

# 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:

$d_1 = 13 \dots 50 \text{ mm} (0.51" \dots 1.96")$

Pressure:

$p_1 = d \leq 19 \text{ mm}: 2 \text{ bar} (29 \text{ PSI}),$

$d \geq 20 \text{ mm}: 3 \text{ bar} (44 \text{ PSI}),$

vacuum ... 0.1 bar (1.45 PSI)

Temperature:

$t = -20 \text{ °C} \dots +70 \text{ °C} (-4 \text{ °F} \dots 158 \text{ °F})$

Sliding velocity:  $v_g = 5 \text{ m/s} (16 \text{ ft/s})$

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)

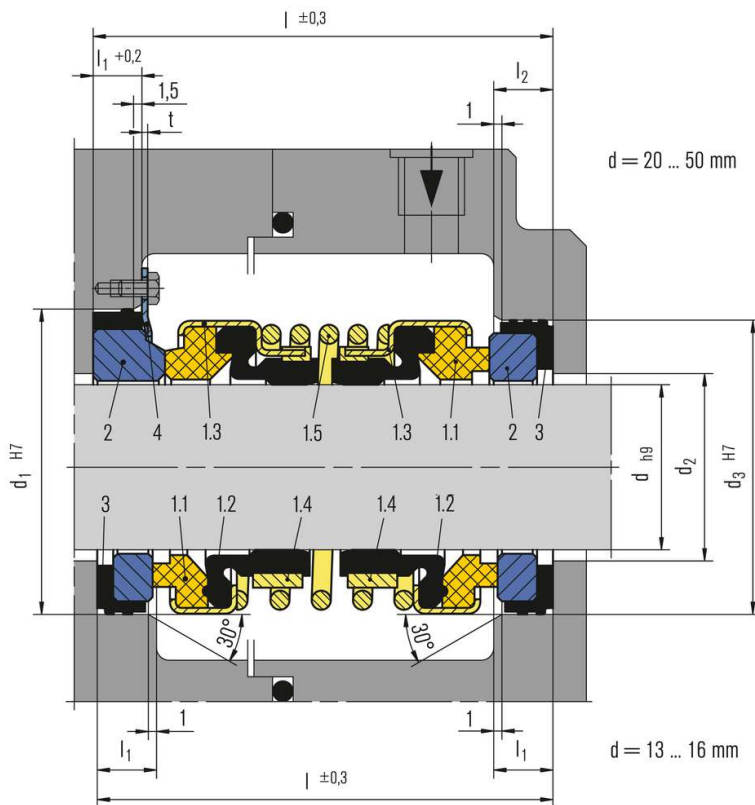
Elastomer: NBR (P)

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

## RELY ON EXCELLENCE



### 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 <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub>	l	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>
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

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications, however, means that they can serve only as guide values.

We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. This is subject to change.

RELY ON EXCELLENCE

---

[eagleburgmann.com](http://eagleburgmann.com)  
[info@eagleburgmann.com](mailto:info@eagleburgmann.com)

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications, however, means that they can serve only as guide values.

We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. This is subject to change.