Back-Up Rings



Materials:	Temp. F	Temp. Range		
Nitrile	-40°C	to	120°C	
Viton®/Fluorocarbon	-26°C	to	204°C	
PTFE	-200°C	to	250°C	
PEEK	-70°C	to	260°C	
Hytrel®	-54°C	to	149°C	
Urethane	-54°C	to	105°C	







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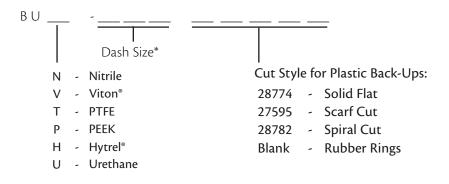
Solid Contoured

Butt Cut

Product Description:

Back-up rings are plastic or rubber rings used to prevent the O-ring from entering the clearance gap. When high pressures are exerted on the O-ring, its soft rubber material can be forced into the clearance gap causing the O-ring to extrude (see our O-ring brochure for examples of O-ring failure). The hard Back-up ring material will keep the O-ring material from flowing into the gap which will prevent premature failure. Plastic Back-up rings come in cut styles 27595, 28774, 28782, which follow the respective MIL specifications.

Part Numbers:



Back-up rings can generally be selected based on O-ring dash numbers. See page 2 for dash number dimensions.

Example: BUP - 222 28774 - Dash 222 PEEK scarf cut Back-up ring



Materials:	Tem	Temp. Range			
Nylon	-54°C	to	121°C		
Nitrile	-40°C	to	120°C		
Viton® / Fluorocarbon	-26°C	to	204°C		
Teflon® / PTFE	-200°C	to	250°C		
PEEK	-70°C	to	260°C		
Hytrel®	-54°C	to	149°C		
Urethane	-54°C	to	105°C		













Solid Flat

Scarf Cut

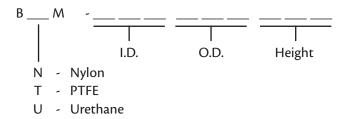
Spiral Cut

Solid Contoured Butt Cut

Product Description:

Back-up rings are plastic or rubber rings used to prevent the O-ring from entering the clearance gap. When high pressures are exerted on the O-ring, its soft rubber material can be forced into the clearance gap causing the O-ring to extrude (see our O-ring brochure for examples of O-ring failure). The hard Back-up ring material will keep the O-ring material from flowing into the gap which will prevent premature failure.

Part Numbers:



Example: BNM - 1251453 - Nylon Back-up Ring - 125.00 mm I.D. x 145.000 mm O.D. x 3.00 mm Height

