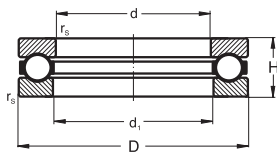


F&T Thrust Ball Bearings

łożyska kulkowe wzdłużne

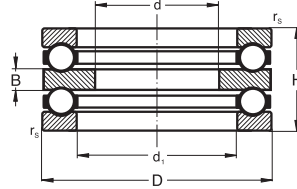
Single direction

Jednokierunkowe



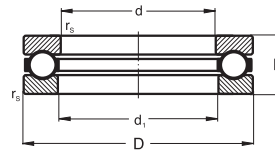
double direction

Dwukierunkowe



Single direction

Jednokierunkowe



SUFFIX Characters placed after basic designation

Znaki umieszczone za oznaczeniem podstawowym

M

machined brass cage

● koszyk masywny mosiężny

U

bearing with sphered housing washer and aligning seating washer

● łożysko z pierścieniem kulistym i podkładką kulistą

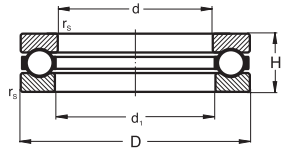
DIMENSIONS					BASIC LOAD RATING		LIMITING SPEEDS		MASS	BASIC DESIGNATIONS OZNACZENIE PODSTAWOWE
WYMIARY GŁÓWNE					NOŚNOŚĆ		OBROTY GRANICZNE		MASA	
d	d ₁	D	H	r _s	dynamic dynamiczna C	static statyczna C ₀	grease w smarze	oil w oleju	~	
mm					kN		r/min		kg	
10	11.00	24	9	0.3	10.00	14.0	7 000	9 500	0.020	51100
	11.00	26	11	1.0	10.00	14.0	6 000	8 000	0.030	51200
12	13.00	26	9	0.3	10.40	15.3	6 700	9 000	0.022	51101
15	16.00	28	9	0.3	9.36	14.0	6 300	8 500	0.230	51102
15	17.00	23	12	0.6	16.50	25.0	5 300	7 000	0.043	51202
17	18.00	30	9	0.3	9.65	15.3	6 300	8 500	0.025	51103
	18.00	35	12	1.0	12.70	22.0	5 300	7 000	0.053	51203
20	21.00	35	10	0.3	12.70	20.8	5 600	7 500	0.038	51104
	22.00	40	14	0.6	22.40	37.5	4 500	6 000	0.083	51204
25	26.00	42	11	0.6	15.60	29.0	4 800	6 300	0.061	51105
	27.00	47	15	0.6	28.00	50.0	4 000	5 300	0.110	51205
	27.00	52	18	1.0	33.50	55.9	3 900	5 000	0.180	51305
30	32.00	47	11	0.6	14.93	30.4	4 500	6 000	0.068	51106
	32.00	52	16	0.6	25.50	46.6	4 500	6 000	0.144	51206
	32.00	60	21	1.0	37.80	67.8	3 000	4 000	0.270	51306
35	37.00	52	12	0.6	17.40	37.5	4 300	5 600	0.085	51107
	37.00	62	18	1.0	35.30	67.1	3 800	5 000	0.220	51207
	37.00	68	24	1.0	56.00	85.0	3 000	4 000	0.390	51307
	38.35	66	16		33.30	77.5	3 500		0.216	CBK-287A
40	42.00	60	13	0.6	25.10	56.5	3 800	5 000	0.120	51108
	42.00	68	19	1.0	40.00	80.1	3 800	5 000	0.270	51208
	42.00	78	26	1.0	57.50	109.3	2 000	3 000	0.550	51308
45	47.00	65	14	0.6	25.30	59.5	3 800	5 000	0.150	51109
	47.00	73	26	1.0	28.90	80.1	3 000	4 000	0.320	51209
	47.00	85	28	1.0	71.50	138.3	1 800	2 600	0.690	51309
50	52.00	70	14	0.6	27.10	69.0	3 400	4 500	0.160	51110
	52.00	78	22	1.0	41.80	92.4	3 000	4 000	0.390	51210
	52.00	95	31	1.1	86.40	170.8	1 800	2 600	1.000	51310
55	57.00	78	16	0.6	32.80	85.8	3 000	4 000	0.240	51111
	57.00	90	25	1.0	63.50	139.1	2 000	3 000	0.610	51211
	57.00	105	35	1.1	113.00	225.8	1 600	2 200	1.340	51311
60	62.00	85	17	1.0	39.10	103.0	2 600	3 600	0.290	51112
	62.00	95	26	1.0	62.20	139.1	2 000	3 000	0.690	51212
	62.00	110	35	1.1	117.00	246.4	1 600	2 200	1.430	51312
65	67.00	90	18	1.0	40.60	113.0	2 400	3 200	0.340	51113
	67.00	100	27	1.0	63.90	149.0	1 800	2 600	0.770	51213
	67.00	115	36	1.1	127.00	231.0	1 200	1 700	1.570	51313

