



K83 is a double acting cover seal specially designed for static applications.

PRODUCT ADVANTAGES

- High operating pressures
- High reliability
- Interchangeable for O-ring and O-ring with back-up ring
- Easy and secure installation
- No need for additional back-up ring
- High wear resistant

APPLICATION

All the hydraulic applications that O-rings are being used.

MATERIAL		CODE
PU	94 SHORE A	PU9401

OPERATING CONDITIONS			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +100°C	+5°C +50°C	-30°C +40°C
PRESSURE	≤600 Bar	≤600 Bar	≤600 Bar

Note: The above data are maximum values and cannot be used at the same time.

SURFACE ROUGHNESS		Ra	Rmax
Sliding Surface	Ød	≤0.8 µm	≤3.2 µm
Groove Base	ØD	≤1.6 µm	≤6.3 µm
Groove Flanks	B	≤6.3 µm	≤16 µm

INSTALLATION

Easy installation by hand. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the sealing element must be oiled with system oil.

NOTES

K83 is a double acting cover seal for inner sealing. The difficulties faced during an O-ring assembly such as twisting, ripping was solved with this design. It can be used without a back-up ring at high pressures. When material is concerned, K83 has good wear resistance to extrusion and shows good sealing performance in double acting applications.