

# ZON™

BEARINGS FOR YOUR FUTURE



Standardrillenkugellager / Popular Metric Series





BEARINGS FOR YOUR FUTURE

**Zen Ball Bearings are manufactured to the highest quality for standard and non-standard applications. Our technical department can modify any non-standard bearings to your specific requirements, regardless of quantity.**

Apart from our extensive miniature ball bearing range of more than 1000 different types, ranging from 1-10 mm bore (Including inch dimensions), our range also includes Thin section, Three part thrust, Popular metric and any kind of non standard bearing. We are able to design bearings according to your requirements using new materials like ceramic or special steels for applications in Industry, Medicine, Chemistry and Food Processing.

Our technical department can modify any non-standard bearings to your specific requirements, even for small quantities.

For any items not listed in our catalogue, please contact our experienced sales team.



Zen Ball Bearings Shanghai has been awarded the German ISO TUV Rheinland certification for inspection of ZEN products.

This certification is the highest standard a business in our industry can achieve.

It is internationally recognised as a guarantee of quality, customer focus and continual improvement.



### Standardrillenkugellager Popular Metric Series



Ölschmierung  
Oil lubrication



Fettschmierung  
Grease lubrication



Geeignet für geräuscharme anwendungen  
Suitable for low noise applications

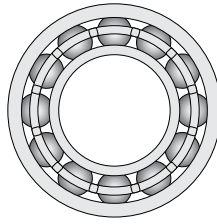
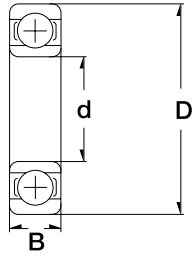


Gummidichtscheiben verfügbar  
Rubber seal option available



Metalldickscheiben verfügbar  
Metal shield option available

# Standarddrillenkugellager / Popular Metric Series

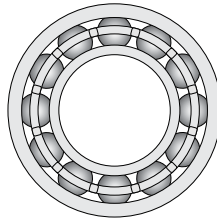
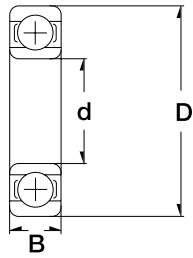


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	Dimension (mm)			Designation/Type			* Load Rating		* Limiting Speed x1000rpm (open & 2Z)	Weight (g) approx.
	standard or flanged	d	D	B	Open	2Z	2RS/2TS	C, dyn. N	C, stat. N	
					Chrome Steel	Chrome Steel	Chrome Steel			
standard	10.0	26.0	8.0	6000	6000-2Z	6000-2RS	4550	1970	30.0	18 g
flanged	10.0	26.0	8.0	F 6000	F 6000-2Z	F 6000-2RS	4550	1970	30.0	20 g
standard	10.0	28.0	8.0	16100	16100-2Z	16100-2RS	4620	1960	28.0	22 g
standard	12.0	28.0	7.0	16001	16001-2Z	16001-2RS	4650	1980	27.0	22 g
standard	10.0	30.0	9.0	6200	6200-2Z	6200-2RS	5100	2390	24.0	32 g
standard	10.0	30.0	14.0	-	-	62200-2RS	5070	2360	17.0	40 g
standard	10.0	35.0	11.0	6300	6300-2Z	6300-2RS	8100	3450	22.0	52 g
standard	10.0	35.0	17.0	-	-	62300-2RS	8060	3400	15.0	60 g
standard	12.0	28.0	8.0	6001	6001-2Z	6001-2RS	5100	2370	28.0	22 g
flanged	12.0	28.0	8.0	F 6001	F 6001-2Z	F 6001-2RS	5100	2370	28.0	24 g
standard	12.0	30.0	8.0	16101	16101-2Z	16101-2RS	5070	2360	26.0	23 g
standard	12.0	32.0	10.0	6201	6201-2Z	6201-2RS	6800	3050	22.0	37 g
standard	12.0	32.0	14.0	-	-	62201-2RS	6890	3100	15.0	45 g
standard	12.0	37.0	12.0	6301	6301-2Z	6301-2RS	9700	4200	20.0	60 g
standard	12.0	37.0	17.0	-	-	62301-RS	9750	4150	14.0	70 g
standard	15.0	32.0	8.0	16002	16002-2Z	16002-2RS	5590	2850	22.0	25 g
standard	15.0	32.0	9.0	6002	6002-2Z	6002-2RS	5600	2830	24.0	31 g
standard	15.0	35.0	11.0	6202	6202-2Z	6202-2RS	7650	3750	20.0	45 g
standard	15.0	35.0	14.0	-	-	62202-2RS	7800	3750	13.0	54 g
standard	15.0	42.0	13.0	6302	6302-2Z	6302-2RS	11400	5450	17.0	83 g
standard	15.0	42.0	17.0	-	-	62302-2RS	11400	5400	12.0	110 g
standard	17.0	35.0	8.0	16003	16003-2Z	16003-2RS	6050	3250	19.0	32 g
standard	17.0	35.0	10.0	6003	6003-2Z	6003-2RS	6000	3250	22.0	41 g
standard	17.0	40.0	12.0	6203	6203-2Z	6203-2RS	9550	4800	17.0	67 g
standard	17.0	40.0	16.0	-	-	62203-2RS	9560	4750	12.0	83 g
standard	17.0	47.0	14.0	6303	6303-2Z	6303-2RS	13600	6650	15.0	113 g

