



The DEPAC type 140 is an externally mounted, dynamic single-component seal. Externally mounted mechanical seals are the solution where there is little space in the seal chamber, in addition to which no metal comes into contact with the medium that is to be sealed. The DEPAC type 140 is therefore a cost-effective variant for aggressive media. The balancing results in lower face friction and thus less wear, which is reflected by an optimisation of the service life. The DEPAC type 140 is ideally combined with the gland type 510 and the stationary part DS7.

Advantages

- Mounted outside
- No metal parts in contact with the medium
- No set screws
- Balanced
- Independent of the direction of rotation
- Multiple springs made of Hastelloy C
- Springs outside the medium - no blockage of the springs
- Simple mounting

Mechanical seal

Type 140

Technical specifications

Area of application*

Pressure:	700 mm Hg to 30 bar
Temperature:	dependent on elastomer
Sliding speed:	up to 25 m/s
Shaft movements:	axial +/- 1.0 mm radial +/- 1.0 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

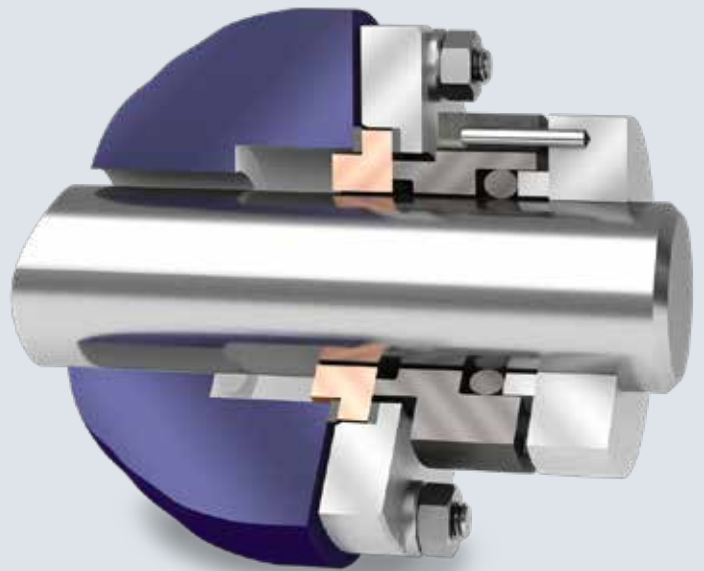
Shaft diameter:	24 – 160 mm ¾" – 4" Special sizes on enquiry
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Bill of materials

