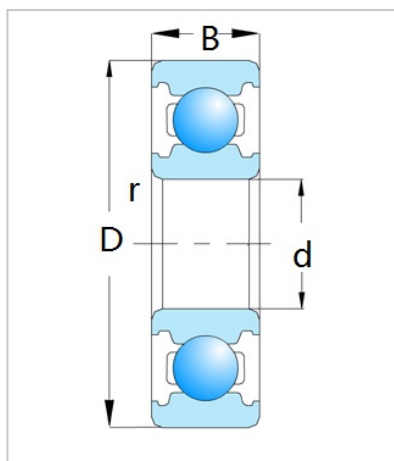


Deep Groove Ball Bearing

6000 Series-6003 ZZ,6003 RS,6003



Bearing Designation

Open	6003
RS	6003 RS
ZZ	6003 ZZ
Dimension [mm]	
re	17
re	35
segundo	10
rs min	0.3
Basic load ratings (kN)	
cr	6.8
cor	3.35
Speed ratings(rpm)	
Grasa	2000
Petróleo	2400
Peso	
(Kg)	0.039

Main dimensions according to DIN 625-1. Ball bearings of the extra-light 60 series can still support radial loads despite their low weight. Compared to deep groove ball bearings of the 63 medium series they require a smaller installation space at the same inside diameter, only weigh half of them and allow higher speeds.

A standard internal clearance (CN) is suitable for the operation of the bearing in case of ordinary temperatures and for customary fits. An increased internal clearance (C3) is recommendable in case of high temperature gradients between the rings or in case of fixing the bearing through a press fit.

Seals

Plastic seals (RS/2RS) have the optimum sealing action with increased friction. Metal seals (Z/ZZ) are suitable for higher speeds, but they have a limited sealing action as they seal contactless. Open, seal-less bearings are suitable for extremely high speeds and - furthermore - they can be regreased more easily. However, they are more susceptible to soiling.

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