Auch erhältlich in C2, C0 und C3 / Also available in C2, C0 and C3

# Standarddrillenkugellager / Popular Metric Series

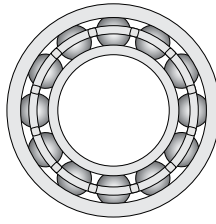
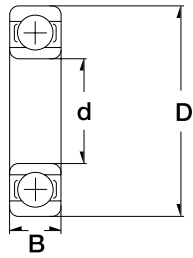


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standard or flanged	Dimension (mm)			Designation/Type			* Load Rating		* Limiting Speed x1000rpm (open & 2Z)	Weight (g) approx.
	d	D	B	Open	2Z	2RS/2TS	C, dyn. N	C, stat. N	Grease	
				Chrome Steel	Chrome Steel	Chrome Steel				
standard	17.0	47.0	19.0	-	-	62303-2RS	13500	6550	11.0	150 g
standard	17.0	62.0	17.0	6403	6403-2Z	6403-2RS	22900	10800	15.0	270 g
standard	20.0	42.0	8.0	16004	16004-2Z	16004-2RS	6900	4050	17.0	50 g
standard	20.0	42.0	12.0	6004	6004-2Z	6004-2RS	9400	5000	18.0	68 g
standard	20.0	47.0	14.0	6204	6204-2Z	6204-2RS	12800	6600	15.0	107 g
standard	20.0	47.0	18.0	-	-	62204-2RS	12700	6550	10.0	130 g
standard	20.0	52.0	15.0	6304	6304-2Z	6304-2RS	15900	7900	14.0	145 g
standard	20.0	52.0	21.0	-	-	62304-2RS	15900	7800	9.5	200 g
standard	20.0	72.0	19.0	6404	6404-2Z	6404-2RS	30700	15000	9.9	400 g
standard	25.0	47.0	8.0	16005	16005-2Z	16005-2RS	7600	4700	14.0	60 g
standard	25.0	47.0	12.0	6005	6005-2Z	6005-2RS	10100	5850	15.0	79 g
standard	25.0	52.0	15.0	6205	6205-2Z	6205-2RS	14000	7850	13.0	129 g
standard	25.0	52.0	18.0	-	-	62205-2RS	14000	7800	8.5	150 g
standard	25.0	62.0	17.0	6305	6305-2Z	6305-2RS	20600	11200	11.0	235 g
standard	25.0	62.0	24.0	-	-	62305-2RS	22500	11600	7.5	320 g
standard	25.0	80.0	21.0	6405	6405-2Z	6405-2RS	35000	19100	8.8	530 g
standard	30.0	55.0	9.0	16006	16006-2Z	16006-2RS	8300	5800	12.0	85 g
standard	30.0	55.0	13.0	6006	6006-2Z	6006-2RS	13200	8300	13.0	116 g
standard	30.0	62.0	16.0	6206	6206-2Z	6206-2RS	19500	11300	11.0	199 g
standard	30.0	62.0	20.0	-	-	62206-2RS	19500	11200	7.5	240 g
standard	30.0	72.0	19.0	6306	6306-2Z	6306-2RS	26700	15000	9.5	345 g
standard	30.0	72.0	27.0	-	-	62306-2RS	28100	16000	6.3	480 g
standard	30.0	90.0	23.0	6406	-	-	43500	23800	8.7	740 g
standard	35.0	62.0	9.0	16007	16007-2Z	16007-2RS	9000	6600	9.5	110 g
standard	35.0	62.0	14.0	6007	6007-2Z	6007-2RS	16000	10300	11.0	151 g

