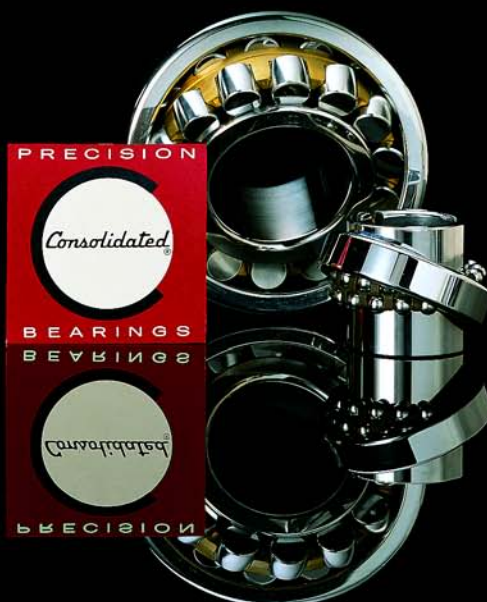


Thrust Bearings



Product Reference & Interchange Catalog

CATALOG
2008



CONSOLIDATED BEARINGS COMPANY

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About the Company...

Consolidated Bearings Company, founded in 1932 by William F. Meerwarth, was originally established as a bearing rebuilder and manufacturer. In 1934 **Consolidated** obtained the exclusive contract to represent the SRO Ball Bearing Company of Zürich, Switzerland for sales of its products in the United States.

During World War II, when importing from Europe became non-existent, **Consolidated** concentrated its efforts in its Bearing Rebuilding Division. This Division added many valuable contributions to the War Effort in repairing and rebuilding worn bearings on an emergency basis. For their efforts, **Consolidated** earned the Army/Navy "E" Award.

Soon after the war, **Consolidated** reactivated its Import Division by representing several major European bearing manufacturers. Selling exclusively to Bearing Distributors and OEM Accounts, **Consolidated** established a network of sales offices and district warehouses throughout the United States to provide prompt and efficient service to all its customers.

In 1969, **Consolidated** built and moved to its present location in Cedar Knolls, New Jersey, a suburb West of New York City. Since then, **Consolidated** has twice increased the size of its facilities to keep up with its expanding product line. The most recent enlargement added another 125,000 square feet of warehouse space.

Consolidated is constantly looking at new products and new technologies to meet the future needs of its customers. The goal at **Consolidated** is to provide its customers with the most reliable service possible.

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Abbreviations / Brands - Manufacturers

The following is a list of abbreviation/brands we have used in this catalog to identify the manufacturers and their respective country of origin.

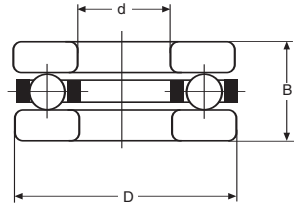
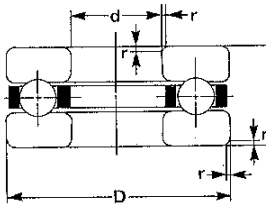
BRAND	MANUFACTURER
ADR	Les Applications du Roulement - Div. of SKF Europe - France
AETNA	Aetna Bearing Co. - U.S.A.
AMERICAN	American Roller Bearing Co. - U.S.A.
ANDREWS	Andrews Bearing Corp. – Subs. of MPB Corp. – U.S.A.
AURORA	Aurora Bearing Co. – U.S.A.
BAL	Emil Baltzer - Germany
4 BARDEN	The Barden Corp. - Div. of Industrierwerk Schaeffler-Germany & USA.
BCA	BCA Bearing Div. - Federal Mogul - U.S.A.
BERLISS	Berliss Bearing Co. - U.S.A.
BOWER	Bower Bearing Div. - Federal Mogul - U.S.A.
CFW	Carl Freudenberg - Germany
CORLETT-TURNER	Corlett-Turner Co. - U.S.A.
ELGES	Helmut Elges GmbH - Germany
3 FAF	Fafnir Bearing - Div. of The Torrington Co. - U.S.A.- Subsidiary of Timken Bearing Co.
4 FAG	FAG Kugelfischer Georg Schafer & Co. - Germany and U.S.A. Subs. of Industrierwerk Schaeffler-Germany & USA.
FBC	Fafnir Bearing Co. Ltd. - England
FED/Schatz	Schatz Federal Bearing Co. Inc. - U.S.A.
GOETZE	Goetzewerka - Germany
HEIM	Heim Bearings Div. – Roller Bearing Co. of America – U.S.A.
1 HOFF	Hoffmann Manufacturing Co. - U.S.A. - England
HYATT	New Departure Hyatt - Hyatt Bearings Div. - U.S.A.
INA	Industrierwerk Schaeffler - Germany & U.S.A.
ISC	Ishii Steel Ball Co. Ltd. – Div. of Genbearco International Corp. - Japan
KACO	Kupfer-Asbest Co. - Germany
KAYDON	Kaydon Corp. - U.S.A.
McGILL	McGill Manufacturing Co. - U.S.A.
MRC	MRC Bearings - Div. of SKF Industries - U.S.A.
NACHI	Nachi-Fujikoshi Corp. - Japan
NADELLA	Nadella Societe Anoyma - France
ND	New Departure Hyatt - U.S.A.
2 NH	Norma Hoffmann Bearing Corporation - U.S.A.
NICE	Nice Ball Bearing Co. - Div. SKF Industries - U.S.A.
NMB	Nippon Miniature Bearing Co. Ltd. – Japan
NSK	NSK Bearing Corp. - Japan
NTN	NTN-Toyo Bearing Co. Ltd. - Japan
RBC	Roller Bearing Co. of America - U.S.A.
RHP	Ransome Hoffmann Pollard Ltd. - England
1 R&M	Ransome & Marles Bearing Co. Ltd - England
RIV	RIV - SKF - Italy
RMB	Landis & Gyr, Inc. - U.S.A.
ROLLWAY	Rollway Bearing Div. - Lipe-Rollway Corp. - U.S.A.
SEALMASTER	Sealmaster Bearing Div. - Emerson Electric - U.S.A.
SKF	SKF Industries - U.S.A, Sweden, England, Germany, France
SMITH	Smith Bearing Co. - U.S.A.
SNR	Societe Nouvelle de Roulements - France
SPHERCO	Spherco Bearing Div. – Emerson Electric – U.S.A.
2 SRO	J. Schmid-Roost Ltd. - Switzerland
STAR	Deutsche Star Kugelhalter GmbH - Germany
STEYR	Steyr-Walzlager GmbH - Subs. of SKF Industries - Austria
THOMSON	Thomson Industries Inc. - U.S.A.
TORRINGTON	The Torrington Company - U.S.A.- Subsidiary of Timken Bearing Co.

¹ These manufacturers have been reorganized to form RHP - Ransome Hoffmann Pollard Ltd.

² These manufacturers have been repurchased by FAG. Therefore, these brands are no longer in use.

³ These manufacturers have been reorganized to form a subsidiary of Timken Bearing Co

⁴ These manufacturers have been reorganized to form a division of Industrierwerk Schaeffler-Germany & USA.

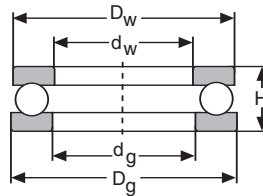


THRUST BALL BEARINGS - MINIATURE - SINGLE DIRECTION

Consolidated No.	Dimensions (Metric)			Approx. Wgt. (lbs.)	Interchange		
	d	D	B		ADR	Nachi	RMB
F3-8M	3	8	3.5	.002	B3	3TAM8	B308
F4-9M	4	9	4	.003	-	4TAM9	-
F4-10M	4	10	4	.003	B4	5TAM10	B410
F5-12M	5	12	4	.003	B5	-	B512
F6-12M	6	12	4.5	.004	-	6TAM12	-
F6-14M	6	14	5	.008	B6	-	B614
F7-13M	7	13	4.5	.004	-	-	-
F7-14M	7	14	4.5	.005	-	7TAM14	-
F7-17M	7	17	6	.010	B7	-	B717
F8-16M	8	16	5	.008	-	8TAM16	-
F8-19M	8	19	7	.016	B8	-	B819
F9-20M	9	20	7	.022	B9	-	B920
F10-18M	10	18	5.5	.026	-	-	-

THRUST BALL BEARINGS - MINIATURE - SINGLE DIRECTION - FLAT RACEWAYS

Consolidated No.	Dimensions (Metric)			Approx. Wgt. (lbs.)	Interchange
	d	D	B		
F2-6	2	6	3	.001	F2-6
F2X-7	2	7	3.5	.001	F2X-7
F3-8	3	8	3	.002	F3-8
F4-9	4	9	4	.003	F4-9
F4-10	4	10	4.5	.003	F4-10
F5-11	5	11	4.5	.003	F5-11
F6-12	6	12	4.5	.007	F6-12
F7-15	7	15	5	.009	F7-15
F8-16	8	16	5	.008	F8-16
F9-17	9	17	5	.019	F9-17
F10-18	10	18	5.5	.026	F10-18

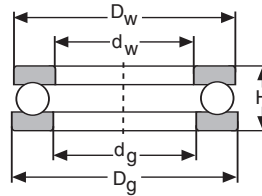


THRUST BALL BEARINGS - SINGLE DIRECTION

Consolidated No.	Dimensions (Metric)					Approx. Wgt. (lbs.)	Interchange				
	dw	dg	Dw	Dg	H		FAG RHP	SKF	SNR	STEYR	RIV
51100	10	11	24	24	9	.050	51100	51100	51100	51100	ELP 10
51101	12	13	26	26	9	.050	51101	51101	51101	51101	ELP 12
51102	15	16	28	28	9	.060	51102	51102	51102	51102	ELP 15
51103	17	18	30	30	9	.070	51103	51103	51103	51103	ELP 17
51104	20	21	35	35	10	.090	51104	51104	51104	51104	ELP 20
51105	25	26	42	42	11	.130	51105	51105	51105	51105	ELP 25
51106	30	32	47	47	11	.140	51106	51106	51106	51106	ELP 30
51107 X	35	37	52	52	12	.200	51107	51107 X	51107 X	51107 X	ELPn 35
51107	35	37	53	53	12	.220	-	-	-	51107	ELP 35
51108	40	42	60	60	13	.260	51108	51108	51108	51108	ELP 40
51109	45	47	65	65	14	.310	51109	51109	51109	51109	ELP 45
51110	50	52	70	70	14	.340	51110	51110	51110	51110	ELP 50
51111	55	57	78	78	16	.480	51111	51111	51111	51111	ELP 55
51112	60	62	85	85	17	.620	51112	51112	51112	51112	ELP 60
51113	65	67	90	90	18	.710	51113	51113	51113	51113	ELP 65
51114	70	72	95	95	18	.770	51114	51114	51114	51114	ELP 70
51115	75	77	100	100	19	.860	51115	51115	51115	51115	ELP 75
51116	80	82	105	105	19	.900	51116	51116	51116	51116	ELP 80
51117	85	87	110	110	19	.930	51117	51117	51117	51117	ELP 85
51118	90	92	120	120	22	1.410	51118	51118	51118	51118	ELP 90
51120	100	102	135	135	25	2.060	51120	51120	51120	51120	ELP 100
51122	110	112	145	145	25	2.250	51122	51122	51122	51122	ELP 110
51124	120	122	155	155	25	2.430	51124	51124	51124	51124	ELP 120
51126	130	132	170	170	30	3.620	51126	51126	51126	51126	ELP 130
51128	140	142	178	180	31	4.560	51128	51128	51128	51128	ELP 140
51130	150	152	188	190	31	4.810	51130	51130	51130	51130	ELP 150
51132	160	162	198	200	31	4.920	51132	51132	51132	51132	ELP 160
51134	170	172	213	215	34	6.530	51134	51134	51134	51134	ELP 170
51136	180	183	222	225	34	7.670	51136	51136	51136	51136	ELP 180
51138	190	193	237	240	37	8.950	51138	51138	51138	51138	ELP 190
51140	200	203	247	250	37	9.350	51140	51140	51140	51140	ELP 200
51144	220	223	267	270	37	10.200	51144	51144	51144	51144	ELP 220
51148	240	243	297	300	45	16.600	51148	51148	51148	51148	ELP 240
51152	260	263	317	320	45	17.900	51152	51152	51152	51152	ELP 260
51156	280	283	347	350	53	26.900	51156	51156	51156	51156	ELP 280
51160	300	304	376	380	62	38.600	51160	51160	51160	51160	ELP 300
51164	320	324	396	400	63	41.700	51164	51164	51164	51164	ELP 320
51168	340	344	416	420	64	44.800	51168	51168	51168	51168	ELP 340
51172	360	364	436	440	65	48.100	51172	51172	51172	-	ELP 360
51176	380	384	456	460	65	50.710	51176	51176	51176	-	-
51180	400	404	476	480	65	52.910	51180	51180	51180	-	-
51184	420	424	495	500	65	55.700	51184	51184	51184	-	-
51188	440	444	535	540	80	90.600	51188	51188	51188	-	-
51192	460	464	555	560	80	94.000	51192	51192	51192	-	-
51196	480	484	575	580	80	97.900	51196	51196	51196	-	-
511/500	500	505	595	600	80	101.700	511/500	511/500	511/500	-	-
511/530	530	535	635	640	85	124.000	511/530	511/530	511/530	-	-
511/560	560	565	665	670	85	130.500	511/560	511/560	-	-	-
511/600	600	605	705	710	85	139.000	-	511/600	-	-	-
511/630	630	635	745	750	95	178.500	-	511/630	-	-	-
511/670	670	675	795	800	105	229.000	-	511/670	-	-	-
511/710	710	715	845	850	112	282.000	-	-	-	-	-
511/750	750	755	895	900	120	348.000	-	-	-	-	-
511/800	800	805	945	950	120	368.000	-	-	-	-	-
511/850	850	855	995	1000	120	388.000	-	-	-	-	-
511/900	900	905	1055	1060	130	478.500	-	-	-	-	-
511/950	950	955	1115	1120	135	558.000	-	-	-	-	-
511/1000	1000	1005	1175	1180	140	641.500	-	-	-	-	-

NOTE:

- 1.) Above sizes also available in ABEC #3 (P/6) and ABEC #5 (P/5).
- 2.) Sizes 51130 and larger are normally available with machined bronze cage - suffix "M" or machined steel cage - suffix "F".

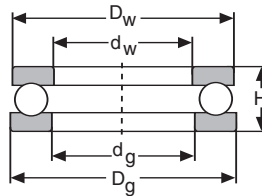


THRUST BALL BEARINGS - SINGLE DIRECTION

Consolidated No.	Dimensions (Metric)					Approx. Wgt. (lbs.)	Interchange				
	dw	dg	Dw	Dg	H		FAG RHP	SKF	SNR	STEYR	RIV
51200	10	12	26	26	11	.070	51200	51200	51200	51200	LP 10
51201	12	14	28	28	11	.080	51201	51201	51201	51201	LP 12
51202	15	17	32	32	12	.110	51202	51202	51202	51202	LP 15
51203	17	19	35	35	12	.120	51203	51203	51203	51203	LP 17
51204	20	22	40	40	14	.160	51204	51204	51204	51204	LP 20
51205	25	27	47	47	15	.240	51205	51205	51205	51205	LP 25
51206 X	30	32	52	52	16	.300	51206	51206 X	51206 X	51206 X	LPn 30
51206	30	32	53	53	16	.320	-	-	-	51206	LP 30
51207	35	37	62	62	18	.460	51207	51207	51207	51207	LP 35
51208	40	42	68	68	19	.570	51208	51208	51208	51208	LP 40
51209	45	47	73	73	20	.670	51209	51209	51209	51209	LP 45
51210	50	52	78	78	22	.800	51210	51210	51210	51210	LP 50
51211	55	57	90	90	25	1.260	51211	51211	51211	51211	LP 55
51212	60	62	95	95	26	1.390	51212	51212	51212	51212	LP 60
51213	65	67	100	100	27	1.610	51213	51213	51213	51213	LP 65
51214	70	72	105	105	27	1.700	51214	51214	51214	51214	LP 70
51215	75	77	110	110	27	1.790	51215	51215	51215	51215	LP 75
51216	80	82	115	115	28	1.940	51216	51216	51216	51216	LP 80
51217	85	88	125	125	31	2.620	51217	51217	51217	51217	LP 85
51218	90	93	135	135	35	3.550	51218	51218	51218	51218	LP 90
51220	100	103	150	150	38	4.740	51220	51220	51220	51220	LP 100
51222	110	113	160	160	38	5.140	51222	51222	51222	51222	LP 110
51224	120	123	170	170	39	6.310	51224	51224	51224	51224	LP 120
51226	130	133	187	190	45	9.240	51226	51226	51226	51226	LP 130
51228	140	143	197	200	46	10.400	51228	51228	51228	51228	LP 140
51230	150	153	212	215	50	13.400	51230	51230	51230	51230	LP 150
51232	160	163	222	225	51	14.100	51232	51232	51232	51232	LP 160
51234	170	173	237	240	55	17.700	51234	51234	51234	51234	LP 170
51236	180	183	247	250	56	19.500	51236	51236	51236	51236	LP 180
51238	190	194	267	270	62	26.200	51238	51238	51238	51238	LP 190
51240	200	204	277	280	62	26.800	51240	51240	51240	51240	LP 200
51244	220	224	297	300	63	30.200	51244	51244	51244	-	LP 220
51248	240	244	335	340	78	52.000	51248	51248	51248	-	LP 240
51252	260	264	355	360	79	56.400	51252	51252	51252	-	LP 260
51256	280	284	375	380	80	60.800	51256	51256	51256	-	LP 280
51260	300	304	415	420	95	95.000	51260	51260	51260	-	LP 300
51264	320	325	435	440	95	100.000	51264	51264	51264	-	LP 320
51268	340	345	455	460	96	107.000	51268	51268	51268	-	LP 340
51272	360	365	495	500	110	154.000	51272	51272	51272	-	LP 360
51276	380	385	515	520	112	162.000	51276	51276	51276	-	-
51280	400	405	535	540	112	170.000	51280	-	51280	-	-
51284	420	425	575	580	130	243.100	51284	-	51284	-	-
51288	440	445	595	600	130	251.900	51288	-	51288	-	-
51292	460	465	615	620	130	258.600	51292	-	51292	-	-
51296	480	485	645	650	135	302.800	51296	-	51296	-	-
512/500	500	505	665	670	135	316.000	512/500	-	512/500	-	-
512/530	530	535	705	710	140	370.000	-	-	-	-	-
512/560	560	565	745	750	150	450.000	-	-	-	-	-
512/600	600	605	795	800	160	529.000	-	-	-	-	-
512/630	630	635	845	850	175	672.000	-	-	-	-	-
512/670	670	675	895	900	180	769.000	-	-	-	-	-
512/710	710	715	945	950	190	897.000	-	-	-	-	-
512/750	750	755	995	1000	195	1009.000	-	-	-	-	-
512/800	800	805	1055	1060	205	1173.000	-	-	-	-	-
512/850	850	855	1115	1120	212	1340.000	-	-	-	-	-
512/900	900	905	1175	1180	220	1523.000	-	-	-	-	-
512/950	950	955	1245	1250	236	1847.000	-	-	-	-	-
512/1000	1000	1005	1315	1320	250	2200.000	-	-	-	-	-

NOTE:

- 1.) Above sizes also available in ABEC #3 (P/6) and ABEC #5 (P/5).
- 2.) Sizes 51230 and larger are normally available with machined bronze cage - suffix "M" or machined steel cage - suffix "F".

