

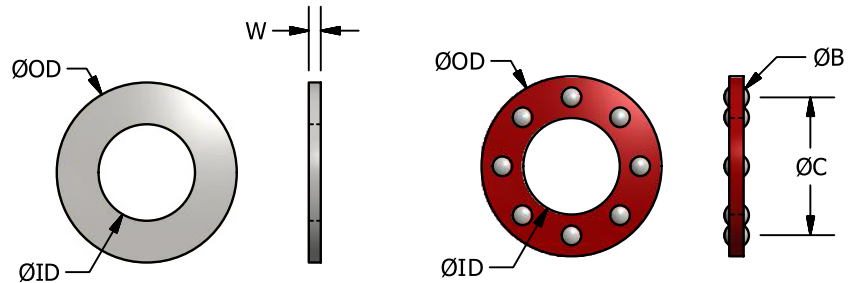
R/W

COMPONENTS

Thrust Washers & Ball Retainers

Inch

R/W



Part Number									
Thrust Washer		Nylon Ball Retainers							
Carbon Steel Washer	Stainless Steel Washer	Carbon Steel Balls	Stainless Steel Balls	ID	OD	W	C	B	# of Balls
W-012	WS-012	R-012	RS-012	.128 +.005/-0.000	.437 +.000/-0.007	.050 ±.002	9/32	.0938	6
W-018	WS-018	R-018	RS-018	.191 +.004/-0.000	.499 +.000/-0.007	.050 ±.002	11/32	.0938	7
W-025	WS-025	R-025	RS-025	.253 +.005/-0.000	.562 +.000/-0.007	.050 ±.002	13/32	.0938	8
W-031	WS-031	R-031	RS-031	.316 +.005/-0.000	.624 +.000/-0.007	.050 ±.002	15/32	.0938	9
W-037	WS-037	R-037	RS-037	.378 +.005/-0.000	.812 +.000/-0.007	.062 ±.002	19/32	.1250	6
W-043	WS-043	R-043	RS-043	.441 +.005/-0.000	.874 +.000/-0.007	.062 ±.002	21/32	.1250	7
W-050	WS-050	R-050	RS-050	.503 +.005/-0.000	.937 +.000/-0.007	.062 ±.002	23/32	.1250	8
W-056	WS-056	R-056	RS-056	.566 +.005/-0.000	.999 +.000/-0.007	.062 ±.002	25/32	.1250	9
W-062	WS-062	R-062	RS-062	.628 +.007/-0.000	1.124 +.000/-0.009	.093 ±.003	7/8	.1563	6
W-068	WS-068	R-068	RS-068	.691 +.007/-0.000	1.187 +.000/-0.009	.093 ±.003	15/16	.1563	7
W-075	WS-075	R-075	RS-075	.753 +.007/-0.000	1.249 +.000/-0.009	.093 ±.003	1	.1563	8
W-081	WS-081	R-081	RS-081	.816 +.007/-0.000	1.312 +.000/-0.009	.093 ±.003	1-1/16	.1563	9
W-087	WS-087	R-087	RS-087	.878 +.007/-0.000	1.374 +.000/-0.009	.093 ±.003	1-1/8	.1563	10
W-093	WS-093	R-093	RS-093	.941 +.009/-0.000	1.562 +.000/-0.011	.125 ±.005	1-1/4	.1875	9
W-100	WS-100	R-100	RS-100	1.003 +.009/-0.000	1.624 +.000/-0.011	.125 ±.005	1-5/16	.1875	10
W-112	WS-112	R-112	RS-112	1.128 +.009/-0.000	1.749 +.000/-0.011	.125 ±.005	1-7/16	.1875	12
W-125	WS-125	R-125	RS-125	1.253 +.009/-0.000	1.874 +.000/-0.011	.125 ±.005	1-9/16	.1875	14
W-150	WS-150	R-150	RS-150	1.503 +.009/-0.000	2.124 +.000/-0.011	.125 ±.005	1-13/16	.1875	14

All dimensions in inches

Larger sizes available in 1/2" increments to 6" ID and 1" increments to 10" ID
Washers and Retainers sold separately, for bearing sets, see Thrust Bearings

