

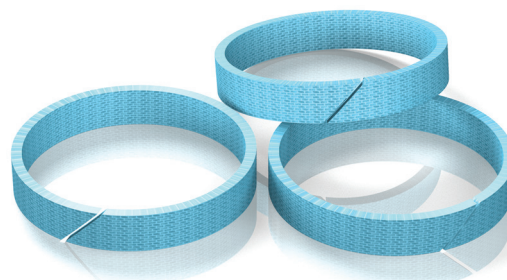
WR - Tight Tolerance Guide Ring - C4000

A product of MFP Seals.

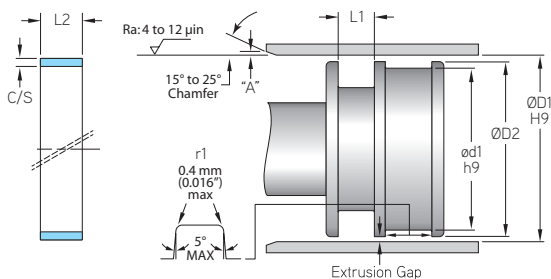
MFPSEALS®
www.mfpseals.com

WR - C4000 TIGHT TOLERANCE GUIDE RINGS

MFP Seals' C4000 Tight Tolerance Guide Rings are made from synthetic fiber-reinforced polyester composites with PTFE micro-powder additions. These guide rings eliminate metal to metal contact and the consequent galling and scoring of cylinder bores. Guide rings are supplied butt cut or scarf cut, for easy installation.



Composite Wear Rings are also available in C1000 and C2000.



MFP PART NUMBER

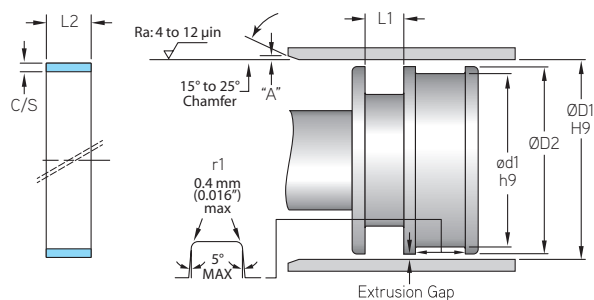
WR01250X1000X125C4000-SC

SEAL TYPE ØD1 L2 C/S COMPOUND SCARF CUT

Max. Velocity: 2.0 m/s (6.0 ft./s)

For sizes not listed please contact your MFP Seals' Sales Representative.

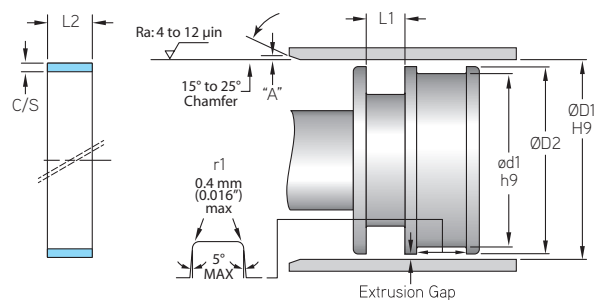
MFP PART NUMBER	ROD OR PISTON APPLICATION				
	ØD1	ød1	L1	L2	C/S
TOLERANCE	H9	h9	+0.010/-0.000		+0.000/-0.002
WR01250X250X125C4000-SC	1.250	0.999	0.260	0.250	0.125
WR01250X375X125C4000-SC	1.250	0.999	0.385	0.375	0.125
WR01250X1000X125C4000-SC	1.250	0.999	1.010	1.000	0.125
WR01500X250X125C4000-SC	1.500	1.249	0.260	0.250	0.125
WR01500X375X125C4000-SC	1.500	1.249	0.385	0.375	0.125
WR01500X500X125C4000-SC	1.500	1.249	0.510	0.500	0.125
WR01750X375X125C4000-SC	1.750	1.499	0.385	0.375	0.125
WR01750X500X125C4000-SC	1.750	1.499	0.510	0.500	0.125
WR01750X750X125C4000-SC	1.750	1.499	0.760	0.750	0.125
WR01750X1000X125C4000-SC	1.750	1.499	1.010	1.000	0.125
WR01875X375X125C4000-SC	1.875	1.624	0.385	0.375	0.125
WR01875X500X125C4000-SC	1.875	1.624	0.510	0.500	0.125
WR01875X750X125C4000-SC	1.875	1.624	0.760	0.750	0.125
WR02000X250X125C4000-SC	2.000	1.749	0.260	0.250	0.125
WR02000X375X125C4000-SC	2.000	1.749	0.385	0.375	0.125
WR02000X500X125C4000-SC	2.000	1.749	0.510	0.500	0.125
WR02000X625X125C4000-SC	2.000	1.749	0.635	0.625	0.125
WR02000X750X125C4000-SC	2.000	1.749	0.760	0.750	0.125
WR02125X375X125C4000-SC	2.125	1.874	0.385	0.375	0.125
WR02125X750X125C4000-SC	2.125	1.874	0.760	0.750	0.125
WR02250X250X125C4000-SC	2.250	1.999	0.260	0.250	0.125
WR02250X375X125C4000-SC	2.250	1.999	0.385	0.375	0.125



