Ceramic bearing

Q-ZRO2

Zirconia ZrO2

Low-friction, lightweight, and corrosion-resistant bearing

- *Open bearing*
- *Working temperature: -200°C to +260°C*
- *Materials :*
  - *Balls: ZrO2*
  - *Inner and outer rings: ZrO2*
  - *Cage: PTFE*



Avantages

- *Less susceptible to wear*
- *No lubrication required*
- *Resistance to chemical solvents*
- *Ideal for low and high temperatures*
- *Durability in outdoor environments*
- *Excellent corrosion protection*
- *60% lighter than the steel equivalent*

Applications

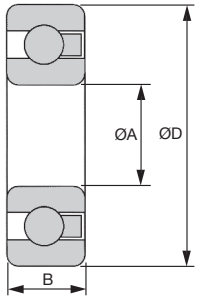
- *For highly corrosive/marine environments*
- *Applications subject to impact (more brittle than steel, but more durable than Si3N4)*
- *Applications requiring high mechanical strength*
- *For mechanical assemblies that must accommodate steel expansion*

DISCOUNTS

Qty	1+	8+	16+
Disc.	List	-5%	On request

Part number	ØA	ØD	B	Dynamic load C1 (N)	Static load C0(N)	Mass (g)	Price each 1 to 7
Q608-ZRO2	8	22	7	1976	827	14	
Q609-ZRO2	9	24	7	2014	866	16	
Q628-ZRO2	8	24	8	2000	854	18	
Q6000-ZRO2	10	26	8	2730	1182	18	
Q6200-ZRO2	10	30	9	3060	1434	32	
Q6300-ZRO2	10	35	11	4860	2070	52	
Q6001-ZRO2	12	28	8	3060	1422	22	
Q6201-ZRO2	12	32	10	4080	1830	37	
Q6301-ZRO2	12	37	12	5820	2520	60	
Q6002-ZRO2	15	32	9	3360	1698	31	
Q6202-ZRO2	15	35	11	4590	2250	45	

Dimensions in mm



DISCOUNTS

Qty	1+	8+	16+
Disc.	List	-5%	On request

Part number	ØA	ØD	B	Dynamic load C1 (N)	Static load C0(N)	Mass (g)	Price each 1 to 7
Q6302-ZRO2	15	42	13	6840	3270	83	
Q6003-ZRO2	17	35	10	3600	1950	41	
Q6203-ZRO2	17	40	12	5730	2880	67	
Q6303-ZRO2	17	47	14	8160	3990	113	
Q6004-ZRO2	20	42	12	5640	3000	68	
Q6204-ZRO2	20	47	14	7680	3960	107	
Q6304-ZRO2	20	52	15	9540	4740	145	
Q6005-ZRO2	25	47	12	6060	3510	79	
Q6205-ZRO2	25	52	15	840	4710	129	
Q6006-ZRO2	30	55	13	7920	4980	116	
Q6206-ZRO2	30	62	16	11700	6780	199	
Q6007-ZRO2	35	62	14	9600	6180	151	
Q6207-ZRO2	35	72	17	15420	9180	284	
Q6008-ZRO2	40	68	15	10080	6900	190	
Q6208-ZRO2	40	80	18	17460	10740	366	
Q6900-ZRO2	10	22	6	1617	764	10	
Q6901-ZRO2	12	24	6	1732	880	11	
Q6802-ZRO2	15	24	5	1244	752	7,4	
Q6803-ZRO2	17	26	5	1340	874	8,2	
Q6804-ZRO2	20	32	7	2409	1477	18	
Q6805-ZRO2	25	37	7	2582	1759	22	
Q6806-ZRO2	30	42	7	2723	2041	27	

Dimensions in mm

Ceramic bearing

Q-SI3N4

Silicon nitride Si3N4

Low-friction, lightweight, and corrosion-resistant bearing

- *Open bearing*
- *Working temperature: -200°C to +260°C*
- *Materials :*
  Balls: Si3N4
  Inner and outer rings: Si3N4
  Cage: PTFE



