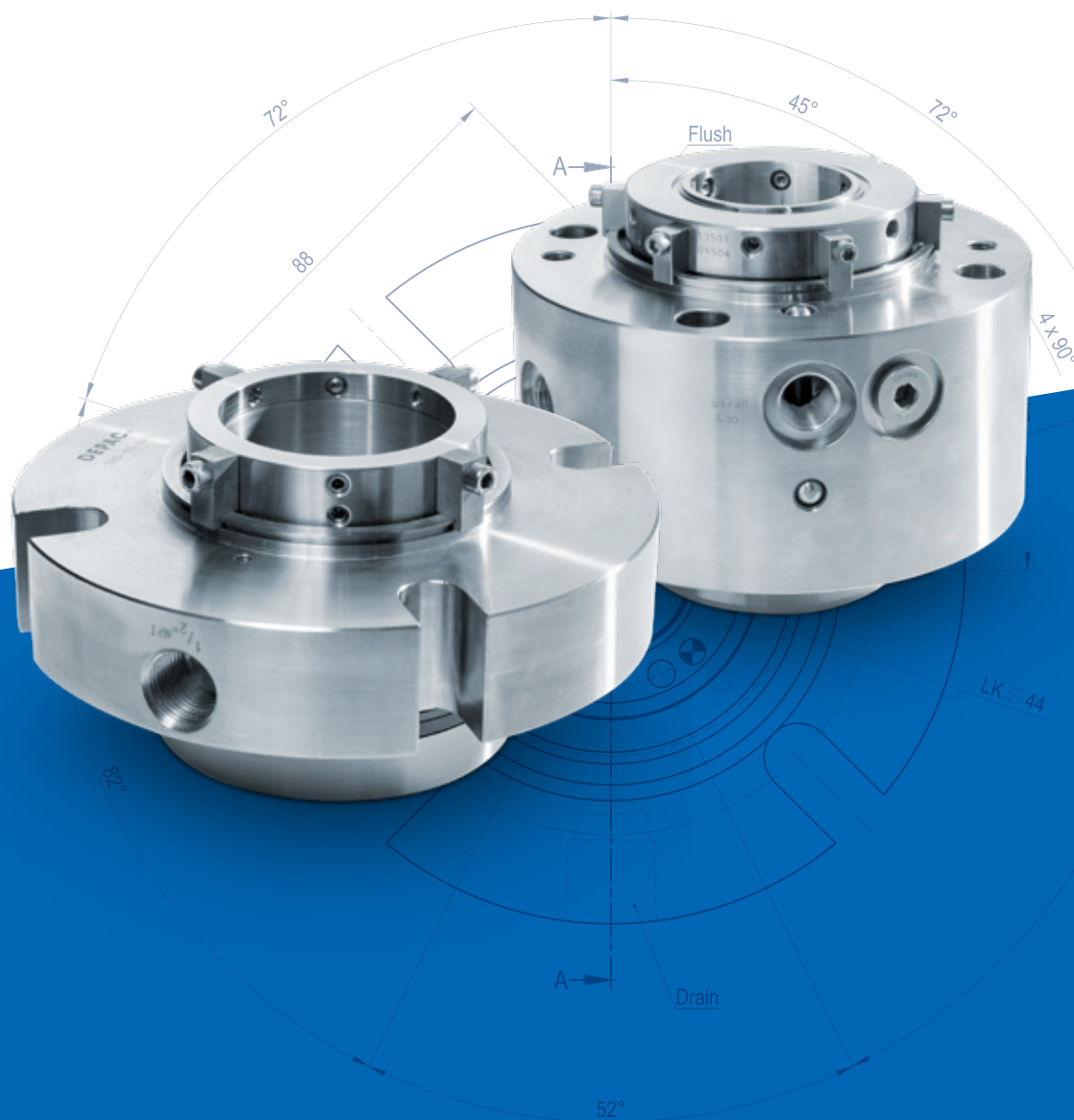




Types: 380, 385



API mechanical seals

API mechanical seal Type 380



The type 380 is a stationary single-cartridge seal. The mechanical seal was specially optimised to meet the requirements of the petroleum industry. The type 380 is equipped with a so-called „floating“ safety seal. As a result, this mechanical seal is also recommended for extreme boundary conditions - from water and highly volatile hydrocarbons to acids and alkalis.

