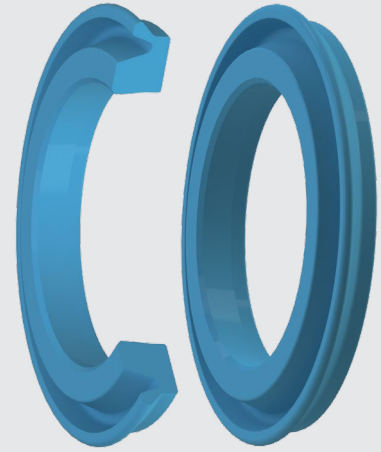


PISTON SEALS BECA 584



DESCRIPTION

The BECA 584 profile is a U-ring type piston seal with offset polyurethane lips.

ADVANTAGES

Excellent abrasion and wear resistance
Easy assembly by deformation

APPLICATIONS

Shock absorbers
Distributor
Standard cylinders

MATERIALS

PU 93 Shore A - Blue
PU 96 Shore A - Blue
High temp. PU 96 Shore A - Beige

Other grades of materials are available.
Please contact our experts.

TECHNICAL DATA

Temperature	-30°C / +110°C
Pressure	1.6 MPa
Speed	1 m/s
Media	Lubricated air Oil-free air Non-aggressive gases

The figures above indicate the maximum values and may not be cumulated. They may be developed, depending on the materials used.

EXTRUSION GAPS

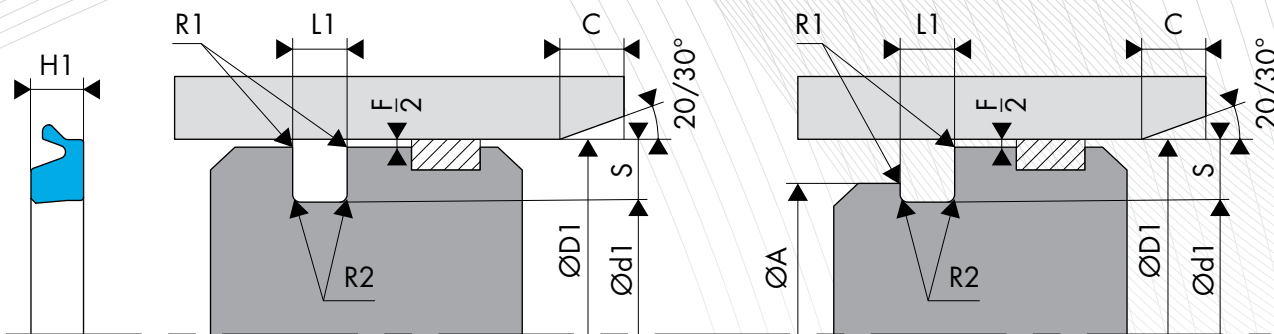
Pressure MPa	Radial gap F/2
1.2 MPa	0.25
1.6 MPa	0.13

SURFACE ROUGHNESS

Roughness	Dynamic surface area	Static surface area	Groove flanks
Ra	0.1 - 0.4 µm	≤1.6 µm	≤3.2 µm
Rz	0.63 - 2.5 µm	≤6.3 µm	≤10.0 µm
Rmax	1.0 - 4.0 µm	≤10.0 µm	≤16.0 µm

CHAMFERS AND RADIUS

Radial section S	Radius R1	Radius R2	Chamfer C
2.00	0.20	0.20	1.00
2.50	0.20	0.20	1.25
3.00	0.20	0.20	1.50
4.00	0.40	0.20	2.00
5.00	0.40	0.20	2.50
6.00	0.40	0.20	3.00



DIMENSIONS

Part number	Bore diameter ØD1 H10	Groove diameter Ød1 h9	Piston diameter ØA h9	Seal height H1	Groove width L1 0/+0.20
584.0080043	8.00	4.00	7.60	2.55	3.00
584.0100063	10.00	6.00	9.60	2.55	3.00
584.0120073	12.00	7.00	11.60	2.55	3.00
584.1207388	12.00	7.00	11.60	2.55	3.00
584.0150093	15.00	9.00	14.60	2.55	3.00
584.1509388	15.00	9.00	14.60	2.55	3.00
584.0160103	16.00	10.00	15.60	2.55	3.00
584.0160104	16.00	10.00	15.60	4.50	5.00
584.0160105	16.00	10.00	15.60	4.50	5.00
584.0200143	20.00	14.00	19.60	2.55	3.00
584.0250193	25.00	19.00	24.40	3.25	3.50
584.0280223	28.00	22.00	27.40	3.25	3.50
584.0300212	30.00	21.00	29.40	2.70	3.00
584.0300223	30.00	22.00	29.40	3.25	3.50
584.0300244	30.00	24.00	29.40	4.00	4.50
584.0320243	32.00	24.00	31.40	3.25	3.50
584.0380303	38.00	30.00	37.40	3.25	3.50
584.0400307	40.00	30.00	39.40	7.00	7.50
584.0400323	40.00	32.00	39.40	3.25	3.50
584.0500403	50.00	40.00	49.40	3.25	3.50
584.0500405	50.00	40.00	49.40	5.00	6.00
584.0500407	50.00	40.00	49.40	7.00	7.50
584.0500423	50.00	42.00	49.40	3.25	3.50
584.0550454	55.00	45.00	54.40	4.20	4.50
584.0600507	60.00	50.00	59.40	7.00	7.50
584.0630534	63.00	53.00	62.40	4.20	4.50
584.0630537	63.00	53.00	62.40	7.00	7.50
584.0550652	65.00	55.00	64.40	12.00	13.00
584.0680586	68.00	58.80	67.40	6.50	7.10
584.0700587	70.00	58.00	69.40	7.00	7.50
584.0800689	80.00	68.00	79.40	8.50	9.50
584.0860766	86.00	76.50	85.40	6.50	7.10
584.1100851	100.00	85.00	99.40	11.00	12.00
584.1000889	100.00	88.00	99.40	8.50	9.50
584.1251058	125.00	105.00	123.80	8.20	8.25
584.1251101	125.00	110.00	123.80	10.00	11.00
584.1301201	130.00	120.00	128.80	10.70	12.00
584.2502351	250.00	235.00	248.00	10.00	11.00