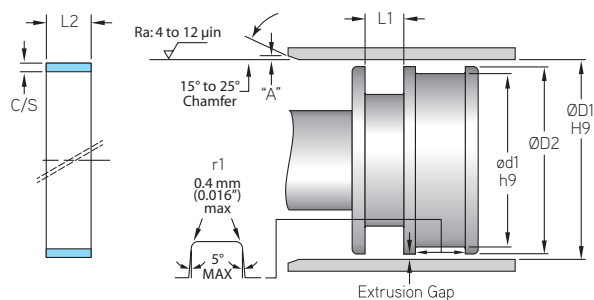
MFP PART NUMBER	ROD OR PISTON APPLICATION				
	ØD1	ød1	L1	L2	C/S
TOLERANCE	H9	h9	+.010/- .000		+.000/- .002
WR02250X500X125C4000-SC	2.250	1.999	0.510	0.500	0.125
WR02250X625X125C4000-SC	2.250	1.999	0.635	0.625	0.125
WR02250X750X125C4000-SC	2.250	1.999	0.760	0.750	0.125
WR02375X500X125C4000-SC	2.375	2.124	0.510	0.500	0.125
WR02375X750X125C4000-SC	2.375	2.124	0.760	0.750	0.125
WR02500X250X125C4000-SC	2.500	2.249	0.260	0.250	0.125
WR02500X375X125C4000-SC	2.500	2.249	0.385	0.375	0.125
WR02500X500X125C4000-SC	2.500	2.249	0.510	0.500	0.125
WR02500X625X125C4000-SC	2.500	2.249	0.635	0.625	0.125
WR02500X750X125C4000-SC	2.500	2.249	0.760	0.750	0.125
WR02500X1000X125C4000-SC	2.500	2.249	1.010	1.000	0.125
WR02750X250X125C4000-SC	2.750	2.499	0.260	0.250	0.125
WR02750X375X125C4000-SC	2.750	2.499	0.385	0.375	0.125
WR02750X500X125C4000-SC	2.750	2.499	0.510	0.500	0.125
WR02750X625X125C4000-SC	2.750	2.499	0.635	0.625	0.125
WR02750X750X125C4000-SC	2.750	2.499	0.760	0.750	0.125
WR02750X1000X125C4000-SC	2.750	2.499	1.010	1.000	0.125
WR02750X1500X125C4000-SC	2.750	2.499	1.510	1.500	0.125
WR02750X2000X125C4000-SC	2.750	2.499	2.010	2.000	0.125
WR02875X1000X125C4000-SC	2.875	2.624	1.010	1.000	0.125
WR03000X250X125C4000-SC	3.000	2.749	0.260	0.250	0.125
WR03000X375X125C4000-SC	3.000	2.749	0.385	0.375	0.125
WR03000X500X125C4000-SC	3.000	2.749	0.510	0.500	0.125
WR03000X625X125C4000-SC	3.000	2.749	0.635	0.625	0.125
WR03000X750X125C4000-SC	3.000	2.749	0.760	0.750	0.125
WR03000X1000X125C4000-SC	3.000	2.749	1.010	1.000	0.125
WR03125X500X125C4000-SC	3.125	2.874	0.510	0.500	0.125
WR03250X250X125C4000-SC	3.250	2.999	0.260	0.250	0.125
WR03250X312X125C4000-SC	3.250	2.999	0.322	0.312	0.125
WR03250X375X125C4000-SC	3.250	2.999	0.385	0.375	0.125
WR03250X500X125C4000-SC	3.250	2.999	0.510	0.500	0.125
WR03250X750X125C4000-SC	3.250	2.999	0.760	0.750	0.125
WR03250X1000X125C4000-SC	3.250	2.999	1.010	1.000	0.125
WR03250X1250X125C4000-SC	3.250	2.999	1.260	1.250	0.125
WR03250X1500X125C4000-SC	3.250	2.999	1.510	1.500	0.125
WR03250X2000X125C4000-SC	3.250	2.999	2.010	2.000	0.125
WR03375X750X125C4000-SC	3.375	3.124	0.760	0.750	0.125
WR03500X250X125C4000-SC	3.500	3.249	0.260	0.250	0.125