Advantages

- Cartridge-mounted
- Stationary design principle
- Pressure balanced
- „Floating“ safety seal
- Independent of the direction of rotation
- Shock and vibration-dampend faces
- Springs outside the medium

API mechanical seal Type 380

Technical specifications

Area of application*

Pressure:	700 mmHg - 40 bar
Temperature:	dependent on elastomer
Sliding speed:	up to 35 m/s

* 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.

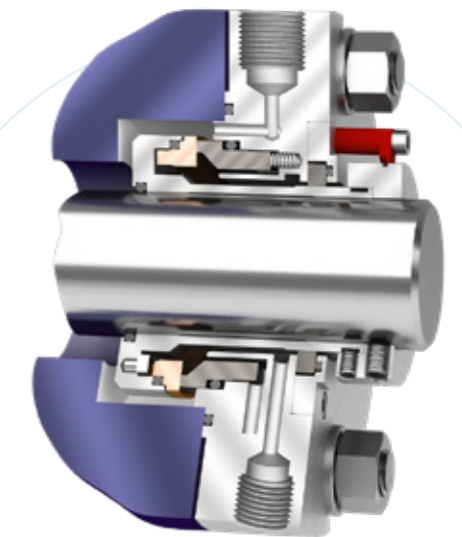
Dimensions

Shaft diameter:	20 - 110 mm 0,787" - 4,330"
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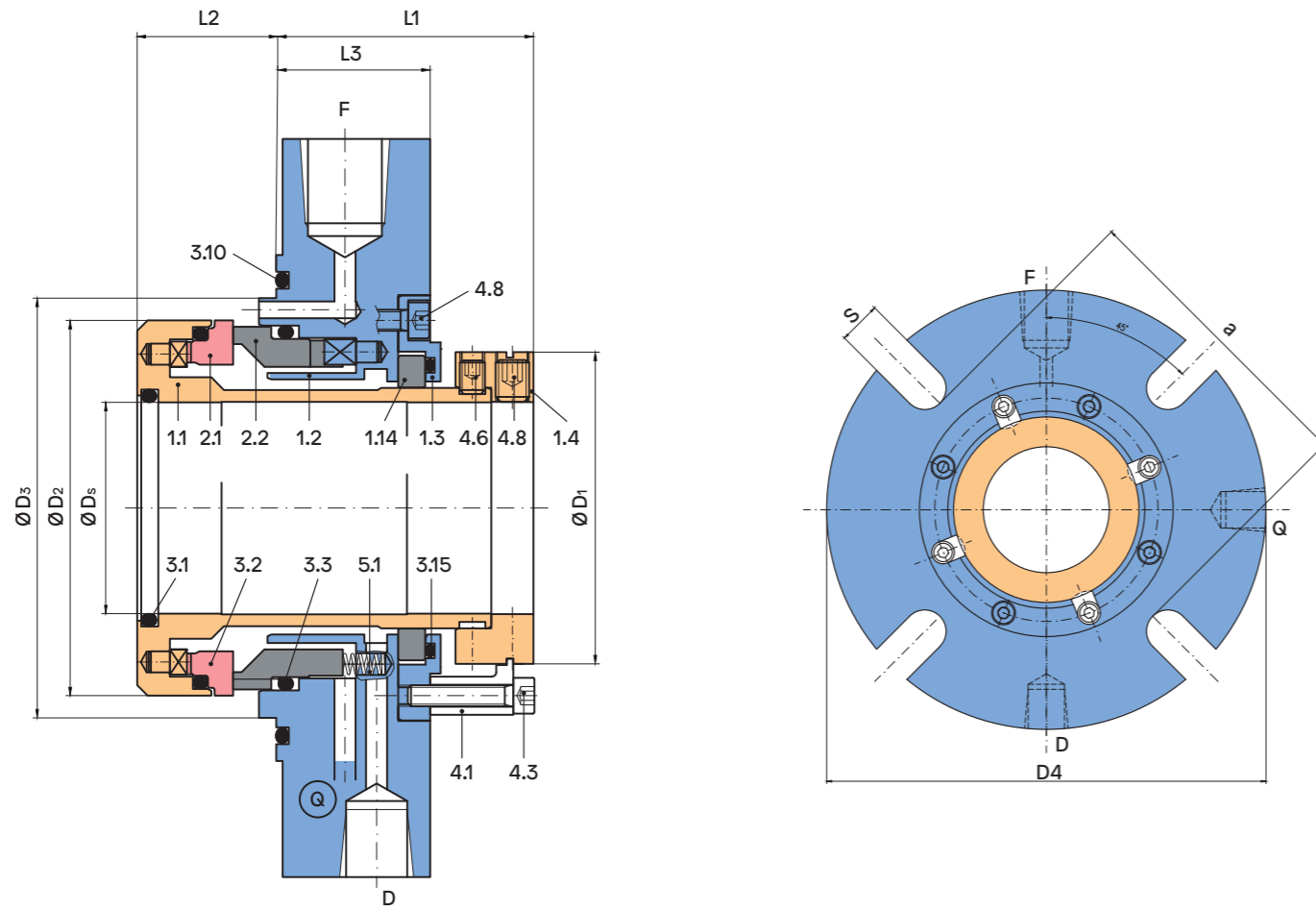
Bill of materials