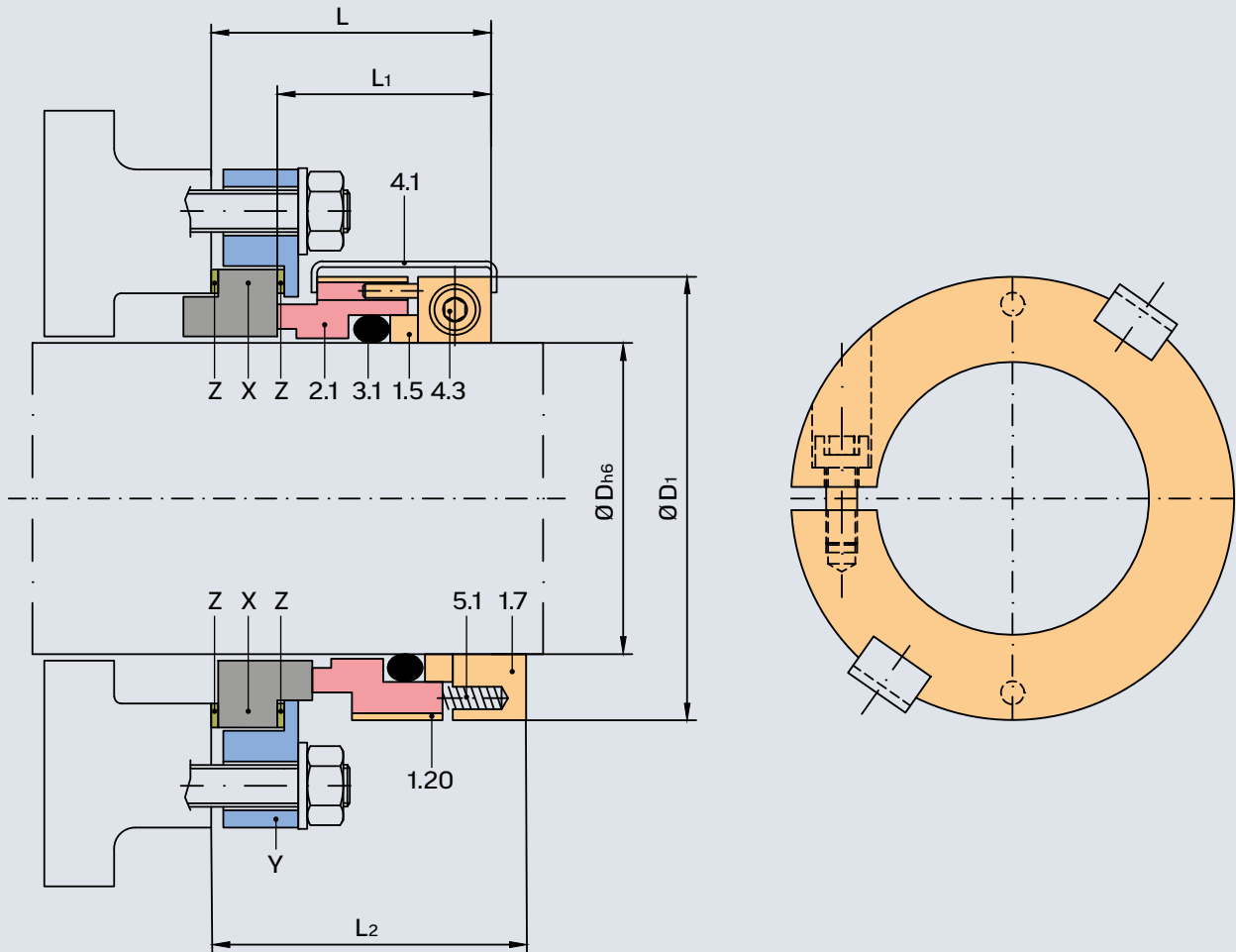
Item	Description	Material
1.20*	Metal band	1.4571
1.5	Thrust ring	1.4571
1.7	Retainer	1.4571
2.1	Dynamic seal face	CA/SC/SSIC/TC
3.1	O-ring	FKM, EPDM, Kalrez®, PTFE,...
4.1	Mounting clamp	1.4571
4.3	Cheesehead screw	A2
5.1	Spring	2.4610
X**	Stationary part type DS7	SC/SSIC/TC
Y**	Gland type 510	1.4571
Z**	Flat gasket	Klingersil® C-4300

* Only with dynamic seal face made of CA
**Not included in the scope of delivery

Other materials on enquiry!



