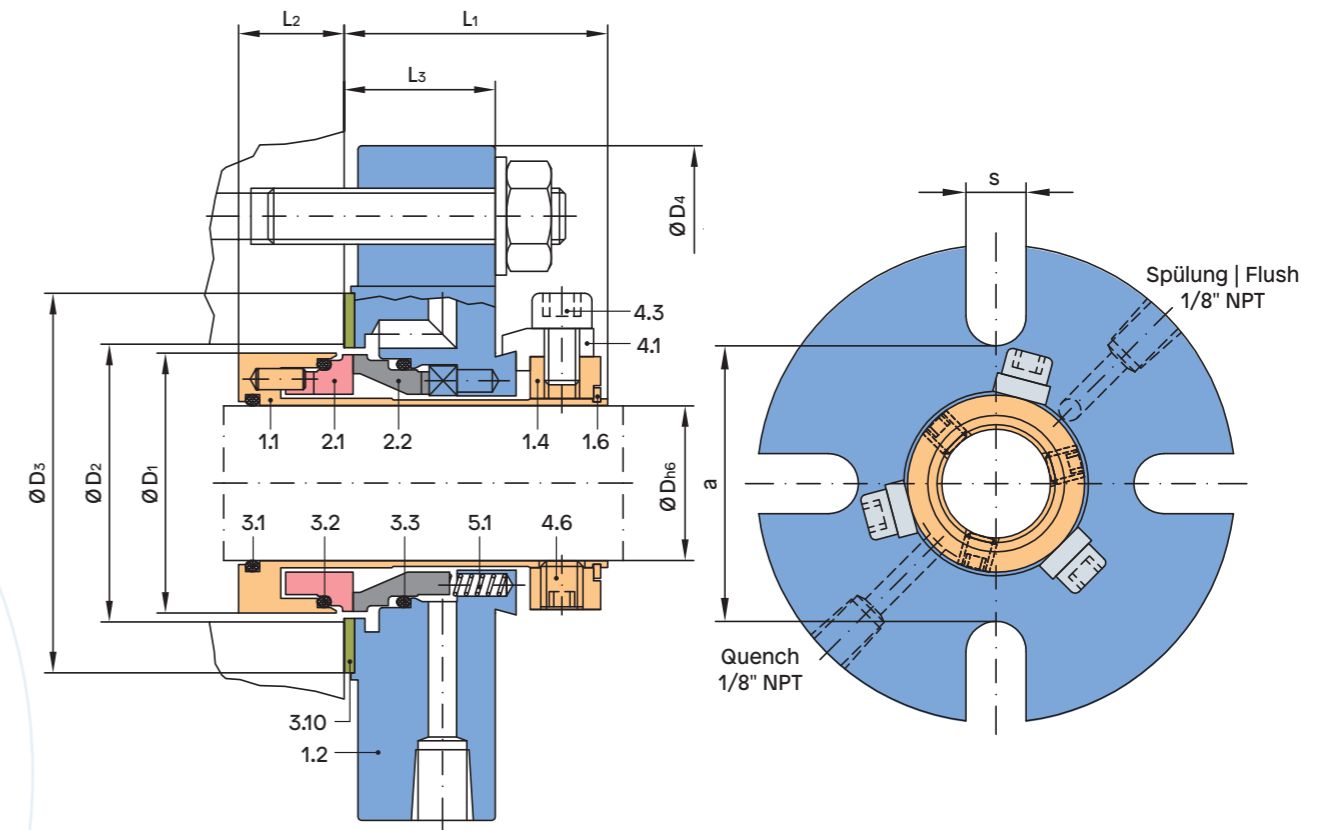
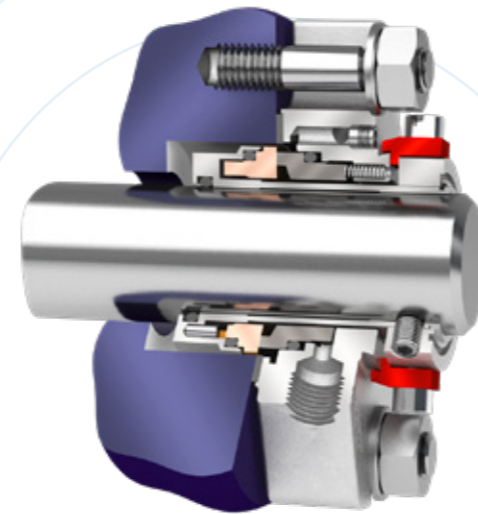
Area of application*

| | |
|------------------|---|
| Pressure: | 700 mmHg to 28 bar |
| Temperature: | depending on elastomer |
| Sliding speed: | up to 35 m/s |
| Shaft movements: | axial $\leq \varnothing 22 \pm 0,5 \text{ mm} \mid \geq \varnothing 24 \pm 1,0 \text{ mm}$ |
| | radial $\leq \varnothing 22 \pm 0,4 \text{ mm} \mid \geq \varnothing 24 \pm 0,5 \text{ mm}$ |

* The maximum specifications for temperature, pressure and sliding speed apply in each case to independent higher operating conditions. However, this does not mean that the seal will function with all extreme conditions at the same time. If in doubt contact DEPAC.

Dimensions

| | |
|-----------------|--------------------------|
| Shaft diameter: | 16 – 160 mm |
| | 5/8" – 6 1/4" |
| | Special sizes on request |



Bill of materials

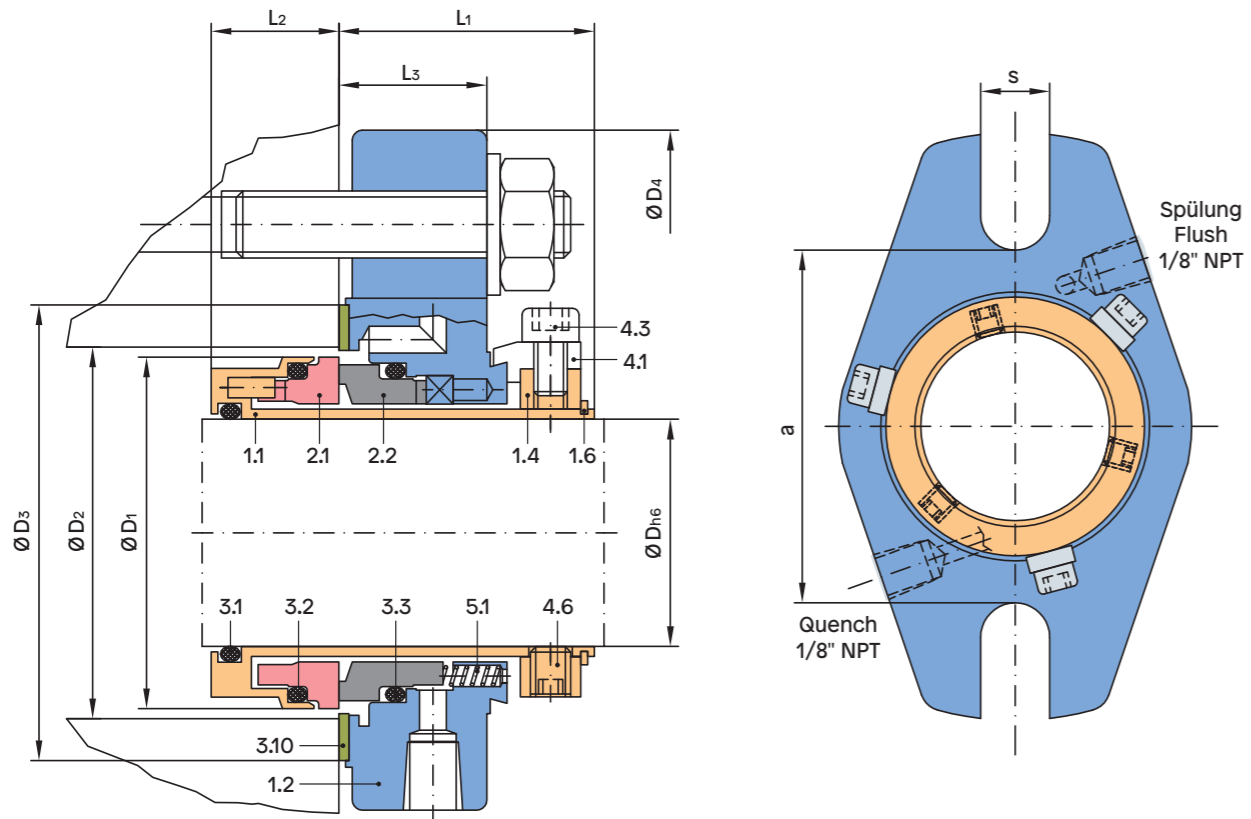
| Item | Description | Material |
|---------------|----------------------|------------------------------|
| 1.1 | Sleeve | 1.4571 |
| 1.2 | Gland | 1.4571 |
| 1.4 | Adjusting ring | 1.4571 |
| 1.6 | Circlip | 1.4310 |
| 2.1 | Dynamic seal face | SC/SSIC/TC |
| 2.2 | Stationary seal face | CA/SC/SSIC/TC |
| 3.1, 3.2, 3.3 | O-ring | FKM, EPDM, Kalrez®, PTFE,... |
| 3.10 | Flat gasket | Klingersil® C-4300 |
| 4.1 | Centering piece | Al |
| 4.3 | Socket screw | A2 |
| 4.6 | Threaded pin | A4 |
| 5.1 | Spring | 2.4610 |

Other materials on request!