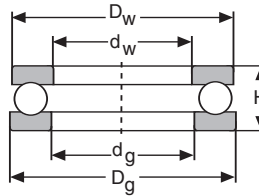


THRUST BALL BEARINGS - SINGLE DIRECTION

Consolidated No.	Dimensions (Metric)					Approx. Wgt. (lbs.)	Interchange			
	dw	dg	Dw	Dg	H		FAG SKF	RHP SNR	RIV	STEYR
51302	15	17	37	37	15	.190	51302	-	MP 15	51302
51303	17	19	40	40	16	.240	51303	-	MP 17	51303
51304	20	22	47	47	18	.310	51304	-	MPn 20	51304
51305	25	27	52	52	18	.380	51305	51305	MP 25	51305
51306	30	32	60	60	21	.560	51306	51306	MP 30	51306
51307	35	37	68	68	24	.820	51307	51307	MP 35	51307
51308	40	42	78	78	26	1.150	51308	51308	MP 40	51308
51309	45	47	85	85	28	1.430	51309	51309	MP 45	51309
51310	50	52	95	95	31	2.010	51310	51310	MP 50	51310
51311	55	57	105	105	35	2.780	51311	51311	MP 55	51311
51312	60	62	110	110	35	2.910	51312	51312	MP 60	51312
51313	65	67	115	115	36	3.200	51313	51313	MP 65	51313
51314	70	72	125	125	40	4.300	51314	51314	MP 70	51314
51315	75	77	135	135	44	5.600	51315	51315	MP 75	51315
51316	80	82	140	140	44	5.820	51316	51316	MP 80	51316
51317	85	88	150	150	49	7.560	51317	51317	MP 85	51317
51318	90	93	155	155	50	8.550	51318	51318	MP 90	51318
51320	100	103	170	170	55	11.300	51320	51320	MP 100	51320
51322	110	113	187	190	63	17.100	51322	-	MP 110	51322
51324	120	123	205	210	70	24.000	51324	-	MP 120	51324
51326	130	134	220	225	75	29.000	51326	-	MP 130	51326
51328	140	144	235	240	80	34.700	51328	-	MP 140	51328
51330	150	154	245	250	80	36.800	51330	-	MP150	51330
51332	160	164	265	270	87	47.600	51332	-	MP 160	51332
51334	170	174	275	280	87	48.900	51334	-	MP 170	51334
51336	180	184	295	300	95	63.300	51336	-	MP 180	51336
51338	190	195	315	320	105	80.900	51338	-	MP 190	51338
51340	200	205	335	340	110	96.300	51340	-	MP 200	51340
51344	220	225	355	360	112	106.100	51344	-	-	51344
51348	240	245	375	380	112	113.800	51348	-	-	51348
51352	260	265	415	420	130	165.800	51352	-	-	51352
51356	280	285	435	440	130	174.600	51356	-	-	51356
51360	300	305	475	480	140	232.100	51360	-	-	51360
51364	320	325	495	500	140	240.900	51364	-	-	51364
51368	340	345	535	540	160	329.300	51368	-	-	51368
51372	360	365	555	560	160	344.800	51372	-	-	51372
51376	380	385	595	600	175	442.000	51376	-	-	51376
51380	400	405	615	620	175	457.500	51380	-	-	51380
51384	420	425	645	650	180	512.700	51384	-	-	51384
51388	440	445	675	680	190	596.700	51388	-	-	51388
51392	460	465	705	710	195	640.900	51392	-	-	51392
51396	480	485	725	730	195	685.100	51396	-	-	51396
513/500	500	505	745	750	195	711.600	513/500	-	-	513/500
513/530	530	535	795	800	212	908.000	-	-	-	-
513/560	560	565	845	850	224	1089.000	-	-	-	-
513/600	600	605	895	900	236	1261.000	-	-	-	-
513/630	630	635	945	950	250	1495.000	-	-	-	-
513/670	670	675	995	1000	258	1680.000	-	-	-	-
513/710	710	715	1055	1060	272	2002.000	-	-	-	-
513/750	750	755	1115	1120	290	2381.000	-	-	-	-
513/800	800	805	1175	1180	300	2690.000	-	-	-	-
513/850	850	855	1245	1250	315	3175.000	-	-	-	-
513/900	900	905	1315	1320	335	3726.000	-	-	-	-
513/950	950	955	1395	1400	355	4475.000	-	-	-	-

NOTE:

- 1.) Above sizes also available in ABEC #3 (P/6) and ABEC #5 (P/5).
- 2.) Sizes 51318 and larger are normally available with machined bronze cage - suffix "M" or machined steel cage - suffix "F".

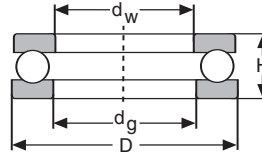


THRUST BALL BEARINGS - SINGLE DIRECTION

Consolidated No.	Dimensions (Metric)					Approx. Wgt. (lbs.)	Interchange				
	dw	dg	Dw	Dg	H		FAG	SKF	RHP	RIV	STEYR
51405	25	27	60	60	24	.670	51405	51405	51405	PP 25	51405
51406	30	32	70	70	28	1.090	51406	51406	51406	PP 30	51406
51407	35	37	80	80	32	1.630	51407	51407	51407	PP 35	51407
51408	40	42	90	90	36	2.360	51408	51408	51408	PP 40	51408
51409	45	47	100	100	39	3.090	51409	51409	51409	PP 45	51409
51410	50	52	110	110	43	4.100	51410	51410	51410	PP 50	51410
51411	55	57	120	120	48	5.470	51411	51411	51411	PP 55	51411
51412	60	62	130	130	51	6.810	51412	51412	51412	PP 60	51412
51413	65	68	140	140	56	9.720	51413	51413	51413	PP 65	51413
51414	70	73	150	150	60	12.000	51414	51414	51414	PP 70	51414
51415	75	78	160	160	65	14.900	51415	51415	51415	PP 75	51415
51416	80	83	170	170	68	17.600	51416	51416	51416	PP 80	51416
51417	85	88	177	180	72	20.800	51417	51417	51417	PP 85	51417
51418	90	93	187	190	77	24.900	51418	51418	51418	PP 90	51418
51420	100	103	205	210	85	33.300	51420	51420	51420	PP 100	51420
51422	110	113	225	230	95	44.500	51422	51422	-	PP 110	51422
51424	120	123	245	250	102	56.200	51424	51424	-	PP 120	51424
51426	130	134	265	270	110	70.500	-	51426	-	PP 130	51426
51428	140	144	275	280	112	76.100	-	51428	-	PP 140	51428
51430	150	154	295	300	120	92.300	-	51430	-	PP 150	51430
51432	160	164	315	320	130	115.000	-	-	-	PP 160	51432
51434	170	174	335	340	135	134.000	-	-	-	PP 170	51434
51436	180	184	355	360	140	156.000	-	-	-	PP 180	51436
51438	190	195	375	380	150	187.900	-	-	-	-	51438
51440	200	205	395	400	155	214.400	-	-	-	-	51440
51444	220	225	415	420	160	235.000	-	-	-	-	51444
51448	240	245	435	440	160	236.500	-	-	-	-	51448
51452	260	265	475	480	175	329.300	-	-	-	-	51452
51456	280	285	515	520	190	419.900	-	-	-	-	51456
51460	300	305	535	540	190	442.000	-	-	-	-	51460
51464	320	325	575	580	205	495.000	-	-	-	-	51464
51468	340	345	615	620	220	685.100	-	-	-	-	51468
51472	360	365	635	640	220	711.600	-	-	-	-	51472
51476	380	385	665	670	224	789.000	-	-	-	-	51476
51480	400	405	705	710	243	965.800	-	-	-	-	51480
51484	420	425	725	730	243	1001.100	-	-	-	-	51484
51488	440	445	775	780	265	1257.200	-	-	-	-	51488
51492	460	465	795	800	265	1315.000	-	-	-	-	51492
51496	480	485	845	850	290	1646.500	-	-	-	-	51496
514/500	500	505	865	870	290	1701.700	-	-	-	-	514/500
514/530	530	535	915	920	308	2081.000	-	-	-	-	-
514/560	560	565	975	980	335	2602.000	-	-	-	-	-
514/600	600	605	1025	1030	335	2800.000	-	-	-	-	-
514/630	630	635	1085	1090	365	3461.000	-	-	-	-	-
514/670	670	675	1145	1150	375	3880.000	-	-	-	-	-
514/710	710	715	1215	1220	400	4695.000	-	-	-	-	-
514/800	800	805	1355	1360	438	6327.000	-	-	-	-	-
514/850	850	855	1445	1450	475	7892.000	-	-	-	-	-

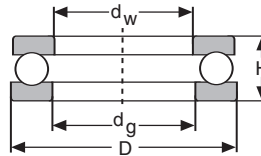
NOTE:

- 1.) Above sizes also available in ABEC #3 (P/6) and ABEC #5 (P/5).
- 2.) Sizes 51413 and larger are normally available with machined bronze cage - suffix "M" or machined steel cage - suffix "F".



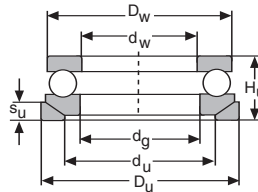
THRUST BALL BEARINGS - SINGLE DIRECTION

Consolidated No.	Dimensions (Metric)				Approx. Wgt. (lbs.)	Interchange		
	dw	dg	D	H		HOFF	INA SKF	MRC
2900	10	10.2	26	12	.070	XLM 10	2900	2900
2901	12	12.2	28	12	.080	XLM 12	2901	2901
2902	15	15.2	31	12	.100	XLM 15	2902	2902
2903	18	18.2	35	12	.130	XLM 18	2903	2903
2904	20	20.2	37	12	.150	XLM 20	2904	2904
2904 1/2	22	22.2	42	14	.190	XLM 22	2904 1/2	2904 1/2
2905	25	25.2	45	14	.220	XLM 25	2905	2905
2906	30	30.2	50	14	.250	XLM 30	2906	2906
2907	35	35.2	55	16	.320	XLM 35	2907	2907
2908	40	40.2	60	16	.350	XLM 40	2908	2908
2909	45	45.2	68	16	.490	XLM 45	2909	2909
2910	50	50.2	74	18	.570	-	2910	2910
2911	55	55.2	78	18	.600	-	2911	2911
2912	60	60.2	82	18	.650	-	2912	2912
2913	65	65.2	90	20	.830	-	2913	2913
2914	70	70.2	95	20	.880	-	2914	2914
2915	75	75.2	100	20	.940	-	2915	2915
2916	80	80.2	110	22	1.260	-	2916	2916
2917	85	85.2	115	22	1.550	-	2917	2917
2918	90	90.2	120	22	1.630	-	2918	2918
2919	95	95.2	130	25	1.990	-	2919	2919
2920	100	100.2	135	25	2.300	-	2920	2920
2921	105	105.2	140	25	2.150	-	2921	2921
2922	110	110.2	145	25	2.290	-	2922	2922
2923	115	115.2	150	25	2.630	-	2923	2923
2924	120	120.2	160	27	3.420	-	2924	2924
2925	125	125.2	165	27	3.560	-	2925	2925
2928	140	140.3	185	31	5.400	-	2928	-
3905	25	25.2	52	16	.340	-	3905	-
3906	30	30.2	60	19	.600	-	3906	-
3907	35	35.2	68	22	.880	-	3907	-
3908	40	40.2	76	25	1.200	-	3908	-
3909	45	45.2	85	28	1.740	-	3909	-
3910	50	50.2	92	31	2.170	-	3910	-
3911	55	55.2	100	33	2.540	-	3911	-
3912	60	60.2	106	35	3.160	-	3912	-
3913	65	65.2	112	36	3.500	-	3913	-
3914	70	70.2	120	38	4.250	-	3914	-
3915	75	75.2	128	41	4.900	-	3915	-
3916	80	80.2	136	44	6.180	-	3916	-
3917	85	85.2	145	47	7.600	-	3917	-
3918	90	90.2	155	50	9.380	-	3918	-
3919	95	95.2	165	54	11.500	-	3919	-
3920	100	100.2	172	57	13.130	-	3920	-
3921	105	105.2	180	60	15.070	-	3921	-
3922	110	110.2	190	63	17.750	-	3922	-
3923	115	115.2	200	66	20.250	-	3923	-
3924	120	120.2	210	69	23.500	-	3924	-



THRUST BALL BEARINGS - SINGLE DIRECTION

Consolidated No.	Dimensions (Metric)				Approx. Wgt. (lbs.)	Interchange		
	dw	dg	D	H		INA	MRC	SKF
900	10	10.2	25	12.0	.080	900	-	-
902	15	15.2	35	14.0	.110	902	1103F	902
904	20	20.2	40	14.0	.170	904	1104F	904
905	25	25.2	48	15.5	.280	905	1105F1	905
906	30	30.2	53	15.5	.320	906	1106F2	906
907	35	35.2	62	18.0	.460	907	1107F	907
908	40	40.2	64	18.0	.470	908	1108F	908
909	45	45.2	73	22.0	.770	909	1109F2	909
910	50	50.2	78	22.0	.810	910	1110F1	910
911	55	55.2	88	24.5	1.190	911	1111F2	911
912	60	60.2	90	24.5	1.140	912	1112F2	912
913	65	65.2	100	27.0	1.610	913	1113F	913
914	70	70.2	103	27.0	1.550	914	1114F	914
915	75	75.2	110	27.0	1.830	915	1115F	915
916	80	80.2	115	29.0	2.070	916	1116F3	916
917	85	85.2	125	30.5	2.570	917	1117F2	917
918	90	90.2	135	30.5	3.080	918	1118F1	918
919	95	95.2	140	32.5	3.470	919	1119F2	919
920	100	100.2	150	32.5	4.000	920	1120F2	920
921	105	105.2	155	40.0	5.290	921	1121F	921
922	110	110.2	160	40.0	6.190	922	-	-
923	115	115.2	165	43.0	7.000	923	1123F	923
924	120	120.2	170	43.0	7.380	924	-	-
925	125	125.2	175	46.5	8.250	925	1125F6	925
926	130	130.2	180	46.5	8.380	926	-	926
928	140	140.2	200	52.0	11.250	928	1128F	928
930	150	150.2	220	55.0	16.000	930	-	-
932	160	160.5	235	60.0	21.000	932	-	-
934	170	170.5	250	65.0	26.000	934	-	-
936	180	180.5	260	65.0	27.000	936	-	-
938	190	190.5	275	70.0	32.000	938	-	-
940	200	200.5	290	70.0	35.000	940	-	-
944	220	220.5	315	80.0	48.000	944	-	-
948	240	240.5	345	85.0	59.000	948	-	-
952	260	260.5	375	90.0	63.000	952	-	-
956	280	280.5	400	95.0	83.000	956	-	-
960	300	300.5	430	105.0	115.000	960	-	-



THRUST BALL BEARINGS WITH SPHERICAL SEATING RING - SINGLE DIRECTION*

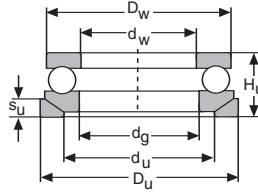
Consolidated No.	Dimensions (Metric)							Approx. Wgt. (lbs.)	Interchange			
	dw	dg	Dw	du	Du	Su	Hu		FAG	SKF	RIV	STEYR
53200-U	10	12	26	18	28	3.5	13	.090	53200 U	-	LR 10	53200 U
53201-U	12	14	28	20	30	3.5	13	.100	53201 U	53201 U	LR 12	53201 U
53202-U	15	17	32	24	35	4.0	15	.140	53202 U	53202 U	LR 15	53202 U
53203-U	17	19	35	26	38	4.0	15	.160	53203 U	53203 U	LR 17	53203 U
53204-U	20	22	40	30	42	5.0	17	.230	53204 U	53204 U	LR 20	53204 U
53205-U	25	27	47	36	50	5.5	19	.340	53205 U	53205 U	LR 25	53205 U
53206-XU	30	32	52	42	55	5.5	20	.430	53206 XU	53206 XU	LRn 30	53206 XU
53207-U	35	37	62	48	65	7.0	22	.620	53207 U	53207 U	LR 35	53207 U
53208-U	40	42	68	55	72	7.0	23	.750	53208 U	53208 U	LR 40	53208 U
53209-U	45	47	73	60	78	7.5	24	.880	53209 U	53209 U	LR 45	53209 U
53210-U	50	52	78	62	82	7.5	26	1.050	53210 U	53210 U	LR 50	53210 U
53211-U	55	57	90	72	95	9.0	30	1.700	53211 U	53211 U	LR 55	53211 U
53212-U	60	62	95	78	100	9.0	31	1.870	53212 U	53212 U	LR 60	53212 U
53213-U	65	67	100	82	105	9.0	32	2.050	53213 U	53213 U	LR 65	53213 U
53214-U	70	72	105	88	110	9.0	32	2.170	53214 U	53214 U	LR 70	53214 U
53215-U	75	77	110	92	115	9.5	32	2.340	53215 U	53215 U	LR 75	53215 U
53216-U	80	82	115	98	120	10.0	33	2.540	53216 U	53216 U	LR 80	53216 U
53217-U	85	88	125	105	130	11.0	37	3.460	53217 U	53217 U	LR 85	53217 U
53218-U	90	93	135	110	140	13.5	42	4.830	53218 U	53218 U	LR 90	53218 U
53220-U	100	103	150	125	155	14.0	45	6.260	53220 U	53220 U	LR 100	53220 U
53222-U	110	113	160	135	165	14.0	45	6.750	53222 U	53222 U	LR 110	53222 U
53224-U	120	123	170	145	175	15.0	46	7.630	53224 U	53224 U	LR 120	53224 U
53226-U	130	133	187	160	195	17.0	53	11.000	53226 U	53226 U	LR 130	53226 U
53228-U	140	143	197	170	210	17.0	55	13.200	53228 U	53228 U	LR 140	53228 U
53230-U	150	153	212	180	225	20.5	60	16.000	53230 U	-	LR 150	53230 U
53232-U	160	163	222	190	235	21.0	61	17.700	53232 U	-	LR 160	53232 U
53234-U	170	173	237	200	250	21.5	65	22.000	53234 U	-	LR 170	53234 U
53236-U	180	183	245	210	260	21.5	66	23.110	53236 U	-	LR 180	53236 U
53238-U	190	194	265	230	280	23.0	73	30.000	53238 U	-	LR 190	53238 U
53240-U	200	204	275	240	290	23.0	74	30.870	-	-	LR 200	53240 U
53244-U	220	224	295	260	310	25.0	75	35.280	-	-	LR 220	53244 U
53248-U	240	244	335	290	350	30.0	92	60.190	-	-	LR 240	53248 U
53252-U	260	264	355	305	370	30.0	93	64.160	-	-	LR 260	53252 U
53256-U	280	284	375	325	390	31.0	94	69.450	-	-	LR 280	53256 U
53260-U	300	304	415	360	430	34.0	112	109.790	-	-	LR 300	53260 U
53264-U	320	325	435	380	450	36.0	112	117.510	-	-	LR 320	53264 U
53268-U	340	345	455	400	470	36.0	113	120.600	-	-	LR 340	53268 U
53272-U	360	365	495	430	510	43.0	130	179.680	-	-	LR 360	53272 U

*These bearings are supplied as a complete unit.

Example: 53204-U equivalent to 53204 + U-204 Spherical Seating Ring

NOTE:

1.) Sizes 53230-U and larger are normally available with machined bronze cage - suffix "M" or machined steel cage - suffix "F".

