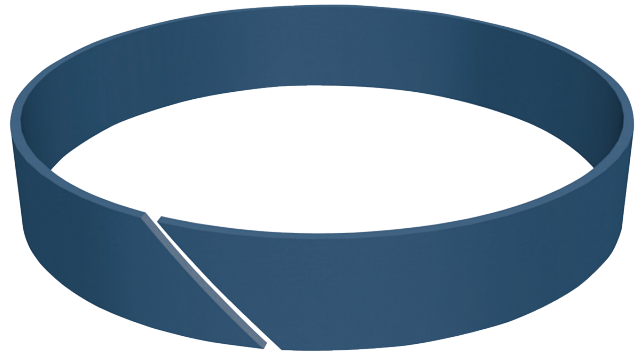


Materials	Temp. Range
Glass filled Nylon	-240°C to 121°C
Bronze filled PTFE	-268°C to 288°C
Glass filled PTFE	-268°C to 288°C
Carbon Graphite filled PTFE	-268°C to 288°C
Phenolic	-60°C to 130°C
PEEK	-70°C to 260°C



## Product Description

The function of a wear ring is designed to help keep the piston centered, which allows for even wear and pressure distribution on the seals. Our standard wear ring materials are nylon and phenolic; additional material options are available upon request. Wear rings are used in both piston and rod applications. We carry wear rings in three different cut styles including butt cut, angle cut and step cut.

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

## Part Numbers:

WRM -      -      -      -     

I.D.      O.D.      Width      Material - if other than standard:

- BRZ - Bronze filled PTFE
- TGF - Glass filled PTFE
- TCG - Carbon Graphite filled PTFE
- PH - Phenolic
- PEEK - PEEK

# Wear Rings

METRIC SEALS



Additional sizes are available upon request.

Part Number	I.D.	O.D.	Width
WRM 202563	20.00	25.00	6.30
WRM 253056	25.00	30.00	5.60
WRM 253097	25.00	30.00	9.70
WRM 253196	25.00	31.00	9.60
WRM 273056	27.00	30.00	5.60
WRM 273256	27.00	30.00	5.60
WRM 273263	27.00	32.00	6.30
WRM 28328	28.00	32.00	8.00
WRM 283295	28.00	32.00	9.50
WRM 283496	28.00	34.00	9.60
WRM 303356	30.00	33.00	5.60
WRM 303497	30.00	34.00	9.70
WRM 303420	30.00	34.00	20.00
WRM 303597	30.00	35.00	9.70
WRM 323551	32.00	35.00	5.10
WRM 324012	32.00	40.00	12.00
WRM 344096	34.00	40.00	9.60
WRM 35386	35.00	38.00	6.00
WRM 353996	35.00	39.00	9.60
WRM 363956	36.00	39.00	5.60
WRM 364156	36.00	41.00	5.60
WRM 364197	36.00	41.00	9.70
WRM 404356	40.00	43.00	5.60
WRM 404492	40.00	44.00	9.20
WRM 404556	40.00	45.00	5.60
WRM 404597	40.00	45.00	9.70
WRM 404696	40.00	46.00	9.60
WRM 414596	41.00	45.00	9.60
WRM 445096	44.00	50.00	9.60
WRM 455056	45.00	50.00	5.60
WRM 455097	45.00	50.00	9.70
WRM 455010	45.00	50.00	10.00

Part Number	I.D.	O.D.	Width
WRM 455015	45.00	50.00	15.00
WRM 4551225	45.00	51.00	22.50
WRM 465115	46.00	51.00	15.00
WRM 475210	47.00	52.00	10.00
WRM 495596	49.00	55.00	9.60
WRM 505556	50.00	55.00	5.60
WRM 505595	50.00	55.00	9.50
WRM 505597	50.00	55.00	9.70
WRM 5056127	50.00	56.00	12.70
WRM 505515	50.00	55.00	15.00
WRM 505620	50.00	56.00	20.00
WRM 505630	50.00	56.00	30.00
WRM 505812	50.00	58.00	12.00
WRM 515656	51.00	56.00	5.60
WRM 515697	51.00	56.00	9.70
WRM 526010	52.00	60.00	10.00
WRM 5290127	52.00	90.00	12.70
WRM 546096	54.00	60.00	9.60
WRM 5460125	54.00	60.00	12.50
WRM 5460246	54.00	60.00	24.60
WRM 505695	55.00	56.00	9.50
WRM 556096	55.00	60.00	9.60
WRM 56608	56.00	60.00	8.00
WRM 566010	56.00	60.00	10.00
WRM 566197	56.00	61.00	9.70
WRM 566115	56.00	61.00	15.00
WRM 566225	56.00	62.00	25.00
WRM 5763125	57.00	63.00	12.50
WRM 586397	58.00	63.00	9.70
WRM 606595	60.00	65.00	9.50
WRM 606597	60.00	65.00	9.70
WRM 6065193	60.00	65.00	19.30



