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

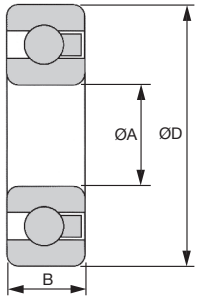
- *For highly corrosive/marine environments*
- *Applications subject to impact (more brittle than steel, but more durable than Si3N4)*
- *Applications requiring high mechanical strength*
- *For mechanical assemblies that must accommodate steel expansion*

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

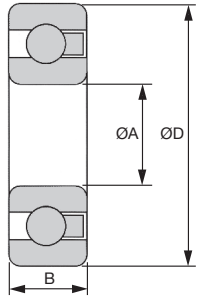
- *For high speeds*
- *For very high temperatures*
- *For applications requiring excellent wear resistance*

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	
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Q6301-SI3N4	12	37	12	5820	2520	60	
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Q6202-SI3N4	15	35	11	4590	2250	45	
Q6302-SI3N4	15	42	13	6840	3270	83	

Dimensions in mm



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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



Plastic spur gear, Machined plastic (delrin)



Small 6 lobe threaded handle - male, Technopolymer - Steel



Linear ball slide - Stainless steel balls, Chariot - from 516 N to 8...



Ball transfer unit housed spring loaded, High



Clamping pin for blind hole, Stainless steel 303



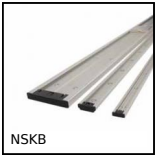
Idler sprocket for slat top chain, Range 882



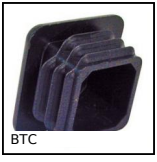
Eco. range steel bevel gear, 4:1



Horizontal hook toggle clamp, Horizontal Hook clamp - stainless steel



Drylin® Rail end cap, Rail end cap



End cap for square tube, Standard

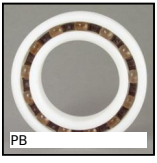


Molded polyamide face-mounted hinge, Black polyamide

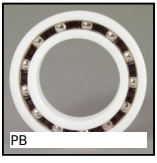


Crossed helical gear crossed axis at 90°, Steel 20NCD2

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