Mechanical seal Type 140 Data sheet



Dimension table Ø 24 – 100 millimetres

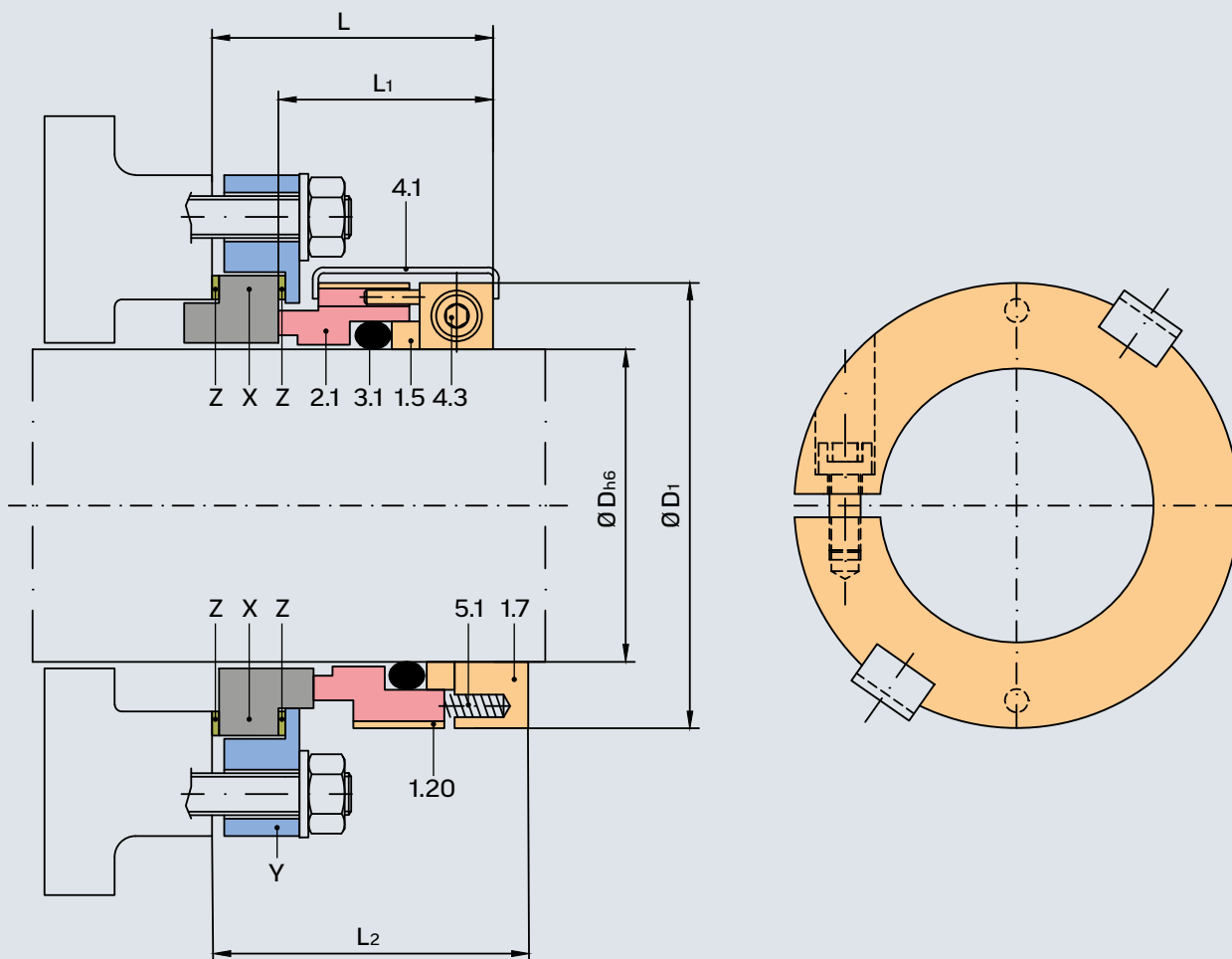
D _{h6}	D ₁	L	L ₁	L ₂	O-ring DASH no. 3.1
24	51	49	38	55	318
25	52	49	38	55	318
28	55	49	38	55	320
30	57	49	38	55	321
32	59	49	38	55	323
33	60	49	38	55	323
35	62	49	38	55	324
38	65	49	38	55	325
40	67	49	38	55	326
43	70	49	38	55	327
45	72	49	38	55	327
48	75	49	38	55	328

D _{h6}	D ₁	L	L ₁	L ₂	O-ring DASH no. 3.1
50	77	49	38	55	329
53	80	49	38	55	330
55	82	49	38	55	331
60	87	49	38	55	332
65	92	49	38	55	334
70	97	61	41	67	335
75	102	61	41	67	337
80	107	61	41	67	339
85	112	61	41	67	340
90	117	61	41	67	342
95	122	61	41	67	343
100	127	61	41	67	345