DIMENSIONS					BASIC LOAD RATING		LIMITING SPEEDS		MASS	BASIC DESIGNATIONS OZNACZENIE PODSTAWOWE
WYMIARY GŁÓWNE					NOŚNOŚĆ		OBROTY GRANICZNE		MASA	
d	d ₁	D	H	r _s	dynamic dynamiczna C	static statyczna C ₀	grease w smarze	oil w oleju	~	
mm					kN		r/min		kg	
70	72.00	95	18	1.0	40.20	117.0	2 400	3 200	0.360	51114
	72.00	105	27	1.0	65.60	159.0	1 800	2 620	0.810	51214
	72.00	125	40	1.1	153.00	275.0	1 200	1 700	2.060	51314
75	77.00	100	19	1.0	44.30	122.9	2 200	3 200	0.420	51115
	77.00	110	27	1.0	67.20	169.0	1 800	2 600	0.860	51215
	77.00	135	44	1.5	171.00	319.0	1 100	1 600	2.680	51315
80	82.00	105	19	1.0	44.90	128.5	2 000	3 000	0.430	51116
	82.00	115	28	1.0	68.70	179.0	1 700	2 400	0.950	51216
	82.00	140	44	1.5	178.00	348.0	1 000	1 500	2.820	51316
85	87.00	110	19	1.0	45.50	134.1	2 000	3 000	0.460	51117
	87.00	125	31	1.0	97.50	250.0	1 600	2 200	1.200	51217
	88.00	150	49	1.5	190.00	397.0	950	1 400	3.060	51317
90	92.00	120	22	1.0	58.00	167.3	1 800	2 600	0.680	51118
	93.00	135	35	1.1	119.00	300.0	1 500	2 000	1.700	51218
	93.00	155	50	1.5	190.00	400.0	850	1 200	3.980	51318
100	102.00	135	25	1.0	74.30	218.6	1 700	2 400	0.990	51120M
	103.00	150	38	1.1	138.00	358.0	1 300	1 800	2.360	51220
	103.00	170	55	1.5	215.00	517.0	850	1 200	5.110	51320
110	112.00	145	25	1.0	76.80	238.4	1 600	2 200	1.080	51122
	113.00	160	38	1.1	141.00	380.0	1 200	1 700	2.570	51222
	113.00	190	63	1.5	267.00	704.0	800	1 100	7.870	51322M
120	122.00	155	25	1.0	79.20	258.3	1 600	2 200	1.160	51124
	123.00	170	39	1.1	153.00	383.0	1 200	1 700	2.860	51224
	123.00	210	70	2.0	311.00	869.0	750	1 000	10.900	51324M
130	132.00	170	30	1.0	105.00	336.2	1 400	1 900	1.870	51126M
	133.00	190	45	1.5	192.00	548.0	950	1 400	4.190	51226M
	134.00	225	75	2.1	332.00	705.0	700	950	13.300	51326
140	142.00	180	31	1.0	105.70	350.2	1 300	1 800	2.070	51128M
	143.00	200	46	1.5	195.00	578.0	950	1 400	4.880	51228M
	144.00	240	80	2.1	370.00	912.0	630	900	15.900	51328
150	152.00	190	31	1.0	108.00	328.0	1 200	1 700	2.180	51130
	153.00	215	50	1.5	224.00	589.0	900	1 300	6.190	51230
	154.00	250	80	2.1	382.00	981.0	500	800	16.700	51330
160	162.00	200	31	1.0	120.30	448.3	1 200	1 700	2.330	51132M
	163.00	225	51	1.5	230.00	608.0	850	1 200	6.670	51232
	164.00	270	87	3.0	470.00	1 570.0	630	850	18.600	51332
170	172.00	215	34	1.1	135.00	417.0	1 100	1 600	3.310	51134
	173.00	240	55	1.5	270.00	721.0	800	1 100	8.290	51234
180	183.00	225	34	1.1	135.00	431.0	1 000	1 500	3.480	51136
	183.00	250	56	1.5	275.00	750.0	800	1 100	8.850	51236
	193.00	240	37	1.1	171.00	529.0	950	1 400	4.060	51138
190	194.00	270	62	2.0	319.00	898.0	750	1 000	11.900	51238
200	203.00	250	37	1.1	183.70	715.0	950	1 400	4.240	51140M
	204.00	280	62	2.0	334.00	1 175.0	750	1 000	12.400	51240M
	205.00	340	110	4.0	679.00	2 610.0	480	630	43.000	51340