Item	Description	Material
1.1	Sleeve	1.4571
1.14	Throttle bushing	CA
1.2	Gland	1.4571
1.3	Throttle bushing retainer	1.4571
1.4	Adjusting ring	1.4571
2.1	Dynamic seal face	SC/SSIC/TC
2.2	Stationary seal face	CA/SC/SSIC/TC
4.1	Centring piece	VA
4.4	Screw	VA
4.3	Screw	VA
4.6	Set Screw	VA
4.8	Set Screw	VA
5.1	Spring	Hast. C

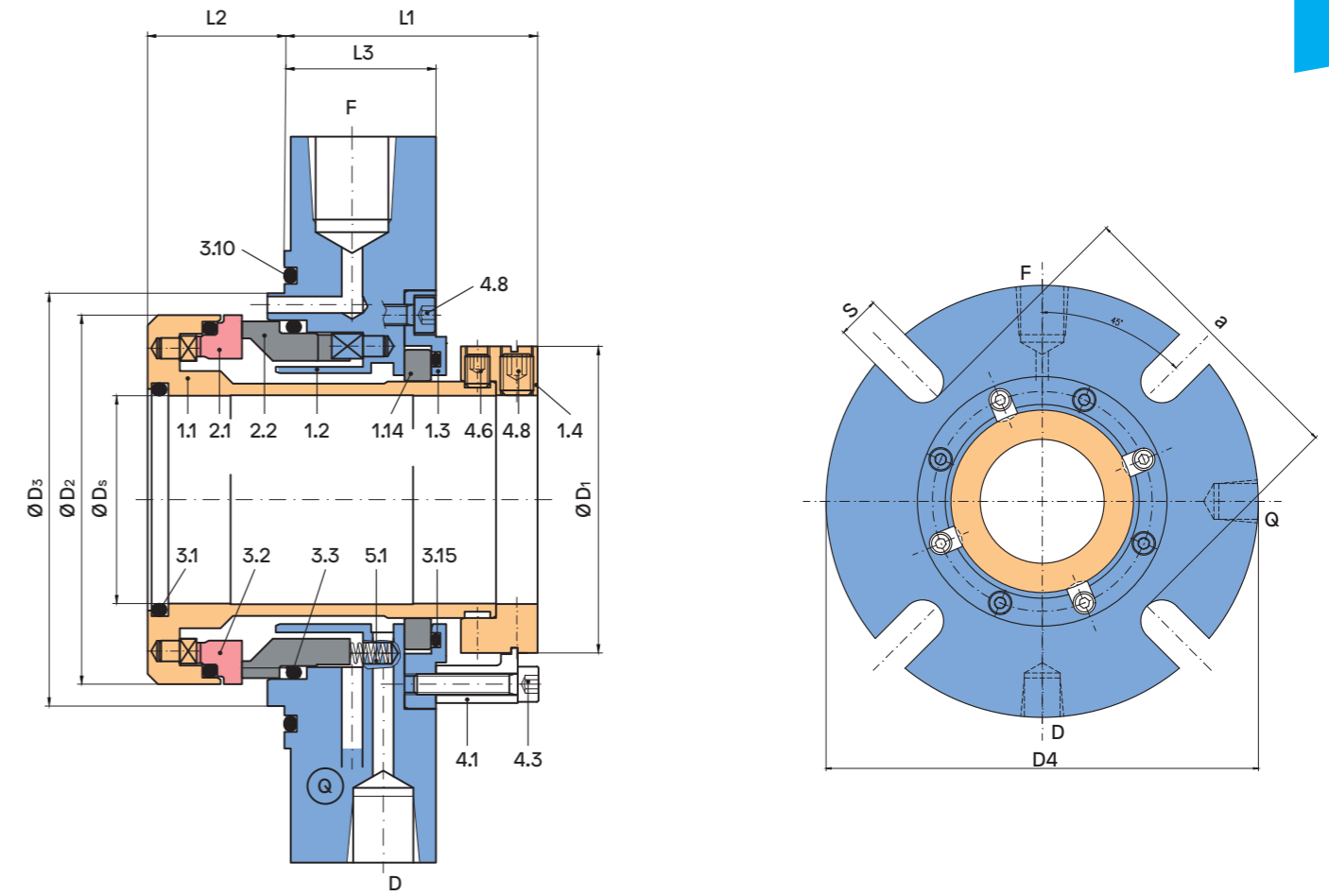
Other sizes, materials or construction variants on request or request.