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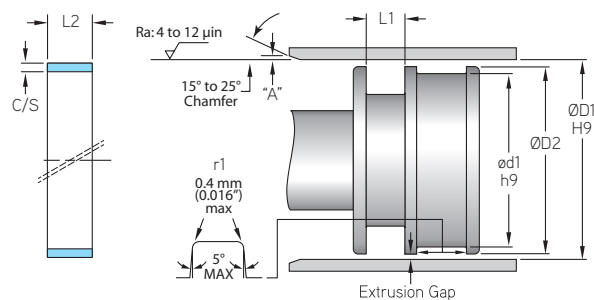
MFP PART NUMBER	ROD OR PISTON APPLICATION				
	ØD1	ød1	L1	L2	C/S
TOLERANCE	H9	h9	+0.010/-0.000		+0.000/-0.002
WR03500X375X125C4000-SC	3.500	3.249	0.385	0.375	0.125
WR03500X500X125C4000-SC	3.500	3.249	0.510	0.500	0.125
WR03500X625X125C4000-SC	3.500	3.249	0.635	0.625	0.125
WR03500X750X125C4000-SC	3.500	3.249	0.760	0.750	0.125
WR03500X1000X125C4000-SC	3.500	3.249	1.010	1.000	0.125
WR03500X1500X125C4000-SC	3.500	3.249	1.510	1.500	0.125
WR03625X500X125C4000-SC	3.625	3.374	0.510	0.500	0.125
WR03625X1000X125C4000-SC	3.625	3.374	1.010	1.000	0.125
WR03750X250X125C4000-SC	3.750	3.499	0.260	0.250	0.125
WR03750X375X125C4000-SC	3.750	3.499	0.385	0.375	0.125
WR03750X500X125C4000-SC	3.750	3.499	0.510	0.500	0.125
WR03750X625X125C4000-SC	3.750	3.499	0.635	0.625	0.125
WR03750X750X125C4000-SC	3.750	3.499	0.760	0.750	0.125
WR03750X1000X125C4000-SC	3.750	3.499	1.010	1.000	0.125
WR03750X1250X125C4000-SC	3.750	3.499	1.260	1.250	0.125
WR04000X250X125C4000-SC	4.000	3.749	0.260	0.250	0.125
WR04000X375X125C4000-SC	4.000	3.749	0.385	0.375	0.125
WR04000X500X125C4000-SC	4.000	3.749	0.510	0.500	0.125
WR04000X625X125C4000-SC	4.000	3.749	0.635	0.625	0.125
WR04000X750X125C4000-SC	4.000	3.749	0.760	0.750	0.125
WR04000X1000X125C4000-SC	4.000	3.749	1.010	1.000	0.125
WR04000X1250X125C4000-SC	4.000	3.749	1.260	1.250	0.125
WR04000X1500X125C4000-SC	4.000	3.749	1.510	1.500	0.125
WR04250X375X125C4000-SC	4.250	3.999	0.385	0.375	0.125
WR04250X500X125C4000-SC	4.250	3.999	0.510	0.500	0.125
WR04250X625X125C4000-SC	4.250	3.999	0.635	0.625	0.125
WR04250X750X125C4000-SC	4.250	3.999	0.760	0.750	0.125
WR04250X1000X125C4000-SC	4.250	3.999	1.010	1.000	0.125
WR04250X1250X125C4000-SC	4.250	3.999	1.260	1.250	0.125
WR04250X1500X125C4000-SC	4.250	3.999	1.510	1.500	0.125
WR04500X375X125C4000-SC	4.500	4.249	0.385	0.375	0.125
WR04500X500X125C4000-SC	4.500	4.249	0.510	0.500	0.125
WR04500X625X125C4000-SC	4.500	4.249	0.635	0.625	0.125
WR04500X750X125C4000-SC	4.500	4.249	0.760	0.750	0.125
WR04500X1000X125C4000-SC	4.500	4.249	1.010	1.000	0.125
WR04500X1500X125C4000-SC	4.500	4.249	1.510	1.500	0.125
WR04750X375X125C4000-SC	4.750	4.499	0.385	0.375	0.125
WR04750X500X125C4000-SC	4.750	4.499	0.510	0.500	0.125



