

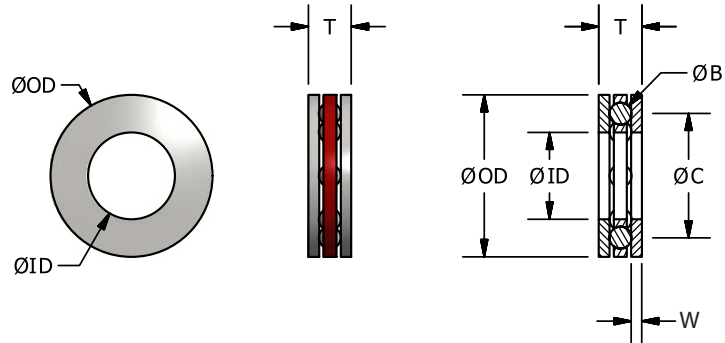
TBA

COMPONENTS

Thrust Bearings

Inch

TBA



Part Number		Load Ratings next page						
Carbon Steel	Stainless Steel	ID	OD	T	W	C	B	# of Balls
TBA-012C	TBA-012S	.128 +.005/-.000	.437 +.000/-.007	.193 ±.003	.050 ±.002	9/32	.0938	6
TBA-018C	TBA-018S	.191 +.004/-.000	.499 +.000/-.007	.193 ±.003	.050 ±.002	11/32	.0938	7
TBA-025C	TBA-025S	.253 +.005/-.000	.562 +.000/-.007	.193 ±.003	.050 ±.002	13/32	.0938	8
TBA-031C	TBA-031S	.316 +.005/-.000	.624 +.000/-.007	.193 ±.003	.050 ±.002	15/32	.0938	9
TBA-037C	TBA-037S	.378 +.005/-.000	.812 +.000/-.007	.249 ±.004	.062 ±.002	19/32	.1250	6
TBA-043C	TBA-043S	.441 +.005/-.000	.874 +.000/-.007	.249 ±.004	.062 ±.002	21/32	.1250	7
TBA-050C	TBA-050S	.503 +.005/-.000	.937 +.000/-.007	.249 ±.004	.062 ±.002	23/32	.1250	8
TBA-056C	TBA-056S	.566 +.005/-.000	.999 +.000/-.007	.249 ±.004	.062 ±.002	25/32	.1250	9
TBA-062C	TBA-062S	.628 +.007/-.000	1.124 +.000/-.009	.342 ±.006	.093 ±.003	7/8	.1563	6
TBA-068C	TBA-068S	.691 +.007/-.000	1.187 +.000/-.009	.342 ±.006	.093 ±.003	15/16	.1563	7
TBA-075C	TBA-075S	.753 +.007/-.000	1.249 +.000/-.009	.342 ±.006	.093 ±.003	1	.1563	8
TBA-081C	TBA-081S	.816 +.007/-.000	1.312 +.000/-.009	.342 ±.006	.093 ±.003	1-1/16	.1563	9
TBA-087C	TBA-087S	.878 +.007/-.000	1.374 +.000/-.009	.342 ±.006	.093 ±.003	1-1/8	.1563	10
TBA-093C	TBA-093S	.941 +.009/-.000	1.562 +.000/-.011	.437 ±.010	.125 ±.005	1-1/4	.1875	9
TBA-100C	TBA-100S	1.003 +.009/-.000	1.624 +.000/-.011	.437 ±.010	.125 ±.005	1-5/16	.1875	10
TBA-112C	TBA-112S	1.128 +.009/-.000	1.749 +.000/-.011	.437 ±.010	.125 ±.005	1-7/16	.1875	12
TBA-125C	TBA-125S	1.253 +.009/-.000	1.874 +.000/-.011	.437 ±.010	.125 ±.005	1-9/16	.1875	14
TBA-150C	TBA-150S	1.503 +.009/-.000	2.124 +.000/-.011	.437 ±.010	.125 ±.005	1-13/16	.1875	14
TBA-200C	TBA-200S	2.000 +.020/-.000	3.000 +.000/-.020	.625 ±.020	.188 ±.020	2-1/2	.2500	12
TBA-250C	TBA-250S	2.500 +.020/-.000	3.500 +.000/-.020	.625 ±.020	.188 ±.020	3	.2500	14
TBA-300C	TBA-300S	3.000 +.020/-.000	4.000 +.000/-.020	.625 ±.020	.188 ±.020	3-1/2	.2500	15
TBA-350C	TBA-350S	3.500 +.020/-.000	4.500 +.000/-.020	.625 ±.020	.188 ±.020	4	.2500	15
TBA-400C	TBA-400S	4.000 +.020/-.000	5.000 +.000/-.020	.687 ±.020	.188 ±.020	4-1/2	.3125	12
TBA-450C	TBA-450S	4.500 +.020/-.000	5.500 +.000/-.020	.687 ±.020	.188 ±.020	5	.3125	12
TBA-500C	TBA-500S	5.000 +.020/-.000	6.000 +.000/-.020	.687 ±.020	.188 ±.020	5-1/2	.3125	15