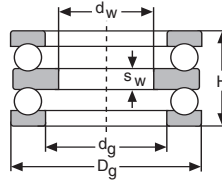


THRUST BALL BEARINGS WITH SPHERICAL SEATING RING - SINGLE DIRECTION*

Consolidated No.	Dimensions (Metric)							Approx. Wgt. (lbs.)	Interchange			
	dw	dg	Dw	du	Du	Su	Hu		FAG	SKF	RIV	STEYR
53305-U	25	27	52	38	55	6.0	22	.500	53305 U	-	MR 25	53305 U
53306-U	30	32	60	45	62	7.0	25	.720	53306 U	53306 U	MR 30	53306 U
53307-U	35	37	68	52	72	7.5	28	1.070	53307 U	53307 U	MR 35	53307 U
53308-U	40	42	78	60	82	8.5	31	1.520	53308 U	53308 U	MR 40	53308 U
53309-U	45	47	85	65	90	10.0	33	1.870	53309 U	53309 U	MR 45	53309 U
53310-U	50	52	95	72	100	11.0	37	2.730	53310 U	53310 U	MR 50	53310 U
53311-U	55	57	105	80	110	11.5	42	3.730	53311 U	53311 U	MR 55	53311 U
53312-U	60	62	110	85	115	11.5	42	3.920	53312 U	53312 U	MR 60	53312 U
53313-U	65	67	115	90	120	12.5	43	4.300	53313 U	53313 U	MR 65	53313 U
53314-U	70	72	125	98	130	13.0	48	5.640	53314 U	53314 U	MR 70	53314 U
53315-U	75	77	135	105	140	15.0	52	7.210	53315 U	53315 U	MR 75	53315 U
53316-U	80	82	140	110	145	15.0	52	7.560	53316 U	53316 U	MR 80	53316 U
53317-U	85	88	150	115	155	17.5	58	9.790	53317 U	53317 U	MR 85	53317 U
53318-U	90	93	155	120	160	18.0	59	10.400	53318 U	53318 U	MR 90	53318 U
53320-U	100	103	170	135	175	18.0	64	13.300	53320 U	53320 U	MR 100	53320 U
53322-U	110	113	187	150	195	20.5	72	20.000	53322 U	53322 U	MR 110	53322 U
53324-U	120	123	205	165	220	22.0	80	28.000	53324 U	53324 U	MR 120	53324 U
53326-U	130	134	220	177	235	26.0	86	34.200	-	53326 U	MR 130	53326 U
53328-U	140	144	235	190	250	26.0	92	40.600	-	-	MR 140	53328 U
53330-U	150	154	245	200	260	26.0	92	42.300	53330 U	-	MR 150	53330 U
53332-U	160	164	265	215	280	29.0	100	54.020	-	-	MR 160	53332 U
53334-U	170	174	275	220	290	29.0	100	59.750	-	-	MR 170	53334 U
53336-U	180	184	295	240	310	32.0	109	72.310	-	-	MR 180	53336 U
53338-U	190	195	315	255	330	33.0	121	95.680	-	-	MR 190	53338 U
53340-U	200	205	335	270	350	38.0	130	113.540	-	-	MR 200	53340 U
53405-U	25	27	60	42	62	8.0	29	.940	53405 U	PR-25	-	53405 U
53406-U	30	32	70	50	75	9.0	33	1.460	53406 U	PR-30	-	53406 U
53407-U	35	37	80	58	85	10.0	37	2.120	53407 U	PR-35	-	53407 U
53408-U	40	42	90	65	95	12.0	42	3.020	53408 U	PR-40	53408 U	53408 U
53409-U	45	47	100	72	105	12.5	46	4.010	53409 U	PR-45	-	53409 U
53410-U	50	52	110	80	115	14.0	50	5.250	53410 U	PR-50	-	53410 U
53411-U	55	57	120	88	125	15.5	55	6.840	53411 U	PR-55	53411 U	53411 U
53412-U	60	62	130	95	135	16.0	58	9.110	53412 U	PR-60	53412 U	53412 U
53413-U	65	68	140	100	145	17.5	65	11.600	53413 U	PR-65	-	53413 U
53414-U	70	73	150	110	155	19.5	69	14.000	53414 U	PR-70	53414 U	53414 U
53415-U	75	78	160	115	165	21.0	75	17.400	53415 U	PR-75	53415 U	53415 U
53416-U	80	83	170	125	175	22.0	78	20.300	53416 U	PR-80	-	53416 U
53417-U	85	88	177	130	185	23.0	83	24.300	53417 U	PR-85	-	53417 U
53418-U	90	93	187	140	195	25.5	88	28.200	53418 U	PR-90	53418 U	53418 U
53420-U	100	103	205	155	220	27.0	98	39.200	53420 U	PR-100	53420 U	53420 U
53422-U	110	113	225	170	240	29.0	109	52.500	53422 U	PR-110	-	53422 U
53424-U	120	123	245	185	260	32.0	118	65.900	53424 U	PR-120	-	53424 U
53426-U	130	134	265	200	280	38.0	128	82.700	53426 U	PR-130	-	53426 U
53428-U	140	144	275	206	290	38.0	131	88.850	53428 U	PR-140	-	53428 U
53430-U	150	154	295	225	310	41.0	140	106.710	53430 U	PR-150	-	53430 U
53432-U	160	164	315	240	330	41.5	150	133.820	53432 U	PR-160	-	53432 U
53434-U	170	174	335	255	350	46.0	156	155.430	53434 U	PR-170	-	53434 U
53436-U	180	184	355	270	370	46.5	164	185.850	53436 U	PR-180	-	53436 U

*These bearings are supplied as a complete unit.

Example: 53305-U equivalent to 53305 + U-305 Spherical Seating Ring
 53405-U equivalent to 53405 + U-405 Spherical Seating Ring

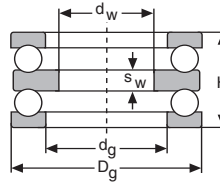


THRUST BALL BEARINGS - DOUBLE DIRECTION

Consolidated No.	Dimensions (Metric)					Approx. Wgt. (lbs.)	Interchange			
	dw	dg	Dg	H	Sw		FAG	SKF	STEYR	RIV
52202	10	17	32	22	5	.180	52202	52202	52202	DLP 15
52204	15	22	40	26	6	.310	52204	52204	52204	DLP 20
52205	20	27	47	28	7	.450	52205	52205	52205	DLP 25
52206 X	25	32	52	29	7	.560	52206	52206 X	52206 X	DLPn 30
52206	25	32	53	29	7	.560	-	-	52206	DLP 30
52207	30	37	62	34	8	.860	52207	52207	52207	DLP 35
52208	30	42	68	36	9	1.120	52208	52208	52208	DLP 40
52209	35	47	73	37	9	1.260	52209	52209	52209	DLP 45
52210	40	52	78	39	9	1.480	52210	52210	52210	DLP 50
52211	45	57	90	45	10	2.310	52211	52211	52211	DLP 55
52212	50	62	95	46	10	2.490	52212	52212	52212	DLP 60
52213	55	67	100	47	10	2.800	52213	52213	52213	DLP 65
52214	55	72	105	47	10	3.020	52214	52214	52214	DLP 70
52215	60	77	110	47	10	3.240	52215	52215	52215	DLP 75
52216	65	82	115	48	10	3.480	52216	52216	52216	DLP 80
52217	70	88	125	55	12	4.830	52217	52217	52217	DLP 85
52218	75	93	135	62	14	6.570	52218	52218	52218	DLP 90
52220	85	103	150	67	15	8.530	52220	52220	52220	DLP 100
52222	95	113	160	67	15	9.280	52222	52222	52222	DLP 110
52224	100	123	170	68	15	10.400	52224	52224	52224	DLP 120
52226	110	133	190	80	18	18.000	52226	52226	52226	DLP 130
52228	120	143	200	81	18	19.200	52228	52228	52228	DLP 140
52230	130	153	215	89	20	23.400	52230	52230	52230	DLP 150
52232	140	163	225	90	20	26.200	52232	52232	52232	DLP 160
52234	150	173	240	97	21	33.500	52234	52234	52234	DLP 170
52236	150	183	250	98	21	35.300	-	52236	52236	DLP 180
52238	160	194	270	109	24	47.600	-	-	52238	DLP 190
52240	170	204	280	109	24	50.300	-	-	52240	DLP 200
52244	190	224	300	110	24	52.900	-	-	52244	DLP 220

NOTE:

- 1.) The dimension "Dg" applies only to the Housing Washers. The outside diameter of the Shaft Washer is smaller than dimension "Dg".
- 2.) Sizes 52230 and larger are normally available with machined bronze cage - suffix "M" or machined steel cage - suffix "F".

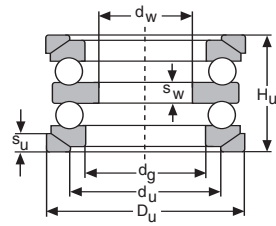


THRUST BALL BEARINGS - DOUBLE DIRECTION

Consolidated No.	Dimensions (Metric)					Approx. Wgt. (lbs.)	Interchange			
	dw	dg	Dg	H	Sw		FAG	RIV	SKF	STEYR
52305	20	27	52	34	8	.730	52305	DMP 25	52305	52305
52306	25	32	60	38	9	1.080	52306	DMP 30	52306	52306
52307	30	37	68	44	10	1.570	52307	DMP 35	52307	52307
52308	30	42	78	49	12	2.340	52308	DMP 40	52308	52308
52309	35	47	85	52	12	2.840	52309	DMP 45	52309	52309
52310	40	52	95	58	14	4.100	52310	DMP 50	52310	52310
52311	45	57	105	64	15	5.530	52311	DMP 55	52311	52311
52312	50	62	110	64	15	5.910	52312	DMP 60	52312	52312
52313	55	67	115	65	15	6.390	52313	DMP 65	52313	52313
52314	55	72	125	72	16	8.600	52314	DMP 70	52314	52314
52315	60	77	135	79	18	10.700	52315	DMP 75	52315	52315
52316	65	82	140	79	18	11.200	52316	DMP 80	52316	52316
52317	70	88	150	87	19	14.200	52317	DMP 85	-	52317
52318	75	93	155	88	19	14.600	52318	DMP 90	-	52318
52320	85	103	170	97	21	19.600	52320	DMP 100	52320	52320
52322	95	113	190	110	24	30.400	52322	DMP 110	-	52322
52324	100	123	210	123	27	37.900	52324	DMP 120	-	52324
52326	110	134	225	130	30	49.000	52326	DMP 130	-	52326
52328	120	144	240	140	31	61.500	52328	DMP 140	-	52328
52330	130	154	250	140	31	61.730	52330	DMP 150	-	52330 M
52332	140	164	270	153	33	65.040	-	DMP 160	-	52332 M
52334	150	174	280	153	33	83.740	-	DMP 170	-	52334 M
52336	150	184	300	165	37	112.440	-	DMP 180	-	52336 M
52338	160	195	320	183	40	141.100	-	DMP 190	-	52338 M
52340	170	205	340	192	42	171.960	-	DMP 200	-	52340 M
52405	15	27	60	45	11	1.390	52405	DPP 25	-	52405
52406	20	32	70	52	12	2.210	52406	DPP 30	52406	52406
52407	25	37	80	59	14	3.180	52407	DPP 35	52407	52407
52408	30	42	90	65	15	4.480	52408	DPP 40	52408	52408
52409	35	47	100	72	17	5.980	52409	DPP 45	52409	52409
52410	40	52	110	78	18	7.850	52410	DPP 50	-	52410
52411	45	57	120	87	20	10.400	52411	DPP 55	52411	52411
52412	50	62	130	93	21	14.000	52412	DPP 60	52412	52412
52413	50	68	140	101	23	17.700	52413	DPP 65	52413	52413
52414	55	73	150	107	24	21.400	52414	DPP 70	52414	52414
52415	60	78	160	115	26	26.000	52415	DPP 75	-	52415
52416	65	83	170	120	27	30.900	52416	DPP 80	-	52416
52417	65	88	180	128	29	38.600	52417	DPP 85	-	52417
52418	70	93	190	135	30	43.200	52418	DPP 90	-	52418
52420	80	103	210	150	33	58.700	52420	DPP 100	-	52420
52422	90	113	230	166	37	78.490	52422	DPP 110	-	52422
52424	95	123	250	177	40	97.670	52424	DPP 120	-	52424
52426	100	134	270	192	42	124.780	52426	DPP 130	-	52426
52428	110	144	280	196	44	134.040	52428	DPP 140	-	52428
52430	120	154	300	209	46	165.130	52430	DPP 150	-	52430
52432	130	164	320	226	50	199.520	52432	DPP 160	-	52432
52434	135	174	340	236	50	238.100	52434	DPP 170	-	52434
52436	140	184	360	245	52	277.780	52436	DPP 180	-	52436

NOTE:

1.) The dimension "Dg" applies only to the Housing Washers. The outside diameter of the Shaft Washer is smaller than dimension "Dg".

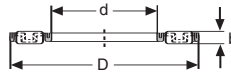


THRUST BALL BEARINGS WITH SPHERICAL SEATING RINGS - DOUBLE DIRECTION*

Consolidated No.	Dimensions (Metric)						Approx. Wgt. (lbs.)	Interchange				
	dw	dg	Sw	du	Du	Su		Hu	FAG	RIV	SKF	STEYR
54204-U	15	22	6	30	42	5.0	32	.420	-	DLR 20	-	54204-U
54205-U	20	27	7	36	50	5.5	36	.670	54205-U	DLR 25	-	54205-U
54206-XU	25	32	7	42	55	5.5	37	.770	54206-XU	DLRn 30	-	54206-XU
54207-U	30	37	8	48	65	7.0	42	1.200	54207-U	DLR 35	54207-U	54207-U
54208-U	30	42	9	55	72	7.0	44	1.500	54208-U	DLR 40	54208-U	54208-U
54209-U	35	47	9	60	78	7.5	45	1.730	54209-U	DLR 45	54209-U	54209-U
54210-U	40	52	9	62	82	7.5	47	1.950	54210-U	DLR 50	-	54210-U
54211-U	45	57	10	72	95	9.0	55	3.180	54211-U	DLR 55	54211-U	54211-U
54212-U	50	62	10	78	100	9.0	56	3.460	54212-U	DLR 60	-	54212-U
54213-U	55	67	10	82	105	9.0	57	3.750	-	DLR 65	-	54213-U
54214-U	55	72	10	88	110	9.0	57	4.040	-	DLR 70	-	54214-U
54215-U	60	77	10	92	115	9.5	57	4.320	54215-U	DLR 75	-	54215-U
54216-U	65	82	10	98	120	10.0	58	4.590	54216-U	DLR 80	-	54216-U
54217-U	70	88	12	105	130	11.0	67	6.390	54217-U	DLR 85	-	54217-U
54218-U	75	93	14	110	140	13.5	76	8.970	54218-U	DLR 90	-	54218-U
54220-U	85	103	15	125	155	14.0	81	11.600	54220-U	DLR 100	-	54220-U
54222-U	95	113	15	135	165	14.0	81	12.721	-	DLR 110	-	54222-U
54224-U	100	123	15	145	175	15.0	82	14.021	-	DLR 120	-	54224-U
54226-U	110	133	18	160	195	17.0	96	21.980	-	DLR 130	-	54226-U
54228-U	120	143	18	170	210	17.0	99	24.471	-	DLR 140	-	54228-U
54230-U	130	153	20	180	225	20.5	109	31.746	-	DLR 150	-	54230-U
54232-U	140	163	20	190	235	21.0	110	33.069	-	DLR 160	-	54232-U
54234-U	150	173	21	200	250	21.5	117	39.242	-	DLR 170	-	54234-U
54236-U	150	183	21	210	260	21.5	118	43.431	-	DLR 180	-	54236-U
54238-U	160	194	24	230	280	23.0	131	55.776	-	DLR 190	-	54238-U
54240-U	170	204	24	240	290	23.0	133	60.406	-	DLR 200	-	54240-U
54244-U	190	224	24	260	310	25.0	134	65.256	-	DLR 220	-	54244-U
54305-U	20	27	8	38	55	6.0	42	.950	54305 U	DMR 25	-	54305 U
54306-U	25	32	9	45	62	7.0	46	1.330	54306 U	DMR 30	54306 U	54306 U
54307-U	30	37	10	52	72	7.5	52	1.980	54307 U	DMR 35	54307 U	54307 U
54308-U	30	42	12	60	82	8.5	59	2.950	-	DMR 40	54308 U	54308 U
54309-U	35	47	12	65	90	10.0	62	3.570	54309 U	DMR 45	54309 U	54309 U
54310-U	40	52	14	72	100	11.0	70	5.180	54310 U	DMR 50	54310 U	54310 U
54311-U	45	57	15	80	110	11.5	78	7.080	54311 U	DMR 55	-	54311 U
54312-U	50	62	15	85	115	11.5	78	7.430	54312 U	DMR 60	54312 U	54312 U
54313-U	55	67	15	90	120	12.5	79	8.070	-	DMR 65	-	54313 U
54314-U	55	72	16	98	130	13.0	88	10.500	54314 U	DMR 70	-	54314 U
54315-U	60	77	18	105	140	15.0	95	13.400	54315 U	DMR 75	-	54315 U
54316-U	65	82	18	110	145	1.0	95	14.000	54316 U	DMR 80	54316 U	54316 U
54317-U	70	88	19	115	155	17.5	105	17.700	54317 U	DMR 85	54317 U	54317 U
54318-U	75	93	19	120	160	18.0	106	18.600	54318 U	DMR 90	-	54318 U
54320-U	85	103	21	135	175	18.0	115	23.800	54320 U	DMR 100	-	54320 U
54322-U	95	113	24	150	195	20.5	128	35.900	54322 U	DMR 110	-	54322 U
54324-U	100	123	27	165	220	22.0	143	42.100	-	DMR 120	-	54324 U
54405-U	15	27	11	42	62	8.0	55	1.770	54405 U	DPR 25	54405 U	54405 U
54407-U	25	37	14	58	85	10.0	69	3.950	54407 U	DPR 35	54407 U	54407 U
54409-U	35	47	17	72	105	12.5	86	7.540	54409 U	DPR 45	54409 U	54409 U
54410-U	40	52	18	80	115	14.0	92	9.680	54410 U	DPR 50	54410 U	54410 U
54411-U	45	57	20	88	125	15.5	101	12.400	54411 U	DPR 55	54411 U	54411 U
54414-U	55	73	24	110	155	19.5	125	25.600	54414 U	DPR 70	54414 U	54414 U
54416-U	65	83	27	125	175	22.0	140	55.000	-	-	54416 U	-
54420-U	80	103	33	155	220	27.0	176	70.600	54420 U	DPR 100	54420 U	54420 U

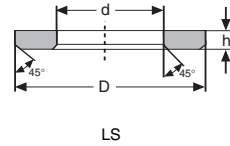
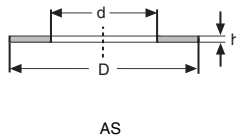
* These bearings are supplied as a complete unit.

Example: 54204-U equivalent to 54204 + two U-204 Spherical Seating Rings.
 54305-U equivalent to 54305 + two U-305 Spherical Seating Rings.
 54405-U equivalent to 54405 + two U-405 Spherical Seating Rings.



