

## Ceramic ball bearings ZrO<sub>2</sub>


**Material:**

Ceramic bearings ZrO<sub>2</sub>.  
Bearing cage PTFE.

**Version:**

Natural, white.

**Sample order:**

nIm 23800-03-00802207

**Note:**

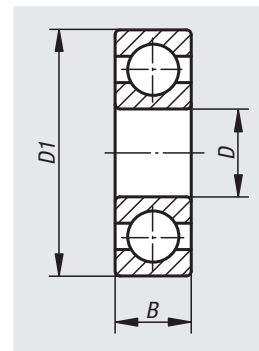
Zirconia (ZrO<sub>2</sub>) is a cost-effective alternative to Si<sub>3</sub>N<sub>4</sub>. It also has the advantage that the thermal expansion is similar to that of steel, which means that a shrink fit is not required as expansion differences between the bearing housing and a steel shaft do not occur.

**On request:**

Special version with PEEK ball cage.  
Without ball cage.

**Safety:**

Reacts with concentrated hydrochloric acid, nitric acid and sulphuric acid.



Order No.	B	D	D1	Dynamic load rating N	Static load rating N	Speed limit rpm
23800-03-02004212	12	20	42	6000	3700	18000
23800-03-01002608	8	10	26	3000	1400	31000
23800-03-01503209	9	15	32	3600	2100	24000
23800-03-01703510	10	17	35	3900	2300	21000
23800-03-01202808	8	12	28	3300	1700	29000
23800-03-03005513	13	30	55	8500	7600	12500
23800-03-02504712	12	25	47	6500	5800	15000
23800-03-00802207	7	8	22	2000	1000	37000