

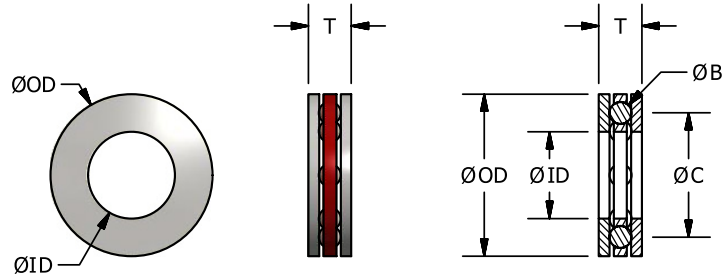
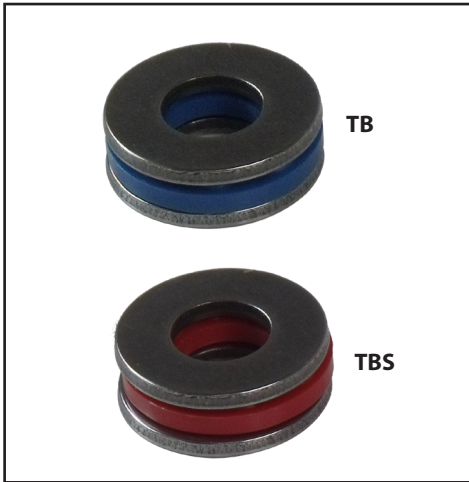
TB  
TBS

# COMPONENTS

## Thrust Bearings

Inch

TB  
TBS



Part Number		Load Ratings next page						
Carbon Steel	Stainless Steel	ID	OD	T	W	C	B	# of Balls
TB-012	TBS-012	.128 +.005/-0.000	.437 +.000/-0.007	.193 ±.003	.050 ±.002	9/32	.0938	6
TB-018	TBS-018	.191 +.004/-0.000	.499 +.000/-0.007	.193 ±.003	.050 ±.002	11/32	.0938	7
TB-025	TBS-025	.253 +.005/-0.000	.562 +.000/-0.007	.193 ±.003	.050 ±.002	13/32	.0938	8
TB-031	TBS-031	.316 +.005/-0.000	.624 +.000/-0.007	.193 ±.003	.050 ±.002	15/32	.0938	9
TB-037	TBS-037	.378 +.005/-0.000	.812 +.000/-0.007	.249 ±.004	.062 ±.002	19/32	.1250	6
TB-043	TBS-043	.441 +.005/-0.000	.874 +.000/-0.007	.249 ±.004	.062 ±.002	21/32	.1250	7
TB-050	TBS-050	.503 +.005/-0.000	.937 +.000/-0.007	.249 ±.004	.062 ±.002	23/32	.1250	8
TB-056	TBS-056	.566 +.005/-0.000	.999 +.000/-0.007	.249 ±.004	.062 ±.002	25/32	.1250	9
TB-062	TBS-062	.628 +.007/-0.000	1.124 +.000/-0.009	.342 ±.006	.093 ±.003	7/8	.1563	6
TB-068	TBS-068	.691 +.007/-0.000	1.187 +.000/-0.009	.342 ±.006	.093 ±.003	15/16	.1563	7
TB-075	TBS-075	.753 +.007/-0.000	1.249 +.000/-0.009	.342 ±.006	.093 ±.003	1	.1563	8
TB-081	TBS-081	.816 +.007/-0.000	1.312 +.000/-0.009	.342 ±.006	.093 ±.003	1-1/16	.1563	9
TB-087	TBS-087	.878 +.007/-0.000	1.374 +.000/-0.009	.342 ±.006	.093 ±.003	1-1/8	.1563	10
TB-093	TBS-093	.941 +.009/-0.000	1.562 +.000/-0.011	.437 ±.010	.125 ±.005	1-1/4	.1875	9
TB-100	TBS-100	1.003 +.009/-0.000	1.624 +.000/-0.011	.437 ±.010	.125 ±.005	1-5/16	.1875	10
TB-112	TBS-112	1.128 +.009/-0.000	1.749 +.000/-0.011	.437 ±.010	.125 ±.005	1-7/16	.1875	12
TB-125	TBS-125	1.253 +.009/-0.000	1.874 +.000/-0.011	.437 ±.010	.125 ±.005	1-9/16	.1875	14
TB-150	TBS-150	1.503 +.009/-0.000	2.124 +.000/-0.011	.437 ±.010	.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

