K86
Static Seal



K86 static seals are single-acting sealing elements designed to provide static sealing between the gland cap and the cylinder in high-pressure systems.

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

Application
- Mining industry
- Presses
- Large diameter cylinders
- Heavy duty cylinders

Operating Conditions

PRESSURE (bar):	500 bar (max)		
TEMPERATURE (°C):	-40/+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

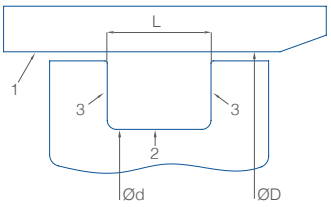
Static Seal	Remarks
Polyurethane-PU9201	Standard produced material code

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.
Attention should be paid to tube chamfer dimensions. They can be used by stretching within the diameter ranges in the catalog dimension list. Using appropriate greases or system oil during installation will make the process easier.

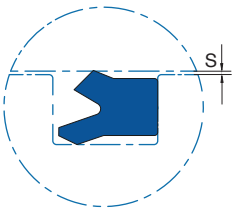
Surface Roughness



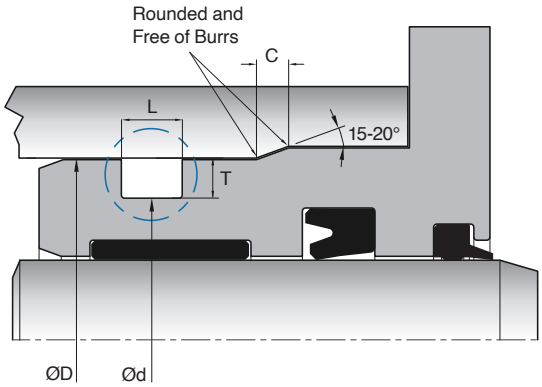
	1 (boru)	2 (groove base)	3 (groove flanks)
Ra	0.1-0.8 µm	0.2-1.6 µm	0.2-6.3 µm
Rmax	< 3.2 µm	< 6.3 µm	< 16 µm

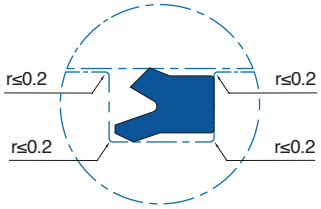
Extrusion Gap «S»

In applications with a pressure value of up to 500 bar, it is recommended to tolerate the bore diameter as H7 and the rod diameter as f7. In applications larger than Ø800, the extrusion gap value should not exceed 0.12 mm.



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NOT: Nominal D değerleri D min olarak belirtilmiştir. d=D-2T formülasyonundan "d" hesaplanır. d değeri toleransı h9 olması tavsiye edilir.

KASTAŞ NO	D_{min} (H8)	D_{max} (H8)	L (+0.2/-0)	T	C	KASTAŞ CODE
K86-060	60	62	6.2	2.7	4.7	10029353
K86-072	72	75	8.2	4	6.6	10029357
K86-090	90	93.6	8.2	4	6.6	10029360
K86-092	92	95.6	8.2	4	6.6	10029362
K86-100	100	104	8.4	4	6.6	10029363
K86-105	105	109.4	8.2	4	6.6	10029365
K86-110	110	114.4	8.4	4	6.6	10029366
K86-112	112	116.5	8.2	4	6.6	10029367
K86-120	120	124.8	8.4	4	6.6	10029369
K86-127	127	132	8.2	4	6.6	10029372
K86-137	137	142.4	8.2	4	6.6	10029374
K86-150	150	156	8.2	4	6.6	10029377
K86-154	154	160	8.2	4	6.6	10029378
K86-165	165	172	8.2	4	6.6	10029381
K86-175	175	182	8.2	4	6.6	10029384
K86-186	186	193.5	8.2	4	6.6	10029386
K86-188	188	195.5	8.2	4	6.6	10029387
K86-194	194	200	8.2	4	6.6	10029388
K86-195	195	201	8.2	4	6.6	10029389
K86-198	198	204	8.2	4	6.6	10029390
K86-205	205	212	8.2	4	6.6	10029394
K86-216	216	225	8.2	4	6.6	10029396
K86-222	222	230	9	4.4	6.6	10029398
K86-230/1	230	240	11.2	5.6	8	10029400
K86-232	232	240	9	4.9	6.6	10029401
K86-242	242	250	11.2	5.6	8	10029402
K86-250	250	260	8.2	4	6.6	10029403
K86-250/1	250	260	9.3	4.65	6.6	10029404
K86-258	258	268	11.2	5.6	8	10029406
K86-260	260	270	9	4.4	6.6	10029407
K86-270	270	280	11.2	5.6	8	10029408
K86-270/1	270	280	9.3	4.65	6.6	10029409
K86-274	274	286	11.2	5.6	8	10029410
K86-290	290	300	11.2	5.6	8	10029412
K86-300/1	300	310	11.8	5.8	8	10029413
K86-300/2	300	310	9.3	4.65	6.6	10029415
K86-312	312	322	10.3	5	6.6	10029419
K86-320	320	332	11.2	5.6	8	10029420
K86-323	323	333	11.8	5.8	8	10029421
K86-335	335	345	11.8	5.8	8	10029423



KASTAŞ NO	D_{min} (H8)	D_{max} (H8)	L (+0.2/-0)	T	C	KASTAŞ CODE
K86-353	353	363	11.8	5.8	8	**10029424**
K86-375	375	385	11.2	5.6	8	**10029425**
K86-395	395	405	15	6.75	8	**10029429**
K86-405	405	415	11.8	5.8	8	**10029430**
K86-410	410	420	11.8	5.8	8	**10029432**
K86-450	450	460	11.8	5.8	8	**10029436**
K86-465	465	475	11.8	5.8	8	**10029438**