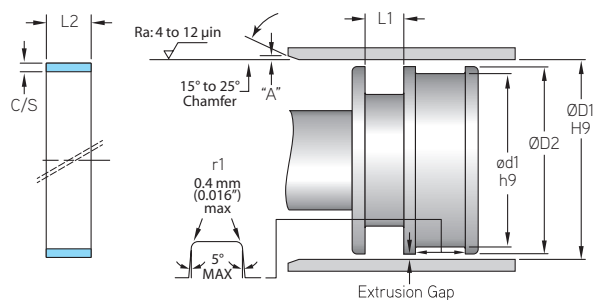
MFP PART NUMBER	ROD OR PISTON APPLICATION				
	ØD1	ød1	L1	L2	C/S
TOLERANCE	H9	h9	+.010/- .000		+.000/- .002
WR04750X750X125C4000-SC	4.750	4.499	0.760	0.750	0.125
WR04750X1000X125C4000-SC	4.750	4.499	1.010	1.000	0.125
WR04750X1250X125C4000-SC	4.750	4.499	1.260	1.250	0.125
WR04750X1500X125C4000-SC	4.750	4.499	1.510	1.500	0.125
WR04750X2000X125C4000-SC	4.750	4.499	2.010	2.000	0.125
WR05000X250X125C4000-SC	5.000	4.749	0.260	0.250	0.125
WR05000X375X125C4000-SC	5.000	4.749	0.385	0.375	0.125
WR05000X500X125C4000-SC	5.000	4.749	0.510	0.500	0.125
WR05000X625X125C4000-SC	5.000	4.749	0.635	0.625	0.125
WR05000X750X125C4000-SC	5.000	4.749	0.760	0.750	0.125
WR05000X1000X125C4000-SC	5.000	4.749	1.010	1.000	0.125
WR05000X1250X125C4000-SC	5.000	4.749	1.260	1.250	0.125
WR05000X1750X125C4000-SC	5.000	4.749	1.760	1.750	0.125
WR05250X500X125C4000-SC	5.250	4.999	0.510	0.500	0.125
WR05250X625X125C4000-SC	5.250	4.999	0.635	0.625	0.125
WR05250X750X125C4000-SC	5.250	4.999	0.760	0.750	0.125
WR05250X1000X125C4000-SC	5.250	4.999	1.010	1.000	0.125
WR05250X1250X125C4000-SC	5.250	4.999	1.260	1.250	0.125
WR05250X2000X125C4000-SC	5.250	4.999	2.010	2.000	0.125
WR05500X375X125C4000-SC	5.500	5.249	0.385	0.375	0.125
WR05500X500X125C4000-SC	5.500	5.249	0.510	0.500	0.125
WR05500X625X125C4000-SC	5.500	5.249	0.635	0.625	0.125
WR05500X750X125C4000-SC	5.500	5.249	0.760	0.750	0.125
WR05500X1000X125C4000-SC	5.500	5.249	1.010	1.000	0.125
WR05500X1250X125C4000-SC	5.500	5.249	1.260	1.250	0.125
WR05750X250X125C4000-SC	5.750	5.499	0.260	0.250	0.125
WR05750X625X125C4000-SC	5.750	5.499	0.635	0.625	0.125
WR05750X750X125C4000-SC	5.750	5.499	0.760	0.750	0.125
WR05750X1000X125C4000-SC	5.750	5.499	1.010	1.000	0.125
WR05750X1500X125C4000-SC	5.750	5.499	1.510	1.500	0.125
WR06000X250X125C4000-SC	6.000	5.749	0.260	0.250	0.125
WR06000X500X125C4000-SC	6.000	5.749	0.510	0.500	0.125
WR06000X625X125C4000-SC	6.000	5.749	0.635	0.625	0.125
WR06000X750X125C4000-SC	6.000	5.749	0.760	0.750	0.125
WR06000X875X125C4000-SC	6.000	5.749	0.885	0.875	0.125
WR06000X1000X125C4000-SC	6.000	5.749	1.010	1.000	0.125
WR06000X1250X125C4000-SC	6.000	5.749	1.260	1.250	0.125
WR06000X1500X125C4000-SC	6.000	5.749	1.510	1.500	0.125