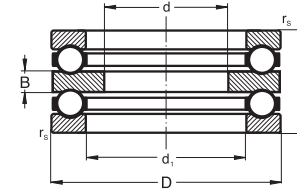
FŁT Thrust Ball Bearings

łożyska kulkowe wzdłużne

Single direction | Jednokierunkowe



Double direction | Dwukierunkowe



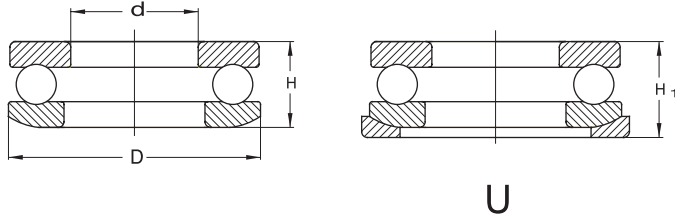
DIMENSIONS					BASIC LOAD RATING		LIMITING SPEEDS		MASS	BASIC DESIGNATIONS	DIMENSIONS						BASIC LOAD RATING		LIMITING SPEEDS		MASS	BASIC DESIGNATIONS	
WYMIARY GŁÓWNE					NOŚNOŚĆ		OBROTOWY GRANICZNE				MASA	OZNACZENIE PODSTAWOWE	WYMIARY GŁÓWNE						NOŚNOŚĆ				OBROTOWY GRANICZNE
d	d ₁	D	H	r _s	dynamic	static	grease	oil	~		d	d ₁	D	H	B	r _s	r _{1s}	dynamic	static	grease	oil	~	
mm					kN		r/min		kg		mm						kN		r/min		kg		
					C	C ₀	w smarze	w oleju									C	C ₀	w smarze	w oleju			
220	223.00	270	37	1.1	176.00	735.0	900	1 300	4.620	51144M	40	52	78	39	9	1.0	0.6	41.8	92.4	3 000	4 000	0.71	52210
	224.00	300	63	2.0	336.00	1 233.0	700	950	13.700	51244M		52	95	58	14	1.1	0.6	86.4	170.8	1 800	2 600	1.86	52310
240	243.00	300	45	1.5	240.00	973.7	800	1 100	7.550	51148M	45	57	90	45	10	1.0	0.6	63.5	139.1	3 000	4 000	1.12	52211
	244.00	340	78	2.1	436.00	1 724.0	600	800	23.600	51248M		57	105	64	15	1.1	0.6	112.5	225.8	1 600	2 200	2.51	52311
260	263.00	320	45	1.5	245.00	1 034.0	800	1 100	8.110	51152M	50	62	95	46	10	1.0	0.6	62.2	139.1	2 000	3 000	1.25	52212
	264.00	360	79	2.1	460.00	1 878.0	450	630	25.600	51252M		62	110	64	15	1.1	0.6	117.0	246.4	1 600	2 200	2.86	52312
280	283.00	350	53	1.5	329.90	1 391.0	700	950	12.200	51156M	55	67	100	47	10	1.0	0.6	63.9	149.0	1 800	2 600	1.36	52213
	284.00	380	80	2.1	465.00	1 967.0	400	560	27.600	51256M		67	115	65	15	1.1	0.6	127.0	231.0	1 200	1 700	2.90	52313
300	304.00	380	62	2.0	406.70	1 801.0	630	850	17.500	51160M		72	105	47	10	1.0	0.6	65.6	159.0	1 800	2 600	1.48	52214
	304.00	420	95	2.1	580.00	2 320.0	360	500	43.100	51260M		72	125	72	16	1.1	1.0	153.0	275.0	1 200	1 700	3.90	52314
	304.00	420	95	3.0	580.00	2 680.0	480	630	42.100	51260	60	77	110	47	10	1.0	1.0	67.2	169.0	1 800	2 600	1.57	52215
320	324.00	400	63	2.0	408.80	1 863.0	600	800	18.900	51164M		77	135	79	18	1.5	1.0	171.0	319.0	1 100	1 600	4.83	52315
	325.00	440	95	3.0	632.00	2 460.0	450	600	44.500	51264M	65	82	115	48	10	1.0	1.0	68.7	179.0	1 700	2 400	1.69	52216
340	344.00	420	64	2.0	622.00	2 934.0	600	800	20.300	51168M		82	140	79	18	1.5	1.0	178.0	348.0	1 000	1 500	5.06	52316
360	364.00	440	65	2.0	430.40	2 111.0	560	750	21.800	51172M	70	88	124	55	12	1.0	1.0	92.8	238.0	1 600	2 200	2.34	52217
500	505.00	600	80	2.1	550.00	3350.0	430	560	47.000	511/500		88	160	87	19	1.5	1.0	190.0	397.0	950	1 400	6.43	52317
	505.00	670	135	1.2	1010.00	6800.0	250	350	135.000	512/500	75	93	135	62	14	1.1	1.0	101.3	263.9	1 500	2 000	3.22	52218
												93	155	88	19	1.5	1.0	190.0	400.0	850	1 200	6.60	52318
											85	103	150	67	15	1.1	1.0	138.0	358.0	1 300	1 800	4.29	52220
												103	170	97	21	1.5	1.0	215.0	517.0	850	1 200	8.90	52320