### 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

TB  
TBS

# COMPONENTS

## Thrust Bearings

Inch - Load Ratings

TB  
TBS



Bearing Number	RPM							
	15	100	450	900	1200	1800	3600	5000
<b>TB-012</b>	120	63	38	30	27	24	19	17
<b>TB-018</b>	126	70	40	32	29	25	20	18
<b>TB-025</b>	131	69	42	34	29	26	21	18
<b>TB-031</b>	136	72	43	34	31	27	22	19
<b>TB-037</b>	175	93	56	44	40	35	28	25
<b>TB 043</b>	190	101	61	48	44	38	30	27
<b>TB-050</b>	201	106	64	51	46	40	32	29
<b>TB-056</b>	213	113	68	54	49	49	34	30
<b>TB-062</b>	251	133	80	64	58	51	40	36
<b>TB-068</b>	273	145	87	69	63	55	44	39
<b>TB-075</b>	293	155	94	74	68	59	47	42
<b>TB-081</b>	314	166	101	80	72	63	50	45
<b>TB-087</b>	328	174	105	83	76	66	52	47
<b>TB-093</b>	384	204	123	98	89	77	61	55
<b>TB-100</b>	459	243	147	117	106	93	73	66
<b>TB-112</b>	504	267	162	128	117	102	81	72
<b>TB-125</b>	545	289	175	139	125	110	87	78
<b>TB-150</b>	522	277	168	133	121	105	84	75

All load ratings are in pounds.

Bearing Number	RPM							
	15	100	450	900	1200	1800	3600	5000
<b>TBS-012</b>	84	44	26	21	19	17	13	12
<b>TBS-018</b>	88	48	28	22	20	18	14	12
<b>TBS 025</b>	92	49	29	24	20	18	15	12
<b>TBS-031</b>	95	40	30	24	21	19	15	13
<b>TBS-037</b>	123	65	39	31	28	24	19	17
<b>TBS-043</b>	133	70	42	33	31	26	21	19
<b>TB-S050</b>	140	74	45	35	32	28	22	20
<b>TBS-056</b>	149	79	47	38	34	34	24	21
<b>TBS-062</b>	175	93	56	45	40	36	28	25
<b>TBS-068</b>	191	101	61	48	44	38	31	27
<b>TBS-075</b>	205	108	66	52	48	41	33	29
<b>TBS-081</b>	220	116	71	56	50	44	35	31
<b>TBS-087</b>	196	122	73	58	53	46	36	33
<b>TBS-093</b>	268	143	86	68	62	54	43	38
<b>TBS-100</b>	321	170	103	82	74	65	51	46
<b>TBS-112</b>	352	187	113	89	82	71	57	50
<b>TBS-125</b>	381	202	122	97	90	77	61	54
<b>TBS-150</b>	365	194	118	93	85	73	59	52

All load ratings are in pounds.

Testing in your application is necessary. You will need to assess duty cycles and confirm suitability with your own calculations. All figures listed are to be used for guidance only.


 1-888-260-7466  
 516-771-6444

 sales@ondrivesus.com  
 www.ondrivesus.com

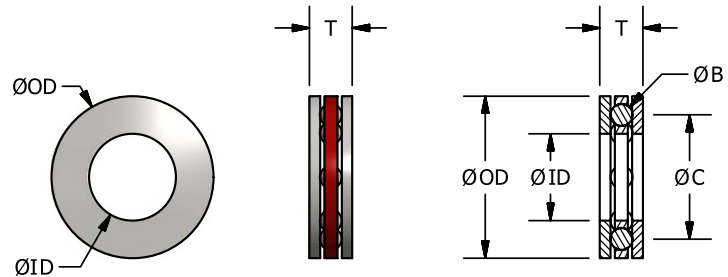
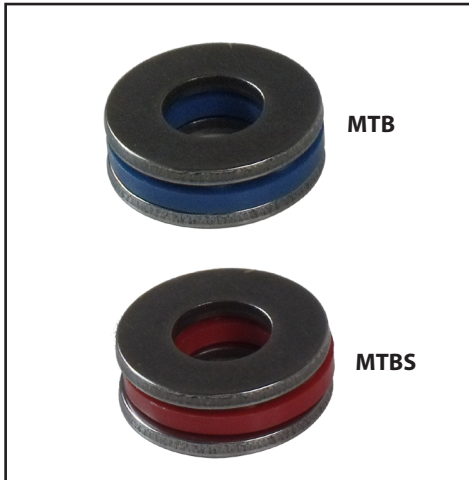
MTB  
MTBS