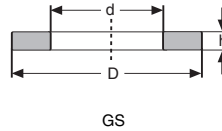
THRUST NEEDLE BEARINGS - CAGE ASSEMBLY

Consolidated No.	Dimensions (Metric)			Approx. Wgt. (lbs.)	Interchange						
	d	D	b		FAG	FAG (Old No.)	INA	NTN	SKF	SKF (Old No.)	Torrington
AXK-0414	4	14	2	.002	AXK 0414.TV	-	AXK 0414	-	-	-	-
AXK-0515	5	16	2	.004	AXK 0515.TV	-	AXK 0515	-	AXK 0515	-	-
AXK-0619	6	19	2	.006	AXK 0619.TV	-	AXK 0619	-	AXK 0619	-	FNT-619
AXK-0821	8	21	2	.008	AXK 0821.TV	-	AXK 0821	-	AXK 0821	-	FNT-821
AXK-1024	10	24	2	.010	AXK 1024	ANK 1024	AXK 1024	AAXK 1100	AXK 1024	XRK 102402	FNT-1024
AXK-1226	12	26	2	.010	AXK 1226	ANK 1226	AXK 1226	AAXK 1101	AXK 1226	XRK 122602	FNT-1226
AXK-1528	15	28	2	.010	AXK 1528	ANK 1528	AXK 1528	AAXK 1102	AXK 1528	XRK 152802	FNT-1528
AXK-1730	17	30	2	.010	AXK 1730	ANK 1730	AXK 1730	AAXK 1103	AXK 1730	XRK 173002	FNT-1730
AXK-2035	20	35	2	.010	AXK 2035	ANK 2035	AXK 2035	AAXK 1104	AXK 2035	XRK 203502	FNTA-2035
AXK-2542	25	42	2	.020	AXK 2542	ANK 2542	AXK 2542	AAXK 1105	AXK 2542	XRK 254202	FNT-2542
AXK-3047	30	47	2	.020	AXK 3047	ANK 3047	AXK 3047	AAXK 1106	AXK 3047	XRK 304702	FNTA-3047
AXK-3552	35	52	2	.020	AXK 3552	ANK 3552	AXK 3552	AAXK 1107	AXK 3552	XRK 355202	FNT-3552
AXK-4060	40	60	3	.040	AXK 4060	ANK 4060	AXK 4060	AAXK 1108	AXK 4060	XRK 406003	FNT-4060
AXK-4565	45	65	3	.040	AXK 4565	ANK 4565	AXK 4565	AAXK 1109	AXK 4565	XRK 456503	FNT-4565
AXK-5070	50	70	3	.050	AXK 5070	ANK 5070	AXK 5070	AAXK 1110	AXK 5070	XRK 507003	FNT-5070
AXK-5578	55	78	3	.060	AXK 5578	ANK 5578	AXK 5578	AAXK 1111	AXK 5578	XRK 557803	FNT-5578
AXK-6085	60	85	3	.080	AXK 6085	ANK 6085	AXK 6085	AAXK 1112	AXK 6085	XRK 608503	AXK-6085
AXK-6590	65	90	3	.080	AXK 6590	ANK 6590	AXK 6590	AAXK 1113	AXK 6590	XRK 659003	AXK-6590
AXK-7095	70	95	4	.130	AXK 7095	ANK 7095	AXK 7095	AAXK 1114	AXK 7095	XRK 709504	FNTA-7095
AXK-75100	75	100	4	.130	AXK 75100	ANK 75100	AXK 75100	AAXK 1115	AXK 75100	XRK 7510004	FNT-75100
AXK-80105	80	105	4	.140	AXK 80105	ANK 80105	AXK 80105	AAXK 1116	AXK 80105	XRK 8010504	FNTA-80105
AXK-85110	85	110	4	.140	AXK 85110	ANK 85110	AXK 85110	AAXK 1117	AXK 85110	XRK 8511004	AXK-85110
AXK-90120	90	120	4	.180	AXK 90120	ANK 90120	AXK 90120	AAXK 1118	AXK 90120	XRK 9012004	AXK-90120
AXK-100135	100	135	4	.240	AXK 100135	ANK 100135	AXK 100135	AAXK 1120	AXK 100135	XRK 10013504	AXK-100135
AXK-110145	110	145	4	.260	AXK 110145	ANK 110145	AXK 110145	AAXK 1122	AXK 110145	XRK 11014504	AXK-110145
AXK-120155	120	155	4	.280	AXK 120155	ANK 120155	AXK 120155	AAXK 1124	AXK 120155	XRK 12015504	AXK-120155
AXK-130170	130	170	5	.440	AXK 130170	ANK 130170	AXK 130170	AAXK 1126	AXK 130170	XRK 13017005	AXK-130170
AXK-140180	140	180	5	.470	AXK 140180	ANK 140180	AXK 140180	AAXK 1128	AXK 140180	XRK 14018005	AXK-140180
AXK-150190	150	190	5	.500	AXK 150190	ANK 150190	AXK 150190	AAXK 1130	AXK 150190	XRK 15019005	AXK-150190
AXK-160200	160	200	5	.530	AXK 160200	ANK 160200	AXK 160200	AAXK 1132	AXK 160200	XRK 16020005	AXK-160200



THRUST NEEDLE BEARINGS - WASHERS

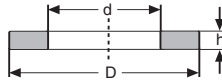
Consolidated No.	Dimensions (Metric)			Approx. Wgt. (lbs.)	Interchange						
	d	D	h		FAG	INA	NTN	SKF	SKF (Old No.)	Torrington	
AS 0414	4	14	1.00	.002	AS 0414	AS 0414	-	-	XWA 102401	-	
AS 0515	5	15	1.00	.004	AS 0515	AS 0515	-	-	XWA 102401	-	
AS 0619	6	19	1.00	.006	AS 0619	AS 0619	-	-	XWA 102401	AS 0619	
AS 0821	8	21	1.00	.008	AS 0821	AS 0821	-	-	XWA 102401	AS 0821	
AS 1024	10	24	1.00	.010	AS 1024	AS 1024	AAS 1100	AS 1024	XWA 102401	AS 1024	
AS 1226	12	26	1.00	.010	AS 1226	AS 1226	AAS 1101	AS 1226	XWA 122601	AS 1226	
AS 1528	15	28	1.00	.010	AS 1528	AS 1528	AAS 1102	AS 1528	XWA 152801	AS 1528	
AS 1730	17	30	1.00	.010	AS 1730	AS 1730	AAS 1103	AS 1730	XWA 173001	AS 1730	
AS 2035	20	35	1.00	.020	AS 2035	AS 2035	AAS 1104	AS 2035	XWA 203501	AS 2035	
AS 2542	25	42	1.00	.020	AS 2542	AS 2542	AAS 1105	AS 2542	XWA 254201	AS 2542	
AS 3047	30	47	1.00	.020	AS 3047	AS 3047	AAS 1106	AS 3047	XWA 304701	AS 3047	
AS 3552	35	52	1.00	.020	AS 3552	AS 3552	AAS 1107	AS 3552	XWA 355201	AS 3552	
AS 4060	40	60	1.00	.030	AS 4060	AS 4060	AAS 1108	AS 4060	XWA 406001	AS 4060	
AS 4565	45	65	1.00	.030	AS 4565	AS 4565	AAS 1108	AS 4565	XWA 456501	AS 4565	
AS 5070	50	70	1.00	.040	AS 5070	AS 5070	AAS 1110	AS 5070	XWA 507001	AS 5070	
AS 5578	55	78	1.00	.050	AS 5578	AS 5578	AAS 1111	AS 5578	XWA 557801	AS 5578	
AS 6085	60	85	1.00	.050	AS 6085	AS 6085	AAS 1112	AS 6085	XWA 608501	AS 6085	
AS 6590	65	90	1.00	.060	AS 6590	AS 6590	AAS 1113	AS 6590	XWA 659001	AS 6590	
AS 7095	70	95	1.00	.060	AS 7095	AS 7095	AAS 1114	AS 7095	XWA 709501	AS 7095	
AS 75100	75	100	1.00	.060	AS 75100	AS 75100	AAS 1115	AS 75100	XWA 7510001	AS 75100	
AS 80105	80	105	1.00	.070	AS 80105	AS 80105	AAS 1116	AS 80105	XWA 8010501	AS 80105	
AS 85110	85	110	1.00	.070	AS 85110	AS 85110	AAS 1117	AS 85110	XWA 8511001	AS 85110	
AS 90120	90	120	1.00	.090	AS 90120	AS 90120	AAS 1118	AS 90120	XWA 9012001	AS 90120	
AS 100135	100	135	1.00	.120	AS 100135	AS 100135	AAS 1120	AS 100135	XWA 10013501	AS 100135	
AS 110145	110	145	1.00	.130	AS 110145	AS 110145	AAS 1122	AS 110145	XWA 11014501	AS 110145	
AS 120155	120	155	1.00	.130	AS 120155	AS 120155	AAS 1124	AS 120155	XWA 12015501	AS 120155	
AS 130170	130	170	1.00	.170	AS 130170	AS 130170	AAS 1126	AS 130170	XWA 13017001	AS 130170	
AS 140180	140	180	1.00	.180	AS 140180	AS 140180	AAS 1128	AS 140180	XWA 14018001	AS 140180	
AS 150190	150	190	1.00	.190	AS 150190	AS 150190	AAS 1130	AS 150190	XWA 15019001	AS 150190	
AS 160200	160	200	1.00	.200	AS 160200	AS 160200	AAS 1132	AS 160200	XWA 16020001	AS 160200	
LS 0619	6	19	2.75	.009	-	LS 0619	LS 0619	-	-	-	
LS 0821	8	21	2.75	.009	-	LS 0821	LS 0821	-	-	LS 0821	
LS 1024	10	24	2.75	.020	LS 1024	LS 1024	LS 1024	AAS 1134	XWX 102402.75	LS 1024	
LS 1226	12	26	2.75	.020	LS 1226	LS 1226	LS 1226	AAS 1136	XWX 122602.75	LS 1226	
LS 1528	15	28	2.75	.030	LS 1528	LS 1528	LS 1528	AAS 1100	XWX 152802.75	LS 1528	
LS 1730	17	30	2.75	.030	LS 1730	LS 1730	LS 1730	AAS 1100	XWX 173002.75	LS 1730	
LS 2035	20	35	2.75	.030	LS 2035	LS 2035	LS 2035	AAS 1100	XWX 203502.75	LS 2035	
LS 2542	25	42	3.00	.050	LS 2542	LS 2542	LS 2542	AAS 1100	XWX 254203	LS 2542	
LS 3047	30	47	3.00	.050	LS 3047	LS 3047	LS 3047	AAS 1100	XWX 304703	LS 3047	
LS 3552	35	52	3.50	.070	LS 3552	LS 3552	LS 3552	AAS 1100	XWX 355203.5	LS 3552	
LS 4060	40	60	3.50	.090	LS 4060	LS 4060	LS 4060	AAS 1100	XWX 406003.5	LS 4060	
LS 4565	45	65	4.00	.120	LS 4565	LS 4565	LS 4565	AAS 1100	XWX 456504	LS 4565	
LS 5070	50	70	4.00	.130	LS 5070	LS 5070	LS 5070	AAS 1100	XWX 507004	LS 5070	
LS 5578	55	78	5.00	.200	LS 5578	LS 5578	LS 5578	AAS 1100	XWX 557805	LS 5578	
LS 6085	60	85	4.75	.230	LS 6085	LS 6085	LS 6085	AAS 1100	XWX 608504.75	LS 6085	
LS 6590	65	90	5.25	.270	LS 6590	LS 6590	LS 6590	AAS 1100	XWX 659005.25	LS 6590	
LS 7095	70	95	5.25	.290	LS 7095	LS 7095	LS 7095	AAS 1100	XWX 709505.25	LS 7095	
LS 75100	75	100	5.75	.330	LS 75100	LS 75100	LS 75100	AAS 1100	XWX 7510005.75	LS 75100	
LS 80105	80	105	5.75	.350	LS 80105	LS 80105	LS 80105	AAS 1100	XWX 8010505.75	LS 80105	
LS 85110	85	110	5.75	.370	LS 85110	LS 85110	LS 85110	AAS 1100	XWX 8511005.75	LS 85110	
LS 90120	90	120	6.50	.540	LS 90120	LS 90120	LS 90120	AAS 1100	XWX 9012006.5	LS 90120	
LS 100135	100	135	7.00	.760	LS 100135	LS 100135	LS 100135	AAS 1100	XWX 10013507	LS 100135	
LS 110145	110	145	7.00	.830	LS 110145	LS 110145	LS 110145	AAS 1100	XWX 11014507	LS 110145	
LS 120155	120	155	7.00	.900	LS 120155	LS 120155	LS 120155	AAS 1100	XWX 12015507	LS 120155	
LS 130170	130	170	9.00	1.440	LS 130170	LS 130170	LS 130170	AAS 1100	XWX 13017009	LS 130170	
LS 140180	140	180	9.50	1.570	LS 140180	LS 140180	LS 140180	AAS 1100	XWX 14018009.5	LS 140180	
LS 150190	150	190	9.50	1.670	LS 150190	LS 150190	LS 150190	AAS 1100	XWX 15019009.5	LS 150190	
LS 160200	160	200	9.50	1.770	LS 160200	LS 160200	LS 160200	AAS 1100	XWX 16020009.5	LS 160200	



THRUST ROLLER BEARINGS - WASHERS

Consolidated No.	Dimensions (Metric)			Approx. Wgt. (lbs.)	Interchange		
	d	D	h		FAG SKF	INA	Torrington
GS 81102	16	28	2.75	.030	GS 81102	GS 81102	GS 81102
GS 81103	18	30	2.75	.030	GS 81103	GS 81103	GS 81103
GS 81104	21	35	2.75	.030	GS 81104	GS 81104	GS 81104
GS 81105	26	42	3.00	.050	GS 81105	GS 81105	GS 81105
GS 81106	32	47	3.00	.050	GS 81106	GS 81106	GS 81106
GS 81107	37	52	3.50	.070	GS 81107	GS 81107	GS 81107
GS 81108	42	60	3.50	.090	GS 81108	GS 81108	GS 81108
GS 81109	47	65	4.00	.120	GS 81109	GS 81109	GS 81109
GS 81110	52	70	4.00	.130	GS 81110	GS 81110	GS 81110
GS 81111	57	78	5.00	.200	GS 81111	GS 81111	GS 81111
GS 81112	62	85	4.75	.230	GS 81112	GS 81112	GS 81112
GS 81113	67	90	5.25	.270	GS 81113	GS 81113	GS 81113
GS 81114	72	95	5.25	.290	GS 81114	GS 81114	GS 81114
GS 81115	77	100	5.75	.330	GS 81115	GS 81115	GS 81115
GS 81116	82	105	5.75	.350	GS 81116	GS 81116	GS 81116
GS 81117	87	110	5.75	.370	GS 81117	GS 81117	GS 81117
GS 81118	92	120	6.50	.540	GS 81118	GS 81118	GS 81118
GS 81120	102	135	7.00	.760	GS 81120	GS 81120	GS 81120
GS 81122	112	145	7.00	.830	GS 81122	GS 81122	GS 81122
GS 81124	122	155	7.00	.900	GS 81124	GS 81124	GS 81124
GS 81126	132	170	9.00	1.440	GS 81126	GS 81126	GS 81126
GS 81128	142	180	9.50	1.570	GS 81128	GS 81128	GS 81128
GS 81130	152	190	9.50	1.670	GS 81130	GS 81130	GS 81130
GS 81132	162	200	9.50	1.770	GS 81132	GS 81132	GS 81132
GS 81134	172	215	10.00	2.270	GS 81134	GS 81134	-
GS-81136	183	225	10.00	2.340	GS 81136	GS 81136	-
GS-81138	193	240	11.00	3.040	GS 81138	GS 81138	-
GS-81140	203	250	11.00	3.170	GS 81140	GS 81140	-
GS-81144	223	270	11.00	3.460	GS 81144	GS 81144	-
GS-81148	243	300	13.50	5.690	GS 81148	GS 81148	-
GS-81152	263	320	13.50	6.080	GS 81152	GS 81152	-
GS-81156	283	350	15.50	8.930	GS 81156	GS 81156	-
GS-81160	304	380	18.50	13.100	GS 81160	GS 81160	-
GS-81164	324	400	19.00	14.200	GS 81164	GS 81164	-
GS-81168	344	420	19.50	15.400	GS 81168	-	-
GS-81172	364	440	20.00	16.600	GS 81172	-	-
GS-81176	384	460	20.00	17.400	GS 81176	-	-
GS-81180	404	480	20.00	18.300	GS 81180	-	-
GS-81184	424	500	20.00	19.100	GS 81184	-	-
GS-81188	444	540	24.00	30.900	GS 81188	-	-
GS-81192	464	560	24.00	32.000	GS 81192	-	-
GS-81196	484	580	24.00	33.300	GS 81196	-	-
GS-811/500	505	600	24.00	34.200	GS 811/500	-	-
GS-811/530	535	640	25.50	42.800	GS 811/530	-	-
GS-811/560	565	670	25.50	45.000	GS 811/560	-	-
GS-811/600	605	710	25.50	47.800	GS 811/600	-	-

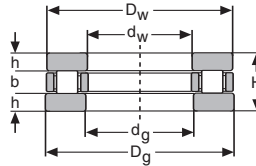
NOTE:
 1.) Not normally stocked. Consult factory for availability.
 2.) The "d" dimension of the GS washer and the "D" dimension of the WS washer may vary between manufacturers.



WS

THRUST ROLLER BEARINGS - WASHERS

Consolidated No.	Dimensions (Metric)			Approx. Wgt. (lbs.)	Interchange		
	d	D	h		FAG SKF	INA	Torrington
WS 81102	15	28	2.75	.030	WS 81102	WS 81102	WS 81102
WS 81103	17	30	2.75	.030	WS 81103	WS 81103	WS 81103
WS 81104	20	35	2.75	.030	WS 81104	WS 81104	WS 81104
WS 81105	25	42	3.00	.050	WS 81105	WS 81105	WS 81105
WS 81106	30	47	3.00	.050	WS 81106	WS 81106	WS 81106
WS 81107	35	52	3.50	.070	WS 81107	WS 81107	WS 81107
WS 81108	40	60	3.50	.090	WS 81108	WS 81108	WS 81108
WS 81109	45	65	4.00	.120	WS 81109	WS 81109	WS 81109
WS 81110	50	70	4.00	.130	WS 81110	WS 81110	WS 81110
WS 81111	55	78	5.00	.200	WS 81111	WS 81111	WS 81111
WS 81112	60	85	4.75	.230	WS 81112	WS 81112	WS 81112
WS 81113	65	90	5.25	.270	WS 81113	WS 81113	WS 81113
WS 81114	70	95	5.25	.290	WS 81114	WS 81114	WS 81114
WS 81115	75	100	5.75	.330	WS 81115	WS 81115	WS 81115
WS 81116	80	105	5.75	.350	WS 81116	WS 81116	WS 81116
WS 81117	85	110	5.75	.370	WS 81117	WS 81117	WS 81117
WS 81118	90	120	6.50	.540	WS 81118	WS 81118	WS 81118
WS 81120	100	135	7.00	.760	WS 81120	WS 81120	WS 81120
WS 81122	110	145	7.00	.830	WS 81122	WS 81122	WS 81122
WS 81124	120	155	7.00	.900	WS 81124	WS 81124	WS 81124
WS 81126	130	170	9.00	1.440	WS 81126	WS 81126	WS 81126
WS 81128	140	178	9.50	1.570	WS 81128	WS 81128	WS 81128
WS 81130	150	188	9.50	1.670	WS 81130	WS 81130	WS 81130
WS 81132	160	198	9.50	1.770	WS 81132	WS 81132	WS 81132
WS 81134	170	213	10.00	2.270	WS 81134	WS 81134	-
WS 81136	180	222	10.00	2.340	WS 81136	WS 81136	-
WS 81138	190	237	11.00	3.040	WS 81138	WS 81138	-
WS 81140	200	247	11.00	3.170	WS 81140	WS 81140	-
WS 81144	220	267	11.00	3.460	WS 81144	WS 81144	-
WS 81148	240	297	13.50	5.690	WS 81148	WS 81148	-
WS 81152	260	317	13.50	6.080	WS 81152	WS 81152	-
WS 81156	280	347	15.50	8.930	WS 81156	WS 81156	-
WS 81160	300	376	18.50	13.100	WS 81160	WS 81160	-
WS 81164	320	396	19.00	14.200	WS 81164	WS 81164	-
WS 81168	340	416	19.50	15.400	WS 81168	-	-
WS 81172	360	436	20.00	16.600	WS 81172	-	-
WS 81176	380	456	20.00	17.400	WS 81176	-	-
WS 81180	400	476	20.00	18.300	WS 81180	-	-
WS 81184	420	495	20.00	19.100	WS 81184	-	-
WS 81188	440	535	24.00	30.900	WS 81188	-	-
WS 81192	460	555	24.00	32.000	WS 81192	-	-
WS 81196	480	575	24.00	33.300	WS 81196	-	-
WS 811/500	500	595	24.00	34.200	WS 811/500	-	-
WS 811/530	530	635	25.50	42.800	WS 811/530	-	-
WS 811/560	560	665	25.50	45.000	WS 811/560	-	-
WS 811/600	600	705	25.50	47.800	WS 811/600	-	-



THRUST ROLLER BEARINGS - COMPLETE*

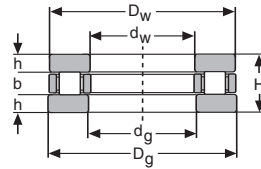
Consolidated No.	Dimensions (Metric)							Approx. Wgt. (lbs.)	Interchange		
	dg	dw	Dg	Dw	b	h	H		FAG SKF	INA	Torrington
81102	16	15	28	28	3.5	2.75	9	.060	81102	81102	81102
81103	18	17	30	30	3.5	2.75	9	.070	81103	81103	81103
81104	21	20	35	35	4.5	2.75	10	.090	81104	81104	81104
81105	26	25	42	42	5.0	3.00	11	.140	81105	81105	81105
81106	32	30	47	47	5.0	3.00	11	.150	81106	81106	81106
81107	37	35	52	52	5.0	3.50	12	.180	81107	81107	81107
81108	42	40	60	60	6.0	3.50	13	.260	81108	81108	81108
81109	47	45	65	65	6.0	4.00	14	.310	81109	81109	81109
81110	52	50	70	70	6.0	4.00	14	.340	81110	81110	81110
81111	57	55	78	78	6.0	5.00	16	.520	81111	81111	81111
81112	62	60	85	85	7.5	4.75	17	.620	81112	81112	81112
81113	67	65	90	90	7.5	5.25	18	.720	81113	81113	81113
81114	72	70	95	95	7.5	5.25	18	.760	81114	81114	81114
81115	77	75	100	100	7.5	5.75	19	.870	81115	81115	81115
81116	82	80	105	105	7.5	5.75	19	.910	81116	81116	81116
81117	87	85	110	110	7.5	5.75	19	.960	81117	81117	81117
81118	92	90	120	120	9.0	6.50	22	1.430	81118	81118	81118
81120	102	100	135	135	11.0	7.00	25	2.080	81120	81120	-
81122	112	110	145	145	11.0	7.00	25	2.250	81122	81122	-
81124	122	120	155	155	11.0	7.00	25	2.880	81124	81124	-
81126	132	130	170	170	12.0	9.00	30	4.360	81126	81126	-
81128	142	140	180	178	12.0	9.50	31	4.630	81128	81128	-
81130	152	150	190	188	12.0	9.50	31	4.930	81130	81130	-
81132	162	160	200	198	12.0	9.50	31	5.230	81132	81132	-
81134	172	170	215	213	14.0	10.00	34	6.890	81134	81134	-
81136	183	180	225	222	14.0	10.00	34	6.770	81136	81136	-
81138	193	190	240	237	15.0	11.00	37	8.790	81138	81138	-
81140	203	200	250	247	15.0	11.00	37	9.190	81140	81140	-
81144	223	220	270	267	15.0	11.00	37	10.000	81144	81144	-
81148	243	240	300	297	18.0	13.50	45	16.400	81148	81148	-
81152	263	260	320	317	18.0	13.50	45	17.600	81152	81152	-
81156	283	280	350	347	22.0	15.50	53	26.500	81156	81156	-
81160	304	300	380	376	25.0	18.50	62	37.900	81160	81160	-
81164	324	320	400	396	25.0	19.00	63	41.000	81164	81164	-
81168	344	340	420	416	25.0	19.50	64	43.900	81168	-	-
81172	364	360	440	436	25.0	20.00	65	47.200	81172	-	-
81176	384	380	460	456	25.0	20.00	65	49.400	81176	-	-
81180	404	400	480	476	25.0	20.00	65	51.800	81180	-	-
81184	424	420	500	495	25.0	20.00	65	53.600	81184	-	-
81188	444	440	540	535	32.0	24.00	80	88.600	81188	-	-
81192	464	460	560	555	32.0	24.00	80	92.400	81192	-	-
81196	484	480	580	575	32.0	24.00	80	95.900	81196	-	-
811/500	505	500	600	595	32.0	24.00	80	99.000	811/500	-	-
811/530	535	530	640	635	34.0	25.50	85	124.000	811/530	-	-
811/560	565	560	670	665	34.0	25.50	85	130.000	811/560	-	-
811/600	605	600	710	705	34.0	25.50	85	138.000	811/600	-	-

*This series consists of one each of the following:

- K-811 . . .(Cage Assembly)
- GS-811 . . .(Thrust Plate)
- WS-811 . . .(Thrust Plate)

NOTE:

1.) Dimensions "dg" and "DW" may vary between manufacturers.



