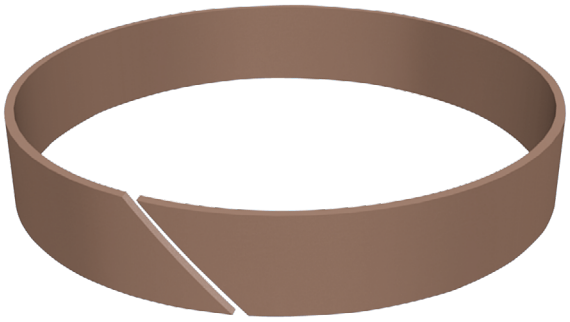
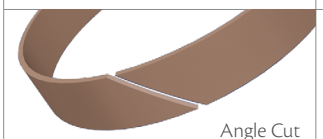


Materials	Temp. Range		
Glass Reinforced Nylon	-240°C	to	121°C
Bronze Reinforced PTFE	-260°C	to	260°C
Carbon Graphite Reinforced PTFE	-260°C	to	260°C
Glass Reinforced PTFE	-260°C	to	260°C
Moly/Glass Reinforced PTFE	-260°C	to	260°C
KasPex™ PEEK	-70°C	to	260°C
Phenolic (PH)	-60°C	to	130°C
UHMW-PE	-250°C	to	80°C

Product Description

Wear rings are precision-engineered to help keep the piston and rod centred and prevent metal-to-metal contact between components. This allows for even wear and pressure distribution on the seals. Our standard wear ring material is glass reinforced nylon.

Cut Style	Advantages	Installation	Performance
 Butt Cut	Easiest cut style to install in most applications.	Easy — More Complex	Good — Best
 Angle Cut	Improves bearing stress at the gap.	Easy — More Complex	Good — Best
 Step Cut	Improves bearing stress at gap. Better resistance to contaminants & spike loads.	Easy — More Complex	Good — Best

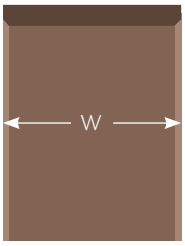
3/16th Cross-section is not available in Step Cut style.

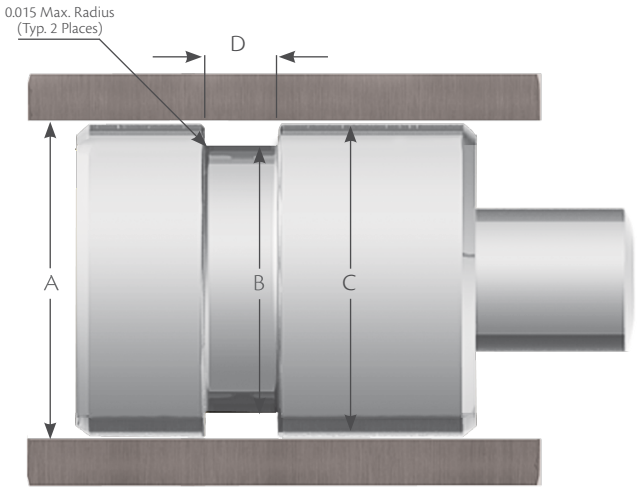
Part Numbers:

WR - ___

- Nominal OD
- Actual Wear Ring Height
- Actual C/S (if other than 0.125")
- *CT
- Material:
  - Blank - Glass Reinforced Nylon
  - BRZ - Bronze Reinforced PTFE
  - TCG - Carbon Graphite Reinforced PTFE
  - TGF - Glass Reinforced PTFE
  - TMG - Moly Glass Reinforced PTFE
  - PK - KasPex™ PEEK
  - PH - Phenolic
  - UHMW - UHMW-PE
- Blank - Dual (Piston or Rod)
- P - Piston
- R - Rod

Standard tolerance wear ring C/S = 0.125" +0/– 0.005
**Close tolerance wear ring C/S = 0.125" +0/-0.002*

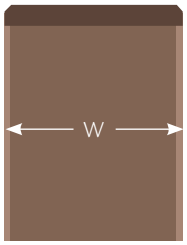


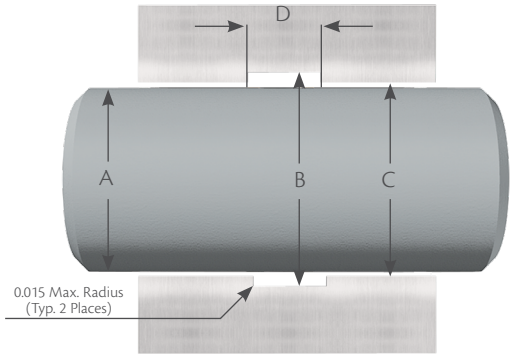


Piston Groove Calculation*

A Bore Diameter		B Groove Diameter		C Piston Diameter		D Groove Width
Range	**Tol.**	**Calculation**	**Tol.**	**Calculation**	**Tol.**	**Calculation**
0.062 Cross Section						**+0.010/-0.000**
0.875 - 5.625	+0.002/-0.000	Dia. A - 0.125	+0.000/-0.002	Dia. A -0.017	+0.000/-0.002	D=W+0.010
0.125 Cross Section						**+0.010/-0.000**
1.000 - 4.875	+0.002/-0.000	Dia. A - 0.251	+0.000/-0.002	Dia. A -0.017	+0.000/-0.002	D=W+0.010
5.000 - 7.500	+0.004/-0.000	Dia. A - 0.251	+0.000/-0.003	Dia. A -0.018	+0.000/-0.003	D=W+0.010
7.500 - 12.000	+0.006/-0.000	Dia. A - 0.251	+0.000/-0.004	Dia. A -0.021	+0.000/-0.004	D=W+0.010

Groove values are for close tolerance wear rings. For non-close tolerance wear rings, please refer to the Wear Strip section.





Rod Groove Calculation*

A Rod Diameter		B Groove Diameter		C Throat Diameter		D Groove Width
Range	**Tol.**	**Calculation**	**Tol.**	**Calculation**	**Tol.**	**Calculation**
0.062 Cross Section						**+0.010/-0.000**
0.875 - 5.625	+0.000/-0.002	Dia. A + 0.125	+0.002/-0.000	Dia. A +0.017	+0.002/-0.000	D=W+0.010
0.125 Cross Section						**+0.010/-0.000**
0.750 - 5.625	+0.000/-0.002	Dia. A + 0.251	+0.002/-0.000	Dia. A +0.017	+0.002/-0.000	D=W+0.010
5.625 - 7.000	+0.000/-0.004	Dia. A + 0.251	+0.003/-0.000	Dia. A +0.020	+0.003/-0.000	D=W+0.010
7.000 - 12.000	+0.000/-0.006	Dia. A + 0.251	+0.004/-0.000	Dia. A +0.021	+0.004/-0.000	D=W+0.010

Groove values are for close tolerance wear rings. For non-close tolerance wear rings, please refer to the Wear Strip section.