# COMPONENTS

## Thrust Bearings

Metric

MTB  
MTBS



Part Number		Load Ratings next page						
Carbon Steel	Stainless Steel	ID	OD	T	W	C	B	# of Balls
MTB-409	MTBS-409	4.01 +0.05/-0	9.04 +0/-0.10	4.14 ±0.10	1.27 ±0.05	6.5	1.587	6
MTB-512	MTBS-512	5.08 +0.13/-0	11.96 +0/-0.18	4.92 ±0.10	1.27 ±0.05	8.7	2.380	7
MTB-614	MTBS-614	6.07 +0.13/-0	13.97 +0/-0.18	4.92 ±0.10	1.27 ±0.05	10.3	2.380	8
MTB-717	MTBS-717	7.06 +0.12/-0	16.97 +0/-0.18	4.92 ±0.10	1.27 ±0.05	11.9	2.380	9
MTB-816	MTBS-816	8.08 +0.12/-0	15.96 +0/-0.16	4.92 ±0.10	1.27 ±0.05	11.9	2.380	9
MTB-1021	MTBS-1021	10.06 +0.13/-0	20.96 +0/-0.18	6.33 ±0.11	1.57 ±0.06	15.1	3.180	6
MTB-1224	MTBS-1224	12.06 +0.13/-0	23.98 +0/-0.18	6.33 ±0.11	1.57 ±0.06	18.3	3.180	8
MTB-1628	MTBS-1628	16.07 +0.19/-0	27.97 +0/-0.23	8.72 ±0.16	2.36 ±0.08	22.2	4.000	6
MTB-1932	MTBS-1932	19.08 +0.17/-0	31.98 +0/-0.23	8.72 ±0.16	2.36 ±0.08	25.4	4.000	8
MTB-2541	MTBS-2541	25.07 +0.23/-0	40.97 +0/-0.28	11.11 ±0.25	3.18 ±0.13	33.3	4.760	10
MTB-2844	MTBS-2844	28.07 +0.23/-0	43.97 +0/-0.28	11.11 ±0.25	3.18 ±0.13	36.5	4.760	12

All dimensions in millimeters.

### 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 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

## Thrust Bearings

Metric - Load Ratings

Bearing Number	RPM							
	15	100	450	900	1200	1800	3600	5000
MTB-409	51	27	16	13	12	10	8	7
MTB-512	126	70	40	32	20	17	14	12
MTB-614	131	69	42	34	20	18	14	12
MTB-717	136	72	43	34	21	19	15	13
MTB-816	136	72	43	34	21	19	15	13
MTB-1021	175	93	56	44	28	24	19	17
MTB-1224	201	106	64	51	32	28	22	20
MTB-1628	251	133	80	64	40	35	28	25
MTB-1932	293	155	94	74	47	41	33	29
MTB-2541	459	243	147	117	74	65	51	46
MTB-2844	504	267	162	128	82	71	56	50

All load ratings are in pounds.

Bearing Number	RPM							
	15	100	450	900	1200	1800	3600	5000
MTBS-409	35	18	11	8.5	8	6.5	5	4.5
MTBS-512	88	49	28	22	20	17	14	12
MTBS-614	91	48	29	23	20	18	14	12
MTBS-717	95	40	30	23	21	19	15	13
MTBS-816	95	50	30	23	21	19	15	13
MTBS-1021	122	65	39	30	28	24	19	17
MTBS-1224	140	74	44	35	32	28	22	20
MTBS-1628	175	93	56	44	40	35	28	25
MTBS-1932	205	108	65	51	47	41	33	29
MTBS-2541	321	170	103	82	74	65	51	46
MTBS-2844	352	187	113	89	82	71	56	50

All load ratings are in pounds.

Testing in your application is necessary. You will need to assess duty cycles and confirm suitability with your own calculations. All figures listed are to be used for guidance only.