Part Number	I.D.	O.D.	Width
WRM 636825	63.00	68.00	25.00
WRM 6369315	63.00	69.00	31.50
WRM 637030	63.00	70.00	30.00
WRM 6470127	64.00	70.00	12.70
WRM 65708	65.00	70.00	8.00
WRM 657095	65.00	70.00	9.50
WRM 657096	65.00	70.00	9.60
WRM 657015	65.00	70.00	15.00
WRM 657020	65.00	70.00	20.00
WRM 707556	70.00	75.00	5.60
WRM 70756	70.00	75.00	6.00
WRM 707596	70.00	75.00	9.60
WRM 707515	70.00	75.00	15.00
WRM 707525	70.00	75.00	25.00
WRM 7076195	70.00	76.00	19.50
WRM 717515	71.00	75.00	15.00
WRM 728012	72.00	80.00	12.00
WRM 748020	74.00	80.00	20.00
WRM 757977	75.00	79.00	7.70
WRM 758054	75.00	80.00	5.40
WRM 758079	75.00	80.00	7.90
WRM 758095	75.00	80.00	9.50
WRM 758097	75.00	80.00	9.70
WRM 7580148	75.00	80.00	14.80
WRM 758015	75.00	80.00	15.00
WRM 758020	75.00	80.00	20.00
WRM 768010	76.00	80.00	10.00
WRM 808597	80.00	85.00	9.70
WRM 808525	80.00	85.00	25.00
WRM 8086125	80.00	86.00	12.50
WRM 808635	80.00	86.00	35.00
WRM 82906	82.00	90.00	6.00
WRM 849015	84.00	90.00	15.00
WRM 8490245	84.00	90.00	24.50

Part Number	I.D.	O.D.	Width
WRM 849025	84.00	90.00	25.00
WRM 85905	85.00	90.00	5.00
WRM 859095	85.00	90.00	9.50
WRM 8591125	85.00	91.00	12.50
WRM 86946	86.00	94.00	6.00
WRM 90956	90.00	95.00	6.00
WRM 909595	90.00	95.00	9.50
WRM 909597	90.00	95.00	9.70
WRM 909515	90.00	95.00	15.00
WRM 909525	90.00	95.00	25.00
WRM 91100143	91.00	100.00	14.30
WRM 93710015	93.70	100.00	15.00
WRM 94100127	94.00	100.00	12.70
WRM 9510096	95.00	100.00	9.60
WRM 9510015	95.00	100.00	15.00
WRM 9710510	97.00	105.00	10.00
WRM 99105245	99.00	105.00	24.50
WRM 10010595	100.00	105.00	9.50
WRM 10010515	100.00	105.00	15.00
WRM 1021106	102.00	110.00	6.00
WRM 10211095	102.00	110.00	9.50
WRM 104110125	104.00	110.00	12.50
WRM 10411025	104.00	110.00	25.00
WRM 10511079	105.00	110.00	7.90
WRM 10511097	105.00	110.00	9.70
WRM 10511015	105.00	110.00	15.00
WRM 105111125	105.00	111.00	12.50
WRM 10611420	106.00	114.00	20.00
WRM 10811279	108.00	112.00	7.90
WRM 11011597	110.00	115.00	9.70
WRM 11011515	110.00	115.00	15.00
WRM 11011525	110.00	115.00	25.00
WRM 11412020	114.00	120.00	20.00
WRM 11412030	114.00	120.00	30.00

# Wear Rings

METRIC SEALS



Part Number	I.D.	O.D.	Width
WRM 11512056	115.00	120.00	5.60
WRM 11512079	115.00	120.00	7.90
WRM 11512095	115.00	120.00	9.50
WRM 11512097	115.00	120.00	9.70
WRM 115120148	115.00	120.00	14.80
WRM 11512025	115.00	120.00	25.00
WRM 116125143	116.00	125.00	14.30
WRM 11712579	117.00	125.00	7.90
WRM 1181238	118.00	123.00	8.00
WRM 11912520	119.00	125.00	20.00
WRM 12012579	120.00	125.00	7.90
WRM 12012595	120.00	125.00	9.50
WRM 120125148	120.00	125.00	14.80
WRM 12012515	120.00	125.00	15.00
WRM 12012525	120.00	125.00	25.00
WRM 12012540	120.00	125.00	40.00
WRM 121125198	121.00	125.00	19.80
WRM 12112525	121.00	125.00	25.00
WRM 12313030	123.00	130.00	30.00
WRM 1241306	124.00	130.00	6.00
WRM 12513079	125.00	130.00	7.90
WRM 12513095	125.00	130.00	9.50
WRM 12513015	125.00	130.00	15.00
WRM 12513130	125.00	131.00	30.00
WRM 12813525	128.00	135.00	25.00
WRM 13013579	130.00	135.00	7.90
WRM 13013595	130.00	135.00	9.50
WRM 130135148	130.00	135.00	14.80
WRM 13013515	130.00	135.00	15.00
WRM 13113579	131.00	135.00	7.90
WRM 1321406	132.00	140.00	6.00
WRM 13214097	132.00	140.00	9.70
WRM 13214020	132.00	140.00	20.00
WRM 13314097	133.00	140.00	9.70