THRUST ROLLER BEARINGS - COMPLETE*

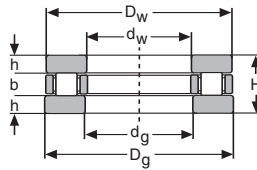
Consolidated No.	Dimensions (Metric)							Approx. Wgt. (lbs.)	Interchange			
	dg	dw	Dg	Dw	b	h	H		FAG	INA	SKF	Torrington
81200	12	10	26	26	5.0	3.00	11	.071	81200	-	-	-
81201	14	12	28	28	5.0	3.00	11	.077	81201	-	-	-
81202	17	15	32	32	5.0	3.50	12	.108	81202	-	-	-
81203	19	17	35	35	5.5	3.25	12	.108	81203	-	-	-
81204	22	20	40	40	6.5	3.75	14	.163	81204	-	-	-
81205	27	25	47	47	7.0	4.00	15	.229	81205	-	-	-
81206	32	30	52	52	7.5	4.25	16	.290	81206	81206	81206	81206
81207	37	35	62	62	7.5	5.25	18	.490	81207	81207	81207	81207
81208	42	40	68	68	9.0	5.00	19	.570	81208	81208	81208	81208
81209	47	45	73	73	9.0	5.50	20	.670	81209	81209	81209	81209
81210	52	50	78	78	9.0	6.50	22	.810	81210	81210	81210	81210
81211	57	55	90	90	11.0	7.00	25	1.290	81211	81211	81211	81211
81212	62	60	95	95	11.0	7.50	26	1.450	81212	81212	81212	81212
81213	67	65	100	100	11.0	8.00	27	1.620	81213	81213	81213	81213
81214	72	70	105	105	11.0	8.00	27	1.710	81214	81214	81214	81214
81215	77	75	110	110	11.0	8.00	27	1.810	81215	81215	81215	81215
81216	82	80	115	115	11.0	8.50	28	2.000	81216	81216	81216	81216
81217	88	85	125	125	12.0	9.50	31	2.720	81217	81217	81217	81217
81218	93	90	135	135	14.0	10.50	35	3.680	81218	81218	81218	81218
81220	103	100	150	150	15.0	11.50	38	6.070	81220	81220	81220	-
81222	113	110	160	160	15.0	11.50	38	6.550	81222	81222	81222	-
81224	123	120	170	170	15.0	12.00	39	7.210	81224	81224	81224	-
81226	133	130	190	187	19.0	13.00	45	10.540	81226	81226	81226	-
81228	143	140	200	197	19.0	13.50	46	11.490	81228	81228	81228	-
81230	153	150	215	212	21.0	14.50	50	14.580	81230	81230	81230	-
81232	163	160	225	222	21.0	15.00	51	15.700	81232	81232	81232	-
81234	173	170	240	237	22.0	16.50	55	19.470	81234	81234	81234	-
81236	183	180	250	247	22.0	17.00	56	20.860	81236	81236	81236	-
81238	194	190	270	267	26.0	18.00	62	28.180	81238	81238	81238	-
81240	204	200	280	277	26.0	18.00	62	29.420	81240	81240	81240	-
81244	224	220	300	297	26.0	18.50	63	32.420	81244	81244	81244	-
81248	244	240	340	335	32.0	23.00	78	50.900	81248	81248	81248	-
81252	264	260	360	355	32.0	23.50	79	55.300	81252	81252	81252	-
81256	284	280	380	375	32.0	24.00	80	59.700	81256	81256	81256	-
81260	304	300	420	415	38.0	28.50	95	93.700	81260	81260	81260	-
81264	325	320	440	435	38.0	28.50	95	98.300	81264	-	81264	-
81268	345	340	460	455	38.0	29.00	96	105.000	81268	-	81268	-
81272	365	360	500	495	45.0	32.50	110	151.000	81272	-	81272	-
81276	385	380	520	515	45.0	33.50	112	162.000	81276	-	-	-
81280	405	400	540	535	45.0	33.50	112	169.000	81280	-	-	-
81284	425	420	580	575	52.0	39.00	130	240.000	81284	-	-	-
81288	445	440	600	595	52.0	39.00	130	249.000	81288	-	-	-
81292	465	460	620	615	52.0	39.00	130	260.000	81292	-	-	-
81296	485	480	650	645	56.0	39.50	135	298.000	81296	-	-	-
812/500	505	500	670	665	56.0	39.50	135	309.000	812/500	-	-	-
812/530	535	530	710	705	60.0	40.00	140	359.000	812/530	-	-	-
812/560	565	560	750	745	60.0	45.00	150	432.000	812/560	-	-	-
812/600	605	600	800	795	64.0	48.00	160	520.000	812/600	-	-	-

* This series consists of one each of the following:

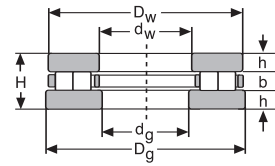
- K-812 . . . (Cage Assembly)
- GS-812 . . . (Thrust Plate)
- WS-812 . . . (Thrust Plate)

NOTE:

1.) Dimensions "dg" and "Dw" may vary between manufacturers.



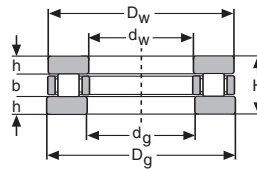
81300



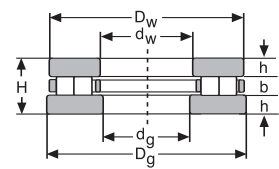
89300

THRUST ROLLER BEARINGS - COMPLETE*

Consolidated No.	Dimensions (Metric)							Approx. Wgt. (lbs.)	Interchange
	dw	dg	Dw	Dg	h	H	b	INA	
89306	32	30	60	60	6.25	18	5.5	.529	89306
89307	37	35	68	68	7.00	20	6	.750	89307
89308	42	40	78	78	7.50	22	7	1.067	89308
89309	47	45	85	85	7.50	24	8.25	1.356	89309
89310	52	50	95	95	9.50	27	8	1.956	89310
89311	57	55	105	105	10.50	30	9	2.602	89311
89312	62	60	110	110	10.50	30	9	2.778	89312
89313	67	65	115	115	10.50	27	9	2.933	89313
89314	72	70	125	125	12.00	34	10	4.013	89314
89315	77	75	135	135	12.50	36	11	4.917	89315
89316	82	80	140	140	12.50	36	11	5.226	89316
89317	88	85	150	150	13.50	39	12	6.615	89317
89318	93	90	155	155	13.50	39	12	7.232	89318
89320	103	100	170	170	14.50	42	13	8.952	89320
89322	113	110	190	190	16.50	48	15	13.296	89322
89324	123	120	210	210	18.50	54	17	18.787	89324
89326	134	130	225	225	20.00	58	18	22.050	89326
89328	144	140	240	240	20.50	60	19	26.438	89328
89330	154	150	250	250	20.50	60	19	27.849	89330
89332	164	160	270	270	23.00	67	21	36.625	89332
89334	174	170	280	280	23.00	67	21	38.279	89334
89336	184	180	300	300	24.50	73	24	48.753	89336
89338	195	190	320	320	26.00	78	26	59.248	89338
89340	205	200	340	340	28.50	85	28	70.406	89340
81305	25	27	52	52	5.00	18	8	.425	81305
81306	30	32	60	60	6.00	21	9	.648	81306
81307	35	37	68	68	7.00	24	10	.941	81307
81308	40	42	78	78	7.00	26	12	1.332	81308
81309	45	47	85	85	7.50	28	13	1.664	81309
81310	50	52	95	95	8.50	31	14	2.315	81310
81311	55	57	105	105	10.00	35	15	3.241	81311
81312	60	62	110	110	9.00	35	17	3.395	81312
81313	65	67	115	115	9.00	36	18	3.682	81313
81314	70	72	125	125	10.50	40	19	4.916	81314
81315	75	77	135	135	12.00	44	20	6.393	81315
81316	80	82	140	140	12.00	44	20	6.724	81316
81317	85	88	150	150	14.00	49	21	8.664	81317
81318	90	93	155	155	14.50	50	21	9.259	81318
81320	100	103	170	170	16.50	55	22	12.191	81320
81322	110	113	187	190	20.00	63	23	17.438	81322
81324	120	123	205	210	22.00	70	26	23.589	81324
81326	130	134	220	225	22.50	75	30	28.439	81326
81328	140	144	235	240	24.00	80	32	34.171	81328
81330	150	154	245	250	24.00	80	32	36.155	81330
81332	160	164	265	270	25.50	87	36	46.297	81332
81334	170	174	275	280	25.50	87	36	48.500	81334
81336	180	184	295	300	27.50	95	40	61.949	81336
81338	190	195	315	320	31.50	105	42	79.366	81338
81340	200	205	335	340	31.00	110	48	94.136	81340
81344	220	225	355	360	32.00	112	48	103.175	81344
81348	240	245	375	380	32.00	112	48	110.450	81348
81352	260	265	415	420	38.00	130	54	162.259	81352
81356	280	285	435	440	38.00	130	54	171.959	81356
81360	300	305	475	480	40.00	140	60	224.869	81360
81364	320	325	495	500	40.00	140	60	235.892	81364
81368	340	345	535	540	46.00	160	68	324.076	81368
81372	360	365	555	560	46.00	160	68	339.508	81372
81376	380	385	595	600	51.50	175	72	438.715	81376
81380	400	405	615	620	51.50	175	72	456.352	81380
81384	420	425	645	650	52.50	180	75	513.672	81384
81388	440	445	675	680	55.00	190	80	593.037	81388
81392	460	465	705	710	55.00	195	85	659.175	81392
81396	480	485	725	730	55.00	195	85	683.426	81396
813/500	500	505	745	750	55.00	195	85	705.472	813/500
813/530	530	535	795	800	58.50	212	95	879.635	813/530
813/560	560	565	845	850	62.00	224	100	1060.413	813/560
813/600	600	605	895	900	65.50	236	105	1232.371	813/600



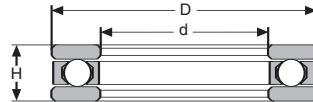
87400



89400

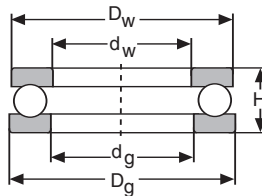
THRUST ROLLER BEARINGS - COMPLETE*

Consolidated No.	Dimensions (Metric)							Approx. Wgt. (lbs.)	Interchange INA
	dw	dg	Dw	Dg	h	H	b		
87408	40	-	90	90	-	23	-	1.647	87408
87409	45	47	100	100	9.0	25	7	2.293	87409
87410	50	52	110	110	9.5	27	8	3.175	87410
87411	55	57	120	120	10.5	29	8	4.056	87411
87412	60	62	130	130	11.5	32	9	5.247	87412
87413	65	68	140	140	10.0	12	10	5.908	87413
87414	70	73	150	150	12.5	36	11	7.165	87414
87415	75	78	160	160	13.0	38	12	9.259	87415
87416	80	83	170	170	14.5	41	12	11.332	87416
87417	85	88	180	180	14.5	42	13	12.919	87417
87418	90	93	190	190	16.0	45	13	15.498	87418
87420	100	103	210	210	17.5	50	15	20.944	87420
87422	110	113	230	230	18.5	54	17	27.127	87422
87424	120	123	250	250	20.0	58	18	34.392	87424
87426	130	134	270	270	22.0	63	19	43.431	87426
87428	140	144	280	280	22.0	63	19	45.635	87428
87430	150	154	300	300	23.0	67	21	55.335	87430
87432	160	164	320	320	25.5	73	22	69.004	87432
87434	170	174	340	340	27.0	78	24	83.113	87434
87436	180	184	360	360	28.5	82	25	98.325	87436
87438	190	195	380	380	29.5	85	26	113.096	87438
87440	200	205	400	400	31.0	90	28	132.937	87440
89412	60	62	130	130	14.0	42	14	6.213	89412
89413	65	68	140	140	15.0	45	15	7.760	89413
89414	70	73	150	150	16.0	48	16	9.215	89414
89415	75	78	160	160	17.0	51	17	13.139	89415
89416	80	83	170	170	18.0	54	18	15.520	89416
89417	85	88	180	180	19.5	58	19	19.070	89417
89418	90	93	190	190	20.0	60	20	21.914	89418
89420	100	103	210	210	22.5	67	22	29.542	89420
89422	110	113	230	230	24.5	73	24	38.360	89422
89424	120	123	250	250	26.0	78	26	48.281	89424
89426	130	134	270	270	28.5	85	28	59.745	89426
89428	140	144	280	280	30.0	90	28	65.697	89428
89430	150	154	300	300	30.0	90	30	78.043	89430
89432	160	164	320	320	31.5	95	32	92.593	89432
89434	170	174	340	340	34.5	103	34	114.419	89434
89436	180	184	360	360	36.5	109	36	132.276	89436
89438	190	195	380	380	38.5	115	38	158.952	89438
89440	200	205	400	400	41.0	122	40	183.000	89440
89444	220	225	420	420	41.0	122	40	198.634	89444
89448	240	245	440	440	41.0	122	40	211.421	89448
89452	260	265	480	480	43.5	132	45	275.575	89452
89456	280	285	520	520	48.5	145	48	350.310	89456
89460	300	305	540	540	47.5	145	50	374.782	89460
89464	320	325	575	580	43.5	155	68	447.533	89464



THRUST BALL BEARINGS - INCH DIMENSIONS - FLAT RACEWAYS

Consolidated No.	Dimensions (Inch)			Approx. Wgt. (lbs.)	FAG FBC NH	Interchange		
	d	D	H			NICE	RHP	SKF
EW- 1/4	.2500	.6562	.2500	.014	EW- 1/4	FR-10	FT- 1/4	B-2
EW- 5/16	.3125	.7500	.2500	.018	EW- 5/16	FR-14	FT- 5/16	B-2 1/2
EW- 3/8	.3750	.8125	.2500	.020	EW- 3/8	FR-18	FT- 3/8	B-3
EW- 1/2	.5000	.9687	.2500	.026	EW- 1/2	FR-25	FT- 1/2	B-4
EW- 5/8	.6250	1.0937	.2812	.031	EW- 5/8	FR-27	FT- 5/8	B-5
EW- 3/4	.7500	1.3125	.2812	.046	EW- 3/4	FR-29	FT- 3/4	B-6
EW- 7/8	.8750	1.5000	.3750	.081	EW- 7/8	FR-31	FT- 7/8	B-7
EW-1	1.0000	1.6250	.3750	.093	EW-1	FR-33	FT-1	B-8
EW-1 1/8	1.1250	1.7500	.3750	.093	EW-1 1/8	FR-35	FT-1 1/8	-
EW-1 1/4	1.2500	2.0625	.5000	.218	EW-1 1/4	FR-37	FT-1 1/4	-
EW-1 3/8	1.3750	2.1875	.5000	.212	EW-1 3/8	FR-39	FT-1 3/8	-
EW-1 1/2	1.5000	2.3125	.5000	.234	EW-1 1/2	FR-41	FT-1 1/2	-
EW-1 5/8	1.6250	2.4375	.5000	.325	EW-1 5/8	-	FT-1 5/8	-
EW-1 3/4	1.7500	2.6250	.6250	.375	EW-1 3/4	-	FT-1 3/4	-
EW-1 7/8	1.8750	2.7500	.6250	.402	EW-1 7/8	-	FT-1 7/8	-
EW-2	2.0000	2.8750	.6250	.421	EW-2	-	FT-2	-
EW-2 1/4	2.2500	3.1250	.6250	.750	EW-2 1/4	-	FT-2 1/4	-