Dimension table Ø 16 – 22 mm

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-----|------|---------|---------|----|-----|------|----|------|----|----|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 16 | 31,0 | 32,5 | 39,0 | 48 | 90 | 37,5 | 15 | 21,5 | 50 | 11 | 017 | 022 | 022 |
| 18 | 33,0 | 34,5 | 41 | 50 | 90 | 37,5 | 15 | 21,5 | 52 | 11 | 018 | 024 | 024 |
| 20 | 35,0 | 36,5 | 43 | 52 | 100 | 37,5 | 15 | 21,5 | 54 | 11 | 019 | 025 | 025 |
| 22 | 37,0 | 38,5 | 45 | 54 | 100 | 37,5 | 15 | 21,5 | 56 | 11 | 020 | 026 | 026 |

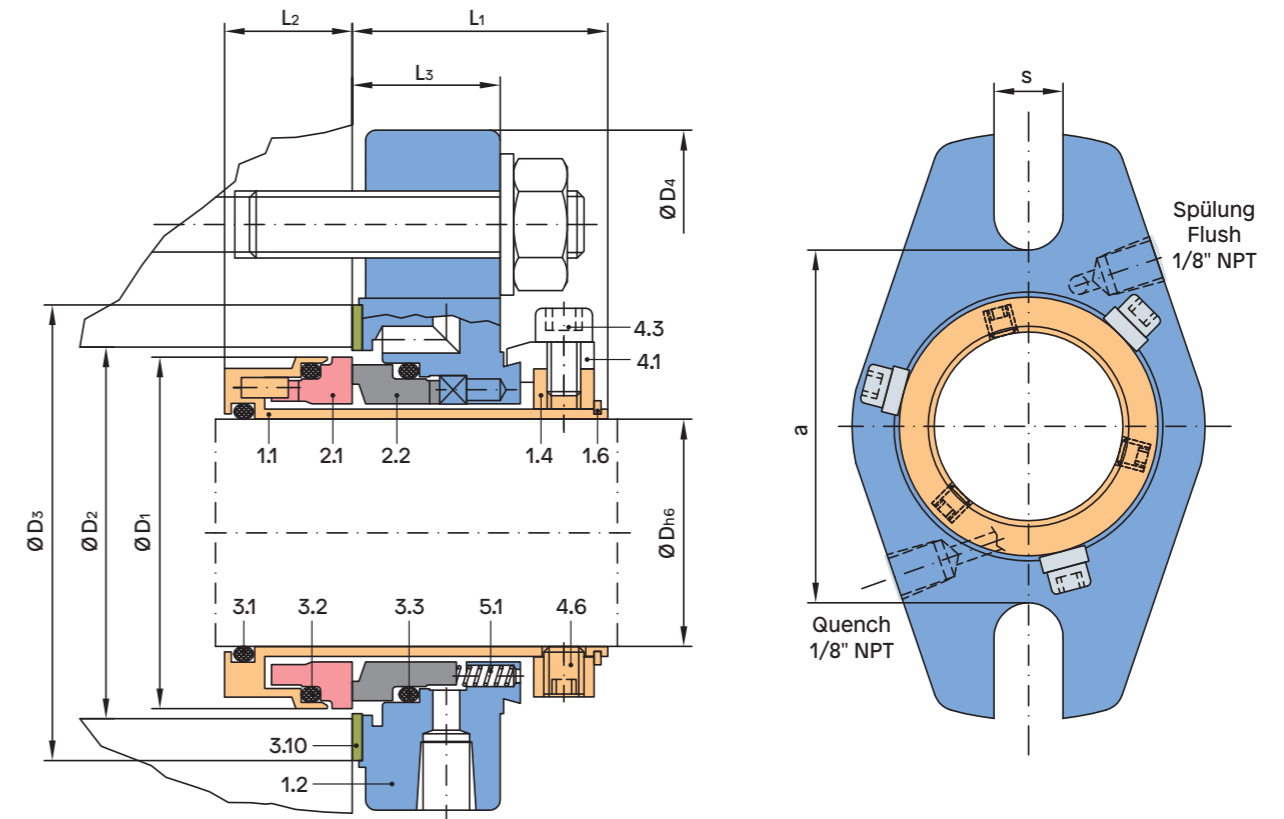
Mechanical seal Type 270



Dimension table $\varnothing 24 - 45$ mm

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-----|------|---------|---------|----|-----|----|----|----|----|------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 24 | 43,5 | 45,5 | 51,0 | 60 | 104 | 38 | 19 | 22 | 62 | 12,5 | 120 | 127 | 127 |
| 25 | 43,5 | 45,5 | 51 | 60 | 104 | 38 | 19 | 22 | 62 | 12,5 | 120 | 127 | 127 |
| 28 | 46,5 | 48,5 | 51 | 60 | 104 | 38 | 19 | 22 | 62 | 12,5 | 122 | 129 | 129 |
| 30 | 48,5 | 50,5 | 54 | 63 | 104 | 38 | 19 | 22 | 65 | 12,5 | 123 | 130 | 130 |
| 32 | 50,0 | 52,0 | 56,0 | 65 | 104 | 38 | 19 | 22 | 67 | 12,5 | 124 | 131 | 131 |
| 33 | 50,0 | 52,0 | 56,0 | 65 | 104 | 38 | 19 | 22 | 67 | 12,5 | 125 | 131 | 131 |
| 35 | 53,5 | 55,5 | 59 | 68 | 115 | 38 | 19 | 22 | 70 | 12,5 | 126 | 133 | 133 |
| 38 | 56,5 | 58,5 | 64 | 73 | 125 | 38 | 19 | 22 | 75 | 14,7 | 128 | 136 | 136 |
| 40 | 58,5 | 60,5 | 64 | 73 | 125 | 38 | 19 | 22 | 75 | 14,7 | 130 | 137 | 137 |
| 42 | 60,5 | 62,5 | 68 | 77 | 133 | 38 | 19 | 22 | 79 | 14,7 | 131 | 138 | 138 |
| 43 | 61,5 | 63,5 | 69 | 78 | 133 | 38 | 19 | 22 | 80 | 14,7 | 132 | 138 | 138 |
| 45 | 63,5 | 65,5 | 70 | 79 | 140 | 38 | 19 | 22 | 81 | 14,7 | 133 | 140 | 140 |

Mechanical seal Type 270

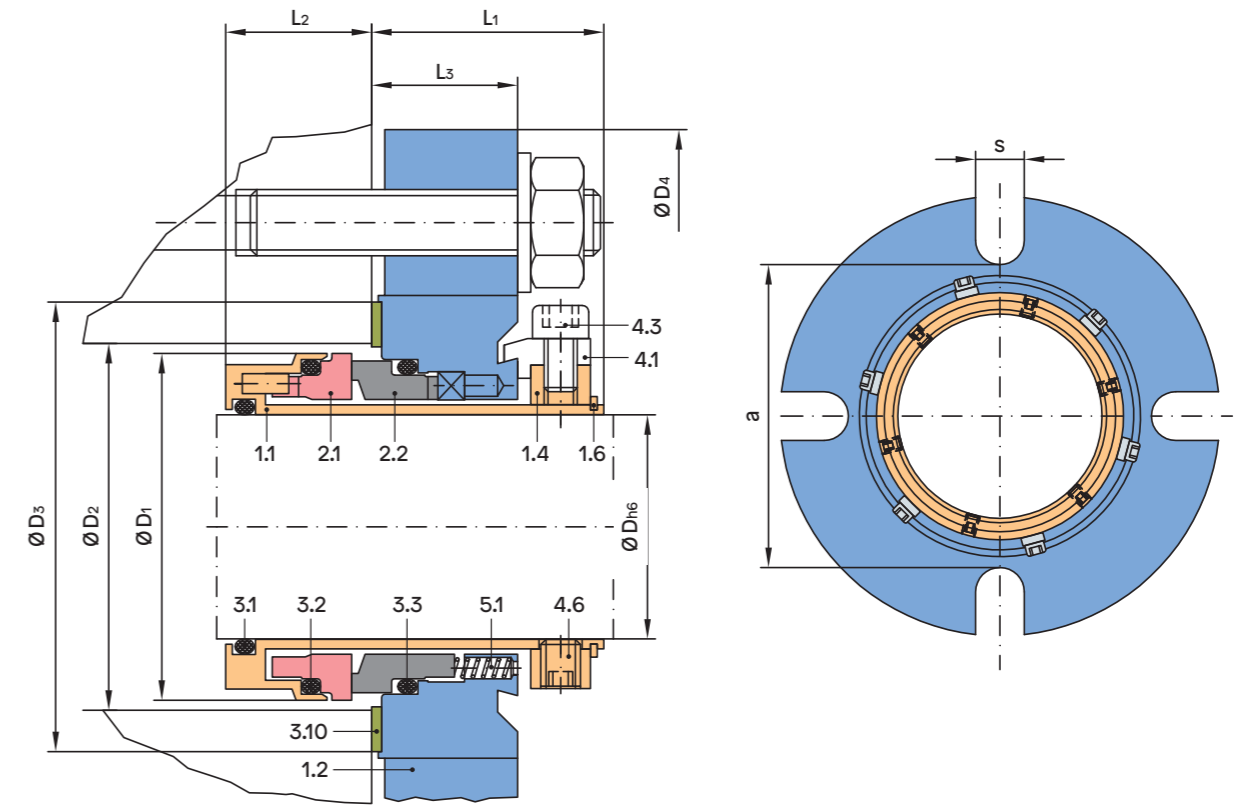
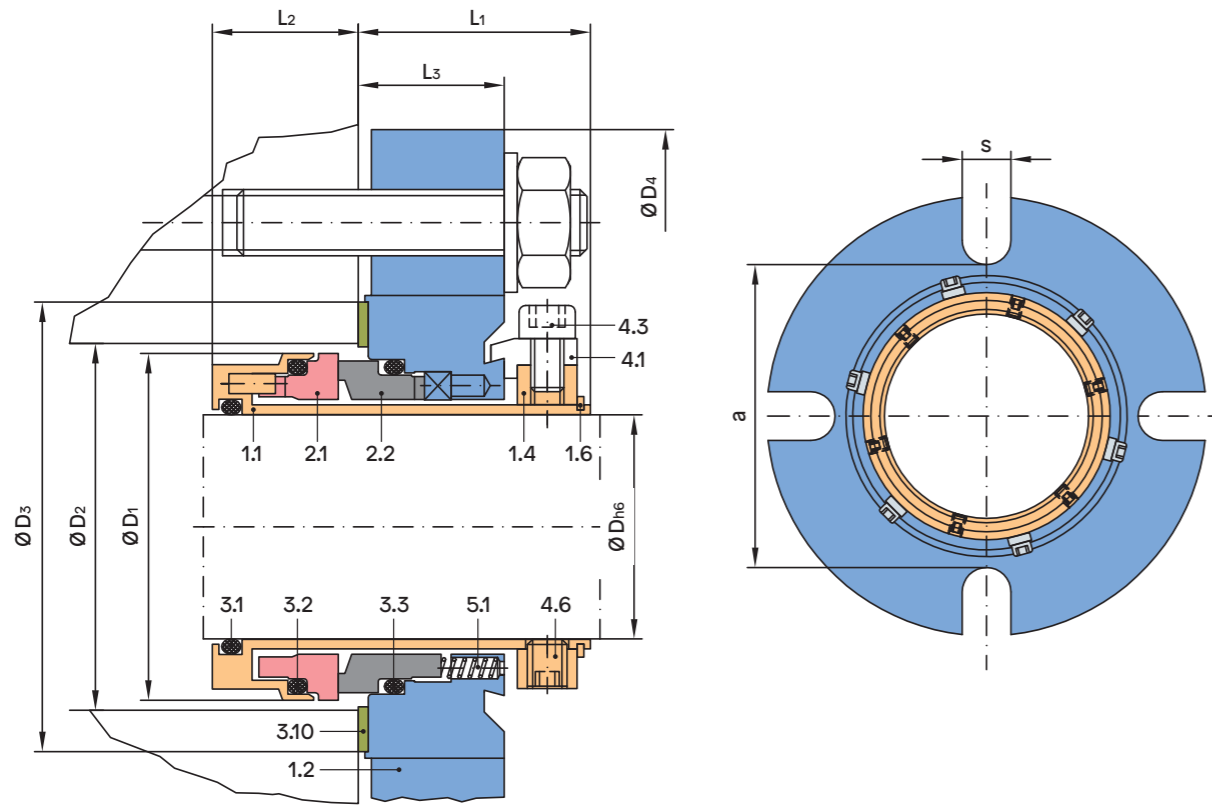