Mechanical seal

Type 140

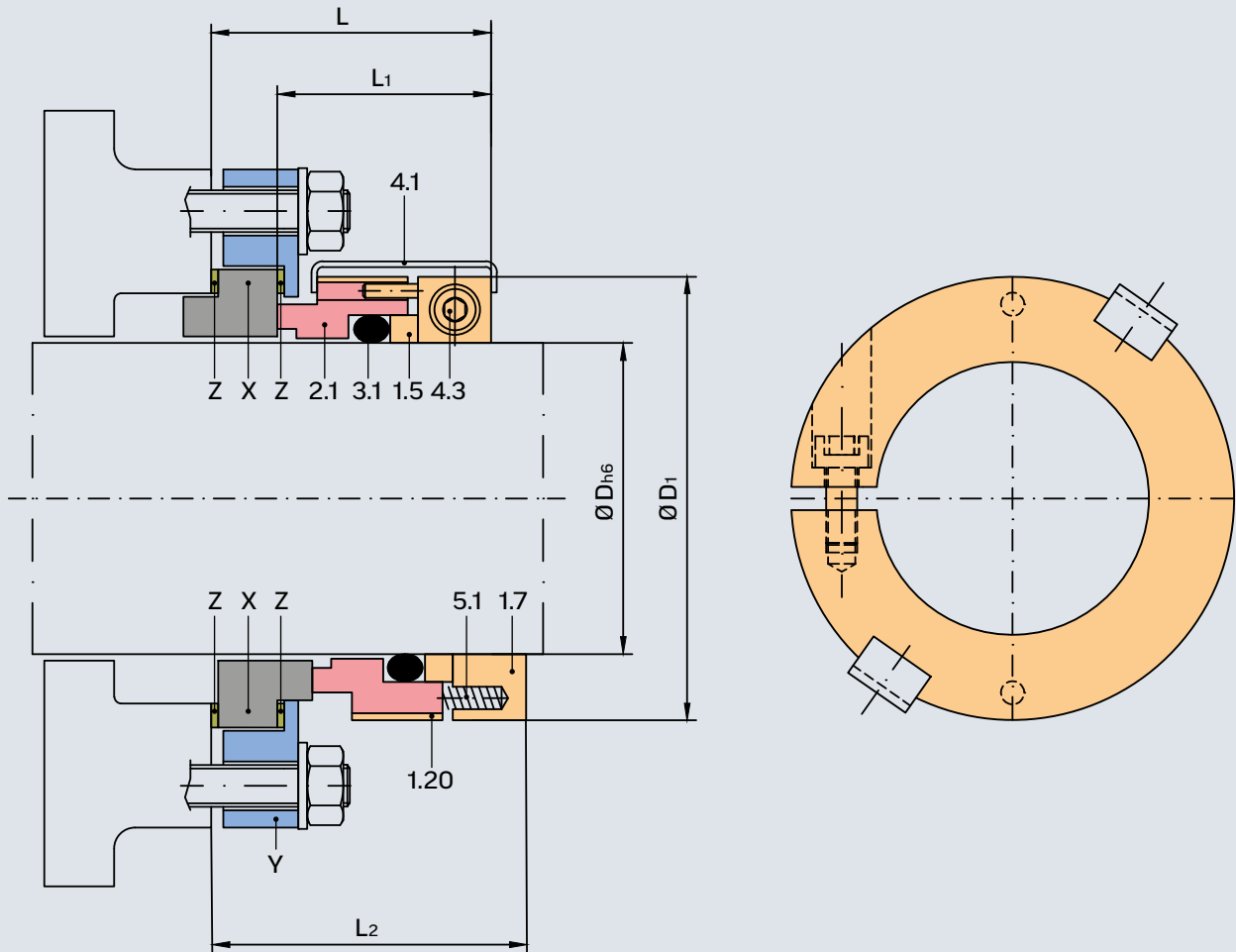
Data sheet



Dimension table Ø 105 - 160 millimetres

D _{h6}	D ₁	L	L ₁	L ₂	O-ring DASH no. 3.1
105	135	67	47	73	346
110	140	67	47	73	348
115	145	67	47	73	350
120	150	67	47	73	351
125	155	67	47	73	353
130	160	67	47	73	354
135	165	67	47	73	356
140	170	67	47	73	357
145	175	67	47	73	359
150	180	67	47	73	361
155	185	67	47	73	362
160	190	67	47	73	362