Auch erhältlich in C2, C0 und C3 / Also available in C2, C0 and C3

# Standarddrillenkugellager / Popular Metric Series

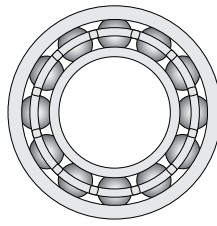
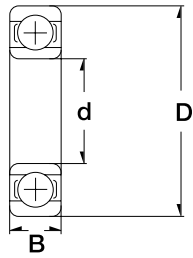


5

	Dimension (mm)			Designation/Type			* Load Rating		* Limiting Speed x1000rpm (open & 2Z)	Weight (g) approx.
	d	D	B	Open	2Z	2RS/2TS	C, dyn. N	C, stat. N	Grease	
				Chrome Steel	Chrome Steel	Chrome Steel				
standard or flanged										
standard	35.0	72.0	17.0	6207	6207-2Z	6207-2RS	25700	15300	9.5	284 g
standard	35.0	72.0	23.0	-	-	62207-2RS	25500	15300	6.3	370 g
standard	35.0	80.0	21.0	6307	6307-2Z	6307-2RS	33500	19200	8.5	464 g
standard	35.0	80.0	31.0	-	-	62307-2RS	33200	19000	6.0	660 g
standard	35.0	100.0	25.0	6407	-	-	55200	31500	6.8	950 g
standard	40.0	68.0	9.0	16008	16008-2Z	16008-2RS	9700	7450	9.0	130 g
standard	40.0	68.0	15.0	6008	6008-2Z	6008-2RS	16800	11500	10.0	190 g
standard	40.0	80.0	18.0	6208	6208-2Z	6208-2RS	29100	17900	8.5	366 g
standard	40.0	80.0	23.0	62208	-	62208-2RS	30700	19000	5.6	440 g
standard	40.0	90.0	23.0	6308	6308-2Z	6308-2RS	40500	24000	7.5	636 g
standard	40.0	90.0	33.0	62308	-	62308-2RS	41000	24000	5.0	890 g
standard	40.0	110.0	27.0	6408	-	-	63000	36000	6.5	1250 g
standard	45.0	75.0	10.0	16009	16009-2Z	16009-2RS	11500	8950	8.5	170 g
standard	45.0	75.0	16.0	6009	6009-2Z	6009-2RS	20900	15200	9.0	241 g
standard	45.0	85.0	19.0	6209	6209-2Z	6209-2RS	31500	20400	7.5	420 g
standard	45.0	85.0	23.0	62209	-	62209-2RS	33200	21600	5.0	480 g
standard	45.0	100.0	25.0	6309	6309-2Z	6309-2RS	53000	32000	6.7	829 g
standard	45.0	100.0	36.0	62309	-	62309-2RS	52700	31500	4.5	1150 g
standard	45.0	120.0	29.0	6409	-	-	75500	44500	5.8	1550 g
standard	50.0	80.0	10.0	16010	16010-2Z	16010-2RS	12000	9650	8.0	180 g
standard	50.0	80.0	16.0	6010	6010-2Z	6010-2RS	21800	16600	8.5	261 g
standard	50.0	90.0	20.0	6210	6210-2Z	6210-2RS	35000	23200	7.1	459 g
standard	50.0	90.0	23.0	62210	-	62210-2RS	35100	23200	4.8	520 g
standard	50.0	110.0	27.0	6310	6310-2Z	6310-2RS	62000	38500	6.0	1060 g
standard	50.0	110.0	40.0	62310	-	62310-2RS	61800	38000	4.3	1550 g