Dimension table $\varnothing 48 - 70$ mm

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-----|------|---------|---------|-----|-----|----|----|----|-----|------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 48 | 66,5 | 68,5 | 73 | 82 | 140 | 38 | 19 | 22 | 84 | 14,7 | 135 | 142 | 142 |
| 50 | 68,5 | 70,5 | 76 | 85 | 140 | 38 | 19 | 22 | 87 | 14,7 | 136 | 143 | 143 |
| 53 | 71,5 | 73,5 | 79 | 88 | 150 | 38 | 19 | 22 | 90 | 17,5 | 138 | 145 | 145 |
| 55 | 73,5 | 75,5 | 81 | 90 | 150 | 38 | 19 | 22 | 92 | 17,5 | 139 | 146 | 146 |
| 58 | 76,5 | 78,5 | 84 | 93 | 155 | 38 | 19 | 22 | 95 | 17,5 | 141 | 148 | 148 |
| 60 | 78,5 | 80,5 | 89 | 98 | 160 | 38 | 19 | 22 | 100 | 17,5 | 142 | 149 | 149 |
| 63 | 81,5 | 83,5 | 92 | 101 | 165 | 38 | 19 | 22 | 103 | 17,5 | 144 | 150 | 150 |
| 65 | 83,5 | 85,5 | 94 | 103 | 165 | 38 | 19 | 22 | 105 | 17,5 | 145 | 151 | 151 |
| 68 | 86,5 | 88,5 | 97 | 108 | 170 | 38 | 19 | 22 | 110 | 17,5 | 147 | 151 | 151 |
| 70 | 88,5 | 90,5 | 109 | 118 | 180 | 38 | 19 | 22 | 120 | 17,5 | 149 | 152 | 152 |

Mechanical seal Type 270

Mechanical seal Type 270



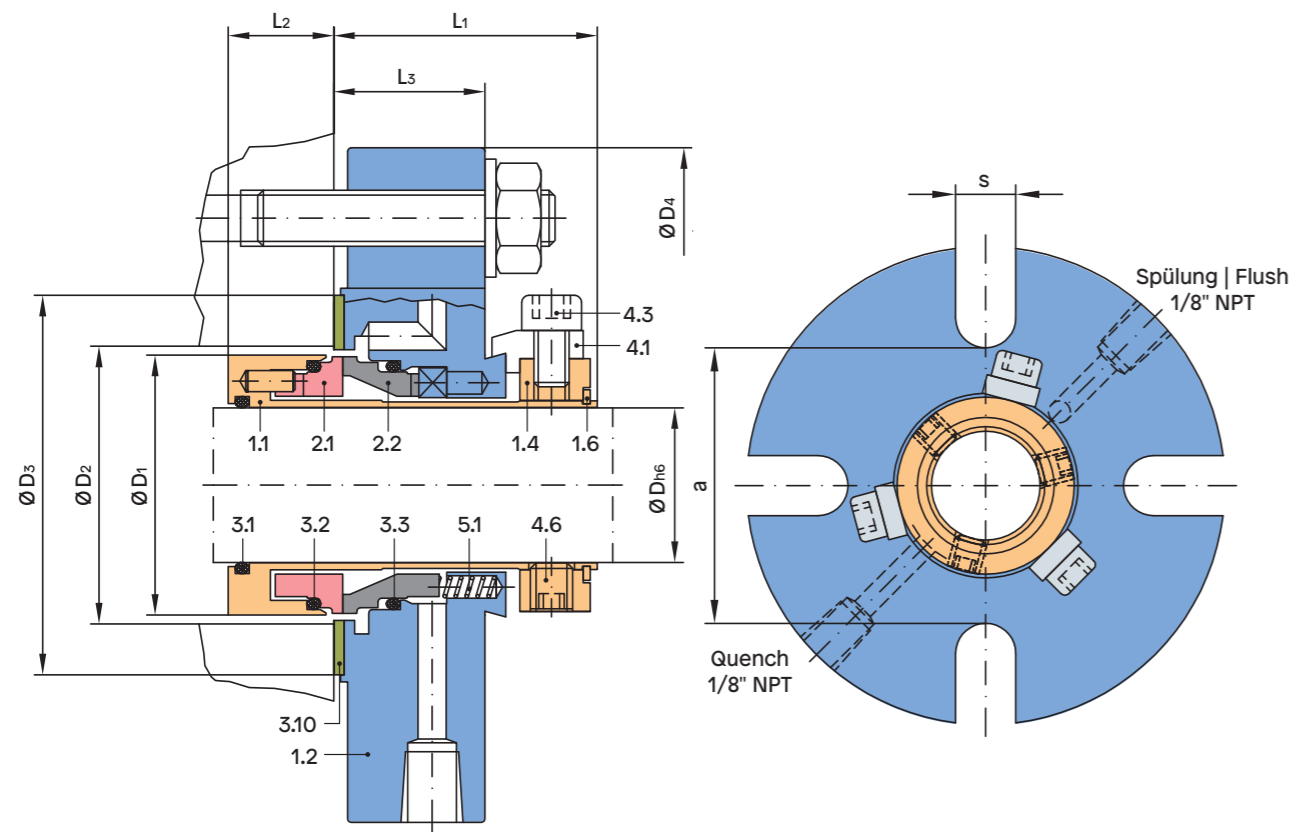
Dimension table Ø 75 – 135 mm

Dimension table Ø 140 – 160 mm

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-----|-----|---------|---------|-----|-----|----|----|----|-----|------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 75 | 100 | 102 | 114 | 123 | 190 | 36 | 26 | 23 | 125 | 17,5 | 234 | 238 | 238 |
| 80 | 105 | 107 | 119 | 128 | 190 | 36 | 26 | 23 | 130 | 17,5 | 236 | 240 | 240 |
| 85 | 110 | 112 | 124 | 133 | 220 | 36 | 26 | 23 | 135 | 21,5 | 237 | 242 | 242 |
| 90 | 115 | 117 | 129 | 138 | 220 | 36 | 26 | 23 | 140 | 21,5 | 239 | 243 | 243 |
| 95 | 120 | 122 | 134 | 143 | 220 | 36 | 26 | 23 | 145 | 21,5 | 240 | 245 | 245 |
| 100 | 125 | 127 | 139 | 148 | 220 | 36 | 26 | 23 | 150 | 21,5 | 242 | 246 | 246 |
| 105 | 130 | 133 | 144 | 153 | 240 | 36 | 26 | 23 | 155 | 21,5 | 244 | 248 | 248 |
| 110 | 135 | 138 | 149 | 158 | 240 | 36 | 26 | 23 | 160 | 21,5 | 245 | 250 | 250 |
| 115 | 140 | 143 | 154 | 163 | 240 | 36 | 26 | 23 | 165 | 21,5 | 247 | 251 | 251 |
| 120 | 145 | 148 | 159 | 168 | 240 | 36 | 26 | 23 | 170 | 21,5 | 248 | 253 | 253 |
| 125 | 150 | 153 | 164 | 173 | 260 | 36 | 26 | 23 | 175 | 21,5 | 250 | 254 | 254 |
| 130 | 155 | 158 | 169 | 178 | 260 | 36 | 26 | 23 | 180 | 21,5 | 251 | 256 | 256 |
| 135 | 160 | 163 | 174 | 183 | 260 | 36 | 26 | 23 | 185 | 21,5 | 253 | 258 | 258 |

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-----|-----|---------|---------|-----|-----|----|----|----|-----|------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 140 | 165 | 168 | 179 | 188 | 260 | 36 | 26 | 23 | 190 | 21,5 | 255 | 258 | 258 |
| 145 | 170 | 173 | 184 | 193 | 280 | 36 | 26 | 23 | 195 | 21,5 | 256 | 259 | 259 |
| 150 | 175 | 178 | 189 | 198 | 280 | 36 | 26 | 23 | 200 | 21,5 | 258 | 260 | 260 |
| 155 | 180 | 183 | 194 | 203 | 280 | 36 | 26 | 23 | 205 | 21,5 | 259 | 261 | 261 |
| 160 | 185 | 188 | 199 | 208 | 280 | 36 | 26 | 23 | 210 | 21,5 | 260 | 261 | 261 |