Carbon Steel Ball Thrust Bearing Technical Data

Washer: CR 1075 steel heat treated to RC 59-61
 Ball Material: S.A.E. 1018 steel with RC 60 minimum
 Ball Tolerance: ± 0.0001 in. (Grade 100)
 Retainer: HS nylon permitting continuous use up to 250° F

Stainless Steel Ball Thrust Bearing Technical Data

Washer: CR 410 stainless steel heat treated to RC 38-42
 Ball Material: type 440-c stainless steel with RC 58-65
 Ball Tolerance: ± 0.0001 in. (Grade 100)
 Retainer: HS nylon permitting continuous use up to 250° F

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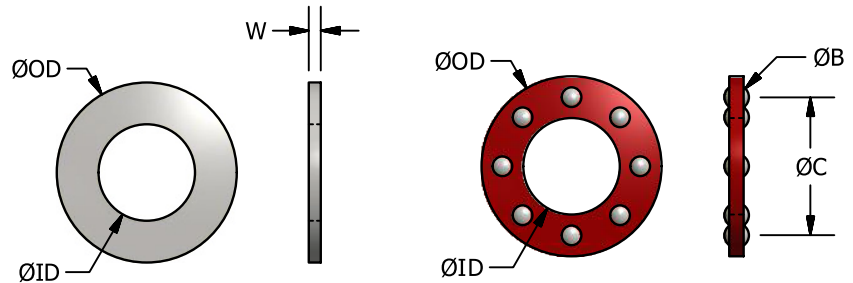
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COMPONENTS

Thrust Washers & Ball Retainers

Metric



Part Number									
Thrust Washer		Nylon Ball Retainers		ID	OD	W	C	B	# of Balls
Carbon Steel Washer	Stainless Steel Washer	Carbon Steel Balls	Stainless Steel Balls						
MW-409	MWS-409	MR-409	MRS-409	4.01 +0.05/-0	9.04 +0/-0.10	1.27 ±0.05	6.5	1.587	6
MW-512	MWS-512	MR-512	MRS-512	5.08 +0.13/-0	11.96 +0/-0.18	1.27 ±0.05	8.7	2.380	7
MW-614	MWS-614	MR-614	MRS-614	6.07 +0.13/-0	13.97 +0/-0.18	1.27 ±0.05	10.3	2.380	8
MW-717	MWS-717	MR-717	MRS-717	7.06 +0.12/-0	16.97 +0/-0.18	1.27 ±0.05	11.9	2.380	9
MW-816	MWS-816	MR-816	MRS-816	8.08 +0.12/-0	15.96 +0/-0.16	1.27 ±0.05	11.9	2.380	9
MW-1021	MWS-1021	MR-1021	MRS-1021	10.06 +0.13/-0	20.96 +0/-0.18	1.57 ±0.06	15.1	3.180	6
MW-1224	MWS-1224	MR-1224	MRS-1224	12.06 +0.13/-0	23.98 +0/-0.18	1.57 ±0.06	18.3	3.180	8
MW-1628	MWS-1628	MR-1628	MRS-1628	16.07 +0.19/-0	27.97 +0/-0.23	2.36 ±0.08	22.2	4.000	6
MW-1932	MWS-1932	MR-1932	MRS-1932	19.08 +0.17/-0	31.98 +0/-0.23	2.36 ±0.08	25.4	4.000	8
MW-2541	MWS-2541	MR-2541	MRS-2541	25.07 +0.23/-0	40.97 +0/-0.28	3.18 ±0.13	33.3	4.760	10
MW-2844	MWS-2844	MR-2844	MRS-2844	28.07 +0.23/-0	43.97 +0/-0.28	3.18 ±0.13	36.5	4.760	12

All dimensions in millimeters

Washers and Retainers sold separately, for bearing sets, see Thrust Bearings

Carbon Steel Ball Thrust Bearing Technical Data

Washer: CR 1075 steel heat treated to RC 59-61
 Ball Material: S.A.E. 1018 steel with RC 60 minimum
 Ball Tolerance: ± 0.0025 mm (Grade 100)
 Retainer: HS nylon permitting continuous use up to 250° F

Stainless Steel Ball Thrust Bearing Technical Data

Washer: CR 410 stainless steel heat treated to RC 38-42
 Ball Material: type 440-c stainless steel with RC 58-65
 Ball Tolerance: ± 0.0025 MM (Grade 100)
 Retainer: HS nylon permitting continuous use up to 250° F