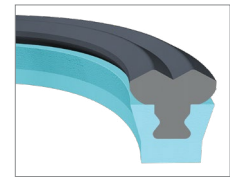
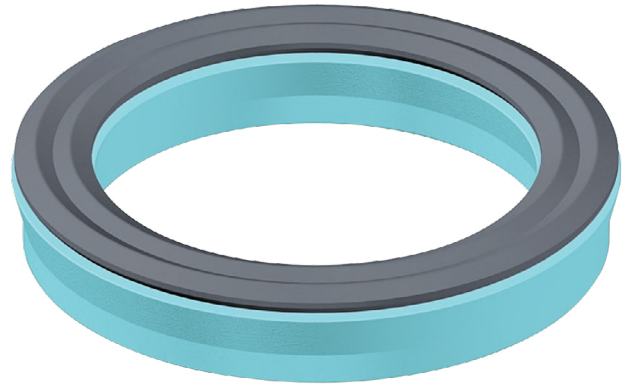


Seal Materials	Temp. Range		
Nitrile (NBR)	-40°C	to	120°C
Low Temp. Nitrile (LTN)	-54°C	to	116°C
Viton™/Fluorocarbon (FKM)	-26°C	to	204°C
Hydrogenated Nitrile (HNBR)	-40°C	to	160°C
Base Materials			
Urethane (PU)	-54°C	to	105°C
Hytrel®/Fluorotrel™ (TPC-ET)	-54°C	to	149°C



**Maximum extrusion gap (e)**

Groove Depth D	e <sub>max</sub> at 60°C (140°F)		
	2300 psi	3600 psi	5080 psi
0.125"	0.008	0.004	-
0.156" - 0.187"	0.014	0.008	-
0.250"	0.018	0.010	0.004
0.312" - 0.375"	0.020	0.012	0.006
0.500"	0.024	0.012	0.008

## Product Description

DZ seals are primarily used for heavy-duty rod applications. These seals combine excellent sealability, low compression set, and superior anti-extrusion characteristics compared to other lip seals. Under low-pressure conditions, the sealing provides its own compressive seal force. As the pressure increases, hydrostatic pressure is mechanically transmitted through the elastomer seal element into the anti-extrusion base. The applied force then deflects radially in a controlled manner, closing the extrusion gap behind the sealing lip. DZ seals are also effective in compensating for high shock loads, such as bucket impacts.

DZ seals have various configurations designed to accommodate standard grooves and dimensions within normal manufacturing tolerances. These seals fit into standard deep-loaded U-cup glands. For groove dimensions, please refer to the loaded U-cup section.

## Part Numbers:



*For groove dimensions please refer to the loaded U-cup section.*