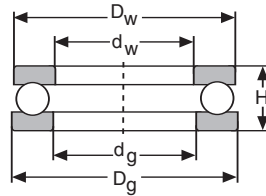


THRUST BALL BEARINGS - INCH DIMENSIONS

Consolidated No.	Dimensions (Inch)					Approx. Wgt. (lbs.)	Interchange	
	dw	dg	Dw	Dg	H		INA NH	RHP
XW-2	2.0000	2.0312	3.0312	3.0625	.6875	.690	XW-2	XLT-2
XW-2 1/8	2.1250	2.1562	3.1562	3.1875	.6875	.720	XW-2 1/8	XLT-2 1/8
XW-2 1/4	2.2500	2.2812	3.2812	3.3125	.6875	.750	XW-2 1/4	XLT-2 1/4
XW-2 3/8	2.3750	2.4062	3.4062	3.4375	.6875	.790	XW-2 3/8	XLT-2 3/8
XW-2 1/2	2.5000	2.5312	3.5312	3.5625	.6875	.820	XW-2 1/2	XLT-2 1/2
XW-2 5/8	2.6250	2.6562	3.7187	3.7500	.7500	1.000	XW-2 5/8	XLT-2 5/8
XW-2 3/4	2.7500	2.7812	3.8437	3.8750	.7500	1.130	XW-2 3/4	XLT-2 3/4
XW-2 7/8	2.8750	2.9062	3.9687	4.0000	.7500	1.130	XW-2 7/8	XLT-2 7/8
XW-3	3.0000	3.0625	4.0625	4.1250	.7500	1.130	XW-3	XLT-3
XW-3 1/8	3.1250	3.1875	4.1875	4.2500	.7500	1.130	XW-3 1/8	-
XW-3 1/4	3.2500	3.3125	4.3125	4.3750	.7500	1.190	XW-3 1/4	XLT-3 1/4
XW-3 3/8	3.3750	3.4375	4.4375	4.5000	.7500	1.250	XW-3 3/8	-
XW-3 1/2	3.5000	3.5625	4.5625	4.6250	.7500	1.250	XW-3 1/2	XLT-3 1/2
XW-3 5/8	3.6250	3.6875	4.6875	4.7500	.7500	1.310	XW-3 5/8	-
XW-3 3/4	3.7500	3.8125	4.8125	4.8750	.7500	1.310	XW-3 3/4	XLT-3 3/4
XW-3 7/8	3.8750	3.9375	4.9375	5.0000	.7500	1.440	XW-3 7/8	-
XW-4	4.0000	4.0625	5.1875	5.2500	.8750	1.910	XW-4	XLT-4 E
XW-4 1/4	4.2500	4.3125	5.4375	5.5000	.8750	2.480	XW-4 1/4	-
XW-4 1/2	4.5000	4.5625	5.6875	5.7500	1.0000	2.440	XW-4 1/2	XLT-4 1/2 E
XW-4 3/4	4.7500	4.8125	5.9375	6.0000	1.0000	2.500	XW-4 3/4	-
XW-5	5.0000	5.0625	6.4375	6.5000	1.1250	3.690	XW-5	XLT-5 E
XW-5 1/4	5.2500	5.3125	6.6875	6.7500	1.1250	3.630	XW-5 1/4	-
XW-5 1/2	5.5000	5.5625	6.9375	7.0000	1.1250	3.750	XW-5 1/2	XLT-5 1/2 E
XW-5 3/4	5.7500	5.8125	7.1875	7.2500	1.1250	4.000	XW-5 3/4	-
XW-6	6.0000	6.0625	7.5625	7.6250	1.2500	4.880	XW-6	XLT-6 E
XW-6 1/2	6.5000	6.6250	8.0000	8.1250	1.2500	5.470	XW-6 1/2	XLT-6 1/2 E
XW-7	7.0000	7.1250	8.6250	8.7500	1.3750	6.750	XW-7	XLT-7 E
XW-7 1/2	7.5000	7.6250	9.1250	9.2500	1.3750	7.130	XW-7 1/2	XLT-7 1/2 E
XW-8	8.0000	8.1250	9.8750	10.0000	1.5000	9.380	XW-8	XLT-8 E
XW-8 1/2	8.5000	8.6250	10.3750	10.5000	1.5000	10.400	XW-8 1/2	XLT-8 1/2 E
XW-9	9.0000	9.1250	11.1250	11.2500	1.8750	15.300	XW-9	XLT-9 E
XW-9 1/2	9.5000	9.6250	11.6250	11.7500	1.8750	16.000	XW-9 1/2	XLT-9 1/2 E
XW-10	10.0000	10.1250	12.3750	12.5000	2.1250	21.900	XW-10	XLT-10 E
XW-10 1/2	10.5000	10.6250	12.8750	13.0000	2.1250	22.000	XW-10 1/2	XLT-10 1/2 E
XW-11	11.0000	11.1250	13.6250	13.7500	2.3750	29.500	XW-11	XLT-11 E
XW-11 1/2	11.5000	11.6250	14.1250	14.2500	2.3750	30.800	XW-11 1/2	XLT-11 1/2 E
XW-12	12.0000	12.1250	14.8750	15.0000	2.5000	35.000	XW-12	XLT-12 E
XW-12 1/2	12.5000	12.6250	15.3750	15.5000	2.6250	41.000	XW-12 1/2	XLT-12 1/2 E
XW-13	13.0000	13.1250	16.1250	16.2500	2.7500	48.300	XW-13	XLT-13 E
XW-13 1/2	13.5000	13.6250	16.6250	16.7500	2.8750	49.500	XW-13 1/2	-
XW-14	14.0000	14.1250	17.3750	17.5000	3.0000	58.000	XW-14	XLT-14 E
XW-14 1/2	14.5000	14.6250	17.8750	18.0000	3.1250	62.500	XW-14 1/2	XLT-14 1/2 E
XW-15	15.0000	15.2500	18.5000	18.7500	3.2500	73.000	XW-15	XLT-15 E
XW-15 1/2	15.5000	15.7500	19.0000	19.2500	3.3750	79.000	XW-15 1/2	XLT-15 1/2 E
XW-16	16.0000	16.2500	19.7500	20.0000	3.5000	86.500	XW-16	XLT-16 E
XW-16 1/2	16.5000	16.7500	20.2500	20.5000	3.6250	98.000	XW-16 1/2	XLT-16 1/2 E
XW-17	17.0000	17.2500	21.0000	21.2500	3.7500	110.000	XW-17	XLT-17 E
XW-17 1/2	17.5000	17.7500	21.5000	21.7500	3.8750	119.000	XW-17 1/2	XLT-17 1/2 E
XW-18	18.0000	18.2500	22.2500	22.5000	4.0000	130.000	XW-18	XLT-18 E

NOTE:

1.) "Dw" & "dg" dimensions may vary between manufacturers.

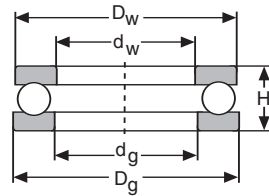


THRUST BALL BEARINGS - INCH DIMENSIONS

Consolidated No.	Dimensions (Inch)					Approx. Wgt. (lbs.)	FAG FBC INA	Interchange				
	dw	dg	Dw	Dg	H			FAF	MRC	RHP	SKF	
W- 1/4	.2500	.2812	.7812	.8125	.3750	.040	W- 1/4	-	-	LT- 1/4 B	0-2	
W- 5/16	.3125	.3437	.9687	1.0000	.5312	.100	W- 5/16	-	-	LT- 5/16 B	0-2 1/2	
W- 3/8	.3750	.4062	.9687	1.0000	.5312	.100	W- 3/8	4303	-	LT- 3/8 B	0-3	
W- 7/16	.4375	.4687	1.2500	1.2812	.6250	.180	W- 7/16	4303A	-	LT- 7/16 B	0-3 1/2	
W- 1/2	.5000	.5312	1.2500	1.2812	.6250	.170	W- 1/2	4304	1-B	LT- 1/2 B	0-4	
W- 9/16	.5625	.5937	1.3750	1.4062	.6250	.190	W- 9/16	4304A	-	LT- 9/16 B	0-4 1/2	
W- 5/8	.6250	.6562	1.3750	1.4062	.6250	.190	W- 5/8	4305	2-B	LT- 5/8 B	0-5	
W- 3/4	.7500	.7812	1.5000	1.5312	.6250	.220	W- 3/4	4306	3-B	LT- 3/4 B	0-6	
W- 7/8	.8750	.9062	1.6250	1.6562	.6250	.240	W- 7/8	4307	4-B	LT- 7/8 B	0-7	
W-1	1.0000	1.0312	1.7500	1.7812	.6250	.250	W-1	4308	5-B	LT-1B	0-8	
W-1 1/8	1.1250	1.1562	1.8750	1.9062	.6250	.270	W-1 1/8	4309	6-B	LT-1 1/8 B	0-9	
W-1 1/4	1.2500	1.2812	2.0625	2.0937	.7187	.380	W-1 1/4	4310	7-B	LT-1 1/4 B	0-10	
W-1 3/8	1.3750	1.4062	2.1875	2.2187	.7187	.400	W-1 3/8	4311	8-B	LT-1 3/8 B	0-11	
W-1 1/2	1.5000	1.5312	2.3125	2.3437	.7187	.430	W-1 1/2	4312	9-B	LT-1 1/2 B	0-12	
W-1 5/8	1.6250	1.6562	2.4375	2.4687	.7187	.460	W-1 5/8	4313	10-B	LT-1 5/8 B	0-13	
W-1 3/4	1.7500	1.7812	2.6562	2.6875	.7500	.610	W-1 3/4	4314	11-B	LT-1 3/4 B	0-14	
W-1 7/8	1.8750	1.9062	2.7812	2.8125	.7500	.650	W-1 7/8	4315	12-B	LT-1 7/8 B	0-15	
W-2	2.0000	2.0312	2.9375	2.9687	.7500	.660	W-2	4316	13-B-4	LT-2	0-16	
W-2 1/8	2.1250	2.1562	3.1875	3.2187	.8750	.900	W-2 1/8	4317	-	LT-2 1/8	0-17	
W-2 1/4	2.2500	2.2812	3.3125	3.3437	.8750	1.000	W-2 1/4	4318	14-B-4	LT-2 1/4	0-18	
W-2 3/8	2.3750	2.4062	3.5625	3.5937	1.0000	1.280	W-2 3/8	4319	-	LT-2 3/8	0-19	
W-2 1/2	2.5000	2.5312	3.6875	3.7187	1.0000	1.410	W-2 1/2	4320	15-B-4	LT-2 1/2	0-20	
W-2 5/8	2.6250	2.6562	3.8125	3.8437	1.0000	1.410	W-2 5/8	4321	-	LT-2 5/8	0-21	
W-2 3/4	2.7500	2.7812	4.0000	4.0312	1.0000	1.500	W-2 3/4	4322	16-B-4	LT-2 3/4	0-22	
W-2 7/8	2.8750	2.9062	4.1250	4.1562	1.0000	1.560	W-2 7/8	-	-	LT-2 7/8	0-23	
W-3	3.0000	3.0625	4.3125	4.3750	1.1250	2.090	W-3	4324	17-B-4	LT-3	0-24	
W-3 1/8	3.1250	3.1875	4.4375	4.5000	1.1250	2.100	W-3 1/8	-	-	LT-3 1/8	-	
W-3 1/4	3.2500	3.3125	4.7500	4.8125	1.2500	2.840	W-3 1/4	4326	-	LT-3 1/4	0-26	
W-3 3/8	3.3750	3.4375	4.8750	4.9375	1.2500	2.720	W-3 3/8	-	-	LT-3 3/8	-	
W-3 1/2	3.5000	3.5625	5.0000	5.0625	1.2500	3.060	W-3 1/2	4328	18-B-4	LT-3 1/2	0-28	
W-3 5/8	3.6250	3.6875	5.1250	5.1875	1.2500	2.890	W-3 5/8	-	-	LT-3 5/8	-	
W-3 3/4	3.7500	3.8125	5.2500	5.3125	1.2500	3.000	W-3 3/4	4330	-	LT-3 3/4	0-30	
W-3 7/8	3.8750	3.9375	5.6250	5.6875	1.3750	3.880	W-3 7/8	-	-	LT-3 7/8	-	
W-4	4.0000	4.0625	5.7500	5.8125	1.3750	4.410	W-4	4332	19-B-4	LT-4 E	0-32	
W-4 1/4	4.2500	4.3125	6.2500	6.3125	1.7500	6.380	W-4 1/4	-	-	LT-4 1/4	0-34	
W-4 1/2	4.5000	4.5625	6.5000	6.5625	1.7500	6.910	W-4 1/2	-	-	LT-4 1/2 E	0-36	
W-4 3/4	4.7500	4.8125	7.0000	7.0625	2.0000	9.530	W-4 3/4	-	-	LT-4 3/4	-	
W-5	5.0000	5.0625	7.2500	7.3125	2.0000	9.860	W-5	-	-	LT-5 E	0-40	
W-5 1/2	5.5000	5.5625	8.0000	8.0625	2.1875	13.200	W-5 1/2	-	-	LT-5 1/2 E	0-44	
W-6	6.0000	6.0625	8.6250	8.6875	2.1875	16.400	W-6	-	-	LT-6 E	0-48	
W-6 1/2	6.5000	6.6250	9.2812	9.4062	2.5000	20.500	W-6 1/2	-	-	LT-6 1/2 E	-	
W-7	7.0000	7.1250	10.0000	10.1250	2.6250	23.500	W-7	-	-	LT-7 E	-	
W-7 1/2	7.5000	7.6250	10.7500	10.8750	2.7500	29.500	W-7 1/2	-	-	LT-7 1/2 E	-	
W-8	8.0000	8.1250	11.5000	11.6250	3.0000	36.000	W-8	-	-	LT-8 E	-	
W-9	9.0000	9.1250	13.0000	13.1250	3.5000	57.000	W-9	-	-	LT-9 E	-	
W-10	10.0000	10.1250	14.5000	14.6250	4.0000	80.000	W-10	-	-	LT-10 E	-	
W-11	11.0000	11.1250	15.7500	15.8750	4.2500	97.000	W-11	-	-	LT-11 E	-	
W-12	12.0000	12.1250	17.2500	17.3750	4.5000	122.000	W-12	-	-	LT-12 E	-	

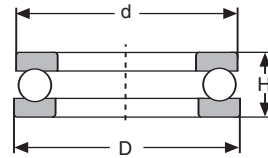
NOTE:

1.) "Dw" & "dg" dimensions may vary between manufacturers.



THRUST BALL BEARINGS - INCH DIMENSIONS

Consolidated No.	Dimensions (Inch)					Approx. Wgt. (lbs.)	Interchange			
	dw	dg	Dw	Dg	H		INA NH	RHP	SKF	
MW-1 3/4	.7500	.8125	1.5000	1.5625	.7187	.240	MW-3/4	MT-3/4	T-6	
MW-1 7/8	.8750	.9375	1.7500	1.8125	.7500	.350	MW-7/8	MT-7/8	T-7	
MW-1	1.0000	1.1250	1.8750	2.0000	.7500	.380	MW-1	MT-1	T-8	
MW-1 1/8	1.1250	1.2500	2.1250	2.2500	.8750	.550	MW-1 1/8	MT-1 1/8	T-9	
MW-1 1/4	1.2500	1.3750	2.3750	2.5000	1.0000	.790	MW-1 1/4	MT-1 1/4	T-10	
MW-1 3/8	1.3750	1.5000	2.5000	2.6250	1.0000	1.000	MW-1 3/8	-	-	
MW-1 1/2	1.5000	1.6250	2.7500	2.8750	1.1250	1.170	MW-1 1/2	MT-1 1/2	T-12	
MW-1 5/8	1.6250	1.7500	2.8750	3.0000	1.1250	1.130	MW-1 5/8	-	-	
MW-1 3/4	1.7500	1.8750	3.1875	3.3125	1.2500	1.630	MW-1 3/4	MT-1 3/4	T-14	
MW-1 7/8	1.8750	2.0000	3.3125	3.4375	1.2500	1.700	MW-1 7/8	-	-	
MW-2	2.0000	2.1250	3.5625	3.6875	1.3750	2.340	MW-2	MT-2	T-16	
MW-2 1/4	2.2500	2.3750	4.1250	4.2500	1.6875	4.090	MW-2 1/4	MT-2 1/4	T-18	
MW-2 1/2	2.5000	2.6250	4.6250	4.7500	2.0000	6.130	MW-2 1/2	MT-2 1/2	T-20	
MW-2 3/4	2.7500	2.8750	4.8750	5.0000	2.0000	6.360	MW-2 3/4	MT-2 3/4	T-22	
MW-3	3.0000	3.1250	5.5000	5.6250	2.2500	9.380	MW-3	MT-3	T-24	
MW-3 1/2	3.5000	3.6250	6.3125	6.0625	2.5000	12.100	MW-3 1/2	MT-3 1/2	T-28	
MW-4	4.0000	4.1250	7.1250	7.2500	2.8125	17.500	MW-4	MT-4E	T-32	
MW-4 1/2	4.5000	4.6250	8.2500	8.3750	3.3750	29.500	MW-4 1/2	MT-4 1/2 E	T-36	
MW-5	5.0000	5.1250	9.3750	9.5000	4.0000	45.100	MW-5	MT-5E	T-40	
MW-5 1/2	5.5000	5.6250	10.2500	10.3750	4.2500	57.000	MW-5 1/2	MT-5 1/2 E	T-44	
MW-6	6.0000	6.1250	11.0000	11.1250	4.5000	69.000	MW-6	MT-6E	T-48	
MW-7	7.0000	7.1250	12.6250	12.7500	5.0000	101.000	MW-7	MT-7E	T-56	
MW-8	8.0000	8.1250	14.2500	14.3750	5.6250	142.000	-	MT-8E	-	
MW-9	9.0000	9.1250	16.5000	16.6250	6.7500	234.000	-	MT-9E	-	
HW-1 1/4	.2500	.3125	.8750	.9375	.5312	.070	HW-1/4	HW-1/4	HT-1/4	VH-2
HW-1 1/6	.3125	.3750	1.0625	1.1250	.6250	.130	HW-1/6	HW-1/6	-	VH-2 1/2
HW-1 3/8	.3750	.4375	1.0625	1.1250	.6250	.130	HW-3/8	HW-3/8	HT-3/8	VH-3
HW-1 1/2	.4375	.5000	1.2500	1.3125	.7187	.200	HW-1/2	HW-1/2	HT-7/16	VH-3 1/2
HW-1 1/2	.5000	.5625	1.2500	1.3125	.7187	.190	HW-1/2	HW-1/2	HT-1/2	VH-4
HW-3/16	.5625	.6250	1.5000	1.5625	.7500	.250	HW-9/16	HW-9/16	-	VH-4 1/2
HW-5/8	.6250	.6875	1.5000	1.5625	.7500	.250	HW-5/8	HW-5/8	HT-5/8	VH-5
HW-3/4	.7500	.8125	1.7500	1.8125	.8750	.440	HW-3/4	HW-3/4	HT-3/4	VH-6
HW-7/8	.8750	.9375	2.0000	2.0625	1.0000	.600	HW-7/8	HW-7/8	HT-7/8	VH-7
HW-1	1.0000	1.1250	2.3125	2.4375	1.1250	.970	HW-1	HW-1	HT-1	VH-8
HW-1 1/8	1.1250	1.2500	2.5625	2.6875	1.3125	1.310	HW-1 1/8	HW-1 1/8	HT-1 1/8	VH-9
HW-1 1/4	1.2500	1.3750	2.8750	3.0000	1.5000	1.880	HW-1 1/4	HW-1 1/4	HT-1 1/4	VH-10
HW-1 3/8	1.3750	1.5000	3.0000	3.1250	1.5000	2.000	HW-1 3/8	HW-1 3/8	-	-
HW-1 1/2	1.5000	1.6250	3.6250	3.5000	1.7500	3.250	HW-1 1/2	HW-1 1/2	HT-1 1/2	VH-12
HW-1 5/8	1.6250	1.7500	3.5000	3.6250	1.7500	3.300	HW-1 5/8	HW-1 5/8	-	-
HW-1 3/4	1.7500	1.8750	3.8750	4.0000	2.0000	4.810	HW-1 3/4	HW-1 3/4	HT-1 3/4	VH-14
HW-1 7/8	1.8750	2.0000	4.0000	4.6250	2.2500	4.820	HW-1 7/8	HW-1 7/8	-	-
HW-2	2.0000	2.1250	4.5000	5.2500	2.5000	7.250	HW-2	HW-2	HT-2	VH-16
HW-2 1/4	2.2500	2.3750	5.1250	5.7500	2.7500	9.560	HW-2 1/4	HW-2 1/4	HT-2 1/4	VH-18
HW-2 1/2	2.5000	2.6250	5.6250	6.0000	2.7500	12.600	HW-2 1/2	HW-2 1/2	HT-2 1/2	VH-20
HW-2 3/4	2.7500	2.8750	5.8750	6.8750	3.3750	13.400	HW-2 3/4	HW-2 3/4	HT-2 3/4	VH-22
HW-3	3.0000	3.1250	6.7500	6.8750	3.3750	22.400	HW-3	HW-3	HT-3	VH-24
HW-3 1/4	3.2500	-	-	7.1250	3.3750	23.600	HW-3 1/4	-	-	-
HW-3 1/2	3.5000	-	-	7.8750	4.0000	35.400	HW-3 1/2	-	-	-
HW-3 3/4	3.7500	-	-	8.1250	4.0000	36.700	HW-3 3/4	-	-	-
HW-4	4.0000	-	-	9.1250	4.5000	54.500	HW-4	-	-	-
HW-4 1/2	4.5000	-	-	10.3125	5.0000	75.400	HW-4 1/2	-	-	-
HW-5	5.0000	-	-	11.4375	5.6250	104.700	HW-5	-	-	-
HW-5 1/2	5.5000	-	-	11.9375	5.6250	109.900	HW-5 1/2	-	-	-
HW-6	6.0000	-	-	13.7500	6.7500	181.600	HW-6	-	-	-



