

FAG

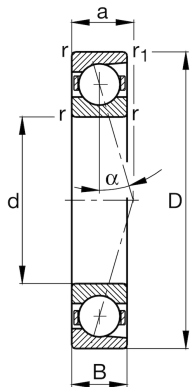
B7010-C-T-P4S-UL

Spindle bearing

Schaeffler ID:
0190035600000

Spindle bearings B70...-C, adjusted, in pairs or sets, contact angle $\alpha = 15^\circ$, restricted tolerances

Technical information



Main Dimensions & Performance Data

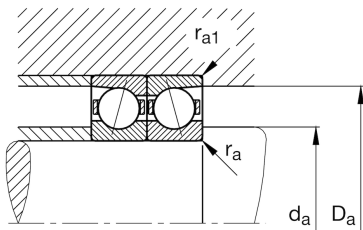
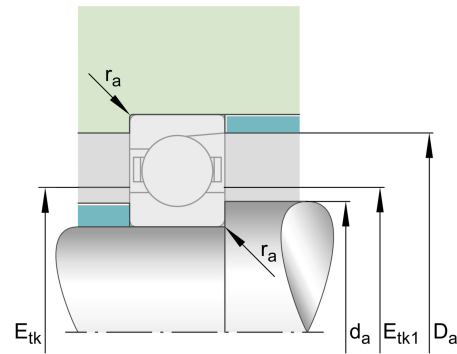
d	50 mm	Bore diameter
D	80 mm	Outside diameter
B	16 mm	Width
C _r	29.000 N	Basic dynamic load rating, radial
C _{0r}	16.100 N	Basic static load rating, radial
C _{ur}	1.710 N	Fatigue load limit, radial
n _{G Grease}	18.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	28.000 1/min	Limiting speed for oil lubrication
	0,25 kg	Weight

Dimensions

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

Mounting dimensions

d _a	56 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	74 mm	Shoulder diameter outer ring
D _a	H12	Shoulder diameter outer ring clearance
r _{a max}	1 mm	Maximum recess radius
r _{a1 max}	0,3 mm	Maximum recess radius
E _{tk min}	59,3 mm	Minimum diameter injection pitch
E _{tk max}	62,3 mm	Maximum diameter injection pitch
E _{tk1 min}	59,3 mm	Minimum diameter injection pitch
E _{tk1 max}	62,3 mm	Maximum diameter injection pitch
a	16,7 mm	Distance between the apexes of the pressure cones



Additional information

F_{VL}	148 N	Preload force light
F_{VM}	493 N	Preload force medium
F_{VH}	994 N	Preload force heavy
K_{aEL}	459 N	Lift-off force light
K_{aEM}	1.659 N	Lift-off force medium
K_{aEH}	3.579 N	Lift-off force heavy
c_{aL}	52,3 N/ μ m	Axial rigidity light
c_{aM}	90,5 N/ μ m	Axial rigidity medium
c_{aH}	130 N/ μ m	Axial rigidity heavy