API mechanical seal Type 380



API mechanical seal Type 380



Dimension table Ø 20 – 110 mm

DS	D1	D2	D3	D4	a	L1	L2	L3	s	O-ring				
										3.1	3.2	3.3	3.10	3.15
20	44	59	69,5	135	88	61	33	36,5	13	211	225	226	234	126
30	54	69	79,5	145	98	61	33	36,5	13	217	229	229	237	132
40	64	79	89,5	155	108	61	33	36,5	13	223	232	232	240	138
50	74	89	99,5	175	120	61	33	36,5	17	226	235	235	243	145
60	84	99	119,5	195	140	61	33	36,5	17	229	238	238	249	150
70	94	109	129,5	205	150	61	33	36,5	17	232	241	241	253	152
80	104	119	139,5	215	160	61	33	36,5	17	236	244	244	256	154
90	114	129	159,5	290	180	61	33	36,5	21	239	247	248	260	155
100	124	139	169,5	300	190	61	33	36,5	21	242	251	251	262	157
110	134	149	179,5	310	200	61	33	36,5	21	245	254	254	263	158

Dimension table Ø 0,787 – 4,330 inches

DS	D1	D2	D3	D4	a	L1	L2	L3	s	O-ring				
										3.1	3.2	3.3	3.10	3.15
0,787	1,732	2,323	2,736	5,315	3,465	2,402	1,299	1,437	0,512	211	225	226	234	126
1,181	2,126	2,717	3,130	5,709	3,858	2,402	1,299	1,437	0,512	217	229	229	237	132
1,574	2,520	3,110	3,524	6,102	4,252	2,402	1,299	1,437	0,512	223	232	232	240	138
1,968	2,913	3,504	3,917	6,890	4,724	2,402	1,299	1,437	0,669	226	235	235	243	145
2,362	3,307	3,898	4,705	7,677	5,512	2,402	1,299	1,437	0,669	229	238	238	249	150
2,755	3,701	4,291	5,098	8,071	5,906	2,402	1,299	1,437	0,669	232	241	241	253	152
3,149	4,094	4,685	5,492	8,465	6,299	2,402	1,299	1,437	0,669	236	244	244	256	154
3,543	4,488	5,079	6,280	11,417	7,087	2,402	1,299	1,437	0,827	239	247	248	260	155
3,937	4,882	5,472	6,673	11,811	7,480	2,402	1,299	1,437	0,827	242	251	251	262	157
4,330	5,276	5,866	7,067	12,205	7,874	2,402	1,299	1,437	0,827	245	254	254	263	158

API mechanical seal Type 385



The type 385 is a stationary, tandem-active double mechanical seal. Specially designed to meet the requirement of the petroleum industry, the type 385 is equipped with a barrier fluid chamber with a patented pump construction and barrier fluid diversion.

Advantages

- Cartridge-mounted
- Stationary design principle
- Double pressure balanced
- Full pressurisation is possible on pump side and barrier side
- Self-closing in case of pressure reversal
- Tandem active
- Independent of the direction of rotation
- Shock and vibration-dampend faces
- „Floating“ safety seal

API mechanical seal Type 385

Technical specifications

Area of application*

Pressure:	700 mmHg - 40 bar
Temperature:	depending on elastomer
Sliding speed:	up to 35 m/s

* 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.

