Materials	Temp. Range		
Bronze Reinforced PTFE	-200°C	to	260°C
Moly/Glass Reinforced PTFE	-200°C	to	260°C
Phenolic (PH)	-60°C	to	130°C
UHMW-PE	-250°C	to	80°C

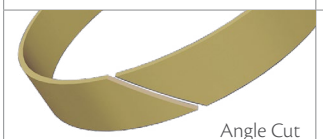
Product Description

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 (dimensions in inches):

Based on ID: [[Desired ID + C/S] × π] - Gap Size = Length (inches)

Based on OD: [[Desired OD – C/S] × π] - Gap Size = Length (inches)

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

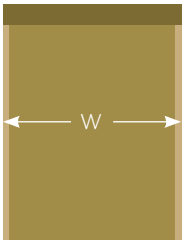
3/16th Cross-section is not available in Step Cut style.

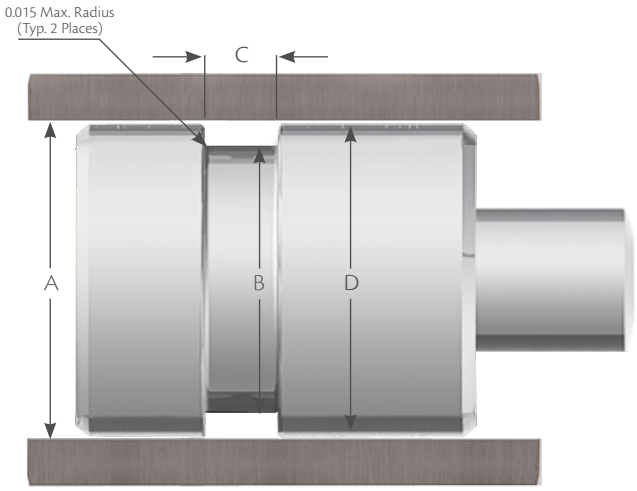
Part Numbers:

WS - ___ ___ ___ ___ ___ ___ ___ ___

Actual Height — Actual C/S — Material:

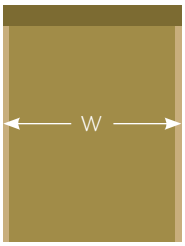
Blank - Bronze Reinforced PTFE
TMG - Moly Glass Reinforced PTFE
PH - Phenolic
UHMW - UHMW-PE

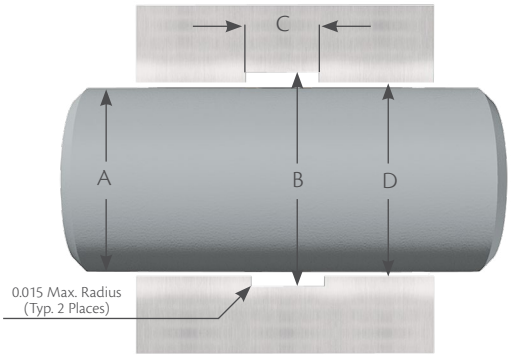




Piston Groove Calculation

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





Rod (Shaft) Groove Calculation

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