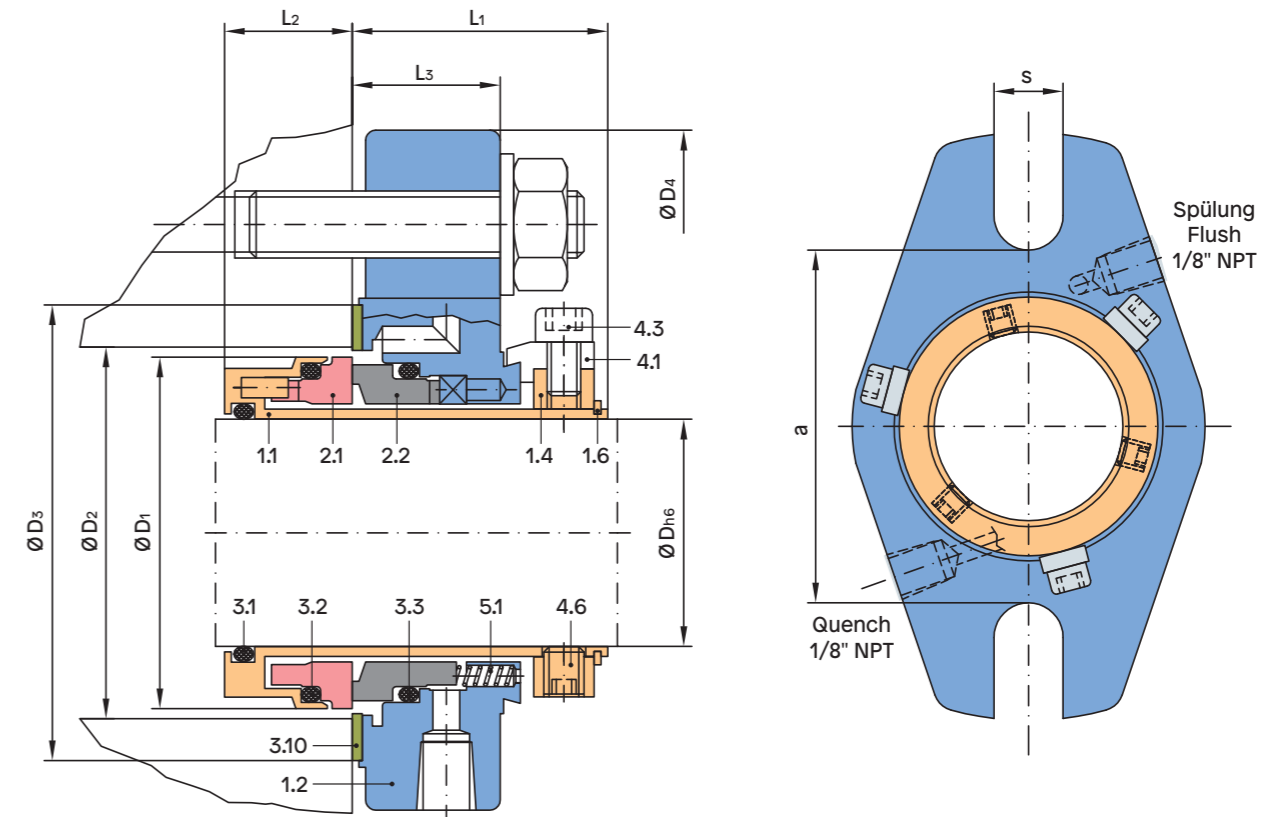
Mechanical seal Type 270



Dimension table $\varnothing \frac{5}{8} - \frac{3}{4}$ inches

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|---------------|-------|---------|---------|-------|-------|-------|-------|-------|-------|-------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| $\frac{5}{8}$ | 1,220 | 1,280 | 1,535 | 1,890 | 3,543 | 1,476 | 0,591 | 0,846 | 1,969 | 0,433 | 017 | 022 | 022 |
| $\frac{3}{4}$ | 1,378 | 1,437 | 1,693 | 2,047 | 3,937 | 1,476 | 0,591 | 0,846 | 2,126 | 0,433 | 019 | 025 | 025 |

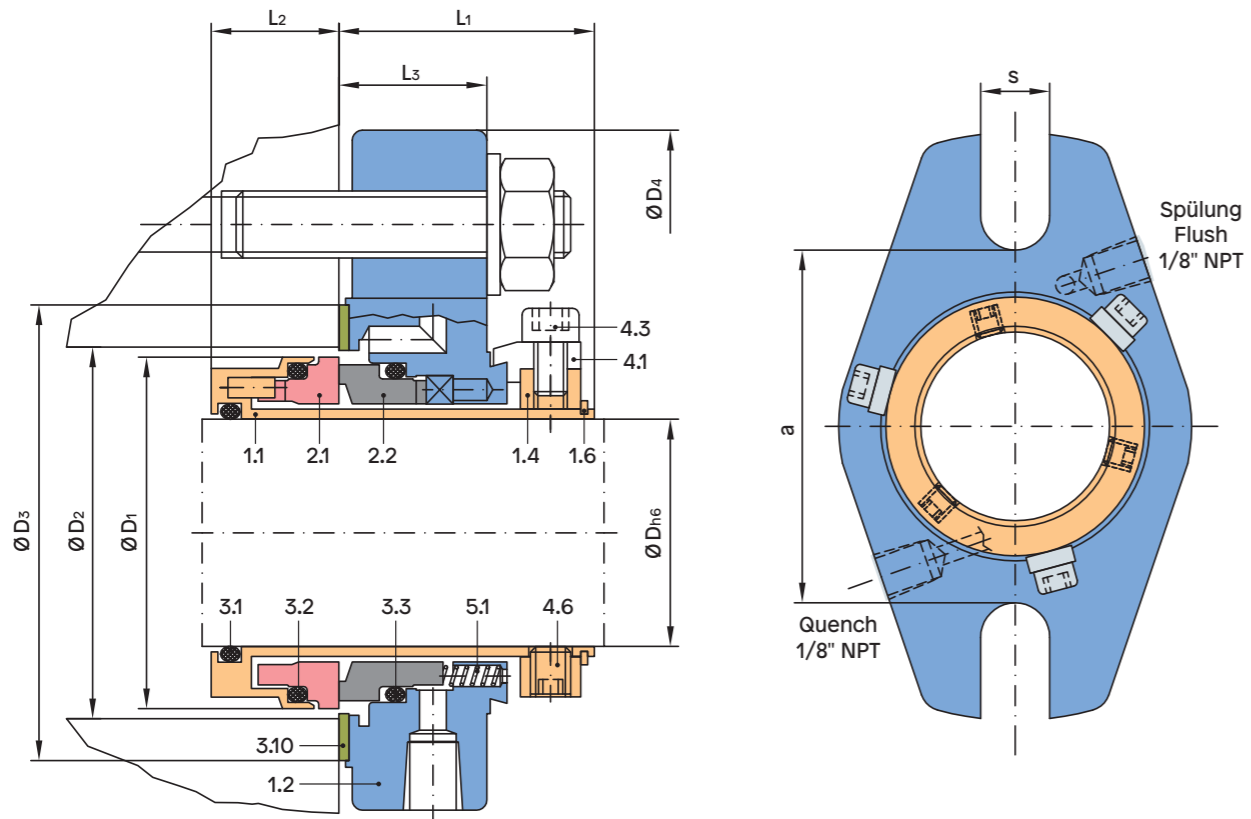
Mechanical seal Type 270



Dimension table $\varnothing 1 - 2$ inches

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-----------------|-------|---------|---------|-------|-------|-------|-------|-------|-------|-------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 1 | 1,713 | 1,791 | 2,008 | 2,362 | 4,094 | 1,496 | 0,748 | 0,866 | 2,441 | 0,492 | 120 | 127 | 127 |
| $1\frac{1}{8}$ | 1,851 | 1,909 | 2,008 | 2,362 | 4,094 | 1,496 | 0,748 | 0,866 | 2,441 | 0,492 | 122 | 129 | 129 |
| $1\frac{1}{4}$ | 1,988 | 2,067 | 2,205 | 2,559 | 4,094 | 1,496 | 0,748 | 0,866 | 2,638 | 0,492 | 124 | 131 | 131 |
| $1\frac{3}{8}$ | 2,106 | 2,185 | 2,323 | 2,677 | 4,528 | 1,496 | 0,748 | 0,866 | 2,756 | 0,492 | 126 | 133 | 133 |
| $1\frac{7}{16}$ | 2,224 | 2,303 | 2,126 | 2,874 | 4,921 | 1,496 | 0,748 | 0,866 | 2,953 | 0,579 | 128 | 136 | 136 |
| $1\frac{1}{2}$ | 2,224 | 2,303 | 2,126 | 2,874 | 4,921 | 1,496 | 0,748 | 0,866 | 2,953 | 0,579 | 128 | 136 | 136 |
| $1\frac{5}{8}$ | 2,382 | 2,461 | 2,677 | 3,071 | 5,236 | 1,496 | 0,748 | 0,866 | 3,150 | 0,579 | 131 | 138 | 138 |
| $1\frac{3}{4}$ | 2,500 | 2,579 | 2,756 | 3,110 | 5,512 | 1,496 | 0,748 | 0,866 | 3,189 | 0,579 | 133 | 140 | 140 |
| $1\frac{7}{8}$ | 2,618 | 2,697 | 2,874 | 3,228 | 5,512 | 1,496 | 0,748 | 0,866 | 3,307 | 0,579 | 135 | 142 | 142 |
| 2 | 2,697 | 2,776 | 2,992 | 3,346 | 5,512 | 1,496 | 0,748 | 0,866 | 3,425 | 0,579 | 136 | 143 | 143 |

