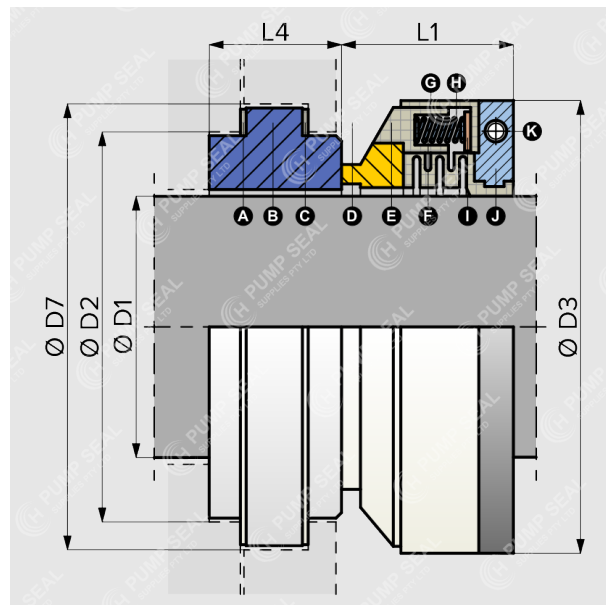


H10T / H10R

'TYPE 10T / 10R

SPECIFICATION SHEET



- **Externally Mounted**
- **PTFE Bellows, Compact**
- **Multi-Spring Pusher**
- **Imperial & Metric Sizes**
- **Suits Chemicals & Corrosives**

H10T & H10R are mechanical seals designed to be mounted externally, such that no metal parts are in contact with the process fluid. This makes it ideal for use with highly acidic or chemically corrosive media.

The bellows is extended to allow a two-piece split clamp to tighten and drive the rotary.

The seal is based on the "10T & 10R" designs, where H10T PTFE face is non-replaceable, and H10R seal face is replaceable in hard materials.

► Operating conditions¹

Temperature: -45°C to +120°C
 Pressure: < 13 bar, 185 psi, 1.3 MPa
 Speed: < 16m/s, 3150 fpm
 rpm < 960000/(79.8 x D1 inch)
 rpm < 960000/(3.14 x D1 mm)

► H10T - Materials:

Rotary Face: Glass-filled PTFE
 Stationary Face: CER
 Metal Parts: 304SS
 All Other Parts: Virgin PTFE

► H10R - Materials:

Rotary Face: SiC
 Stationary Face: SiC
 Metal Parts: 304SS
 All Other Parts: Virgin PTFE

PARTS

- A Stationary PTFE Gasket
- B Stationary Face / Ring
- C Stationary PTFE Gasket
- D Rotary Face / Ring
- E Rotary PTFE Holder
- F Rotary PTFE Bellows
- G Rotary PTFE Cover
- H Rotary Multi-Springs
- I Rotary Washer (Bakelite)
- J Rotary Split Clamp
- K Rotary Cap Screws

SEAT OPTIONS

V10 standard
 U alternative, flushed

EQUIVALENT

10T / 10R
 RB853 / RB854

DIMENSIONS

D1 = Shaft Size D7 = Seat Cavity D2 = Seat Step Cavity
 D3 = Rotary OD L4 = Seat Height L1 = Rotary W.L.

	D1	D3	D2	D7	L4	L1
0.750"	16/18	54.0	36.51	48.0	17.6	31.0
0.875"	20/22	57.0	39.69	51.0	17.6	31.0
	24mm	61.0	42.86	54.0	17.6	33.0
1.000"	25mm	61.0	42.86	54.0	17.6	33.0
1.125"	28mm	67.0	50.80	65.0	27.0	36.0
	30mm	70.0	53.98	68.0	27.0	37.0
1.250"	32mm	70.0	53.98	68.0	27.0	37.0
	33mm	73.0	57.15	71.0	27.0	38.0
1.375"	35mm	73.0	57.15	71.0	27.0	38.0
1.500"	38mm	76.0	63.50	78.0	27.0	38.0
1.625"	40mm	80.0	66.68	81.0	27.0	40.0
	43mm	83.0	69.85	84.0	27.0	40.0
1.750"	45mm	83.0	69.85	84.0	27.0	40.0
1.875"		86.0	73.03	87.0	27.0	43.0
	48mm	89.0	79.38	97.0	33.3	43.0
2.000"	50mm	89.0	79.38	97.0	33.3	43.0
2.125"	53mm	103.0	82.55	100.0	33.3	53.0
2.250"	55mm	107.0	85.73	103.0	33.3	53.0
	58mm	110.0	88.90	106.0	33.3	53.0
2.375"	60mm	110.0	88.90	106.0	33.3	53.0
2.500"	63mm	113.0	92.08	110.0	33.3	53.0
2.625"	65mm	116.0	95.25	113.0	33.3	53.0
	68mm	118.0	98.43	116.0	33.3	53.0
2.750"	70mm	118.0	98.43	116.0	33.3	53.0
2.875"		122.0	100.01	117.0	33.3	53.0
3.000"	75mm	126.0	103.19	121.0	33.3	53.0
3.250"	80mm	150.0	114.30	132.0	33.3	73.0
3.500"	85mm	156.0	120.65	138.0	33.3	73.0
	90mm	163.0	127.00	144.0	33.3	73.0
3.750"	95mm	163.0	127.00	144.0	33.3	73.0
4.000"	100mm	169.0	133.35	151.0	33.3	73.0

¹ Guide-values only (due to diversity of possible applications). Enquire for specific-use cases. Maximum values of each parameter cannot be applied together.