Avantages

- *Less susceptible to wear*
- *No lubrication required*
- *Resistance to chemical solvents*
- *Ideal for low and high temperatures*
- *Durability in outdoor environments*
- *Excellent corrosion protection*

Applications

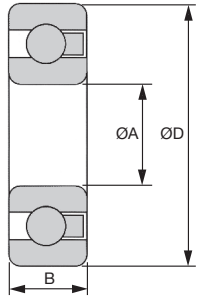
- *For high speeds*
- *For very high temperatures*
- *For applications requiring excellent wear resistance*

DISCOUNTS

Qty	1+	8+	16+
Disc.	List	-5%	On request

Part number	ØA	ØD	B	Dynamic load C1 (N)	Static load C0(N)	Mass (g)	Price each 1 to 7
Q608-SI3N4	8	22	7	1976	827	14	
Q609-SI3N4	9	24	7	2014	866	16	
Q628-SI3N4	8	24	8	2000	854	18	
Q6000-SI3N4	10	26	8	2730	1182	18	
Q6200-SI3N4	10	30	9	3060	1434	32	
Q6300-SI3N4	10	35	11	4860	2070	52	
Q6001-SI3N4	12	28	8	3060	1422	22	
Q6201-SI3N4	12	32	10	4080	1830	37	
Q6301-SI3N4	12	37	12	5820	2520	60	
Q6002-SI3N4	15	32	9	3360	1698	31	
Q6202-SI3N4	15	35	11	4590	2250	45	
Q6302-SI3N4	15	42	13	6840	3270	83	

Dimensions in mm



DISCOUNTS

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Q6007-SI3N4	35	62	14	9600	6180	151	
Q6207-SI3N4	35	72	17	15420	9180	284	
Q6008-SI3N4	40	68	15	10080	6900	190	
Q6208-SI3N4	40	80	18	17460	10740	366	
Q6800-SI3N4	10	19	5	1030	504	5,5	
Q6900-SI3N4	10	22	6	1617	764	10	
Q6801-SI3N4	12	21	5	1149	625	6,3	
Q6901-SI3N4	12	24	6	1732	880	11	
Q6802-SI3N4	15	24	5	1244	752	7,4	
Q6803-SI3N4	17	26	5	1340	874	8,2	
Q6804-SI3N4	20	32	7	2409	1477	18	
Q6805-SI3N4	25	37	7	2582	1759	22	
Q6806-SI3N4	30	42	7	2723	2041	27	
Q6807-SI3N4	35	47	7	2837	2293	30	
Q6808-SI3N4	40	52	7	2954	2507	34	

Dimensions in mm

Our other products



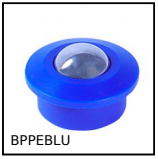
Adjustable ball pin hardened stainless steel, adjustable



Moulded plastic bevel gear (nylon), 1.5:1



Domino 120 adjustable slide, Slide DOMILINE 120 with counter and han...



Ball transfer unit in blue certified plastic, for foodstuff sector



Modular cylindrical brush, Tampico bristles



Small lobed handle, Polyamide



HEAVY DUTY spur gear, Steel 35NCD6



Manual workbench press, Force up to 400kg



Male rod ends , Steel / steel - Economy range



Stainless steel push/pull handle, Stainless steel

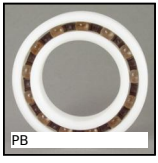


Straight long link stainless steel chain, Stainless steel

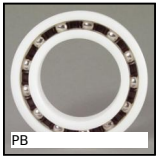


Spur gear - precision range, Pre-hardened Steel 35NCD6

Complementary products



Plastic deep groove ball bearing, Plastic - glass balls material



Plastic deep groove ball bearing, Plastic - balls material : stainle...



Deep groove ball bearing, Stainless steel



Deep groove ball bearing, Stainless steel