

RELY ON EXCELLENCE

ED560

Mechanical seals | Mechanical seals for pumps | Elastomer bellows seals



Features

- Dual seal
- Good chemical resistance and ability to handle solids
- In-house manufactured sliding parts

Advantages

The ED560 is a dual seal in a back-to-back arrangement with an EA560 base. Therefore, the seal combines the advantages of the EA560 with the advantages of a dual seal.

Operating range

Shaft diameter:
 $d_1 = 13 \dots 50 \text{ mm}$ (0.51" ... 1.96")
Pressure:
 $p_1 = d \leq 19 \text{ mm}$: 2 bar (29 PSI),
 $d \geq 20 \text{ mm}$: 3 bar (44 PSI),
vacuum ... 0.1 bar (1.45 PSI)
Temperature:
 $t = -20 \text{ °C} \dots +70 \text{ °C}$ (-4 °F ... 158 °F)
Sliding velocity: $v_g = 5 \text{ m/s}$ (16 ft/s)
Axial movement: $\pm 1.0 \text{ mm}$

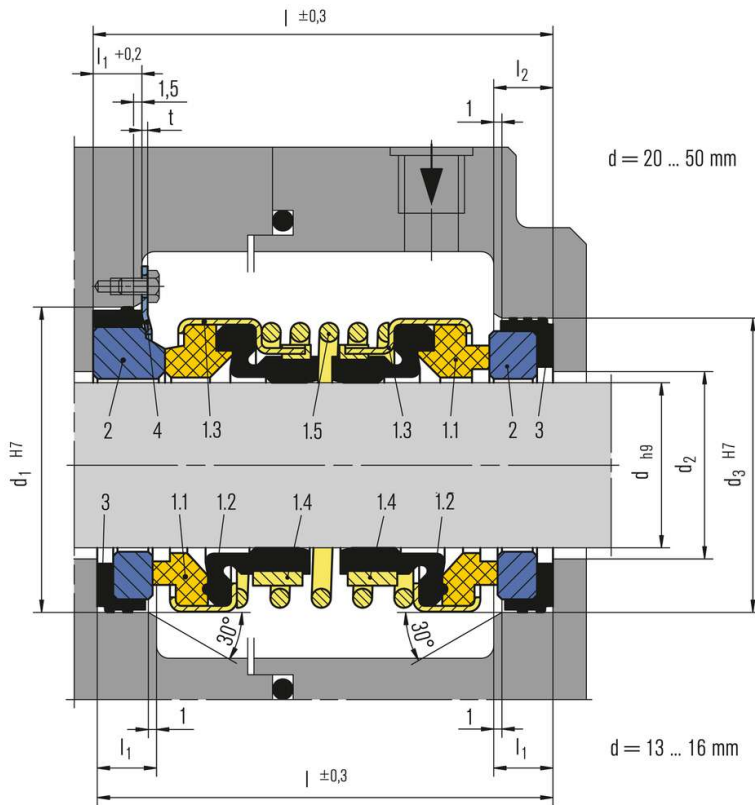
Materials

Seal face: Carbon graphite resin impregnated (B), Silicon carbide (Q1, Q2)
Seat: Aluminium oxide (V), Silicon carbide (Q1, Q2)
Elastomer: NBR(P)
Metal parts: CrNi steel (F)

Recommended applications

- Water and waste water technology
- Chemical industry
- Process industry
- Water and waste water
- Glycols
- Oils
- Industrial pumps/equipment
- Submersible pumps
- Engine pumps
- Circulating pumps

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Item Description

- 1.1 Seal face
- 1.2 Bellows
- 1.3 Spring collar
- 1.4 Drive collar
- 1.5 Spring
- 2 Seat
- 3 Corner sleeve
- 4 Washer

Dimensions

d	d ₁	d ₂	d ₃	d ₄	d ₅	l	l ₁	l ₂	l ₃
13	25	17	25	-	-	36	5	-	-
14	30	20	30	-	-	36	5	-	-
15	30	20	30	-	-	36	5	-	-
16	30	20	30	-	-	36	5	-	-
20	44	23	38	60	72	49	7	7	1.0
25	50	28	44	60	72	51	9	7	1.0
30	57	33	50	70	82	59	9	8	1.0
35	65	38	58	80	94	61	9	9	1.2
40	70	43	64	85	100	64.5	11	9	1.2
45	70	48	66	90	105	65	10	9	1.0
50	80	53	72	95	109	69.5	10	9	1.2

Dimensions in Millimeter