



**Bearing No. 6307N**

D	80 mm
d	35 mm
B	21 mm
C	21 mm
a	3.28 mm
b	1.9 mm
r1	0.5 mm
D1	76.81 mm
Width	21 mm
Weight	0.457 Kg
r min.	1.5 mm
r1 min.	0.5 mm
a (max)	3.3 mm
da (min)	44 mm
Cy (max)	4.6 mm
Da (max)	71 mm
Dx (min)	88 mm
ra (max)	1.5 mm
Factor fo	13.2
Bore Type	Cylindrical Bore
Enclosure	Open
Size (mm)	35x80x21
Bore Size	35 mm
Width (mm)	21
Groove Width	1.9 mm
Configuration	Single Row
Bearing number	6307N
Groove Diameter	76.8 mm
Outside Diameter	80 mm
Radial Clearance	0.006 to 0.020 mm

Static Load Rating	19,100 N
Bore Diameter (mm)	35
Dynamic Load Rating	33,500 N
Outer Diameter (mm)	80
Limiting Speed - Oil	10,000 rpm
Fillet Radius/Chamfer	1.5 mm
Limiting Speed - Grease	8,800 rpm
(Grease) Lubrication Speed	8400 r/min
Basic static load rating (C0)	19,1 kN
Basic dynamic load rating (C)	33,5 kN