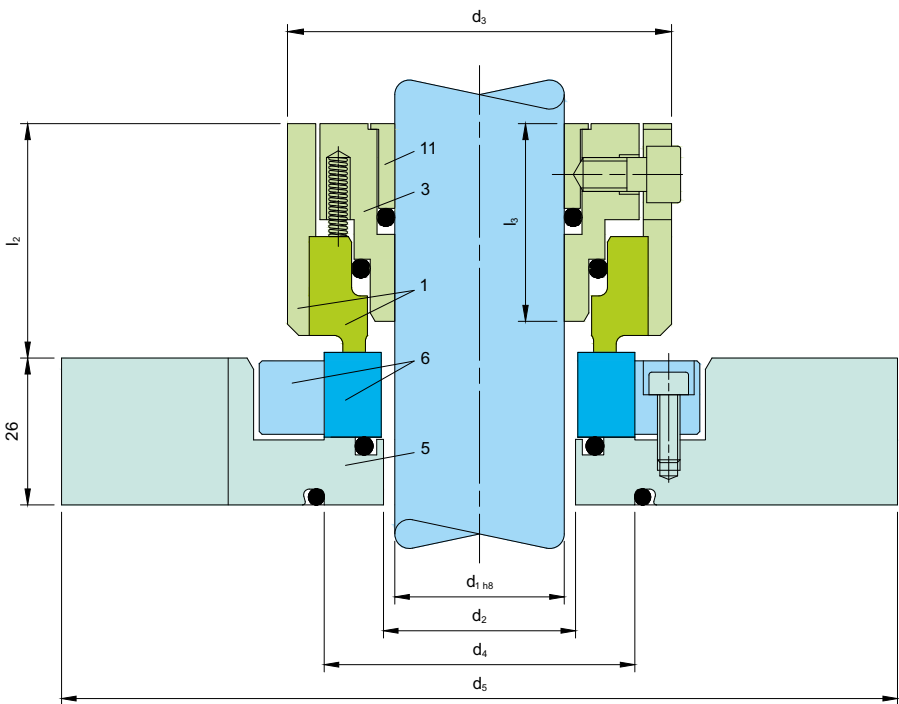


Product Description

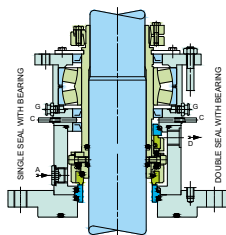
- 1. Single and Dual seal configuration
- 2. Balanced design
- 3. Independent of direction of rotation
- 4. Cartridge construction
- 5. Designed for dry running applications
- 6. Designed for top entry vessels, side entry can be provided upon request
- 7. Rotary unit with multiple springs

Technical Features

- 1. Over all connecting dimensions are tailor made to customer's specifications
- 2. Can accommodate reverse pressure
- 3. The seal design is unique as it closes due to the hydraulic product pressure as well as overlaying barrier pressure
- 4. Rugged design to ensure long term reliability and operating life
- 5. Seals are assembled in cartridge construction for easy fitment and are also available in component design as per customer specification



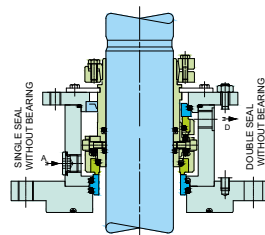
Design Variations



MXS-110

The MXS-110 is equipped in addition with a sleeve for trapping any abrasive particles from the seal face. Contamination of the medium in the container is thus ruled out. The sleeve can be cleaned through a flushing bore.

Please note: diameters (d_2 to d_5) increase to the next possible design size.



Single Seal Variants

MXS184

Single seal

MXS184L

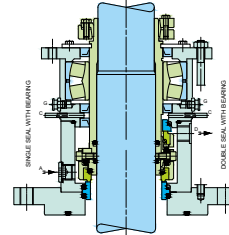
Single seal with integrated floating bearing.

MXS154

All types of the MXS184 range available for unstepped shafts (all diameters). Seal identification: MXS154 ... Customized design or e.g. different drives (torque transmissions) are available.

MXS164 / 194

For glass-lined vessels. Dimensions as U164



Double Seal Variants

MXS184-D

Double seal

MXS184L-D

Double seal with integrated floating bearing

These seals are designed to be self-closing on the product side, i.e. they will remain closed even with pressure variations or a pressure reversal. Operation is optionally the same as for the single version. In view of the mechanical seal on the atmosphere side it can be used as a Barrier pressurized double seal. The barrier pressure should be 0.5 ... 1.0 bar (7.25 ... 15 PSI) above pressure to be sealed.