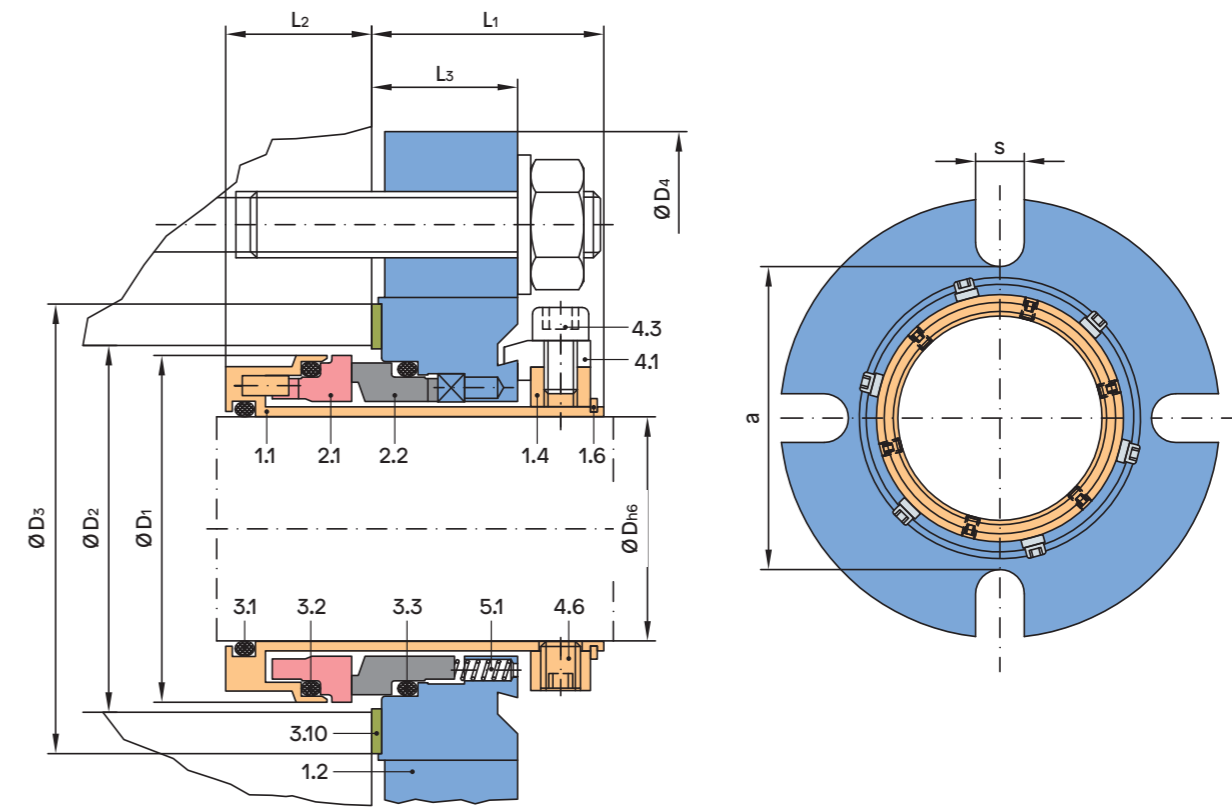
Mechanical seal Type 270



Dimension table $\varnothing 2 \frac{1}{8} - 2 \frac{3}{4}$ inches

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-------|-------|---------|---------|-------|-------|-------|-------|-------|-------|-------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 2 1/8 | 2,815 | 2,894 | 3,110 | 3,465 | 5,906 | 1,496 | 0,748 | 0,866 | 3,543 | 0,689 | 138 | 145 | 145 |
| 2 1/4 | 3,012 | 3,091 | 3,307 | 3,661 | 6,102 | 1,496 | 0,748 | 0,866 | 3,740 | 0,689 | 140 | 147 | 147 |
| 2 3/8 | 3,091 | 3,169 | 3,504 | 3,858 | 6,299 | 1,496 | 0,748 | 0,866 | 3,937 | 0,689 | 142 | 149 | 149 |
| 2 1/2 | 3,209 | 3,288 | 3,622 | 3,976 | 6,469 | 1,496 | 0,748 | 0,866 | 4,055 | 0,689 | 144 | 150 | 150 |
| 2 5/8 | 3,406 | 3,485 | 3,898 | 4,252 | 6,693 | 1,496 | 0,748 | 0,866 | 4,331 | 0,689 | 146 | 151 | 151 |
| 2 3/4 | 3,484 | 3,563 | 4,291 | 4,646 | 7,087 | 1,496 | 0,748 | 0,866 | 4,724 | 0,689 | 149 | 152 | 152 |

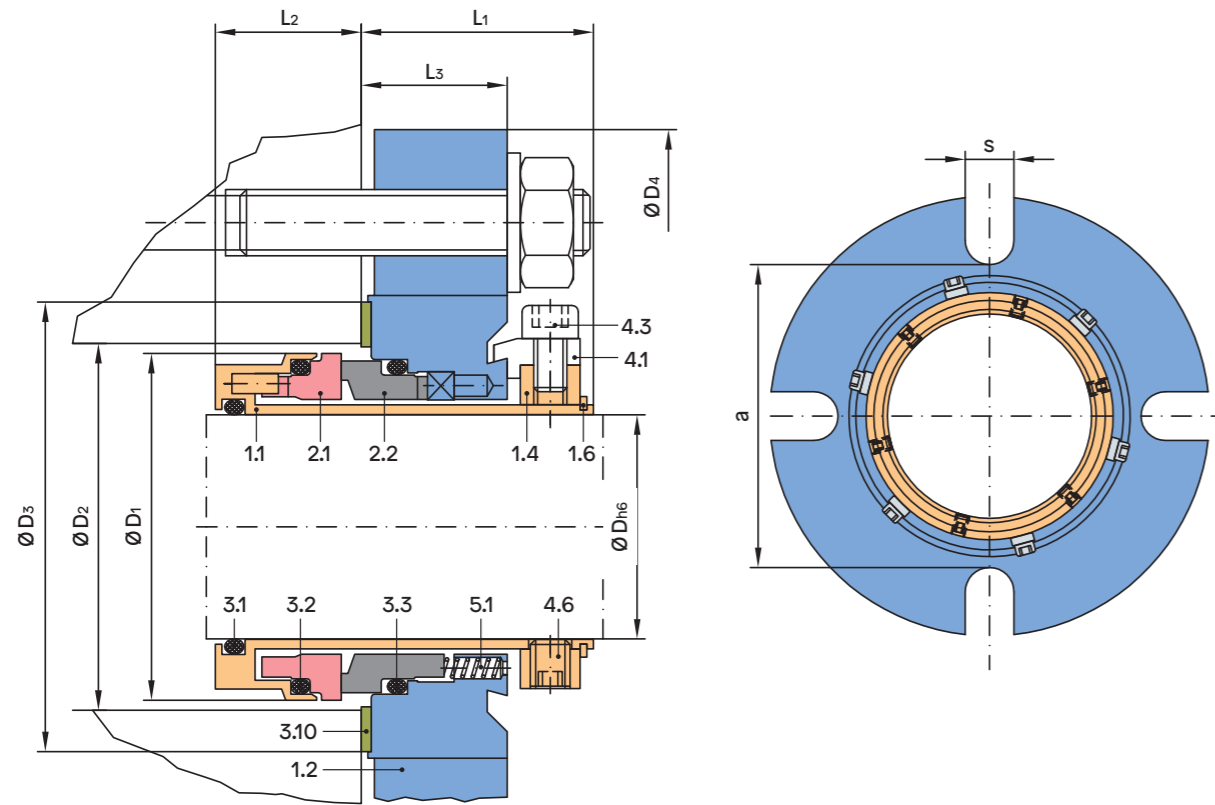
Mechanical seal Type 270



Dimension table $\varnothing 2 \frac{7}{8} - 4$ inches

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-------|-------|---------|---------|-------|-------|-------|-------|-------|-------|-------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 2 7/8 | 3,858 | 3,937 | 4,409 | 4,764 | 7,480 | 1,417 | 1,024 | 0,906 | 4,843 | 0,689 | 233 | 238 | 238 |
| 3 | 3,937 | 4,016 | 4,488 | 4,843 | 7,480 | 1,417 | 1,024 | 0,906 | 4,921 | 0,689 | 234 | 238 | 238 |
| 3 1/8 | 4,134 | 4,213 | 4,685 | 5,039 | 7,480 | 1,417 | 1,024 | 0,906 | 5,118 | 0,689 | 236 | 240 | 240 |
| 3 1/4 | 4,252 | 4,331 | 4,803 | 5,157 | 8,661 | 1,417 | 1,024 | 0,906 | 5,236 | 0,846 | 236 | 241 | 241 |
| 3 3/8 | 4,331 | 4,409 | 4,882 | 5,236 | 8,661 | 1,417 | 1,024 | 0,906 | 5,315 | 0,846 | 237 | 242 | 242 |
| 3 1/2 | 4,528 | 4,606 | 5,079 | 5,433 | 8,661 | 1,417 | 1,024 | 0,906 | 5,512 | 0,846 | 239 | 243 | 243 |
| 3 5/8 | 4,606 | 4,685 | 5,157 | 5,512 | 8,661 | 1,417 | 1,024 | 0,906 | 5,591 | 0,846 | 239 | 244 | 244 |
| 3 3/4 | 4,724 | 4,803 | 5,276 | 5,630 | 8,661 | 1,417 | 1,024 | 0,906 | 5,709 | 0,846 | 240 | 245 | 245 |
| 3 7/8 | 4,921 | 5,000 | 5,472 | 5,827 | 8,661 | 1,417 | 1,024 | 0,906 | 5,906 | 0,846 | 241 | 246 | 246 |
| 4 | 4,921 | 5,000 | 5,472 | 5,827 | 8,661 | 1,417 | 1,024 | 0,906 | 5,906 | 0,846 | 242 | 246 | 246 |