Mechanical seal Type 140 Data sheet



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

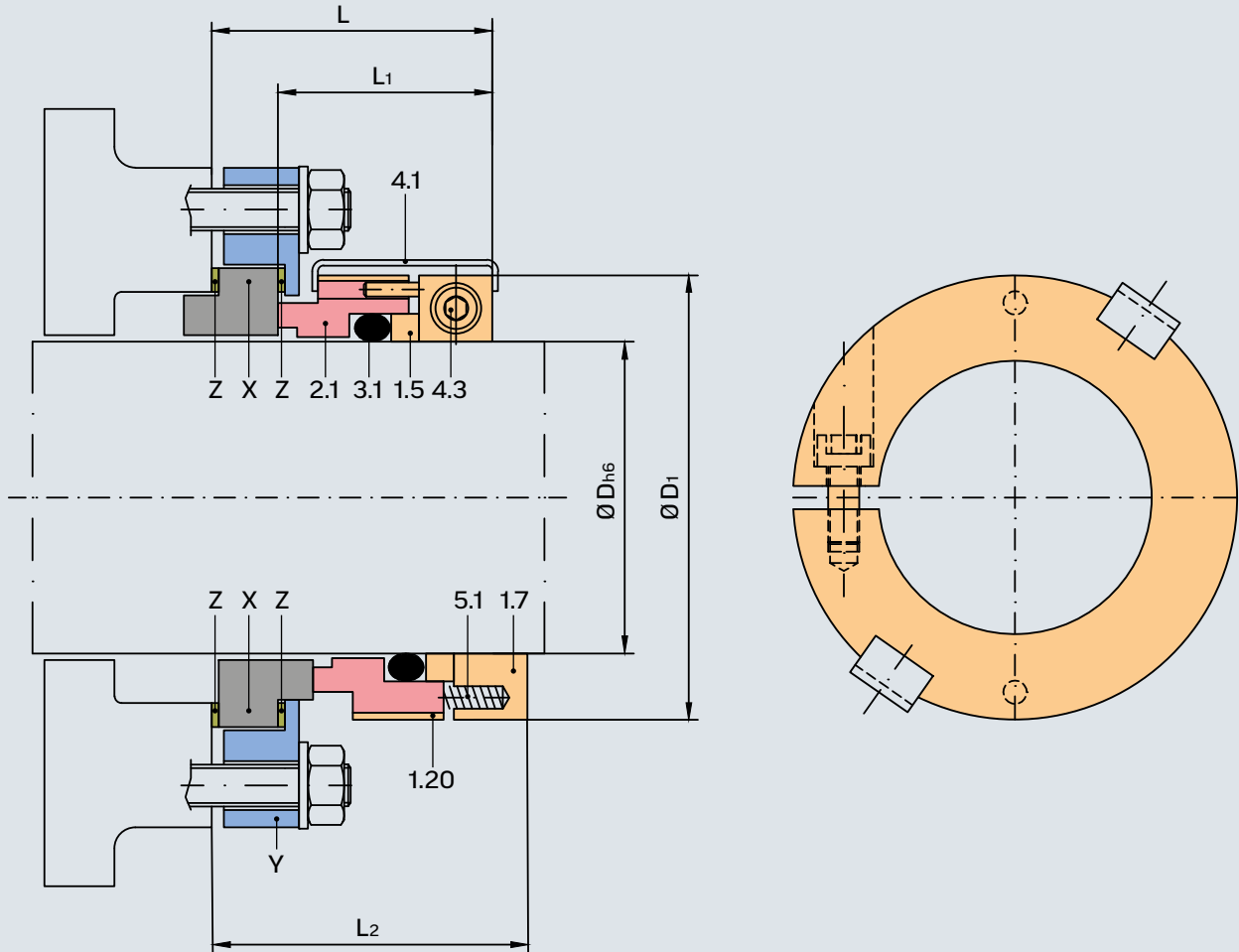
Dh6	D1	L	L1	L2	O-ring DASH no. 3.1
$\frac{3}{4}$		1.929	1.496	2.165	315
$\frac{7}{8}$	2.008	1.929	1.496	2.165	318
1	2.047	1.929	1.496	2.165	318
$1 \frac{1}{8}$	2.165	1.929	1.496	2.165	320
$1 \frac{1}{4}$	2.323	1.929	1.496	2.165	323
$1 \frac{3}{8}$	2.441	1.929	1.496	2.165	324
$1 \frac{1}{2}$	2.441	1.929	1.496	2.165	325
$1 \frac{5}{8}$	2.559	1.929	1.496	2.165	325
$1 \frac{3}{4}$	2.717	1.929	1.496	2.165	326
$1 \frac{7}{8}$	2.835	1.929	1.496	2.165	328
$1 \frac{7}{8}$	2.953	1.929	1.496	2.165	328
2	3.031	1.929	1.496	2.165	329

Dh6	D1	L	L1	L2	O-ring DASH no. 3.1
$2 \frac{1}{8}$	3.150	1.929	1.496	2.165	330
$2 \frac{1}{4}$	3.346	1.929	1.496	2.165	331
$2 \frac{3}{8}$	3.425	1.929	1.496	2.165	332
$2 \frac{1}{2}$	3.425	1.929	1.496	2.165	333
$2 \frac{5}{8}$	3.661	1.929	1.496	2.165	334
$2 \frac{3}{4}$	3.819	2.402	1614	2.638	335
$2 \frac{7}{8}$	3.976	2.402	1614	2.638	336
3	4.094	2.402	1614	2.638	337
$3 \frac{1}{8}$	4.213	2.402	1614	2.638	338
$3 \frac{1}{4}$	4.350	2.402	1614	2.638	339
$3 \frac{3}{8}$	4.409	2.402	1614	2.638	340
$3 \frac{1}{2}$	4.606	2.402	1614	2.638	341

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Data sheet



Dimension table Ø 3 5/8 - 4 inches

D _{h6}	D ₁	L	L ₁	L ₂	O-ring DASH no. 3.1
3 5/8	4.724	2.402	1.614	2.638	342
3 7/8	4.803	2.402	1.614	2.638	343
4	5.059	2.402	1.614	2.638	345