Dimensional Data

Dimensions in millimeter

d_1 (mm)	d_1 (inch)	d_2	d_3	d_4	d_5	l_2	l_3	a_1 (min)	a_1 (max)	s
25	1.000	34	68	-	148	41.5	40.5	100	132	11
28	1.125	34	68	55	148	41.5	40.5	100	132	11
30	-	34	68	55	148	41.5	40.5	100	132	11
32	1.250	39	73	60	153	41.5	40.5	105	137	11
35	1.375	39	73	60	153	41.5	40.5	105	137	11
38	1.500	44	78	65	158	41.5	40.5	110	142	11
40	-	44	78	65	158	41.5	40.5	110	142	11
45	1.625	49	83	68	163	41.5	40.5	115	152	11
-	1.750	49	83	68	163	41.5	40.5	115	152	11
48	1.875	54	88	73	178	41.5	40.5	125	160	14
50	-	54	88	75	178	41.5	40.5	125	160	14
55	2.000	59	93	78	183	41.5	40.5	130	165	14
-	2.125	59	93	78	183	41.5	40.5	130	165	14
60	2.250	64	98	85	183	41.5	40.5	135	170	14
65	2.375	69	103	90	193	44.5	40.5	140	175	14
-	2.500	69	103	90	193	44.5	40.5	140	175	14
70	2.625	74	108	95	198	44.5	43.5	145	180	14
-	2.750	74	108	95	198	44.5	43.5	145	180	14
75	2.875	79	113	100	203	44.5	43.5	150	185	14
80	3.000	84	118	105	208	44.5	43.5	155	190	14
85	3.250	89	123	110	213	44.5	43.5	160	195	14
90	3.500	94	128	115	218	44.5	43.5	165	200	14
95	3.750	99	133	120	223	44.5	43.5	170	205	14
100	-	104	138	125	228	44.5	43.5	175	210	14
105	4.000	109	143	130	233	44.5	43.5	180	215	14
110	4.250	114	148	135	238	44.5	43.5	185	220	14
115	4.500	119	153	140	267	44.5	43.5	196	243	18
125	4.750	129	163	150	277	44.5	43.5	206	253	18
140	5.000	144	178	165	297	44.5	43.5	221	273	18
-	5.250	144	178	165	297	44.5	43.5	221	273	18
-	5.500	144	178	165	297	44.5	43.5	221	273	18
150	5.750	154	188	175	307	44.5	43.5	231	283	18
160	6.000	164	198	185	317	44.5	43.5	241	293	18
-	6.250	164	198	185	317	44.5	43.5	241	293	18

MXS164 - Dimensions in millimeter

$d_3^{1)}$	$d_7^{1)}$	d_1	$n \times d_2$	d_4	d_0	k	L_1	L_2	$L_w^{2)}$	l_1	l_2	A	M ₁	M ₁	A, B
40	38	175	4x18	110	90	145	87	136	143	15	28	122	M12	M16	G3/8
50	48	240	8x18	176	135	210	89	149	148	17	28	157	M12	M16	G3/8
60	58	240	8x18	176	135	210	93.5	156	158	17	28	168	M12	M16	G3/8
80	78	275	8x22	204	155	240	104.5	189	168	20	34	203	M16	M20	G1/2
100	98	305	8x22	234	190	270	109	190	178	20	34	228	M16	M20	G1/2
125	120	330	8x22	260	215	295	110	205	203	20	40	268	M20	M20	G1/2
140	135	395	12x22	313	250	350	124	222	208	20	40	285	M20	M20	G1/2
160	150	395	12x22	313	265	350	127.5	219.5	213	25	40	297	M20	M20	G1/2
180	170	445	12x22	364	310	400	132.5	230	233	25	45	332	M24	M20	G1/2
200	190	445	12x22	364	310	400	137.5	237.5	243	25	45	352	M24	M20	G1/2
220	210	505	16x22	422	340	460	149.5	249.5	263	25	50	381	M24	M20	G1/2

1) Shaft diameters d_1 and d_7 to DIN 28154

2) Shaft step to DIN 28154

inch size available from size 1.500 to 6.500

Note: Additional technical & dimensional information will be provided on request.

The specifications, drawings, images etc included in this catalogue are intended to be generic and must be interpreted as equivalent or functionally equivalent, more specifically the performance capabilities mentioned in this catalogue is based on optimum values, however the performance of the product is dependent on size, material of construction, media, pressure, temperature, sliding velocity etc and it shall vary from size to size or application to application. Customers are requested to consult with Sealmatic before employing the product from this catalogue for any application.