Auch erhältlich in C2, C0 und C3 / Also available in C2, C0 and C3

# Standarddrillenkugellager / Popular Metric Series



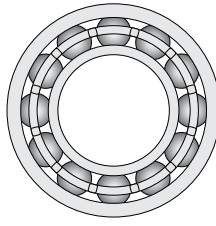
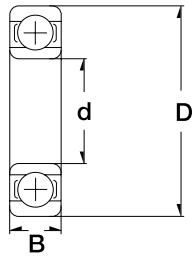
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	Dimension (mm)			Designation/Type			* Load Rating		* Limiting Speed x1000rpm (open & 2Z)	Weight (g) approx.
	d	D	B	Open	2Z	2RS/2TS	C, dyn. N	C, stat. N	Grease	
				Chrome Steel	Chrome Steel	Chrome Steel				
standard	50.0	130.0	31.0	6410	-	-	87000	51500	5.2	1900 g
standard	55.0	90.0	11.0	16011	16011-2Z	16011-2RS	16600	14000	19.0	270 g
standard	55.0	90.0	18.0	6011	6011-2Z	6011-2RS	28500	21200	7.5	410 g
standard	55.0	100.0	21.0	6211	6211-2Z	6211-2RS	43000	29000	6.7	630 g
standard	55.0	120.0	29.0	6311	6311-2Z	6311-2RS	76500	47500	5.3	1430 g
standard	55.0	140.0	33.0	6411	-	-	99500	62000	4.9	2300 g
standard	60.0	95.0	11.0	16012	16012-2Z	16012-2RS	20000	17600	17.0	280 g
standard	60.0	95.0	18.0	6012	6012-2Z	6012-2RS	29000	23200	7.0	430 g
standard	60.0	110.0	22.0	6212	6212-2Z	6212-2RS	52000	36000	6.0	810 g
standard	60.0	130.0	31.0	6312	6312-2Z	6312-2RS	81500	52000	5.0	1790 g
standard	60.0	150.0	35.0	6412	-	-	109000	70000	4.7	2750 g
standard	65.0	100.0	11.0	16013	16013-2Z	16013-2RS	21200	19600	16.0	300 g
standard	65.0	100.0	18.0	6013	6013-2Z	6013-2RS	30500	25000	6.3	460 g
standard	65.0	120.0	23.0	6213	6213-2Z	6213-2RS	60000	41500	5.3	1030 g
standard	65.0	140.0	33.0	6313	6313-2Z	6313-2RS	93000	60000	4.5	2180 g
standard	65.0	160.0	37.0	6413	-	-	120000	77000	4.5	3300 g
standard	70.0	110.0	13.0	16014	16014-2Z	16014-2RS	28000	25000	14.0	440 g
standard	70.0	110.0	20.0	6014	6014-2Z	6014-2RS	38000	31000	14.0	640 g
standard	70.0	125.0	24.0	6214	6214-2Z	6214-2RS	62000	44000	5.0	1110 g
standard	70.0	150.0	35.0	6314	6314-2Z	6314-2RS	104000	68000	4.3	260 g
standard	70.0	170.0	42.0	6414	-	-	145000	99000	3.7	4850 g
standard	75.0	115.0	13.0	16015	16015-2Z	16015-2RS	28500	27000	13.0	460 g
standard	75.0	115.0	20.0	6015	6015-2Z	6015-2RS	39000	33500	12.0	850 g
standard	75.0	130.0	25.0	6215	6215-2Z	6215-2RS	65500	49000	48.0	1210 g
standard	75.0	160.0	37.0	6315	6315-2Z	6315-2RS	114000	76500	7.0	3180 g

Auch erhältlich in C2, C0 und C3 / Also available in C2, C0 and C3



# Standarddrillenkugellager / Popular Metric Series

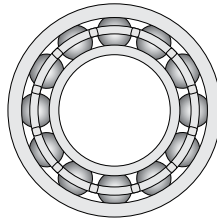
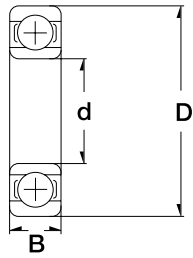