Part Number	I.D.	O.D.	Width
WRM 133140148	133.00	140.00	14.80
WRM 13314035	133.00	140.00	35.00
WRM 134140125	134.00	140.00	12.50
WRM 13514025	134.00	140.00	25.00
WRM 13514079	135.00	140.00	7.90
WRM 13514095	135.00	140.00	9.50
WRM 135140148	135.00	140.00	14.80
WRM 13714595	137.00	145.00	9.50
WRM 1381439	138.00	143.00	9.00
WRM 138145148	138.00	145.00	14.80
WRM 139145125	139.00	145.00	12.50
WRM 14014579	140.00	145.00	7.90
WRM 14014595	140.00	145.00	9.50
WRM 14014515	140.00	145.00	15.00
WRM 14014840	140.00	148.00	40.00
WRM 14515095	145.00	150.00	9.50
WRM 15015515	150.00	155.00	15.00
WRM 153160148	153.00	160.00	14.80
WRM 15316030	153.00	160.00	30.00
WRM 15316040	153.00	160.00	40.00
WRM 154160195	154.00	160.00	19.50
WRM 15516097	155.00	160.00	9.70
WRM 15516015	155.00	160.00	15.00
WRM 15616079	156.00	160.00	7.90
WRM 15816310	158.00	163.00	10.00
WRM 16016597	160.00	165.00	9.70
WRM 16016515	160.00	165.00	15.00
WRM 16517095	165.00	170.00	9.50
WRM 16517015	165.00	170.00	15.00
WRM 17017515	170.00	175.00	15.00
WRM 174180192	174.00	180.00	19.20
WRM 17518097	175.00	180.00	9.70
WRM 17518015	175.00	180.00	15.00
WRM 18018515	180.00	185.00	15.00

Wear Rings



Part Number	I.D.	O.D.	Width
WRM 18018825	180.00	188.00	25.00
WRM 185190148	185.00	190.00	14.80
WRM 18519015	185.00	190.00	15.00
WRM 19019515	190.00	195.00	15.00
WRM 192200225	192.00	200.00	22.50
WRM 19420012	194.00	200.00	12.00
WRM 194200192	194.00	200.00	19.20
WRM 19420020	194.00	200.00	20.00
WRM 19420035	194.00	200.00	35.00
WRM 19420050	194.00	200.00	50.00
WRM 19520095	195.00	200.00	9.50
WRM 19520096	195.00	200.00	9.60
WRM 19520097	195.00	200.00	9.70
WRM 19520015	195.00	200.00	15.00
WRM 19520020	195.00	200.00	20.00
WRM 19520025	195.00	200.00	25.00
WRM 20020512	200.00	205.00	12.00
WRM 20020515	200.00	205.00	15.00
WRM 20220710	202.00	207.00	10.00
WRM 20420910	204.00	209.00	10.00
WRM 20521015	205.00	210.00	15.00
WRM 21021597	210.00	215.00	9.70
WRM 21021512	210.00	215.00	12.00
WRM 21021515	210.00	215.00	15.00
WRM 22523015	225.00	230.00	15.00
WRM 24024515	240.00	245.00	15.00
WRM 24225025	242.00	250.00	25.00
WRM 24525015	245.00	250.00	15.00
WRM 27027515	270.00	275.00	15.00
WRM 27227715	272.00	277.00	15.00
WRM 27628115	276.00	281.00	15.00
WRM 28028515	280.00	285.00	15.00
WRM 29229615	292.00	296.00	15.00
WRM 29229715	292.00	297.00	15.00

Part Number	I.D.	O.D.	Width
WRM 29230040	292.00	300.00	40.00
WRM 29430040	294.00	300.00	40.00
WRM 295300245	295.00	300.00	24.50
WRM 30030515	300.00	305.00	15.00
WRM 30030825	300.00	308.00	25.00
WRM 30831325	308.00	313.00	25.00
WRM 31432015	314.00	320.00	15.00
WRM 315320245	315.00	320.00	24.50
WRM 32032525	320.00	325.00	25.00
WRM 34034515	340.00	345.00	15.00
WRM 36036525	360.00	365.00	25.00
WRM 37238025	372.00	380.00	25.00
WRM 37538015	375.00	380.00	15.00
WRM 38539015	385.00	390.00	15.00
WRM 39540015	395.00	400.00	15.00
WRM 39540025	395.00	400.00	25.00
WRM 40040525	400.00	405.00	25.00
WRM 41542025	415.00	420.00	25.00
WRM 42243025	422.00	430.00	25.00
WRM 42543025	425.00	430.00	25.00
WRM 44044525	440.00	445.00	25.00
WRM 46046525	460.00	465.00	25.00
WRM 49550025	495.00	500.00	25.00
WRM 53053825	530.00	538.00	25.00
WRM 60060525	600.00	605.00	25.00
WRM 60060825	600.00	608.00	25.00
WRM 62563025	625.00	630.00	25.00
WRM 70571015	705.00	710.00	15.00
WRM 78880030	788.00	800.00	30.00
WRM 79079825	790.00	798.00	25.00
WRM 80080525	800.00	805.00	25.00
WRM 95796525	957.00	965.00	25.00