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MFP PART NUMBER	ROD OR PISTON APPLICATION				
	ØD1	ød1	L1	L2	C/S
TOLERANCE	H9	h9	+0.010/-0.000		+0.000/-0.002
WR06000X1750X125C4000-SC	6.000	5.749	1.760	1.750	0.125
WR06000X2000X125C4000-SC	6.000	5.749	2.010	2.000	0.125
WR06250X500X125C4000-SC	6.250	5.999	0.510	0.500	0.125
WR06250X625X125C4000-SC	6.250	5.999	0.635	0.625	0.125
WR06250X750X125C4000-SC	6.250	5.999	0.760	0.750	0.125
WR06250X1000X125C4000-SC	6.250	5.999	1.010	1.000	0.125
WR06250X1500X125C4000-SC	6.250	5.999	1.510	1.500	0.125
WR06250X2000X125C4000-SC	6.250	5.999	2.010	2.000	0.125
WR06500X500X125C4000-SC	6.500	6.249	0.510	0.500	0.125
WR06500X625X125C4000-SC	6.500	6.249	0.635	0.625	0.125
WR06500X750X125C4000-SC	6.500	6.249	0.760	0.750	0.125
WR06500X1000X125C4000-SC	6.500	6.249	1.010	1.000	0.125
WR06500X1250X125C4000-SC	6.500	6.249	1.260	1.250	0.125
WR06500X1500X125C4000-SC	6.500	6.249	1.510	1.500	0.125
WR06500X2000X125C4000-SC	6.500	6.249	2.010	2.000	0.125
WR06750X1000X125C4000-SC	6.750	6.499	1.010	1.000	0.125
WR06750X1500X125C4000-SC	6.750	6.499	1.510	1.500	0.125
WR07000X500X125C4000-SC	7.000	6.749	0.510	0.500	0.125
WR07000X625X125C4000-SC	7.000	6.749	0.635	0.625	0.125
WR07000X750X125C4000-SC	7.000	6.749	0.760	0.750	0.125
WR07000X1000X125C4000-SC	7.000	6.749	1.010	1.000	0.125
WR07000X1500X125C4000-SC	7.000	6.749	1.510	1.500	0.125
WR07000X1750X125C4000-SC	7.000	6.749	1.760	1.750	0.125
WR07000X2000X125C4000-SC	7.000	6.749	2.010	2.000	0.125
WR07250X500X125C4000-SC	7.250	6.999	0.510	0.500	0.125
WR07250X750X125C4000-SC	7.250	6.999	0.760	0.750	0.125
WR07250X1000X125C4000-SC	7.250	6.999	1.010	1.000	0.125
WR07250X2000X125C4000-SC	7.250	6.999	2.010	2.000	0.125
WR07500X500X125C4000-SC	7.500	7.249	0.510	0.500	0.125
WR07500X625X125C4000-SC	7.500	7.249	0.635	0.625	0.125
WR07500X750X125C4000-SC	7.500	7.249	0.760	0.750	0.125
WR07500X1000X125C4000-SC	7.500	7.249	1.010	1.000	0.125
WR07500X1500X125C4000-SC	7.500	7.249	1.510	1.500	0.125
WR07500X2000X125C4000-SC	7.500	7.249	2.010	2.000	0.125
WR07750X500X125C4000-SC	7.750	7.499	0.510	0.500	0.125
WR07750X1000X125C4000-SC	7.750	7.499	1.010	1.000	0.125
WR08000X500X125C4000-SC	8.000	7.749	0.510	0.500	0.125
WR08000X625X125C4000-SC	8.000	7.749	0.635	0.625	0.125