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	Dimension (mm)			Designation/Type			* Load Rating		* Limiting Speed x1000rpm (open & 2Z)	Weight (g) approx.
	d	D	B	Open	2Z	2RS/2TS	C, dyn. N	C, stat. N	Grease	
				Chrome Steel	Chrome Steel	Chrome Steel				
standard	75.0	190.0	45.0	6415	-	-	152000	114000	3.6	6800 g
standard	80.0	125.0	14.0	16016	16016-2Z	16016-2RS	32000	31000	13.0	610 g
standard	80.0	125.0	22.0	6016	6016-2Z	6016 2RS	47500	40000	5.0	890 g
standard	80.0	140.0	26.0	6216	6216-2Z	6216-2RS	72000	54000	4.5	1490 g
standard	80.0	170.0	39.0	6316	6316-2Z	6316-2RS	122000	86500	6.7	3750 g
standard	80.0	200.0	48.0	6416	-	-	164000	126000	3.4	8000 g
standard	85.0	130.0	14.0	16017	16017-2Z	16017-2RS	34000	33500	12.0	670 g
standard	85.0	130.0	22.0	6017	6017-2Z	6017-2RS	49000	43000	4.8	940 g
standard	85.0	150.0	28.0	6217	6217-2Z	6217-2RS	83000	64000	4.3	1910 g
standard	85.0	180.0	41.0	6317	6317-2Z	6317-2RS	132000	96500	6.3	4250 g
standard	90.0	140.0	16.0	16018	16018-2Z	16018-2RS	41500	39000	11.0	870 g
standard	90.0	140.0	24.0	6018	6018-2Z	6018-2RS	58500	50000	4.5	1230 g
standard	90.0	160.0	30.0	6218	6218-2Z	6218-2RS	96500	72000	3.8	2260 g
standard	90.0	190.0	43.0	6318	6318-2Z	6318-2RS	134000	102000	6.0	5530 g
standard	95.0	145.0	16.0	16019	16019-2Z	16019-2RS	40000	40500	11.0	920 g
standard	95.0	145.0	24.0	6019	6019-2Z	6019-2RS	60000	54000	4.2	1290 g
standard	95.0	170.0	32.0	6219	6219-2Z	6219-2RS	108000	81500	3.6	2790 g
standard	95.0	200.0	45.0	6319	6319-2Z	6319-2RS	146000	114000	4.5	7140 g
standard	100.0	150.0	16.0	16020	16020-2Z	16020-2RS	44000	44000	10.0	960 g
standard	100.0	150.0	24.0	6020	6020-2Z	6020-2RS	60000	54000	4.0	1350 g
standard	100.0	180.0	34.0	6220	6220-2Z	6220-2RS	122000	93000	3.4	3660 g
standard	100.0	215.0	47.0	6320	6320-2Z	6320-2RS	163000	134000	4.0	7780 g
standard	110.0	170.0	19.0	16022 (M)	-	-	43000	41500	4.3	1450 g
standard	110.0	170.0	28.0	6022	-	6022-2RS	62500	56000	3.6	1950 g
standard	110.0	200.0	38.0	6222	-	-	111500	99000	2.8	4350 g

