K85
Static Seal



K85 static seal is a double-acting sealing element manufactured from thermoplastic polyurethane, designed to provide sealing on its outer diameter.

Advantages

- Good sealing effect
- High extrusion resistance
- Simple installation
- Suitable for o-ring installation groove with or without backup ring

Application

- Forklift applications
- Standard industrial cylinders
- Mobile machinery
- Presses
- Injection moulding machines
- Cartridge valves

Operating Conditions

PRESSURE (bar):	500 bar (max)		
TEMPERATURE (°C):	-35/+100 °C	+5/+50 °C	-30/+40 °C
MEDIA TYPE	Mineral Oils	HFA/HFB	HFC

NOTE: The above values (speed, pressure, temperature) are maximum values, all cannot be used at the same time.

Material Information

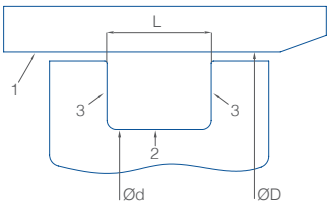
Static Seal	Remarks
Polyurethane-PU9401	Standard produced material code

Note: In the special application conditions (temperature, media, etc.) Can be produced from different materials. You can refer to Table 2.10 for details or you can contact our sales department.

Installation Information

Before installation, it should be ensured that the groove surfaces are proper and have no corrosion. It is important that there are no burrs or nicks in the surfaces. It is recommended to use installation tools without sharp edges.

Surface Roughness

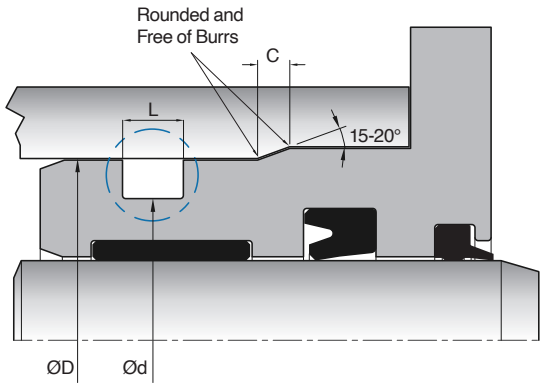


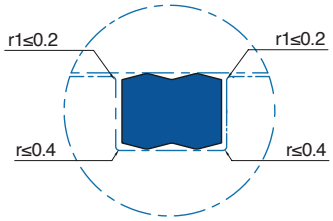
	1 (boru)	2 (groove base)	3 (groove flanks)
Ra	0.1-0.8 µm	0.2-1.6 µm	0.2-6.3 µm
Rmax	< 3.2 µm	< 6.3 µm	< 16 µm

Extrusion Gap «S»

For pressures up to 500 bar, in high diameter applications (bore diameter ≥ 350), it is recommended that the extrusion gap value should not exceed 0.15 mm.

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KASTAŞ NO	D (H8)	d (h9)	L (+0.2/-0)	KASTAŞ CODE
K85-018	18	14	5.8	10029213
K85-022	22	19.1	3.5	10029216
K85-022/2	22	19.6	3.6	10029218
K85-025	25	22.1	3.5	10029221
K85-026	26	22	4.4	10029223
K85-030	30	25.5	4.5	10029226
K85-035	35	30.5	4.5	10029230
K85-040	40	35.2	5.4	10029234
K85-044	44	39.5	4.5	10029238
K85-050	50	45.4	5.4	10029244
K85-050/1	50	44.6	6.2	10029246
K85-054	54	49.5	4.5	10029254
K85-058	58	53.4	3.9	10029258
K85-068	68	63.5	4.5	10029270
K85-070	70	64.6	6.2	10029272
K85-070/2	70	65	5	10029275
K85-075	75	69.6	6.2	10029277
K85-076	76.4	70	5.5	10029278
K85-085	85	81.5	4.5	10029286
K85-086	86	81.5	4.5	10029287
K85-086/1	86.4	80	5.5	10029288
K85-090	90	84.4	4.8	10029291
K85-100	100	94.4	5.3	10029297
K85-100/2	100	91.4	9	10029299
K85-100/4	100	93.8	6.9	10029301
K85-102	102	95.8	6.2	10029304
K85-111	111.4	105	5.5	10029307
K85-115	115	106.6	8.5	10029310
K85-125	125	116.6	8.5	10029314
K85-133	133.4	125	7	10029320
K85-148	148.4	140	7	10029326
K85-158	158.4	150	7	10029330
K85-160	160	148.4	12.3	10029332
K85-165	165	156.6	8.5	10029333
K85-180	180	171.6	8.5	10029337
K85-188	188.2	180	7	10029338
K85-200	200	191.6	8.5	10029339
K85-225	225	213	10.7	10029341
K85-231	231	225	10.7	10029343
K85-250	250	235	10.7	10029344
K85-250/1	250	238	10.7	10029345
K85-280	280	268	10.7	10029347
K85-320	320	308	10.7	10029350