MFP PART NUMBER	ROD OR PISTON APPLICATION				
	ØD1	ød1	L1	L2	C/S
TOLERANCE	H9	h9	+0.010/-0.000		+0.000/-0.002
WR08000X750X125C4000-SC	8.000	7.749	0.760	0.750	0.125
WR08000X875X125C4000-SC	8.000	7.749	0.885	0.875	0.125
WR08000X1000X125C4000-SC	8.000	7.749	1.010	1.000	0.125
WR08000X1250X125C4000-SC	8.000	7.749	1.260	1.250	0.125
WR08000X2000X125C4000-SC	8.000	7.749	2.010	2.000	0.125
WR08250X1000X125C4000-SC	8.250	7.999	1.010	1.000	0.125
WR08250X1250X125C4000-SC	8.250	7.999	1.260	1.250	0.125
WR08250X1500X125C4000-SC	8.250	7.999	1.510	1.500	0.125
WR08250X1750X125C4000-SC	8.250	7.999	1.760	1.750	0.125
WR08500X500X125C4000-SC	8.500	8.249	0.510	0.500	0.125
WR08500X625X125C4000-SC	8.500	8.249	0.635	0.625	0.125
WR08500X1000X125C4000-SC	8.500	8.249	1.010	1.000	0.125
WR08750X1000X125C4000-SC	8.750	8.499	1.010	1.000	0.125
WR09000X1000X125C4000-SC	9.000	8.749	1.010	1.000	0.125
WR09000X1500X125C4000-SC	9.000	8.749	1.510	1.500	0.125
WR09250X1500X125C4000-SC	9.250	8.999	1.510	1.500	0.125
WR09500X625X125C4000-SC	9.500	9.249	0.635	0.625	0.125
WR09500X1000X125C4000-SC	9.500	9.249	1.010	1.000	0.125
WR09750X500X125C4000-SC	9.750	9.499	0.510	0.500	0.125
WR09750X1000X125C4000-SC	9.750	9.499	1.010	1.000	0.125
WR10000X500X125C4000-SC	10.000	9.749	0.510	0.500	0.125
WR10000X1000X125C4000-SC	10.000	9.749	1.010	1.000	0.125
WR10000X1500X125C4000-SC	10.000	9.749	1.510	1.500	0.125
WR10250X1000X125C4000-SC	10.250	9.999	1.010	1.000	0.125
WR10500X1000X125C4000-SC	10.500	10.249	1.010	1.000	0.125
WR11000X1000X125C4000-SC	11.000	10.749	1.010	1.000	0.125
WR12000X1000X125C4000-SC	12.000	11.749	1.010	1.000	0.125