



Technical information

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	31 mm	Width
C _r	108,000 N	Basic dynamic load rating, radial
C _{0r}	98,000 N	Basic static load rating, radial
C _{ur}	17,700 N	Fatigue load limit, radial
n _G	16,400 1/min	Limiting speed
n _{gr}	6,600 1/min	Reference speed
	0.794 kg	Weight

Mounting dimensions

d _{a min}	42 mm	Minimum diameter shaft shoulder
d _{a max}	45 mm	Maximum diameter of shaft shoulder
d _{b min}	48 mm	Minimum shaft shoulder
D _{a max}	71 mm	Maximum diameter of housing shoulder
r _{a max}	1.5 mm	Maximum recess radius
r _{a1 max}	1 mm	Maximum recess radius

Dimensions

r _{min}	1.5 mm	Minimum chamfer dimension
r _{1 min}	1.1 mm	Minimum chamfer dimension
s	2.1 mm	Axial displacement
E	70.2 mm	Raceway diameter outer ring
F	46.2 mm	Raceway diameter inner ring
D _{1 min}	66.64 mm	Minimum rib diameter outer ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.