FŁT Thrust Ball Bearings

łożyska kulkowe wzdłużne

Single-direction with sphered housing washer and aligning seating

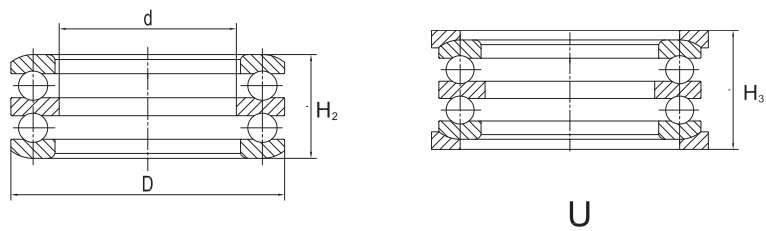
Jednokierunkowe z pierścieniem zewnętrznym kulistym i podkładką kulistą



DIMENSIONS			BASIC LOAD RATING		MODIFICATION		BASIC DESIGNATIONS	MASS
WYMIARY GŁÓWNE			NOŚNOŚĆ		ODMIANA			
d	D	H / H ₁	dynamic dynamiczna C	static statyczna C ₀	M	MU	~	kg
mm			kN					
110	190	/ 67.2	265.00	560.0	•	•	53322	2.050
200	280	65.3	334.0	1180.0	•		53240	11.40
220	300	65.6 / 75	336.0	1230.0	•	•	53244	16.80

Double-direction with aligning seat washers

Dwukierunkowe z kulistymi pierścieniami zewnętrznymi



DIMENSIONS			BASIC LOAD RATING		MODIFICATION			BASIC DESIGNATIONS	MASS
WYMIARY GŁÓWNE			NOŚNOŚĆ		ODMIANA				
d	D	H ₂ / H ₃	dynamic dynamiczna C	static statyczna C ₀	M	U	MU	~	kg
mm			kN						
45	95	49.6 / 55	63.5	139.0	•	•		54211	1.40
100	220	131.2 / 143	311.0	869.0	•	•	•	T-54324	23.30

NEEDLE ROLLER BEARINGS

