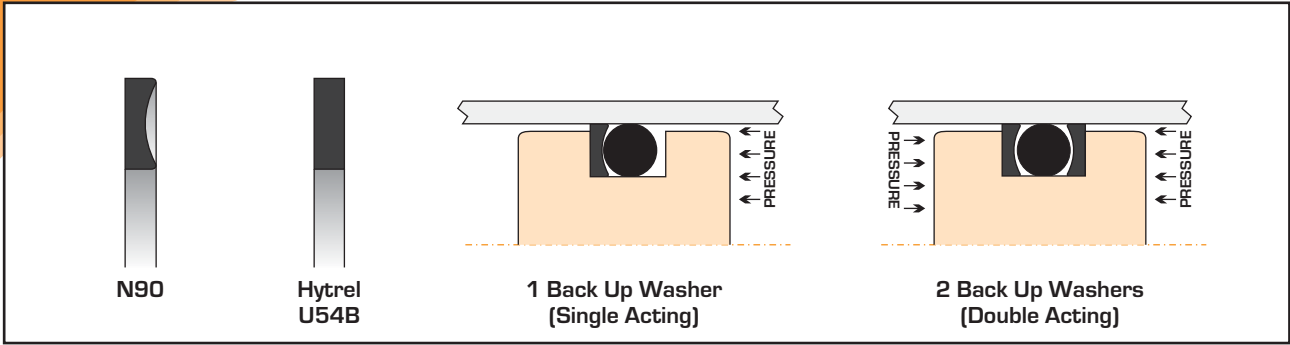




O-ring Back Up Washers



Category

- O-ring Back Up Washers

About O-ring Back Up Washers

- Back Up Washers are used to improve the extrusion resistance of O-rings. If an O-ring is too soft it will extrude and if an O-ring is too hard it may not be able to seal. Using back up washers it is possible to use a softer compound O-ring with its superior sealing properties, with a harder compound back up washer and its superior extrusion resistance.

Groove Dimensions

- Groove dimensions for O-rings with back up washers are listed in the O-ring section of this catalogue.

O-ring Back Up Washer Types

- **NBR 90:** Often called "contoured" back up washers, these are the most common type of O-ring back up washer in service. Available for all imperial O-ring sizes.
- **Hytrel & U54B:** Significantly increased extrusion resistance compared to NBR 90 back up washers. Stretch fit for hassle free installation. Hytrel is available for most popular metric and imperial sizes and U54B back up washers can be manufactured by Transeals for all other sizes.
- **PTFE:** Are available for many sizes of metric and imperial O-rings. PTFE back up washers often have to be split for installation.

Surface Finish

Metric

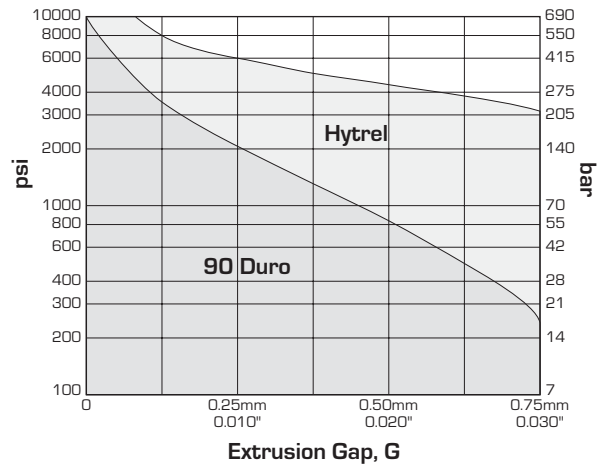
Dynamic Sealing Face:	0.4 µmRa
Static Sealing Face:	0.8 µmRa max
Other Faces:	1.6 µmRa max

Imperial

Dynamic Sealing Face:	16 µinCLA
Static Sealing Face:	32 µinCLA
Other Faces:	63 µinCLA

Extrusion Gap (Diametral)

- The maximum diametral extrusion gap can be determined from the area under the curve on the chart below.
- Extrusion gaps should always be kept to a practical minimum.



Ordering

- To order back up washers, specify the O-ring that the back up washer is to be installed with, and the type of back up washer required.

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