All dimensions in inches.

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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COMPONENTS

Thrust Bearings

Inch - Load Ratings

TBA

Load Ratings for Inch Carbon Steel Thrust Bearings

Bearing Number	RPM							
	15	100	450	900	1200	1800	3600	5000
TBA-012C	120	63	38	30	27	24	19	17
TBA-018C	126	70	40	32	29	25	20	18
TBA-025C	131	69	42	34	29	26	21	18
TBA-031C	136	72	43	34	31	27	22	19
TBA-037C	175	93	56	44	40	35	28	25
TBA-043C	190	101	61	48	44	38	30	27
TBA-050C	201	106	64	51	46	40	32	29
TBA-056C	213	113	68	54	49	49	34	30
TBA-062C	251	133	80	64	58	51	40	36
TBA-068C	273	145	87	69	63	55	44	39
TBA-075C	293	155	94	74	68	59	47	42
TBA-081C	314	166	101	80	72	63	50	45
TBA-087C	328	174	105	83	76	66	52	47
TBA-093C	384	204	123	98	89	77	61	55
TBA-100C	459	243	147	117	106	93	73	66
TBA-112C	504	267	162	128	117	102	81	72
TBA-125C	545	289	175	139	125	110	87	78
TBA-150C	522	277	168	133	121	105	84	75
TBA-200C	800	416	250	200	--	--	--	--
TBA-250C	820	426	255	204	--	--	--	--
TBA-300C	820	426	255	204	--	--	--	--
TBA-350C	785	408	243	194	--	--	--	--
TBA-400C	1040	540	324	259	--	--	--	--
TBA-450C	1010	525	315	252	--	--	--	--
TBA-500C	1140	593	356	284	--	--	--	--

All load ratings are in pounds.

*Table data continues on next page

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.

TBA

COMPONENTS

Thrust Bearings

Inch - Load Ratings

TBA

Load Ratings for Inch Stainless Steel Thrust Bearings

Bearing Number	RPM							
	15	100	450	900	1200	1800	3600	5000
TBA-012S	84	44	26	21	19	17	13	12
TBA-018S	88	48	28	22	20	18	14	12
TBA-025S	92	49	29	24	20	18	15	12
TBA-031S	95	40	30	24	21	19	15	13
TBA-037S	123	65	39	31	28	24	19	17
TBA-043S	133	70	42	33	31	26	21	19
TBA-050S	140	74	45	35	32	28	22	20
TBA-056S	149	79	47	38	34	34	24	21
TBA-062S	175	93	56	45	40	36	28	25
TBA-068S	191	101	61	48	44	38	31	27
TBA-075S	205	108	66	52	48	41	33	29
TBA-081S	220	116	71	56	50	44	35	31
TBA-087S	196	122	73	58	53	46	36	33
TBA-093S	268	143	86	68	62	54	43	38
TBA-100S	321	170	103	82	74	65	51	46
TBA-112S	352	187	113	89	82	71	57	50
TBA-125S	381	202	122	97	90	77	61	54
TBA-150S	365	194	118	93	85	73	59	52
TBA-200S	560	291	174	139	--	--	--	--
TBA-250S	574	298	178	142	--	--	--	--
TBA-300S	574	298	178	142	--	--	--	--
TBA-350S	549	291	233	176	--	--	--	--
TBA-400S	728	378	227	181	--	--	--	--
TBA-450S	707	367	220	176	--	--	--	--
TBA-500S	798	414	248	198	--	--	--	--

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.

