CERAMIC BEARINGS

Consolidated Bearings Company is pleased to announce our new line of Full Ceramic Deep Groove Ball Bearings. These bearings are manufactured from full ceramic materials and have many advantages over steel bearings. Full Ceramic bearings have both ceramic balls and races. Due to smoother inner and outer races, these bearings create less friction while being more durable and less sensitive to moisture. Ceramic bearings are ideal for use in tough, destructive applications where they are subject to high temperatures and corrosion.

WE ARE PROUD TO OFFER CERAMIC BALL BEARINGS THAT ARE:

Non-Conductive
High Temp (up to 180° C and higher, depending on material)
Corrosion Resistant (Water, Salt Water)
Light Weight (Ceramic is considerably lighter than Steel)

MANUFACTURED FROM:

Silicon Nitride (Si3N4)
Zirconia Oxide (ZrO2)
Alumina Oxide (Al2O3)
Silicon Carbide (SiC)

Ceramic has an extremely smooth surface and is ideal for applications where reducing friction is critical. Ceramic balls are harder than steel balls and require little to no lubrication, thus increasing bearing life. Ceramic bearings generate less heat than their steel counterparts. Retainers are typically manufactured from PTFE or PEEK, however Ceramic Bearings are also available in full complement style with no retainer.

Consolidated Bearings Company currently stocks the 600, 6000, 6200, 6300 and R Series Radial Full Ceramic Bearings with PTFE Cages. We also offer Ceramic Hybrid bearings and other Ceramic bearings utilizing the above-mentioned materials to meet all of your requirements.

PART NUMBER	MATERIAL (RINGS/BALLS/CAGE)
CB600 MINIATURE	ZrO_2/ZrO_2/PTFE
CB6000	ZrO_2/ZrO_2/PTFE
CB6200	ZrO_2/ZrO_2/PTFE
CB6300	ZrO_2/ZrO_2/PTFE
CBR (INCH)	ZrO_2/ZrO_2/PTFE

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SCHAEFFLER AUTHORIZED DISTRIBUTOR

PTDA

CERTIFIED ISO 9001:2015 COMPANY

PART NUMBER	MATERIAL (RINGS/BALLS/CAGE)	PART NUMBER	MATERIAL (RINGS/BALLS/CAGE)
CB607	ZrO_2/ZrO_2/PTFE	CB6205	ZrO_2/ZrO_2/PTFE
CB608	ZrO_2/ZrO_2/PTFE	CB6206	ZrO_2/ZrO_2/PTFE
CB609	ZrO_2/ZrO_2/PTFE	CB6207	ZrO_2/ZrO_2/PTFE
CB626	ZrO_2/ZrO_2/PTFE	CB6208	ZrO_2/ZrO_2/PTFE
CB627	ZrO_2/ZrO_2/PTFE	CB6300	ZrO_2/ZrO_2/PTFE
CB628	ZrO_2/ZrO_2/PTFE	CB6301	ZrO_2/ZrO_2/PTFE
CB6000	ZrO_2/ZrO_2/PTFE	CB6302	ZrO_2/ZrO_2/PTFE
CB6001	ZrO_2/ZrO_2/PTFE	CB6303	ZrO_2/ZrO_2/PTFE
CB6002	ZrO_2/ZrO_2/PTFE	CB6304	ZrO_2/ZrO_2/PTFE
CB6003	ZrO_2/ZrO_2/PTFE	CB6305	ZrO_2/ZrO_2/PTFE
CB6004	ZrO_2/ZrO_2/PTFE	CB6306	ZrO_2/ZrO_2/PTFE
CB6005	ZrO_2/ZrO_2/PTFE	CB6307	ZrO_2/ZrO_2/PTFE
CB6006	ZrO_2/ZrO_2/PTFE	CB6308	ZrO_2/ZrO_2/PTFE
CB6007	ZrO_2/ZrO_2/PTFE	CBR4	ZrO_2/ZrO_2/PTFE
CB6008	ZrO_2/ZrO_2/PTFE	CBR6	ZrO_2/ZrO_2/PTFE
CB6200	ZrO_2/ZrO_2/PTFE	CBR8	ZrO_2/ZrO_2/PTFE
CB6201	ZrO_2/ZrO_2/PTFE	CBR10	ZrO_2/ZrO_2/PTFE
CB6202	ZrO_2/ZrO_2/PTFE	CBR12	ZrO_2/ZrO_2/PTFE
CB6203	ZrO_2/ZrO_2/PTFE	CBR16	ZrO_2/ZrO_2/PTFE
CB6204	ZrO_2/ZrO_2/PTFE