Auch erhältlich in C2, C0 und C3 / Also available in C2, C0 and C3

# Standarddrillenkugellager / Popular Metric Series



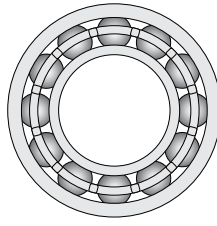
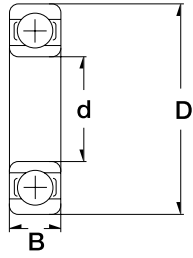
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	Dimension (mm)			Designation/Type			* Load Rating		* Limiting Speed x1000rpm (open & 2Z)	Weight (g) approx.
	standard or flanged	d	D	B	Open	2Z	2RS/2TS	C, dyn. N	C, stat. N	
					Chrome Steel	Chrome Steel	Chrome Steel			
standard	110.0	240.0	50.0	6322	-	-	155500	165000	2.4	9550 g
standard	120.0	180.0	19.0	16024 (M)	-	-	46500	46500	3.8	1600 g
standard	120.0	180.0	28.0	6024	-	6024-2RS	65000	60000	3.2	2050 g
standard	120.0	215.0	40.0	6224	-	-	111500	99000	2.6	5150 g
standard	120.0	260.0	55.0	6324	-	-	159500	165000	2.2	14500 g
standard	130.0	200.0	22.0	16026	-	-	60000	60000	3.6	2350 g
standard	130.0	200.0	33.0	6026	-	6026-2RS	81000	77000	3.0	3150 g
standard	130.0	230.0	40.0	6226	-	-	119500	111000	2.4	5800 g
standard	130.0	280.0	58.0	6326	-	-	175500	192000	2.0	18000 g
standard	140.0	210.0	22.0	16028 (M)	-	-	61000	63000	3.4	2500 g
standard	140.0	210.0	33.0	6028	-	6028-2RS	84500	82000	2.8	3350 g
standard	140.0	250.0	42.0	6228	-	-	126500	121000	2.2	7450 g
standard	140.0	300.0	62.0	6328 (M)	-	-	195500	223000	1.8	22000 g
standard	150.0	225.0	24.0	16030 (M)	-	-	70000	72500	3.0	3150 g
standard	150.0	225.0	35.0	6030 (M)	-	6030-2RS	96000	95500	2.4	4800 g
standard	150.0	270.0	45.0	6230 (M)	-	-	133500	136000	1.8	9400 g
standard	160.0	240.0	25.0	16032 (M)	-	-	75500	79000	2.8	3700 g
standard	160.0	240.0	38.0	6032 (M)	-	6032-2RS	109500	111000	2.2	5900 g
standard	160.0	290.0	48.0	6232 (M)	-	-	142500	145000	1.7	14500 g
standard	170.0	260.0	28.0	16034 (M)	-	-	90500	95500	2.6	5000 g
standard	170.0	260.0	28.0	16034 (M)	-	-	90500	95500	2.6	5000 g
standard	170.0	260.0	42.0	6034 (M)	-	-	128500	133000	2.0	7900 g
standard	170.0	310.0	52.0	6234 (M)	-	-	162500	179000	1.7	17500 g
standard	180.0	280.0	31.0	16036 (M)	-	-	105000	111000	2.4	6600 g
standard	180.0	280.0	31.0	16036 (M)	-	-	105000	111000	2.4	6600 g

Auch erhältlich in C2, C0 und C3 / Also available in C2, C0 and C3



# Standarddrillenkugellager / Popular Metric Series



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standard or flanged	Dimension (mm)			Designation/Type			* Load Rating		* Limiting Speed x1000rpm (open & 2Z)	Weight (g) approx.
	d	D	B	Open	2Z	2RS/2TS	C, dyn. N	C, stat. N	Grease	
				Chrome Steel	Chrome Steel	Chrome Steel				
standard	180.0	280.0	46.0	6036 (M)	-	-	145500	155000	2.0	10500 g
standard	180.0	320.0	52.0	6236 (M)	-	-	175500	195000	1.6	18500 g
standard	190.0	290.0	31.0	16038 (M)	-	-	113000	124000	2.4	7900 g
standard	190.0	290.0	46.0	6038 (M)	-	-	149500	165000	1.8	11000 g
standard	190.0	340.0	55.0	6238 (M)	-	-	195500	231000	1.5	23000 g
standard	200.0	310.0	34.0	16040 (M)	-	-	128000	142000	2.2	8850 g
standard	200.0	310.0	51.0	6040 (M)	-	-	165500	189000	1.7	14000 g
standard	200.0	360.0	58.0	6240 (M)	-	-	207500	249000	1.5	28000 g
standard	220.0	340.0	37.0	16044 (M)	-	-	133000	152000	2.0	11500 g
standard	220.0	340.0	56.0	6044 (M)	-	-	189500	227000	1.6	18500 g
standard	220.0	400.0	65.0	6244 (M)	-	-	227500	289000	1.3	37000 g
standard	240.0	360.0	37.0	16048 (M)	-	-	136000	159000	1.8	14500 g
standard	240.0	360.0	56.0	6048 (M)	-	-	195500	244000	1.5	19500 g
standard	260.0	400.0	44.0	16052 (M)	-	-	182000	231000	1.6	21500 g
standard	260.0	400.0	65.0	6052 (M)	-	-	223500	289000	1.3	29500 g
standard	280.0	420.0	65.0	6056 (M)	-	-	231500	314000	1.2	31000 g
standard	300.0	460.0	74.0	6060 (M)	-	-	274500	389000	1.0	44000 g
standard	320.0	480.0	74.0	6064 (M)	-	-	284500	414000	0.9	46000 g
standard	340.0	520.0	82.0	6068 (M)	-	-	339500	539000	0.8	62000 g

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