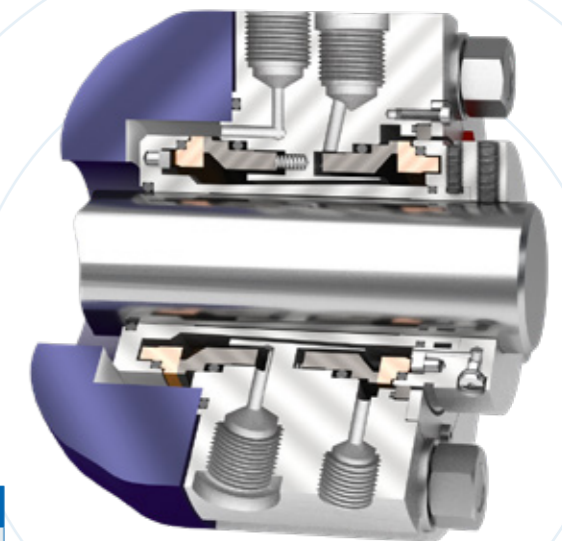
Dimensions

Shaft diameter:	20 - 110 mm 0,787" - 4,331"
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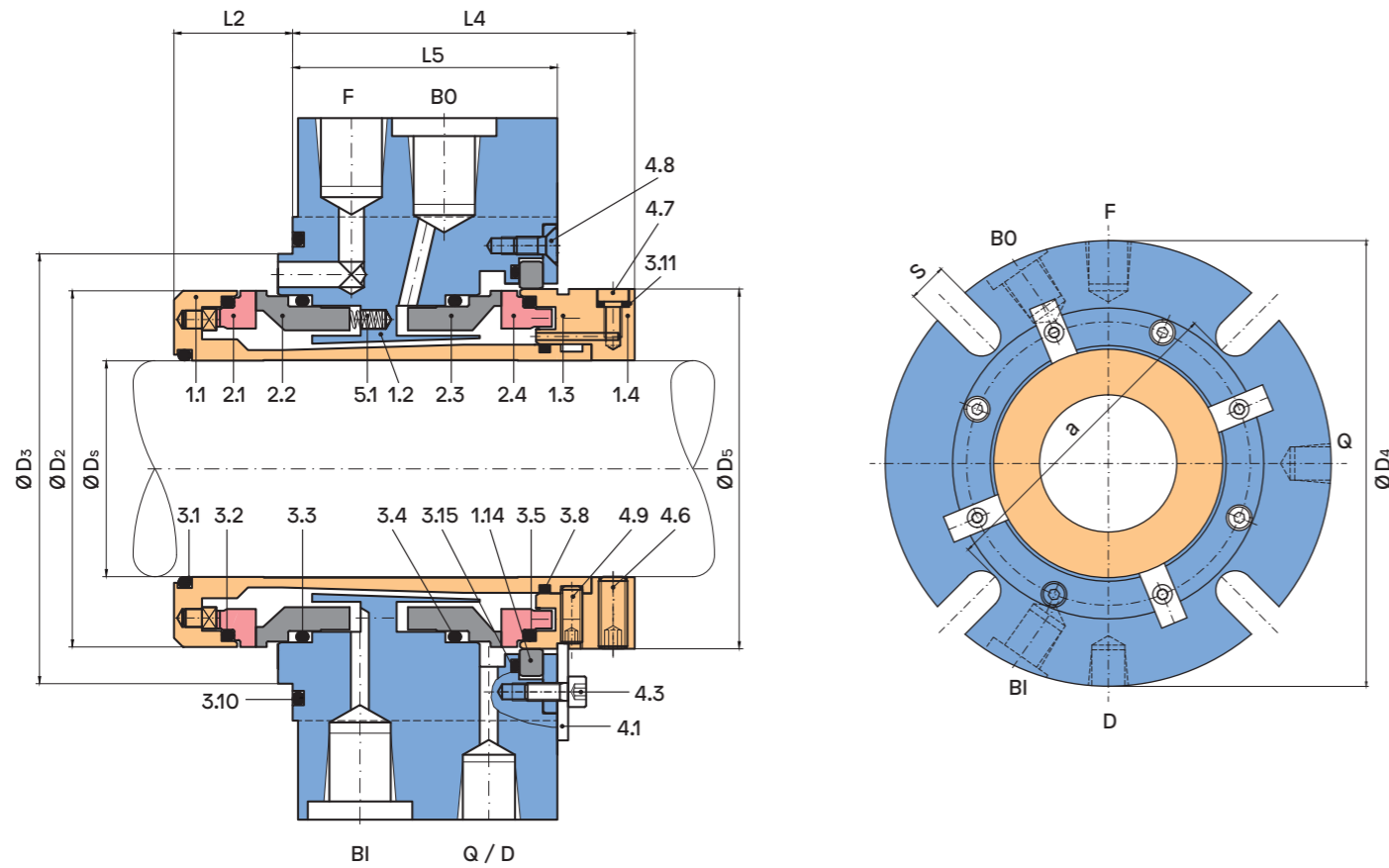
Bill of materials