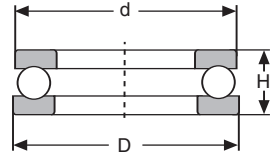
THRUST BALL BEARINGS - INCH DIMENSIONS

Consolidated No.	Dimensions (Inch)			Approx. Wgt. (lbs.)	Interchange		
	d	D	H		Aetna	Andrews INA	Torrington
4401	.5000	1.4375	.6250	.190	G-1	4401	-
4402	.5625	1.4375	.6250	.185	G-2	4402	-
4403	.6250	1.5625	.6250	.218	G-3	4403	-
4404	.6875	1.5625	.6250	.212	G-4	4404	-
4405	.7500	1.6875	.6299	.247	G-5	4405	-
4406	.8125	1.6875	.6250	.236	G-6	4406	-
4407	.8750	1.9375	.7500	.390	G-7	4407	-
4408	.9375	1.9375	.7500	.377	G-8	4408	-
4409	1.0000	2.0625	.7500	.419	G-9	4409	-
4410	1.0625	2.0625	.7500	.404	G-10	4410	-
4411	1.1250	2.1875	.7500	.454	G-11	4411	-
4412	1.1875	2.1875	.7500	.437	G-12	4412	-
4413	1.2500	2.3125	.7500	.483	G-13	4413	-
4414	1.3125	2.3125	.7500	.470	G-14	4414	-
4415	1.3750	2.4375	.7500	.509	G-15	4415	-
4416	1.4375	2.4375	.7500	.498	G-16	4416	-
4417	1.5000	2.5625	.7500	.556	G-17	4417	-
4418	1.5625	2.5625	.7500	.534	G-18	4418	-
4419	1.6250	2.8125	.8750	.809	G-19	4419	-
4420	1.6875	2.8125	.8750	.783	G-20	4420	-
4421	1.7500	2.9375	.8750	.851	G-21	4421	-
4422	1.8125	2.9375	.8750	.822	G-22	4422	-
4423	1.8750	3.0625	.8750	.889	G-23	4423	-
4424	1.9375	3.0625	.8750	.878	G-24	4424	-
4425	2.0000	3.1875	.8750	.953	G-25	4425	-
4426	2.0625	3.1875	.8750	.917	G-26	4426	-
4427	2.1250	3.3125	.8750	.970	G-27	4427	-
4428	2.1875	3.3125	.8750	.937	G-28	4428	-
4429	2.2500	3.4375	.8900	1.019	G-29	4429	-
4430	2.3125	3.4375	.8750	1.001	G-30	4430	-
4431	2.3750	3.5625	.8750	1.001	G-31	4431	-
4432	2.4375	3.5625	.8750	1.010	G-32	4432	-
4433	2.5000	4.0000	1.1250	1.881	G-33	4433	-
4434	2.5625	4.0000	1.1250	1.830	G-34	4434	-
4435	2.6250	4.1250	1.1250	1.998	G-35	4435	-
4436	2.7500	4.2500	1.1250	2.059	G-37	4436	-
4437	2.9375	4.4375	1.1250	2.170	G-40	4437	-
4438	3.0000	4.5000	1.1250	2.201	G-41	4438	-
4439	3.1250	4.6250	1.1250	2.260	G-42	4439	-
4440	3.2500	4.7500	1.1250	2.322	G-43	4440	-
4441	3.3750	4.8750	1.1250	2.388	G-44	4441	-
4442	3.5000	5.0000	1.1250	2.498	G-45	4442	-
4443	3.6250	5.6250	1.3750	3.991	G-46	4443	-
4444	3.7500	5.7500	1.3750	4.434	G-47	4444	-
4445	3.8750	5.8750	1.3750	4.807	G-48	4445	-
4446	4.0000	6.0000	1.3750	4.648	G-49	4446	-
4447	4.1250	6.1340	1.3750	5.204	G-50	4447	-
4448	4.2500	6.2500	1.3750	4.844	G-51	4448	-
4449	4.3750	6.3750	1.3750	5.601	G-52	4449	-
4450	4.5000	6.7500	1.6250	7.701	G-53	4450	-
4451	4.6250	6.8750	1.6250	8.092	G-54	4451	-
4452	4.7500	7.0000	1.6250	7.332	G-55	4452	-
4453	4.8750	7.1250	1.6250	8.710	G-56	4453	-
4454	5.0000	7.2500	1.6250	7.590	G-57	4454	50 TVB 190
4455	5.1250	7.3750	1.6250	8.996	G-58	4455	51 TVB 241
4456	5.2500	7.5000	1.6250	7.973	G-59	4456	52 TVB 242
4457	5.3750	7.6250	1.6300	8.134	G-60	4457	53 TVB 243
4458	5.5000	8.2500	1.8750	1.993	G-61	4458	55 TVB 245
4459	5.6250	8.3750	1.8750	12.167	G-62	4459	56 TVB 247
4460	5.7500	8.5000	1.8750	12.319	G-63	4460	57 TVB 248
4461	5.8750	8.6250	1.8750	12.500	G-64	4461	58 TVB 249
4462	6.0000	8.7500	1.8750	12.679	G-65	4462	60 TVB 252
4463	6.1250	8.8750	1.8750	10.060	G-66	4463	61 TVB 290
4464	6.2500	9.0000	1.8750	13.241	G-67	4464	62 TVB 291
4465	6.3750	9.1250	1.8750	13.422	G-68	4465	63 TVB 292
4466	6.5000	9.5000	2.2500	18.579	G-69	4466	65 TVB 293
4467	6.6250	9.6250	2.2500	18.826	G-70	4467	66 TVB 295
4468	6.7500	9.7500	2.2500	19.367	G-71	4468	67 TVB 296



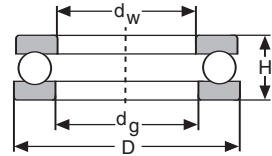
THRUST BALL BEARINGS - INCH DIMENSIONS - FLAT RACEWAYS

Consolidated No.	Dimensions (Inch)			Approx. Wgt. (lbs.)	Interchange		
	d	D	H		Andrews	Aetna	Nice
FT-01	.1875	.4375	.1875	.006	FT-01	-	FR-4
FT-02	.1875	.5312	.1875	.011	FT-02	-	-
FT-03	.1875	.6250	.2500	.019	FT-03	-	FR-5
FT-04	.1875	.9375	.3750	.064	FT-04	-	-
FT-05	.2500	.5625	.2187	.011	FT-05	-	FR-9
FT-06	.2500	.8125	.3750	.045	FT-06	-	-
FT-07	.2500	.8437	.3750	.050	FT-07	-	FR-11
FT-08	.3125	.6250	.2500	.016	FT-08	-	FR-13
FT-09	.3125	.8437	.3750	.045	FT-09	-	FR-15
FT-10	.3750	.6875	.2812	.019	FT-10	-	FR-17
FT-11	.3750	1.0312	.5000	.088	FT-11	-	FR-19
FT-12	.3750	1.0937	.5000	.100	FT-12	-	-
FT-13	.4375	.8125	.3125	.028	FT-13	-	FR-21
FT-14	.4375	1.0937	.5000	.109	FT-14	-	FR-22
FT-15	.5000	.8750	.2500	.024	FT-15	-	-
FT-16	.5000	.8750	.3750	.038	FT-16	-	FR-24
FT-1	.5000	1.2187	.5625	.132	FT-1	B-1	-
FT-2	.5625	1.2187	.5625	.121	FT-2	B-2	-
FT-3	.6250	1.3437	.5625	.151	FT-3	B-3	-
FT-4	.6875	1.3437	.5625	.144	FT-4	B-4	-
FT-5	.7500	1.4687	.5625	.169	FT-5	B-5	-
FT-6	.8125	1.4687	.5625	.154	FT-6	B-6	-
FT-7	.8750	1.8437	.6250	.303	FT-7	B-7	-
FT-8	.9375	1.8437	.6250	.293	FT-8	B-8	-
FT-9	1.0000	1.9687	.6250	.325	FT-9	B-9	-
FT-10	1.0625	1.9687	.6250	.315	FT-10	B-10	-
FT-11	1.1250	2.0937	.6250	.367	FT-11	B-11	-
FT-12	1.1875	2.0937	.6250	.356	FT-12	B-12	-
FT-13	1.2500	2.3437	.6250	.480	FT-13	B-13	-
FT-14	1.3125	2.3437	.6250	.473	FT-14	B-14	-
FT-15	1.3750	2.4687	.6250	.516	FT-15	B-15	-
FT-16	1.4375	2.4687	.6250	.510	FT-16	B-16	-
FT-17	1.5000	2.5937	.6250	.547	FT-17	B-17	-
FT-18	1.5625	2.5937	.6250	.535	FT-18	B-18	-
FT-19	1.6250	2.9687	.8125	.931	FT-19	B-19	-
FT-20	1.6875	2.9687	.8125	.910	FT-20	B-20	-
FT-21	1.7500	3.0937	.8125	1.000	FT-21	B-21	-
FT-22	1.8125	3.0937	.8125	.993	FT-22	B-22	-
FT-23	1.8750	3.2187	.8125	1.070	FT-23	B-23	-
FT-24	1.9375	3.2187	.8125	.970	FT-24	B-24	-
FT-25	2.0000	3.3437	.8125	1.172	FT-25	B-25	-
FT-26	2.0625	3.3437	.8125	1.062	FT-26	B-26	-
FT-27	2.1250	3.5937	.8125	1.230	FT-27	B-27	-
FT-28	2.1875	3.5937	.8125	1.200	FT-28	B-28	-
FT-29	2.2500	3.7187	.8125	.685	FT-29	B-29	-
FT-30	2.3125	3.7187	.8125	1.313	FT-30	B-30	-
FT-31	2.3750	3.8437	.8125	1.370	FT-31	B-31	-
FT-32	2.4375	3.8437	.8125	1.380	FT-32	B-32	-
FT-33	2.5000	3.9687	.8125	1.420	FT-33	B-33	-
FT-34	2.5625	3.9687	.8125	1.360	FT-34	-	-
FT-35	2.6250	4.3437	1.0000	2.280	FT-35	-	-
FT-36	2.6875	4.3437	1.0000	2.330	FT-36	-	-
FT-37	2.7500	4.4687	1.0000	2.390	FT-37	B-37	-
FT-38	2.8125	4.4687	1.0000	2.270	FT-38	-	-
FT-39	2.8750	4.5937	1.0000	2.440	FT-39	-	-
FT-40	2.9375	4.5937	1.0000	2.280	FT-40	B-40	-
FT-41	3.0000	4.7187	1.0000	2.500	FT-41	B-41	-
FT-42	3.0625	4.7187	1.0000	2.420	FT-42	-	-
FT-43	3.2500	4.9687	1.0000	2.600	FT-43	B-43	-
FT-44	3.5000	5.2187	1.0000	2.800	FT-44	B-45	-



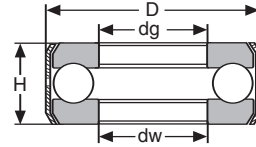
THRUST BALL BEARINGS - SINGLE DIRECTION

Consolidated No.	Dimensions (Inch)			Approx. Wgt. (lbs.)	Interchange Andrews INA
	d	D	H		
2001	.9375	1.5000	.5000	.119	2001
2002	.5000	.7500	.4375	.026	2002
2003	.4062	.7500	.2500	.015	2003
2004	.2500	.6250	.4375	.026	2004
2005	.7500	1.2500	.5625	.104	2005
2006	.6250	1.0000	.5000	.057	2006
2007	.8125	1.2500	.5000	.084	2007
2008	1.0000	1.5000	.6250	.146	2008
2009	.7500	1.2500	.4375	.077	2009
2010	1.0000	1.7500	.5625	.196	2010
2011	.8750	1.3750	.5625	.117	2011
2023	2.0000	3.5000	1.6250	2.590	2023
2024	1.1250	1.8750	.5625	.227	2024
2041	1.6875	2.3750	.5625	.260	2041
2043	.6250	1.2500	.5625	.115	2043
2044	.3125	.6750	.2812	.108	2044
2063	.4375	.9375	.5000	.064	2063
2085	.4375	.8750	.2500	.022	2085
2087	1.0000	1.6250	.5625	.165	2087
2092	1.4375	3.2500	1.3125	1.910	2092
2096	1.2500	2.0000	.8125	.368	2096
2097	.5000	.8750	.5625	.057	2097
2132	.6250	1.1250	.5625	.090	2132
2209 T	1.0625	1.6875	.6250	.203	2209
2278	3.7500	5.0610	1.2812	2.710	2278
2279	3.2500	4.4990	1.1250	1.940	2279
2280	2.0000	3.2500	.8125	.900	2280
2281	2.5000	3.6875	.9375	1.190	2281
2282	1.6250	2.3810	.6562	.350	2282
2283	1.1875	1.9375	.5312	.207	2283
2284	4.6250	4.9970	1.5000	4.060	2284
2458	.5000	1.0625	.3125	.042	2458



THRUST BALL BEARINGS - SINGLE DIRECTION

Consolidated No.	Dimensions (Inch)				Approx. Wgt. (lbs.)	Interchange		
	dw	dg	D	H		Andrews	Aetna	Nice
GT-1	.5000	.5312	1.2187	.5625	.125	GT-1	F-1	1001
GT-2	.5625	.5937	1.2187	.5625	.119	GT-2	F-2	1002
GT-3	.6250	.6562	1.3437	.5625	.142	GT-3	F-3	1003
GT-4	.6875	.7187	1.3437	.5625	.135	GT-4	F-4	-
GT-5	.7500	.7812	1.4687	.5625	.163	GT-5	F-5	-
GT-6	.8125	.8437	1.4687	.5625	.150	GT-6	F-6	1006
GT-7	.8750	.9062	1.8437	.6250	.274	GT-7	F-7	1007
GT-8	.9375	.9687	1.8437	.6250	.266	GT-8	F-8	-
GT-9	1.0000	1.0312	1.9687	.6250	.303	GT-9	F-9	1009
GT-10	1.0625	1.0937	1.9687	.6250	.288	GT-10	F-10	-
GT-11	1.1250	1.1562	2.0937	.6250	.294	GT-11	F-11	1011
GT-12	1.1887	1.2187	2.0937	.6250	.313	GT-12	F-12	1012
GT-13	1.2500	1.2812	2.3437	.6250	.400	GT-13	F-13	1013
GT-14	1.3125	1.3437	2.3437	.6250	.394	GT-14	F-14	-
GT-15	1.3750	1.4062	2.4687	.6250	.431	GT-15	F-15	-
GT-16	1.4375	1.4687	2.4687	.6250	.413	GT-16	F-16	-
GT-17	1.5000	1.5312	2.5937	.6250	.463	GT-17	F-17	1017
GT-18	1.5625	1.5937	2.5937	.6250	.445	GT-18	F-18	-
GT-19	1.6250	1.6562	2.9687	.8125	.825	GT-19	F-19	-
GT-20	1.6875	1.7187	2.9687	.8125	.813	GT-20	F-20	-
GT-21	1.7500	1.7812	3.0937	.8125	.881	GT-21	F-21	-
GT-22	1.8125	1.8437	3.0937	.8125	.828	GT-22	F-22	-
GT-23	1.8750	1.9062	3.2187	.8125	.945	GT-23	F-23	-
GT-24	1.9375	1.9687	3.2187	.8125	.906	GT-24	F-24	-
GT-25	2.0000	2.0312	3.3437	.8125	.953	GT-25	F-25	1025
GT-26	2.0625	2.0937	3.3437	.8125	.969	GT-26	F-26	-
GT-27	2.1250	2.1562	3.5937	.8125	1.078	GT-27	F-27	-
GT-28	2.1875	2.2187	3.5937	.8125	1.063	GT-28	F-28	-
GT-29	2.2500	2.2812	3.7187	.8125	1.156	GT-29	F-29	-
GT-30	2.3125	2.3437	3.7187	.8125	1.125	GT-30	F-30	-
GT-31	2.3750	2.4062	3.8437	.8125	1.165	GT-31	F-31	-
GT-32	2.4375	2.4687	3.8437	.8125	1.125	GT-32	F-32	1032
GT-33	2.5000	2.5312	3.9687	.8125	1.196	GT-33	F-33	-
GT-34	2.5625	2.5937	3.9687	.8125	1.375	GT-34	F-34	-
GT-35	2.6250	2.6562	4.3437	1.0000	1.907	GT-35	F-35	-
GT-36	2.6887	2.7187	4.3437	1.0000	1.875	GT-36	F-36	-
GT-37	2.7500	2.7812	4.4687	1.0000	1.875	GT-37	F-37	-
GT-38	2.8125	2.8437	4.4687	1.0000	1.938	GT-38	F-38	-
GT-39	2.8750	2.9062	4.5937	1.0000	2.047	GT-39	F-39	-
GT-40	2.9375	2.9687	4.5937	1.0000	1.946	GT-40	F-40	-
GT-41	3.0000	3.0312	4.7187	1.0000	2.078	GT-41	F-41	-
GT-42	3.0625	3.0937	4.7187	1.0000	2.039	GT-42	F-42	-
GT-43	3.2500	3.2812	4.9687	1.0000	2.172	GT-43	F-43	-
GT-44	3.5000	3.5312	5.2187	1.0000	2.336	GT-44	F-45	-

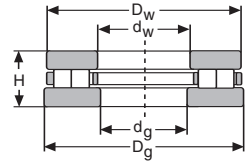


THRUST BALL BEARINGS - SINGLE DIRECTION - BANDED

Consolidated No.	Dimensions (Inch)				Approx. Wgt. (lbs.)	Interchange	
	dw	dg	D	H		Aetna	INA
D-1	.5000	.5312	1.2187	.5625	.119	E-1	D-1
D-2	.5625	.5937	1.2187	.5625	.113	E-2	D-2
D-3	.6250	.6562	1.3437	.5625	.138	E-3	D-3
D-4	.6875	.7187	1.3437	.5625	.180	E-4	D-4
D-5	.7509	.7812	1.4687	.5625	.154	E-5	D-5
D-6	.8125	.8437	1.4687	.5625	.144	E-6	D-6
D-7	.8750	.9062	1.8437	.6250	.278	E-7	D-7
D-8	.9375	.9687	1.8437	.6250	.266	E-8	D-8
D-9	1.0000	1.0312	1.9687	.6250	.303	E-9	D-9
D-10	1.0625	1.0937	1.9687	.6250	.286	E-10	D-10
D-11	1.1250	1.1562	2.0937	.6250	.328	E-11	D-11
D-12	1.1875	1.2187	2.0937	.6250	.314	E-12	D-12
D-13	1.2500	1.2812	2.3437	.6250	.407	E-13	D-13
D-14	1.3125	1.3437	2.3437	.6250	.397	E-14	D-14
D-15	1.3750	1.4062	2.4687	.6250	.452	E-15	D-15
D-16	1.4375	1.4687	2.4687	.6250	.421	E-16	D-16
D-17	1.5000	1.5312	2.5937	.6250	.460	E-17	D-17
D-18	1.5625	1.5937	2.5937	.6250	.442	E-18	D-18
D-19	1.6250	1.6562	2.9687	.8125	.850	E-19	D-19
D-20	1.6875	1.7187	2.9687	.8125	.838	E-20	D-20
D-21	1.7500	1.7812	3.0937	.8125	.887	E-21	D-21
D-22	1.8125	1.8437	3.0937	.8125	.862	E-22	D-22
D-23	1.8750	1.9062	3.2187	.8125	.931	E-23	D-23
D-24	1.9375	1.9687	3.2187	.8125	.907	E-24	D-24
D-25	2.0000	2.0312	3.3437	.8125	.975	E-25	D-25
D-26	2.0625	2.0937	3.3437	.8125	.950	E-26	D-26
D-27	2.1250	2.1562	3.5937	.8125	1.160	E-27	D-27
D-28	2.1875	2.2187	3.5937	.8125	1.100	E-28	D-28
D-29	2.2500	2.2812	3.7187	.8125	1.190	E-29	D-29
D-30	2.3125	2.3437	3.7187	.8125	1.140	E-30	D-30
D-31	2.3750	2.4062	3.8437	.8125	1.250	E-31	D-31
D-32	2.4375	2.4687	3.8437	.8125	1.200	E-32	D-32
D-33	2.5000	2.5312	3.9687	.8125	1.280	E-33	D-33
D-34	2.5625	2.5937	3.9687	.8125	1.230	-	D-34
D-35	2.6250	2.6562	4.3437	1.0000	1.930	-	D-35
D-36	2.6875	2.7187	4.3437	1.0000	1.950	-	D-36
D-37	2.7500	2.7812	4.4687	1.0000	2.100	E-37	D-37
D-38	2.8125	2.8437	4.4687	1.0000	2.030	-	D-38
D-39	2.9375	2.9687	4.5937	1.0000	2.130	E-40	D-39
D-39 1/2	3.0000	3.0625	4.5937	1.0000	2.100	E-41	D-39 1/2
D-40	3.0000	3.0312	4.7187	1.0000	2.250	-	D-40
D-41	3.2500	3.2812	4.9687	1.0000	2.430	E-43	D-41
D-42	3.5000	3.5312	5.2187	1.0000	2.530	E-45	D-42

NOTE:

- 1.) This series is precision ground to ABEC #1 tolerances.
- 2.) "dg" dimension may vary between manufacturers.



