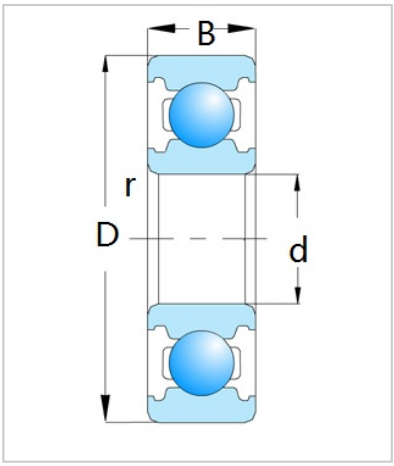
Deep Groove Ball Bearing

6300 Series-6301





Bearing Designation	
Open	**6301**
RS	6301 RS
ZZ	6301 ZZ
Dimension（mm）	
d	12
D	37
B	12
rs min	**1**
Basic load ratings (kN)	
Cr	9.7
Cor	4.2
Speed ratings(rpm)	
Grease	20000
Oil	24000
Weight	
(Kg)	0.06

Special feature of this series

Ball bearings of the 62 light series support relatively high radial load-ratings despite their reduced weight. Compared to deep groove ball bearings of the 64 series they require a smaller installation space at the same inside diameter by their relatively small outside diameter and allow slightly higher speeds furthermore.

Internal clearance

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 easily. However, they are more susceptible to soiling.

Luoyang Auto Bearing Co.,Ltd-Tel:0598-3607100-Email:moore@lyautobearing.com-http://www.auto-bearing.com