Item	Description	Material
1.1	Sleeve	1.4571
1.14	Throttle bushing	CA
1.2	Gland	1.4571
1.3	Throttle bushing retainer	1.4571
1.4	Adjusting ring	1.4571
2.1	Inside dynamic seal face	SC/SSIC/TC
2.2	Inside stationary seal face	CA/SC/SSIC/TC
2.3	Outside stationary seal face	CA/SC/SSIC/TC
2.4	Outside dynamic seal face	SC/SSIC/TC
4.1	Centring piece	VA
4.3	Screw	VA
4.6	Screw	VA
4.7	Bleed screw	VA
4.8	Screw	VA
4.9	Screw	VA
5.1	Spring	Hast. C

Other sizes, materials or construction variants on request or request.



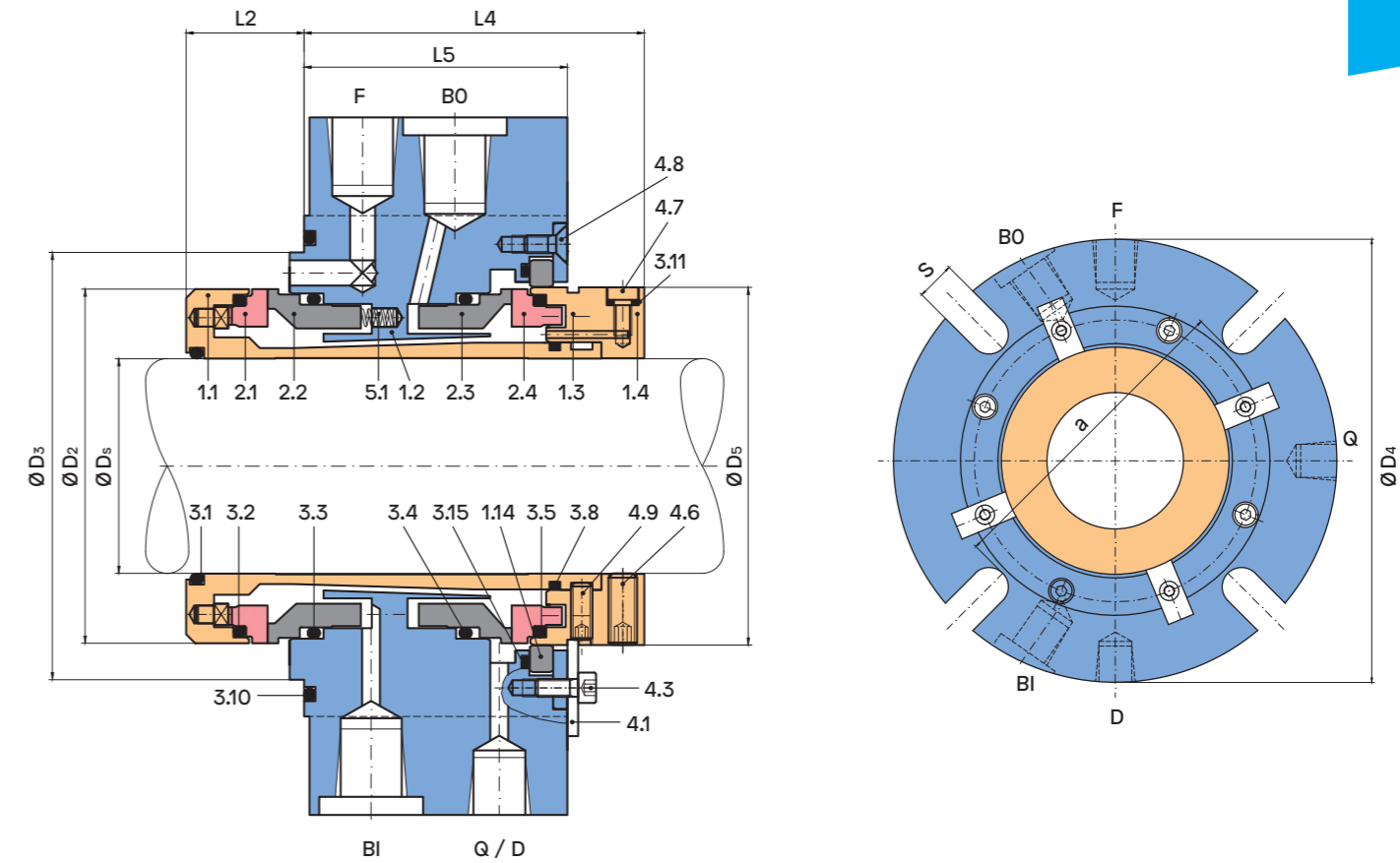
API mechanical seal Type 385



Dimension table Ø 20 – 110 mm

DS	D2	D3	D4	D5	L2	L4	L5	O-ring										
								a	s	3.1	3.2	3.3	3.4	3.5	3.8	3.10	3.11	3.15
20	59	69,5	135	60	33	95	73,5	88	13	211	225	226	226	225	119	234	007	038
30	69	79,5	145	70	33	95	73,5	98	13	217	229	229	229	229	126	237	007	041
40	79	89,5	155	80	33	95	73,5	108	13	223	232	232	232	232	132	240	007	043
50	89	99,5	175	90	33	95	73,5	120	17	226	235	235	235	235	138	244	007	044
60	99	119,5	195	100	33	95	73,5	140	17	229	238	238	238	238	144	250	007	156
70	109	129,5	205	110	33	95	73,5	150	17	232	241	241	241	241	150	253	007	158
80	119	139,5	215	120	33	95	73,5	160	17	236	244	244	244	244	152	256	007	159
90	129	159,5	290	130	33	95	73,5	180	21	239	247	248	248	247	154	260	007	161
100	139	169,5	300	140	33	95	73,5	190	21	242	251	251	251	251	155	262	007	163