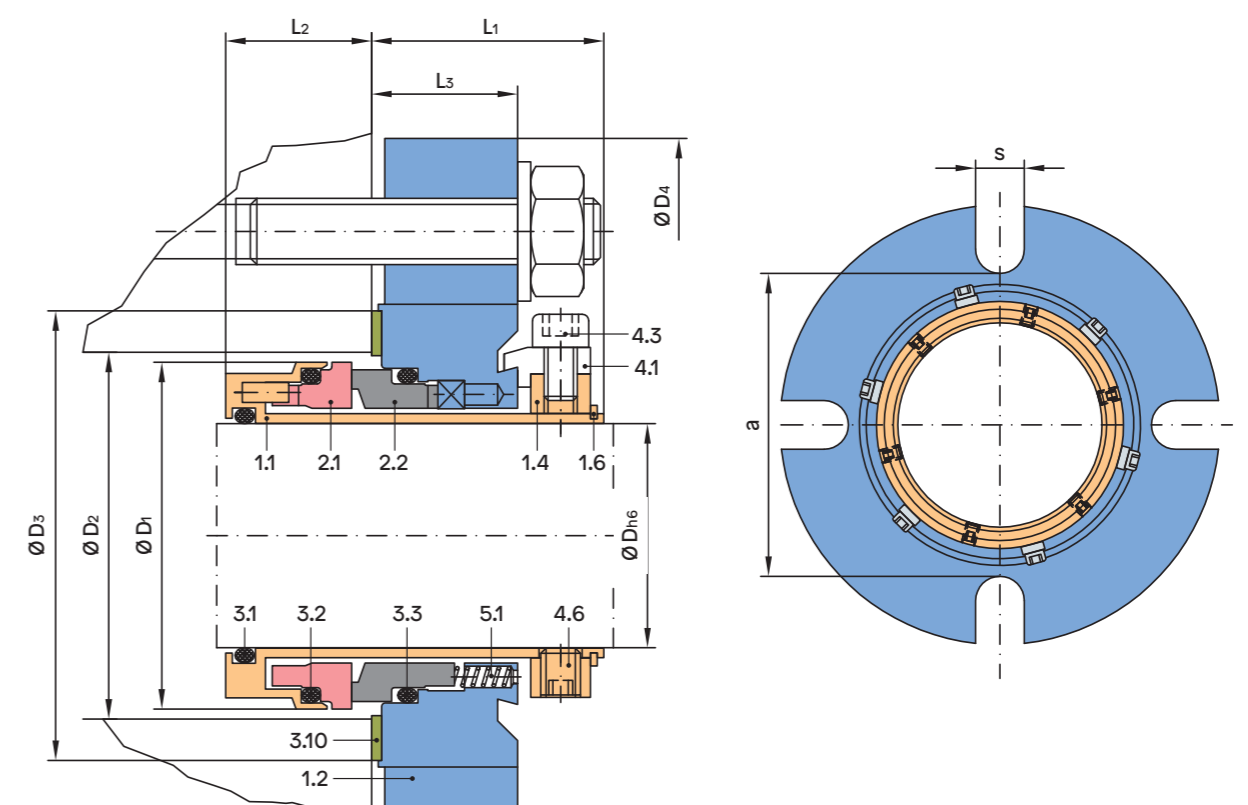
Mechanical seal Type 270



Dimension table $\varnothing 4 \frac{1}{8} - 5 \frac{1}{4}$ inches

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-------|-------|---------|---------|-------|--------|-------|-------|-------|-------|-------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 4 1/8 | 5,118 | 5,236 | 5,669 | 6,024 | 9,449 | 1,417 | 1,024 | 0,906 | 6,102 | 0,846 | 243 | 248 | 248 |
| 4 1/4 | 5,315 | 5,433 | 5,866 | 6,220 | 9,449 | 1,417 | 1,024 | 0,906 | 6,299 | 0,846 | 244 | 250 | 250 |
| 4 3/8 | 5,315 | 5,433 | 5,866 | 6,220 | 9,449 | 1,417 | 1,024 | 0,906 | 6,299 | 0,846 | 245 | 250 | 250 |
| 4 1/2 | 5,512 | 5,630 | 6,063 | 6,417 | 9,449 | 1,417 | 1,024 | 0,906 | 6,496 | 0,846 | 246 | 251 | 251 |
| 4 5/8 | 5,709 | 5,827 | 6,260 | 6,614 | 9,449 | 1,417 | 1,024 | 0,906 | 6,693 | 0,846 | 247 | 253 | 253 |
| 4 3/4 | 5,709 | 5,827 | 6,260 | 6,614 | 9,449 | 1,417 | 1,024 | 0,906 | 6,693 | 0,846 | 248 | 253 | 253 |
| 4 7/8 | 5,906 | 6,024 | 6,457 | 6,811 | 10,236 | 1,417 | 1,024 | 0,906 | 6,890 | 0,846 | 249 | 254 | 254 |
| 5 | 6,102 | 6,220 | 6,654 | 7,008 | 10,236 | 1,417 | 1,024 | 0,906 | 7,087 | 0,846 | 250 | 256 | 256 |
| 5 1/8 | 6,102 | 6,220 | 6,654 | 7,008 | 10,236 | 1,417 | 1,024 | 0,906 | 7,087 | 0,846 | 251 | 256 | 256 |
| 5 1/4 | 6,299 | 6,417 | 6,850 | 7,205 | 10,236 | 1,417 | 1,024 | 0,906 | 7,283 | 0,846 | 252 | 258 | 258 |

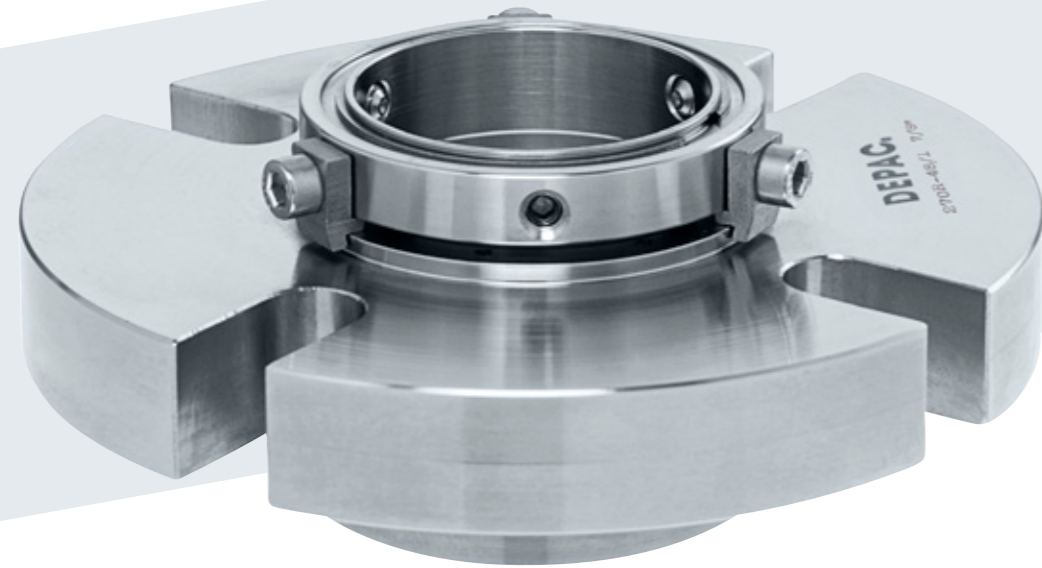
Mechanical seal Type 270



Dimension table $\varnothing 5 \frac{3}{8} - 6 \frac{1}{4}$ inches

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-------|-------|---------|---------|-------|--------|-------|-------|-------|-------|-------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 5 3/8 | 6,299 | 6,417 | 6,850 | 7,205 | 10,236 | 1,417 | 1,024 | 0,906 | 7,283 | 0,846 | 253 | 258 | 258 |
| 5 1/2 | 6,496 | 6,614 | 7,047 | 7,402 | 10,236 | 1,417 | 1,024 | 0,906 | 7,480 | 0,846 | 254 | 258 | 258 |
| 5 5/8 | 6,693 | 6,811 | 7,244 | 7,598 | 11,024 | 1,417 | 1,024 | 0,906 | 7,677 | 0,846 | 255 | 259 | 259 |
| 5 3/4 | 6,693 | 6,811 | 7,244 | 7,598 | 11,024 | 1,417 | 1,024 | 0,906 | 7,677 | 0,846 | 256 | 259 | 259 |
| 5 7/8 | 6,890 | 7,008 | 7,441 | 7,795 | 11,024 | 1,417 | 1,024 | 0,906 | 7,874 | 0,846 | 257 | 260 | 260 |
| 6 | 7,087 | 7,205 | 7,638 | 7,992 | 11,024 | 1,417 | 1,024 | 0,906 | 8,071 | 0,846 | 258 | 261 | 261 |
| 6 1/8 | 7,087 | 7,205 | 7,638 | 7,992 | 11,024 | 1,417 | 1,024 | 0,906 | 8,071 | 0,846 | 259 | 261 | 261 |
| 6 1/4 | 7,283 | 7,402 | 7,835 | 8,189 | 11,024 | 1,417 | 1,024 | 0,906 | 8,268 | 0,846 | 259 | 261 | 261 |

Mechanical seal Type 270R



The DEPAC mechanical seal type 270R is a stationary single-cartridge seal with a round gland that is extremely well suited for conversions from gland packing to mechanical seal, since modification of the unit is not usually necessary. The stationary design principle developed by DEPAC for the process industry also offers maximum running reliability even in difficult ranges of applications for mechanical seals. Unlike the type 270, the type 270R has no flushing or quenching connection.

Advantages

- Stationary design principle
- Ideal for conversions from gland packings to mechanical seals
- Extremely well suited for standardisations
- Cartridge-mounted
- Pressure balanced
- Independent of the direction of rotation
- Multiple springs made of Hastelloy C
- Springs outside the medium - no blockage of the springs
- Vibration-damped rotating face

Mechanical seal Type 270R

Technical specifications

Area of application*

| | |
|------------------|---|
| Pressure: | 700 mmHg to 28 bar |
| Temperature: | depending on elastomer |
| Sliding speed: | up to 35 m/s |
| Shaft movements: | axial $\leq \varnothing 22 \pm 0,5 \text{ mm} \mid \geq \varnothing 24 \pm 1,0 \text{ mm}$ radial $\leq \varnothing 22 \pm 0,4 \text{ mm} \mid \geq \varnothing 24 \pm 0,5 \text{ mm}$ |

* The maximum specifications for temperature, pressure and sliding speed apply in each case to independent higher operating conditions. However, this does not mean that the seal will function with all extreme conditions at the same time. If in doubt contact DEPAC.

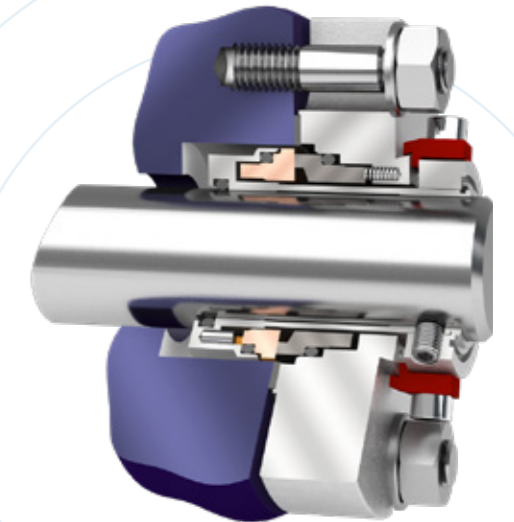
Dimensions

| | |
|-----------------|--------------------------|
| Shaft diameter: | 24 – 70 mm 1" – 2 ¾" |
| | Special sizes on request |