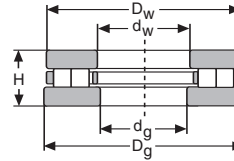
Type 2

THRUST ROLLER BEARINGS - COMPLETE - INCH DIMENSIONS

Consolidated No.	Dimensions (Inch)					Approx. Wgt. (lbs.)	Interchange			
	dw	dg	Dw	Dg	H		Andrews	INA	Rollway	Torrington
T-601	1.0000	1.0236	2.0866	2.1250	.8125	.500	RTM-601	RT-601	T-601	-
T-602	1.0625	1.0827	2.0866	2.1250	.8125	.500	RTM-602	RT-602	T-602	-
T-603	1.1250	1.1535	2.2047	2.2500	.8125	.600	RTM-603	RT-603	T-603	-
T-604	1.1875	1.2205	2.2047	2.2500	.8125	.600	RTM-604	RT-604	T-604	-
T-605	1.2500	1.2795	2.3228	2.3750	.8125	.600	RTM-605	RT-605	T-605	-
T-606	1.3125	1.3386	2.3228	2.3750	.8125	.600	RTM-606	RT-606	T-606	-
T-607	1.3750	1.4567	2.7953	2.8750	.8125	.600	RTM-607	RT-607	T-607	-
T-608	1.4375	1.5157	2.7963	2.8750	.8125	1.000	RTM-608	RT-608	T-608	-
T-609	1.5000	1.5748	2.9213	3.0000	.8125	1.000	RTM-609	RT-609	T-609	NTHA-2448
T-610	1.5625	1.6375	2.9213	3.0000	.8125	1.000	RTM-610	RT-610	T-610	-
T-611	1.6250	1.6811	3.1693	3.2500	1.0000	1.500	RTM-611	RT-611	-	-
T-612	1.6875	1.7638	3.1693	3.2500	1.0000	1.500	RTM-612	RT-612	T-612	-
T-613	1.7500	1.8070	3.2953	3.3750	1.0000	1.600	RTM-613	RT-613	T-613	-
T-614	1.8125	1.8898	3.2953	3.3750	1.0000	1.600	RTM-614	RT-614	T-614	-
T-615	1.8750	1.9567	3.4252	3.5000	1.0000	1.700	RTM-615	RT-615	T-615	-
T-616	1.9375	2.0079	3.4252	3.5000	1.0000	1.600	RTM-616	RT-616	T-616	-
T-617	2.0000	2.0866	3.5512	3.6250	1.0000	1.700	RTM-617	RT-617	T-617	NTHA-3258
T-618	2.1250	2.2047	3.6732	3.7500	1.0000	1.800	RTM-618	RT-618	T-618	NTHA-3460
T-619	2.2500	2.3228	3.7992	3.8750	1.0000	1.900	RTM-619	RT-619	T-619	NTHA-3662
T-620	2.3750	2.4528	3.9291	4.0000	1.0000	2.000	RTM-620	RT-620	T-620	NTHA-3864
T-621	2.5000	2.5787	4.0540	4.1250	1.0000	2.700	RTM-621	RT-621	-	NTHA-4066
T-622	2.6250	2.7008	4.2716	4.3430	1.0000	2.300	RTM-622	RT-622	T-622	NTHA-4270
T-623	2.7500	2.8268	4.3898	4.4680	1.0000	2.400	RTM-623	RT-623	T-623	NTHA-4472
T-624	3.0000	3.0709	4.6378	4.7180	1.0000	2.600	RTM-624	RT-624	T-624	NTHA-4876
T-625	3.2500	3.3268	4.8819	4.9680	1.0000	2.700	RTM-625	RT-625	T-625	NTHA-5280
T-626	3.5000	3.5827	5.1378	5.2180	1.0000	2.900	RTM-626	RT-626	T-626	NTHA-5684

NOTE:

- 1.) This series is equipped with machined bronze cages.
- 2.) O.D. dimension of shaft washer and bore dimension of housing washer may vary between manufacturers.

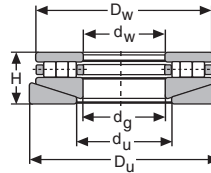


THRUST ROLLER BEARINGS - COMPLETE - INCH DIMENSIONS

Consolidated No.	Dimensions (Inch)					Approx. Wgt. (lbs.)	Interchange				
	dw	dg	Dw	Dg	H		American	Andrews	INA	Rollway	Torrington
T-727	2.0000	2.0472	5.9375	6.0000	1.3750	8.600	TP-127	RTH-727	RT-727	T-727	20 TP 103
T-728	2.0000	2.0472	6.9375	7.0000	1.3750	11.700	TP-128	RTH-728	RT-728	T-728	20 TP 104
T-729	2.0000	2.0472	7.9375	8.0000	1.3750	16.000	TP-129	RTH-729	RT-729	T-729	20 TP 105
T-730	3.0000	3.0512	5.9375	6.0000	1.3750	7.300	TP-130	RTH-730	RT-730	T-730	30 TP 106
T-731	3.0000	3.0512	6.9375	7.0000	1.3750	10.800	TP-131	RTH-731	RT-731	T-731	30 TP 107
T-732	3.0000	3.0512	7.9375	8.0000	1.3750	14.700	TP-132	RTH-732	RT-732	T-732	30 TP 108
T-733	3.0000	3.0512	8.9375	9.0000	1.3750	19.200	TP-133	RTH-733	RT-733	T-733	30 TP 109
T-734	4.0000	4.0551	6.9375	7.0000	1.7500	11.400	TP-134	RTH-734	RT-734	T-734	40 TP 114
T-735	4.0000	4.0551	7.9375	8.0000	1.7500	16.600	TP-135	RTH-735	RT-735	T-735	40 TP 115
T-736	4.0000	4.0551	8.9375	9.0000	1.7500	22.400	TP-136	RTH-736	RT-736	T-736	40 TP 116
T-737	4.0000	4.0551	9.9375	10.0000	1.7500	29.000	TP-137	RTH-737	RT-737	T-737	40 TP 117
T-738	5.0000	5.0590	7.9375	8.0000	1.7500	11.500	TP-138	RTH-738	RT-738	T-738	50 TP 119
T-739	5.0000	5.0590	8.9375	9.0000	1.7500	19.500	TP-139	RTH-739	RT-739	T-739	50 TP 120
T-740	5.0000	5.0590	9.9375	10.0000	2.0000	30.000	TP-140	RTH-740	RT-740	T-740	50 TP 121
T-741	5.0000	5.0590	10.9375	11.0000	2.0000	38.000	TP-141	RTH-741	RT-741	T-741	50 TP 122
T-742	5.0000	5.0590	11.9375	12.0000	2.0000	47.000	TP-142	RTH-742	RT-742	T-742	50 TP 123
T-743	6.0000	6.0623	8.9375	9.0000	2.0000	18.000	TP-143	RTH-743	RT-743	T-743	60 TP 124
T-744	6.0000	6.0623	9.9375	10.0000	2.0000	25.000	TP-144	RTH-744	RT-744	T-744	60 TP 125
T-745	6.0000	6.0623	10.9375	11.0000	2.0000	34.000	TP-145	RTH-745	RT-745	T-745	60 TP 126
T-746	6.0000	6.0623	11.9375	12.0000	2.0000	42.000	TP-146	RTH-746	RT-746	T-746	60 TP 127
T-747	7.0000	7.0866	9.9055	10.0000	2.0000	20.000	TP-147	RTH-747	RT-747	T-747	70 TP 129
T-748	7.0000	7.0866	10.9055	11.0000	2.0000	28.000	TP-148	RTH-748	RT-748	T-748	70 TP 130
T-749	7.0000	7.0866	11.9055	12.0000	2.0000	40.000	TP-149	RTH-749	RT-749	T-749	70 TP 131
T-750	7.0000	7.0866	13.9055	14.0000	3.0000	88.000	TP-150	RTH-750	RT-750	T-750	70 TP 132
T-751	8.0000	8.0905	11.9055	12.0000	3.0000	48.000	TP-151	RTH-751	RT-751	T-751	80 TP 134
T-752	8.0000	8.0905	13.9055	14.0000	3.0000	78.000	TP-152	RTH-752	RT-752	T-752	80 TP 135
T-753	8.0000	8.0905	15.9055	16.0000	3.0000	114.000	TP-153	RTH-753	RT-753	T-753	80 TP 136
T-754	10.0000	10.0984	15.9055	16.0000	3.0000	88.000	TP-154	RTH-754	RT-754	T-754	100 TP 143
T-755	10.0000	10.0984	17.9055	18.0000	3.7500	168.000	TP-155	RTH-755	RT-755	T-755	100 TP 144
T-756	10.0000	10.0984	19.9055	20.0000	3.7500	225.000	TP-156	RTH-756	RT-756	T-756	100 TP 145
T-757	12.0000	12.1260	17.9055	18.0000	3.7500	130.000	TP-157	RTH-757	RT-757	T-757	120 TP 151
T-758	12.0000	12.1260	19.9055	20.0000	4.5000	222.000	TP-158	RTH-758	RT-758	T-758	120 TP 152
T-759	12.0000	12.1260	23.9055	24.0000	4.5000	372.000	TP-159	RTH-759	RT-759	T-759	120 TP 153
T-760	14.0000	14.1338	19.8750	20.0000	3.7500	152.000	TP-160	RTH-760	RT-760	T-760	140 TP 158
T-761	14.0000	14.1328	21.8750	22.0000	3.7500	215.000	TP-161	RTH-761	RT-761	T-761	140 TP 159
T-762	14.0000	14.1250	23.8750	24.0000	3.7500	280.000	TP-162	RTH-762	RT-762	T-762	140 TP 160
T-763	16.0000	16.1250	21.8750	22.0000	4.5000	202.000	TP-163	RTH-763	RT-763	T-763	140 TP 164
T-764	16.0000	16.1250	23.8750	24.0000	4.5000	283.000	TP-164	RTH-764	RT-764	T-764	140 TP 165
T-765	16.0000	16.1250	25.8750	26.0000	4.5000	372.000	TP-165	RTH-765	RT-765	T-765	140 TP 166

NOTE:

- 1.) This series is equipped with machined bronze cages.
- 2.) O.D. dimension of shaft washer and bore dimension of housing washer may vary between manufacturers.
- 3.) Larger sizes are available on special order basis.



THRUST ROLLER BEARING WITH SPHERICAL SEATING RING - SINGLE DIRECTION*

Consolidated No.	Dimensions (Inch)						Approx. Wgt. (lbs.)	Interchange			
	dw	dg	Dw	du	Du	H		Andrews	INA	Rollway	Torrington
AT-601	1.0000	1.1300	2.0000	1.3125	2.2500	1.0625	.700	RTWM-601	RTW-601	AT-601	-
AT-602	1.0625	1.1300	2.0000	1.3125	2.2500	1.0625	.700	RTWM-602	RTW-602	AT-602	-
AT-603	1.1250	1.2500	2.1562	1.4375	2.3750	1.0625	.800	RTWM-603	RTW-603	AT-603	-
AT-604	1.1875	1.2500	2.1562	1.4375	2.3750	1.0625	.700	RTWM-604	RTW-604	AT-604	-
AT-605	1.2500	1.3750	2.3125	1.5000	2.5000	1.0625	.800	RTWM-605	RTW-605	AT-605	-
AT-606	1.3125	1.3750	2.3125	1.6250	2.5000	1.0625	.800	RTWM-606	RTW-606	AT-606	-
AT-607	1.3750	1.5000	2.7969	1.8125	3.0000	1.0625	1.300	RTWM-607	RTW-607	AT-607	-
AT-608	1.4375	1.5000	2.7969	1.8125	3.0000	1.0625	1.300	RTWM-608	RTW-608	AT-608	-
AT-609	1.5000	1.6250	2.9062	1.8750	3.1250	1.0625	1.400	RTWM-609	RTW-609	AT-609	-
AT-610	1.5625	1.6250	2.9062	1.8750	3.1250	1.0625	1.400	RTWM-610	RTW-610	AT-610	-
AT-611	1.6250	1.7500	3.1562	2.0000	3.3750	1.3125	2.000	RTWM-611	RTW-611	AT-611	-
AT-612	1.6875	1.7500	3.1562	2.0000	3.3750	1.3125	2.000	RTWM-612	RTW-612	AT-612	-
AT-613	1.7500	1.8750	3.3000	2.0625	3.5000	1.3125	2.000	RTWM-613	RTW-613	AT-613	-
AT-614	1.8125	1.8750	3.3000	2.0625	3.5000	1.3125	2.000	RTWM-614	RTW-614	AT-614	-
AT-615	1.8750	2.0000	3.4062	2.2500	3.6250	1.3125	2.200	RTWM-615	RTW-615	AT-615	-
AT-616	1.9375	2.0000	3.4062	2.2500	3.6250	1.3125	2.200	RTWM-616	RTW-616	AT-616	-
AT-617	2.0000	2.0625	3.5156	2.4375	3.7500	1.3125	2.300	RTWM-617	RTW-617	AT-617	-
AT-618	2.1250	2.1875	3.6562	2.5000	3.8750	1.3125	2.300	RTWM-618	RTW-618	AT-618	-
AT-619	2.2500	2.3125	3.7500	2.6875	4.0000	1.3125	2.500	RTWM-619	RTW-619	AT-619	-
AT-620	2.3750	2.4375	3.9062	2.8750	4.1250	1.3125	2.600	RTWM-620	RTW-620	AT-620	-
AT-621	2.5000	2.5625	4.0000	2.8750	4.2500	1.3125	2.700	RTWM-621	RTW-621	AT-621	-
AT-622	2.6250	2.6875	4.2187	3.1250	4.5300	1.3125	3.000	RTWM-622	RTW-622	AT-622	-
AT-623	2.7500	2.8125	4.3437	3.3125	4.6550	1.3125	3.200	RTWM-623	RTW-623	AT-623	-
AT-624	3.0000	3.0625	4.5937	3.5000	4.9687	1.3125	3.400	RTWM-624	RTW-624	AT-624	-
AT-625	3.2500	3.3437	4.8437	3.8125	5.2187	1.3125	3.600	RTWM-625	RTW-625	AT-625	-
AT-626	3.5000	3.5937	5.1562	4.0625	5.4687	1.3125	3.800	RTWM-626	RTW-626	AT-626	35 TPS 113
AT-727	2.0000	2.0625	5.9375	3.3750	6.3125	1.8125	11.500	RTWH-727	RTW-727	AT-727	20 TPS 103
AT-728	2.0000	2.0625	6.9375	4.2500	7.3125	1.8125	15.800	RTWH-728	RTW-728	AT-728	20 TPS 104
AT-730	3.0000	3.0625	5.9375	4.0000	6.3125	1.8125	9.600	RTWH-730	RTW-730	AT-730	30 TPS 106
AT-731	3.0000	3.0625	6.9375	4.3750	7.3125	1.8125	14.300	RTWH-731	RTW-731	AT-731	30 TPS 107
AT-732	3.0000	3.0625	7.9375	5.2500	8.3125	1.8125	20.000	RTWH-732	RTW-732	AT-732	30 TPS 108
AT-734	4.0000	4.0937	6.9375	5.0000	7.3750	2.3125	15.000	RTWH-734	RTW-734	AT-734	40 TPS 114
AT-735	4.0000	4.0937	7.9375	5.2500	8.3750	2.3125	22.000	RTWH-735	RTW-735	AT-735	40 TPS 115
AT-736	4.0000	4.0937	8.9375	5.8750	9.3750	2.3125	30.000	RTWH-736	RTW-736	AT-736	40 TPS 116
AT-737	4.0000	4.0937	9.9375	6.5000	10.5000	2.3125	39.000	RTWH-737	RTW-737	AT-737	40 TPS 117
AT-738	5.0000	5.1250	7.9375	6.0000	8.5000	2.3125	18.000	RTWH-738	RTW-738	AT-738	50 TPS 119
AT-739	5.0000	5.1250	8.9375	6.1250	9.5000	2.3125	26.000	RTWH-739	RTW-739	AT-739	50 TPS 120
AT-740	5.0000	5.1250	9.9375	6.2500	10.5000	2.6250	39.000	RTWH-740	RTW-740	AT-740	50 TPS 121
AT-741	5.0000	5.1250	10.9375	7.0000	11.5000	2.6250	50.000	RTWH-741	RTW-741	AT-741	50 TPS 122
AT-742	5.0000	5.1250	11.9375	7.2500	12.5000	2.6250	63.000	RTWH-742	RTW-742	AT-742	50 TPS 123
AT-743	6.0000	6.1250	8.9375	7.2500	9.5000	2.6250	23.000	RTWH-743	RTW-743	AT-743	60 TPS 124
AT-744	6.0000	6.1250	9.9375	7.3750	10.5000	2.6250	33.000	RTWH-744	RTW-744	AT-744	60 TPS 125
AT-745	6.0000	6.1250	10.9375	7.3750	11.5000	2.6250	44.000	RTWH-745	RTW-745	AT-745	60 TPS 126
AT-746	6.0000	6.1250	11.9375	7.5000	12.5000	2.6250	57.000	RTWH-746	RTW-746	AT-746	60 TPS 127
AT-747	7.0000	7.1250	9.9070	8.1250	10.5000	2.6250	26.000	RTWH-747	RTW-747	AT-747	70 TPS 129
AT-748	7.0000	7.1250	10.9070	8.2500	11.5000	2.6250	37.000	RTWH-748	RTW-748	AT-748	70 TPS 130
AT-749	7.0000	7.1250	11.9070	8.2500	12.5000	2.6250	50.000	RTWH-749	RTW-749	AT-749	70 TPS 131
AT-750	7.0000	7.1875	13.9070	9.0000	14.7500	4.0000	118.000	RTWH-750	RTW-750	AT-750	70 TPS 132
AT-751	8.0000	8.1875	11.9070	9.3750	12.7500	4.0000	63.000	RTWH-751	RTW-751	AT-751	80 TPS 134
AT-752	8.0000	8.1875	13.9070	10.3750	14.7500	4.0000	107.000	RTWH-752	RTW-752	AT-752	80 TPS 135
AT-753	8.0000	8.2500	15.9070	10.5000	16.8750	4.0000	154.000	RTWH-753	RTW-753	AT-753	80 TPS 136

*These bearings are supplied as a complete unit.

NOTE:

- 1.) This series is equipped with machined bronze cages.
- 2.) O.D. dimension of shaft washer and bore dimension of housing washer may vary between manufacturers.
- 3.) Smaller and larger sizes are available on special order.



Our Service Is...

Making our products readily available to you through a nationwide system of warehouses and sales offices. **Consolidated** is ready to fulfill your daily or long term requirements for bearings and related products. We offer the following:

Same Day Shipping Service - All orders that can be filled are shipped the same day they are received.

Emergency Shipment Service – Our staff is available to serve your requirements 24 hours a day, throughout the year including holidays. Emergency phone numbers are listed in our current price schedule.

Overseas Air Service – If stock is available, **Consolidated** will arrange airfreight shipments from our overseas suppliers. Shipments are normally delivered within 10 days.

Direct Phone Order Service – Your calls reach our order desks directly. No voice mail and no delays. WATS numbers for all warehouse locations are listed on the back page of our current price schedule.

Stock Availability Service – With our computerized inventory control system, we can provide you with an immediate answer concerning stock availability from all of our nine (9) warehouse locations. For items not available, precise delivery dates can usually be given.

Technical Service – Our engineering staff can provide you with up-to-date technical information regarding all types of bearing applications.

24-Hour Fax Service – Fax numbers for all warehouse locations are indicated on the back page of our current price schedule.

Bearing Modification Service – Our Cedar Knolls facility is equipped to modify cylindrical roller and needle bearings to various internal clearances – C/3, C/4, W/23, C/5 or custom clearances to meet your special requirements.