110	149	179,5	310	150	33	95	73,5	200	21	245	254	254	254	254	157	263	007	165

API mechanical seal Type 385



Dimension table Ø 0,787 – 4,331 inches

DS	D2	D3	D4	D5	L2	L4	L5	O-ring										
								a	s	3.1	3.2	3.3	3.4	3.5	3.8	3.10	3.11	3.15
0,787	2,323	2,736	5,315	2,362	1,299	3,740	2,894	3,465	0,512	211	225	226	226	225	119	234	007	038
1,181	2,717	3,130	5,709	2,756	1,299	3,740	2,894	3,858	0,512	217	229	229	229	229	126	237	007	041
1,575	3,110	3,524	6,102	3,150	1,299	3,740	2,894	4,252	0,512	223	232	232	232	232	132	240	007	043
1,969	3,504	3,917	6,890	3,543	1,299	3,740	2,894	4,724	0,669	226	235	235	235	235	138	244	007	044
2,362	3,898	4,705	7,677	3,937	1,299	3,740	2,894	5,512	0,669	229	238	238	238	238	144	250	007	156
2,756	4,291	5,098	8,071	4,331	1,299	3,740	2,894	5,906	0,669	232	241	241	241	241	150	253	007	158
3,150	4,685	5,492	8,465	4,724	1,299	3,740	2,894	6,299	0,669	236	244	244	244	244	152	256	007	159
3,543	5,079	6,280	11,417	5,118	1,299	3,740	2,894	7,087	0,827	239	247	248	248	247	154	260	007	161
3,937	5,472	6,673	11,811	5,512	1,299	3,740	2,894	7,480	0,827	242	251	251	251	251	155	262	007	163
4,331	5,866	7,067	12,205	5,906	1,299	3,740	2,894	7,874	0,827	245	254	254	254	254	157	263	007	165

Notes

Lined area for writing notes, consisting of 22 horizontal lines.



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