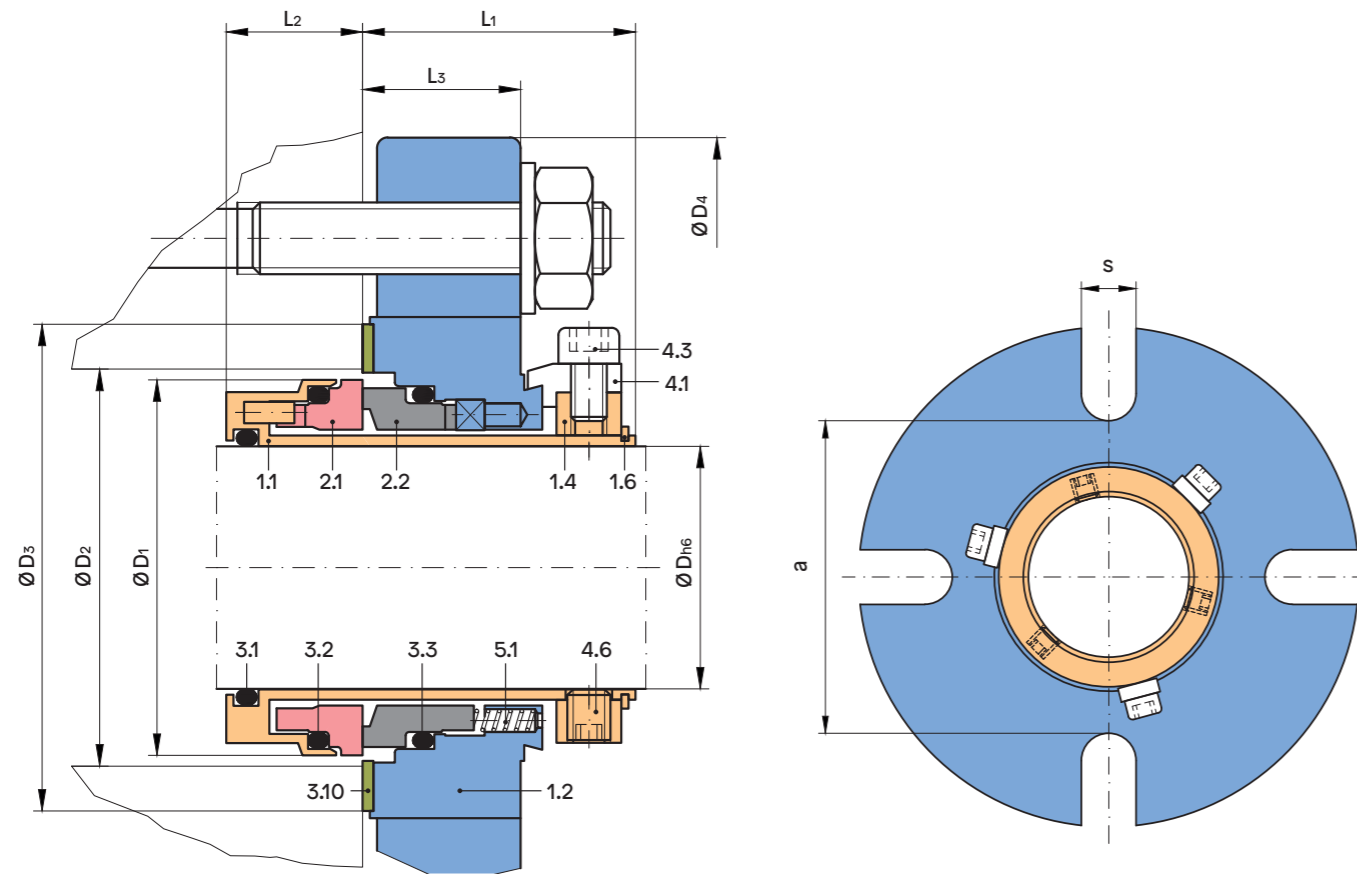
Bill of materials

| Item | Description | Material |
|---------------|----------------------|------------------------------|
| 1.1 | Sleeve | 1.4571 |
| 1.2 | Gland | 1.4571 |
| 1.4 | Adjusting ring | 1.4571 |
| 1.6 | Circlip | 1.4310 |
| 2.1 | Dynamic seal face | SC/SSIC/TC |
| 2.2 | Stationary seal face | CA/SC/SSIC/TC |
| 3.1, 3.2, 3.3 | O-ring | FKM, EPDM, Kalrez®, PTFE,... |
| 3.10 | Flat gasket | Klingersil® C-4300 |
| 4.1 | Centering piece | Al |
| 4.3 | Socket screw | A2 |
| 4.6 | Threaded pin | A4 |
| 5.1 | Spring | 2.4610 |

Other materials on request!



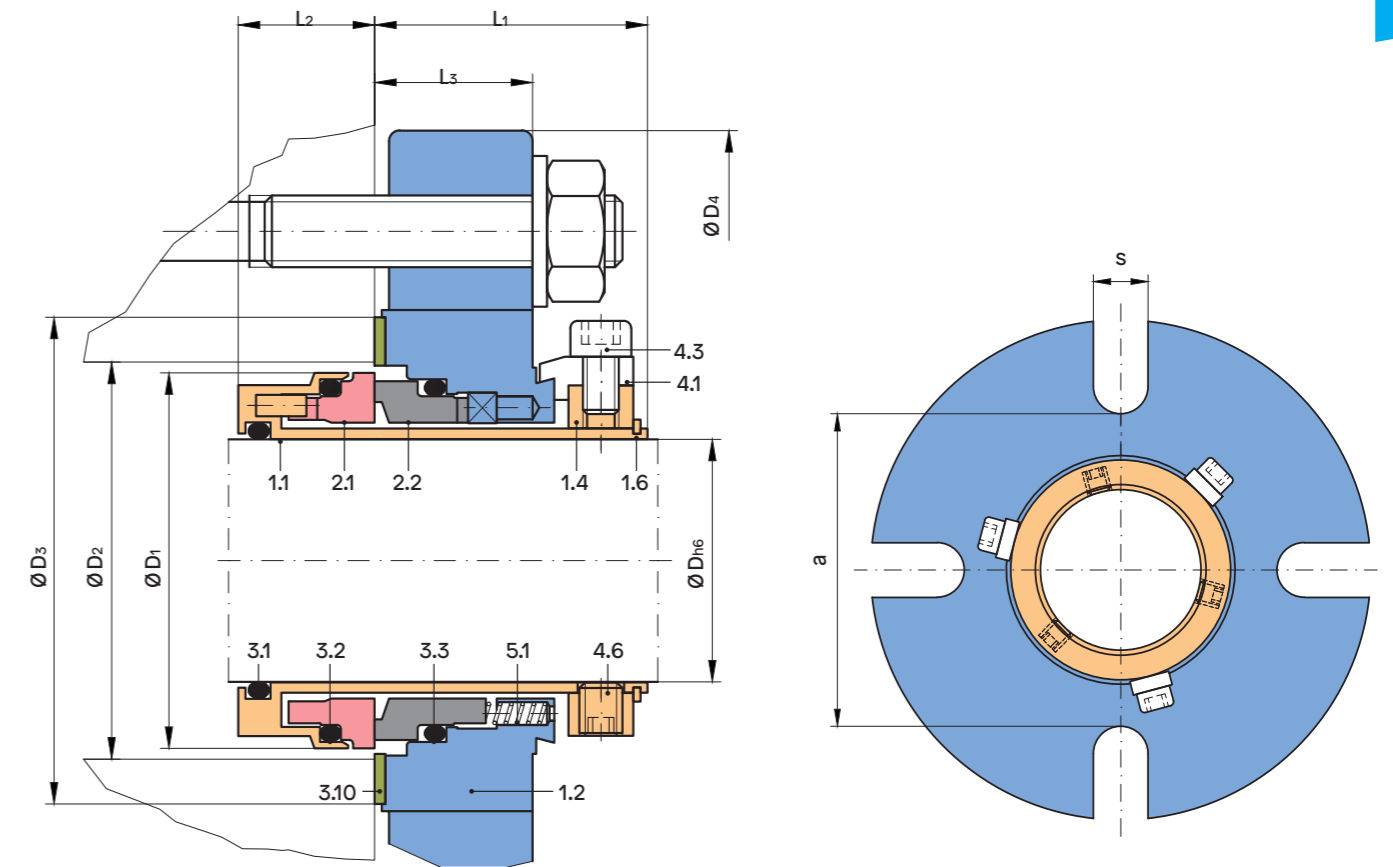
Mechanical seal Type 270R



Dimension table $\varnothing 24 - 45$ mm

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-----|------|---------|---------|----|-----|----|----|----|----|------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 24 | 43,5 | 45,5 | 51,0 | 60 | 104 | 38 | 19 | 22 | 62 | 12,5 | 120 | 127 | 127 |
| 25 | 43,5 | 45,5 | 51 | 60 | 104 | 38 | 19 | 22 | 62 | 12,5 | 120 | 127 | 127 |
| 28 | 46,5 | 48,5 | 51 | 60 | 104 | 38 | 19 | 22 | 62 | 12,5 | 122 | 129 | 129 |
| 30 | 48,5 | 50,5 | 54 | 63 | 104 | 38 | 19 | 22 | 65 | 12,5 | 123 | 130 | 130 |
| 32 | 50,0 | 52,0 | 56,0 | 65 | 104 | 38 | 19 | 22 | 67 | 12,5 | 124 | 131 | 131 |
| 33 | 50,0 | 52,0 | 56,0 | 65 | 104 | 38 | 19 | 22 | 67 | 12,5 | 125 | 131 | 131 |
| 35 | 53,5 | 55,5 | 59 | 68 | 115 | 38 | 19 | 22 | 70 | 12,5 | 126 | 133 | 133 |
| 38 | 56,5 | 58,5 | 64 | 73 | 125 | 38 | 19 | 22 | 75 | 14,7 | 128 | 136 | 136 |
| 40 | 58,5 | 60,5 | 64 | 73 | 125 | 38 | 19 | 22 | 75 | 14,7 | 130 | 137 | 137 |
| 42 | 60,5 | 62,5 | 68 | 77 | 133 | 38 | 19 | 22 | 79 | 14,7 | 131 | 138 | 138 |
| 43 | 61,5 | 63,5 | 69 | 78 | 133 | 38 | 19 | 22 | 80 | 14,7 | 132 | 138 | 138 |
| 45 | 63,5 | 65,5 | 70 | 79 | 140 | 38 | 19 | 22 | 81 | 14,7 | 133 | 140 | 140 |

