



DEPAC offers a complete range of mechanical seals with a short bellows design at a very competitive price especially for OEMs. The various versions are designed for applications in the most diverse installation spaces. All DEPAC mechanical seal variants can be supplied with various DEPAC stationary parts. The stationary parts that should be favoured in terms of design are illustrated in the sectional drawings and taken into account in the installation lengths. Other stationary parts change the installation length. Use this inexpensive alternative mechanical seal, especially if you need large quantities.

Advantages

- L1KU installation length with stationary part DS1 and DS2
- Rotating unit already preassembled
- Independent of the direction of rotation
- No seizing of O-rings
- Wide area of applications
- Low costs
- Use with various stationary parts possible
- No scoring of shafts and shaft sleeves
- Optimal damping of shock and vibration movements

Mechanical seal

Type 175A

Technical specifications

Area of application*

Pressure: up to 10 bar
Temperature: dependent on elastomer
Sliding speed: up to 15 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.

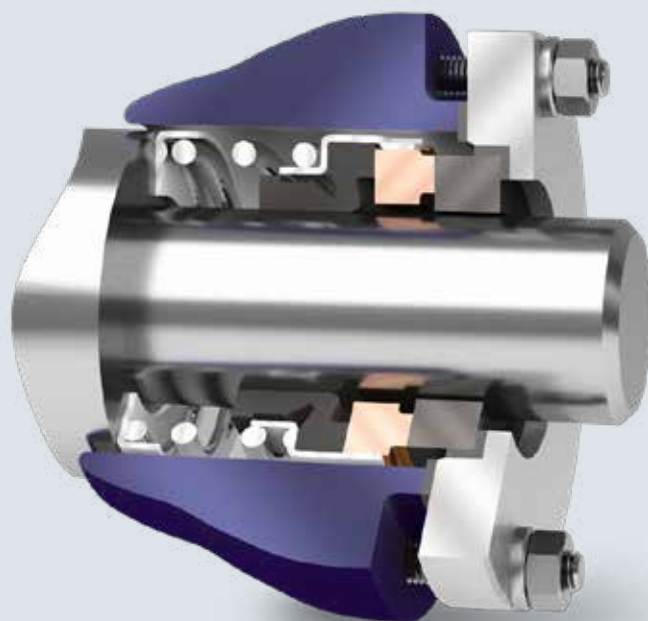
Dimensions

Shaft diameter: 10 – 80 mm
Imperial and special sizes on enquiry

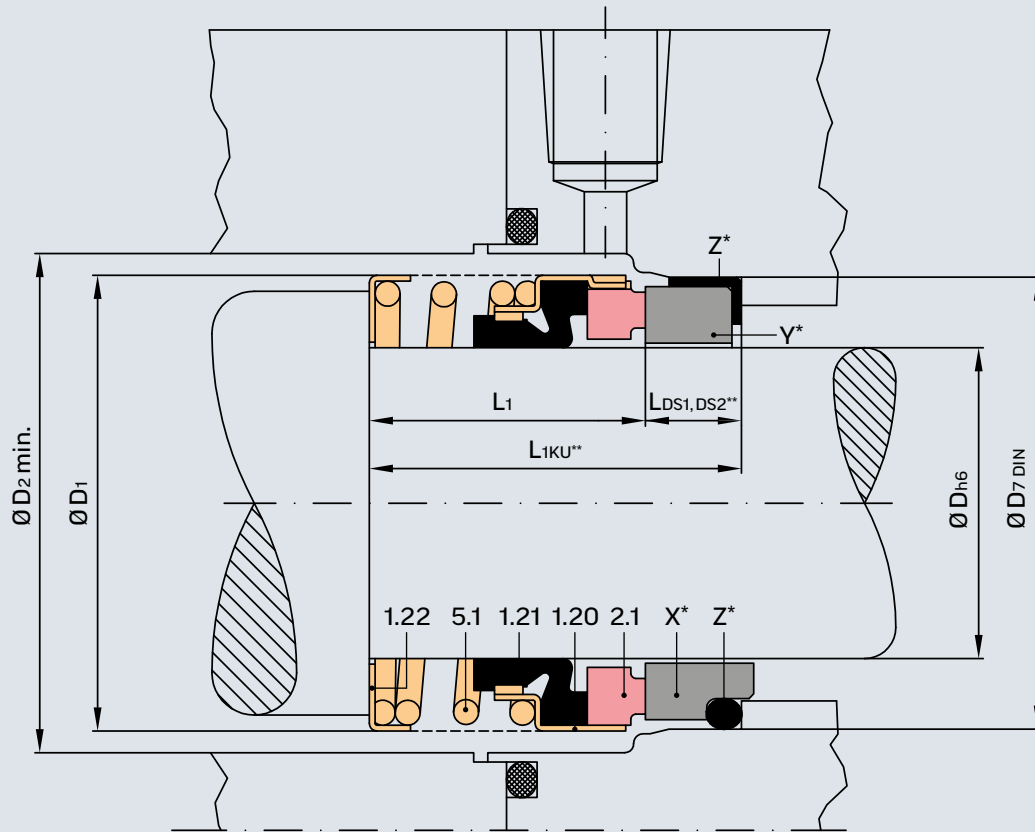
Bill of materials

Item	Description	Material
1.21	Bellows	FKM, NBR, EPDM
1.20, 1.22	Angle ring	1.4301
2.1	Dynamic seal face	CA, SC, SSIC
5.1	Spring	1.4310
X*	Stationary part DS1, DS2	SC, SSIC, TC
Y*	Stationary part DS4	CE, SC
Z*	O-ring or profile seal	FKM, EPDM, PTFE

* Not included in the scope of delivery!



Mechanical seal Type 175A Data sheet



Dimension table Ø 10 – 80 millimetres

D _{h6}	D ₁	D _{2 min.}	D _{7 DIN}	L ₁	L _{1KU**}	L _{DS1, DS2**}
10	20	22	21	24.7	32.5	7.8
12	22	24	23	24.7	32.5	7.8
14	24	26	25	27.2	35	7.8
16	26	28	27	27.2	35	7.8
18	32	34	33	27.3	37.5	10.2
20	34	36	35	27.3	37.5	10.2
22	36	38	37	27.3	37.5	10.2
24	38	40	39	29.8	40	10.2
25	39	41	40	29.8	40	10.2
28	42	44	43	32.3	42.5	10.2
30	44	46	45	32.3	42.5	10.2
32	46	48	48	32.3	42.5	10.2
33	47	49	48	32.3	42.5	10.2
35	49	51	50	32.3	42.5	10.2

D _{h6}	D ₁	D _{2 min.}	D _{7 DIN}	L ₁	L _{1KU**}	L _{DS1, DS2**}
38	54	57	56	33.3	45	11.7
40	56	59	58	33.3	45	11.7
43	59	62	61	33.3	45	11.7
45	61	64	63	33.3	45	11.7
48	64	67	66	33.3	45	11.7
50	66	69	70	33.8	47.5	13.7
53	69	72	73	33.8	47.5	13.7
55	71	74	75	33.8	47.5	13.7
60	80	84	80	38.8	52.5	13.7
65	85	89	85	38.8	52.5	13.7
70	90	94	92	44.4	60	15.6
75	99	103	97	44.4	60	15.6
80	104	108	105	43.7	60	16.3

** Illustration and length L_{1KU}: Stationary part DS1 and DS2