



Materials	Temp. Range	
Bronze Reinforced PTFE	-260°C	to 260°C
Moly/Glass Reinforced PTFE	-260°C	to 260°C
Phenolic (PH)	-60°C	to 130°C
UHMW-PE	-250°C	to 80°C

## Product Description

Wear strip, also known as guide strip, is an economical alternative to wear rings, but has looser tolerances. They are available in cut-to-length in any size or bulk strip. Our standard wear strip material is bronze-reinforced PTFE. .

Wear strip is sold by the inch. To calculate the length of the wear strip required for a specific size, we recommend using the following calculation:

Based on ID:  $[\text{Desired ID (inches)} + C/S] \times \pi = \text{Length (inches)}$

Based on OD:  $[\text{Desired OD (inches)} - C/S] \times \pi = \text{Length (inches)}$

Cut Style	Advantages	Installation	Performance
<p>Butt Cut</p>	Easiest cut style to install in most applications.		
<p>Angle Cut</p>	Improves bearing stress at the gap.		
<p>Step Cut</p>	Improves bearing stress at gap. Better resistance to contaminants & spike loads.		

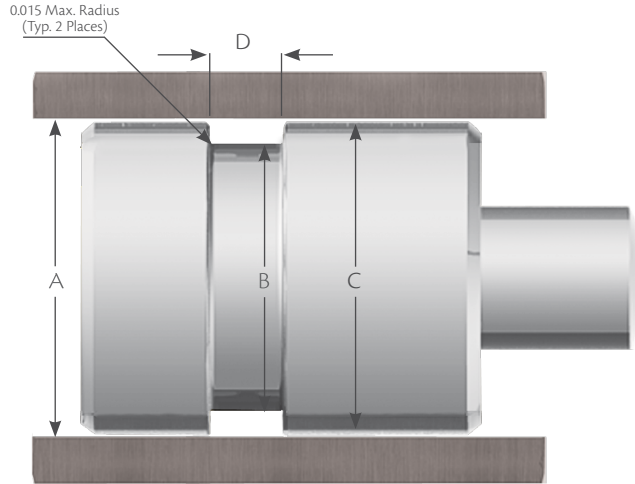
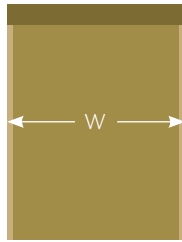
*3/16th Cross-section is not available in Step Cut style.*

## Part Numbers:

WS -

Height      C/S      Material:

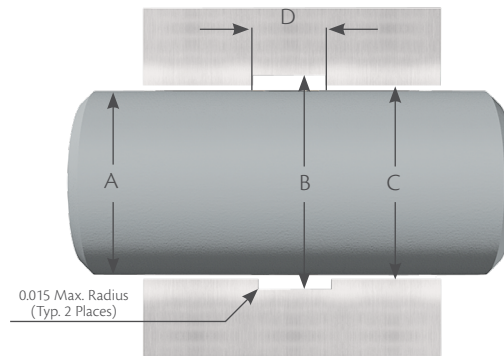
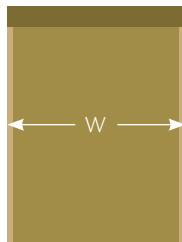
- Blank - Bronze Reinforced PTFE
- TMG - Moly Glass Reinforced PTFE
- PH - Phenolic
- UHMW - UHMW-PE



Wear Strip

### Wear Strip - Piston Groove Calculation

Cross Section	A Bore Diameter		B Groove Diameter		C Piston Diameter		D Groove Width
	Range	Tol.	Calculation	Tol.	Calculation	Tol.	Calculation
0.062	1.000 - 2.000	+0.002/-0.000	Dia. A - 0.125	+0.000/-0.002	Dia. A - 0.021	+0.000/-0.002	D=W+0.010
	1.500 - 4.875	+0.002/-0.000	Dia. A - 0.187	+0.000/-0.002	Dia. A - 0.021	+0.000/-0.002	D=W+0.010
0.093	5.000 - 7.750	+0.004/-0.000	Dia. A - 0.187	+0.000/-0.003	Dia. A - 0.022	+0.000/-0.003	D=W+0.010
	8.000 - 10.000	+0.006/-0.000	Dia. A - 0.187	+0.000/-0.004	Dia. A - 0.023	+0.000/-0.004	D=W+0.010
0.125	2.000 - 4.875	+0.002/-0.000	Dia. A - 0.251	+0.000/-0.002	Dia. A - 0.021	+0.000/-0.002	D=W+0.010
	5.000 - 7.750	+0.004/-0.000	Dia. A - 0.251	+0.000/-0.003	Dia. A - 0.022	+0.000/-0.003	D=W+0.010
	8.000 - 16.000	+0.006/-0.000	Dia. A - 0.251	+0.000/-0.004	Dia. A - 0.023	+0.000/-0.004	D=W+0.010



### Wear Strip - Rod Groove Calculation

Cross Section	A Rod Diameter		B Groove Diameter		C Throat Diameter		D Groove Width
	Range	Tol.	Calculation	Tol.	Calculation	Tol.	Calculation
0.062	0.875 - 2.000	+0.000/-0.002	Dia. A + 0.125	+0.002/-0.000	Dia. A + 0.021	+0.002/-0.000	D=W+0.010
0.093	1.500 - 5.000	+0.000/-0.002	Dia. A + 0.187	+0.002/-0.000	Dia. A + 0.021	+0.002/-0.000	D=W+0.010
	1.500 - 3.125	+0.000/-0.002	Dia. A + 0.251	+0.002/-0.000	Dia. A + 0.021	+0.002/-0.000	D=W+0.010
0.125	3.250 - 4.652	+0.000/-0.002	Dia. A + 0.251	+0.002/-0.000	Dia. A + 0.021	+0.002/-0.000	D=W+0.010
	4.750 - 7.500	+0.000/-0.004	Dia. A + 0.251	+0.003/-0.000	Dia. A + 0.022	+0.003/-0.000	D=W+0.010
	7.500 - 10.000	+0.000/-0.006	Dia. A + 0.251	+0.004/-0.000	Dia. A + 0.023	+0.004/-0.000	D=W+0.010