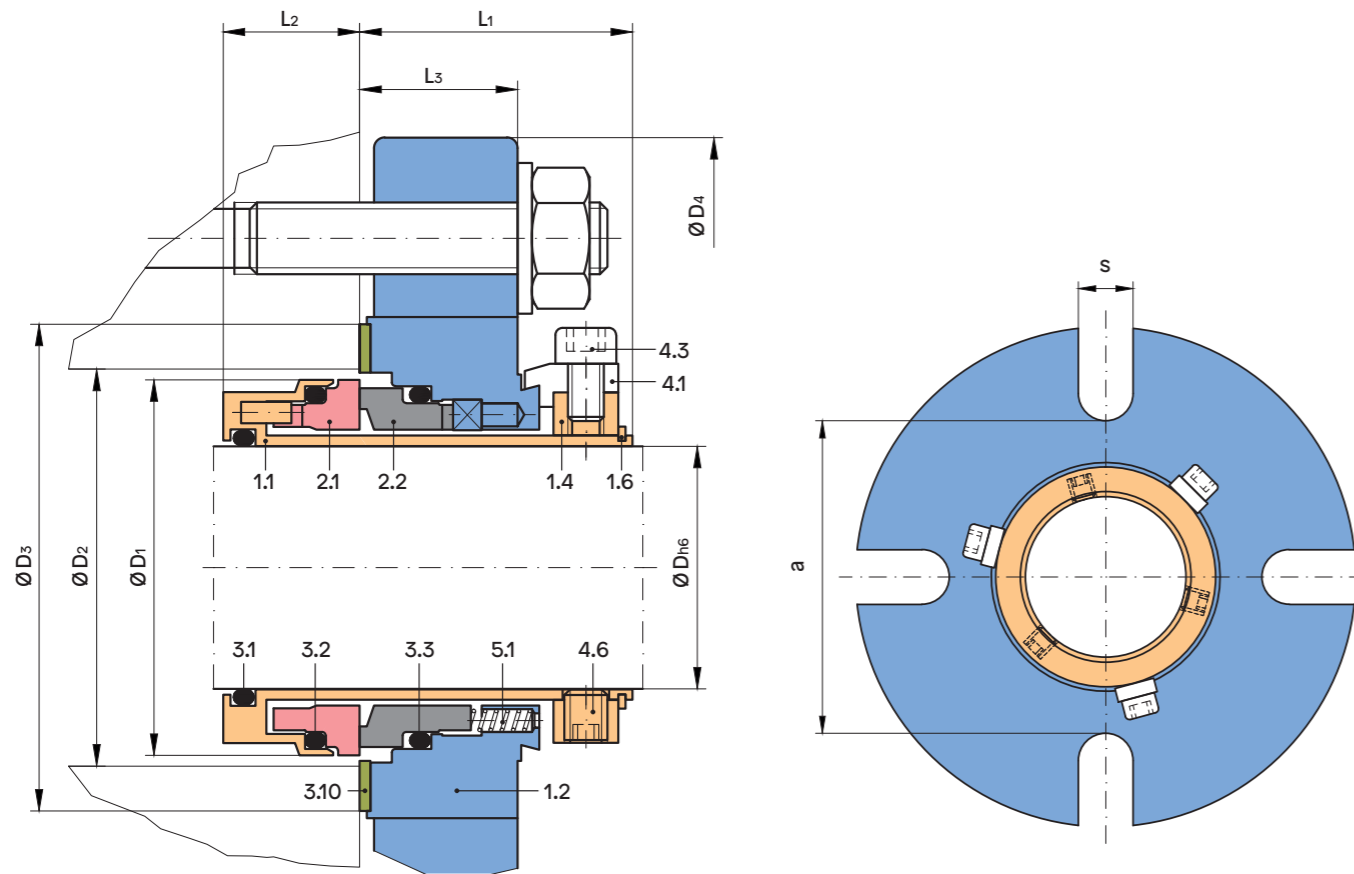
Mechanical seal Type 270R



Dimension table $\varnothing 48 - 70$ mm

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-----|------|---------|---------|-----|-----|----|----|----|-----|------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 48 | 66,5 | 68,5 | 73 | 82 | 140 | 38 | 19 | 22 | 84 | 14,7 | 135 | 142 | 142 |
| 50 | 68,5 | 70,5 | 76 | 85 | 140 | 38 | 19 | 22 | 87 | 14,7 | 136 | 143 | 143 |
| 53 | 71,5 | 73,5 | 79 | 88 | 150 | 38 | 19 | 22 | 90 | 17,5 | 138 | 145 | 145 |
| 55 | 73,5 | 75,5 | 81 | 90 | 150 | 38 | 19 | 22 | 92 | 17,5 | 139 | 146 | 146 |
| 58 | 76,5 | 78,5 | 84 | 93 | 155 | 38 | 19 | 22 | 95 | 17,5 | 141 | 148 | 148 |
| 60 | 78,5 | 80,5 | 89 | 98 | 160 | 38 | 19 | 22 | 100 | 17,5 | 142 | 149 | 149 |
| 63 | 81,5 | 83,5 | 92 | 101 | 165 | 38 | 19 | 22 | 103 | 17,5 | 144 | 150 | 150 |
| 65 | 83,5 | 85,5 | 94 | 103 | 165 | 38 | 19 | 22 | 105 | 17,5 | 145 | 151 | 151 |
| 68 | 86,5 | 88,5 | 97 | 108 | 170 | 38 | 19 | 22 | 110 | 17,5 | 147 | 151 | 151 |
| 70 | 88,5 | 90,5 | 109 | 118 | 180 | 38 | 19 | 22 | 120 | 17,5 | 149 | 152 | 152 |

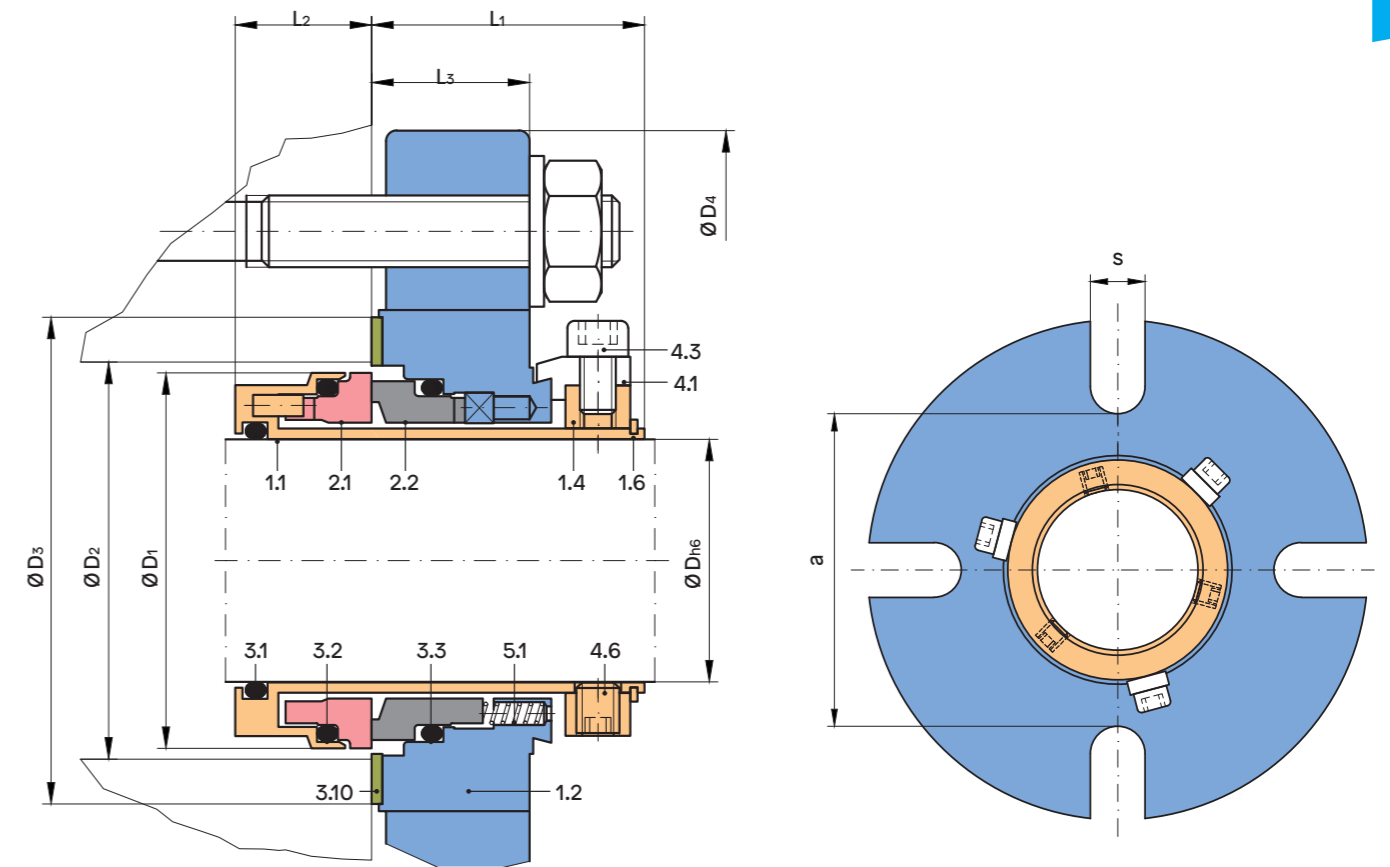
Mechanical seal Type 270R



Dimension table Ø 1 – 2 inches

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|--------|-------|---------|---------|-------|-------|-------|-------|-------|-------|-------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 1 | 1,713 | 1,791 | 2,008 | 2,362 | 4,094 | 1,496 | 0,748 | 0,866 | 2,441 | 0,492 | 120 | 127 | 127 |
| 1 1/8 | 1,831 | 1,909 | 2,008 | 2,362 | 4,094 | 1,496 | 0,748 | 0,866 | 2,441 | 0,492 | 122 | 129 | 129 |
| 1 1/4 | 1,988 | 2,067 | 2,205 | 2,559 | 4,094 | 1,496 | 0,748 | 0,866 | 2,638 | 0,492 | 124 | 131 | 131 |
| 1 3/8 | 2,106 | 2,185 | 2,323 | 2,677 | 4,528 | 1,496 | 0,748 | 0,866 | 2,756 | 0,492 | 126 | 133 | 133 |
| 1 7/16 | 2,224 | 2,303 | 2,126 | 2,874 | 4,921 | 1,496 | 0,748 | 0,866 | 2,953 | 0,579 | 128 | 136 | 136 |
| 1 1/2 | 2,224 | 2,303 | 2,126 | 2,874 | 4,921 | 1,496 | 0,748 | 0,866 | 2,953 | 0,579 | 128 | 136 | 136 |
| 1 5/8 | 2,382 | 2,461 | 2,677 | 3,071 | 5,236 | 1,496 | 0,748 | 0,866 | 3,150 | 0,579 | 131 | 138 | 138 |
| 1 3/4 | 2,500 | 2,579 | 2,756 | 3,110 | 5,512 | 1,496 | 0,748 | 0,866 | 3,189 | 0,579 | 133 | 140 | 140 |
| 1 7/8 | 2,618 | 2,697 | 2,874 | 3,228 | 5,512 | 1,496 | 0,748 | 0,866 | 3,307 | 0,579 | 135 | 142 | 142 |
| 2 | 2,697 | 2,776 | 2,992 | 3,346 | 5,512 | 1,496 | 0,748 | 0,866 | 3,425 | 0,579 | 136 | 143 | 143 |

Mechanical seal Type 270R



Dimension table Ø 2 1/8 – 2 3/4 inches

| Dh6 | D1 | D2 min. | D2 max. | D3 | D4 | L1 | L2 | L3 | a | s | O-rings DASH no. | | |
|-------|-------|---------|---------|-------|-------|-------|-------|-------|-------|-------|------------------|-----|-----|
| | | | | | | | | | | | 3.1 | 3.2 | 3.3 |
| 2 1/8 | 2,815 | 2,894 | 3,110 | 3,465 | 5,906 | 1,496 | 0,748 | 0,866 | 3,543 | 0,689 | 138 | 145 | 145 |
| 2 1/4 | 3,012 | 3,091 | 3,307 | 3,661 | 6,102 | 1,496 | 0,748 | 0,866 | 3,740 | 0,689 | 140 | 147 | 147 |
| 2 3/8 | 3,091 | 3,169 | 3,504 | 3,858 | 6,299 | 1,496 | 0,748 | 0,866 | 3,937 | 0,689 | 142 | 149 | 149 |
| 2 1/2 | 3,209 | 3,288 | 3,622 | 3,976 | 6,469 | 1,496 | 0,748 | 0,866 | 4,055 | 0,689 | 144 | 150 | 150 |
| 2 5/8 | 3,406 | 3,485 | 3,898 | 4,252 | 6,693 | 1,496 | 0,748 | 0,866 | 4,331 | 0,689 | 146 | 151 | 151 |
| 2 3/4 | 3,484 | 3,563 | 4,291 | 4,646 | 7,087 | 1,496 | 0,748 | 0,866 | 4,724 | 0,689 | 149 | 152 | 152 |



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