



FAG

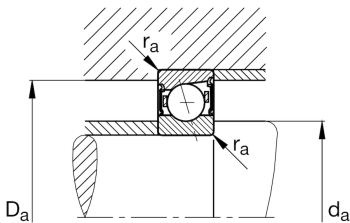
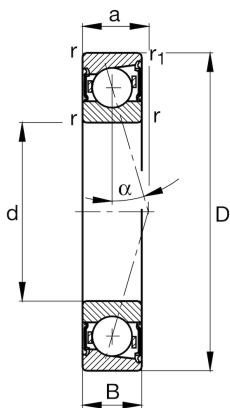
B7002-C-2RSD-T-P4S-UL

Spindle bearing

Schaeffler ID:
0214445950000

Spindle bearings B70...-C-2RSD, adjusted, in pairs or sets, contact angle $\alpha = 15^\circ$, lip seals on both sides, non-contact, restricted tolerances

Technical information



Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	32 mm	Outside diameter
B	9 mm	Width
C _r	6.100 N	Basic dynamic load rating, radial
C _{0r}	2.410 N	Basic static load rating, radial
C _{ur}	255 N	Fatigue load limit, radial
n _{G Grease}	53.000 1/min	Limiting speed for grease lubrication
	30 g	Weight

Mounting dimensions

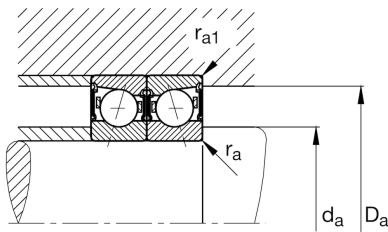
d _a	19 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	29 mm	Shoulder diameter outer ring
D _a	H12	Shoulder diameter outer ring clearance
r _{a max}	0,3 mm	Maximum recess radius
r _{a1 max}	0,1 mm	Maximum recess radius
a	7,6 mm	Distance between the apexes of the pressure cones

Dimensions

r _{min}	0,3 mm	Minimum chamfer dimension
r _{1 min}	0,3 mm	Minimum chamfer dimension
α	15 °	Contact angle

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	80 °C	Operating temperature max.



Additional information

F_{VL}	27 N	Preload force light
F_{VM}	99 N	Preload force medium
F_{VH}	204 N	Preload force heavy
K_{aEL}	84 N	Lift-off force light
K_{aEM}	332 N	Lift-off force medium
K_{aEH}	733 N	Lift-off force heavy
c_{aL}	16,6 N/μm	Axial rigidity light
c_{aM}	29,7 N/μm	Axial rigidity medium
c_{aH}	43 N/μm	Axial rigidity heavy