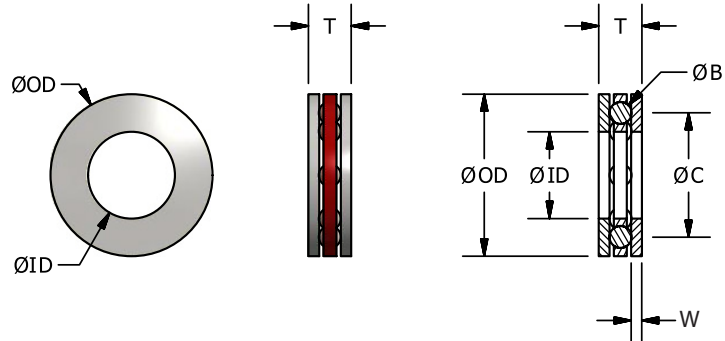
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COMPONENTS

Thrust Bearings

Metric

TBA



Part Number		Load Ratings next page						
Carbon Steel	Stainless Steel	ID	OD	T	W	C	B	# of Balls
TBA-04C	TBA-04S	4.01 +0.05/-0	9.04 +0/-0.10	4.14 ±0.10	1.27 ±0.05	6.5	1.587	6
TBA-05C	TBA-05S	5.08 +0.13/-0	11.96 +0/-0.18	4.92 ±0.10	1.27 ±0.05	8.7	2.380	7
TBA-06C	TBA-06S	6.07 +0.13/-0	13.97 +0/-0.18	4.92 ±0.10	1.27 ±0.05	10.3	2.380	8
TBA-07C	TBA-07S	7.06 +0.12/-0	16.97 +0/-0.18	4.92 ±0.10	1.27 ±0.05	11.9	2.380	9
TBA-08C	TBA-08S	8.08 +0.12/-0	15.96 +0/-0.16	4.92 ±0.10	1.27 ±0.05	11.9	2.380	9
TBA-10C	TBA-10S	10.06 +0.13/-0	20.96 +0/-0.18	6.33 ±0.11	1.57 ±0.06	15.1	3.180	6
TBA-12C	TBA-12S	12.06 +0.13/-0	23.98 +0/-0.18	6.33 ±0.11	1.57 ±0.06	18.3	3.180	8
TBA-16C	TBA-16S	16.07 +0.19/-0	27.97 +0/-0.23	8.72 ±0.16	2.36 ±0.08	22.2	4.000	6
TBA-19C	TBA-19S	19.08 +0.17/-0	31.98 +0/-0.23	8.72 ±0.16	2.36 ±0.08	25.4	4.000	8
TBA-25C	TBA-25S	25.07 +0.23/-0	40.97 +0/-0.28	11.11 ±0.25	3.18 ±0.13	33.3	4.760	10
TBA-28C	TBA-28S	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

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TBA

COMPONENTS

TBA

Thrust Bearings

Metric - Load Ratings

Load Ratings for Metric Carbon Steel Thrust Bearings

Bearing Number	RPM							
	15	100	450	900	1200	1800	3600	5000
TBA-04C	51	27	16	13	12	10	8	7
TBA-05C	126	70	40	32	20	17	14	12
TBA-06C	131	69	42	34	20	18	14	12
TBA-07C	136	72	43	34	21	19	15	13
TBA-08C	136	72	43	34	21	19	15	13
TBA-10C	175	93	56	44	28	24	19	17
TBA-12C	201	106	64	51	32	28	22	20
TBA-16C	251	133	80	64	40	35	28	25
TBA-19C	293	155	94	74	47	41	33	29
TBA-25C	459	243	147	117	74	65	51	46
TBA-28C	504	267	162	128	82	71	56	50

All load ratings are in pounds.

Load Ratings for Metric Carbon Steel Thrust Bearings

Bearing Number	RPM							
	15	100	450	900	1200	1800	3600	5000
TBA-04S	35	18	11	8.5	8	6.5	5	4.5
TBA-05S	88	49	28	22	20	17	14	12
TBA-06S	91	48	29	23	20	18	14	12
TBA-07S	95	40	30	23	21	19	15	13
TBA-08S	95	50	30	23	21	19	15	13
TBA-10S	122	65	39	30	28	24	19	17
TBA-12S	140	74	44	35	32	28	22	20
TBA-16S	175	93	56	44	40	35	28	25
TBA-19S	205	108	65	51	47	41	33	29
TBA-25S	321	170	103	82	74	65	51	46
TBA-28S	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.