

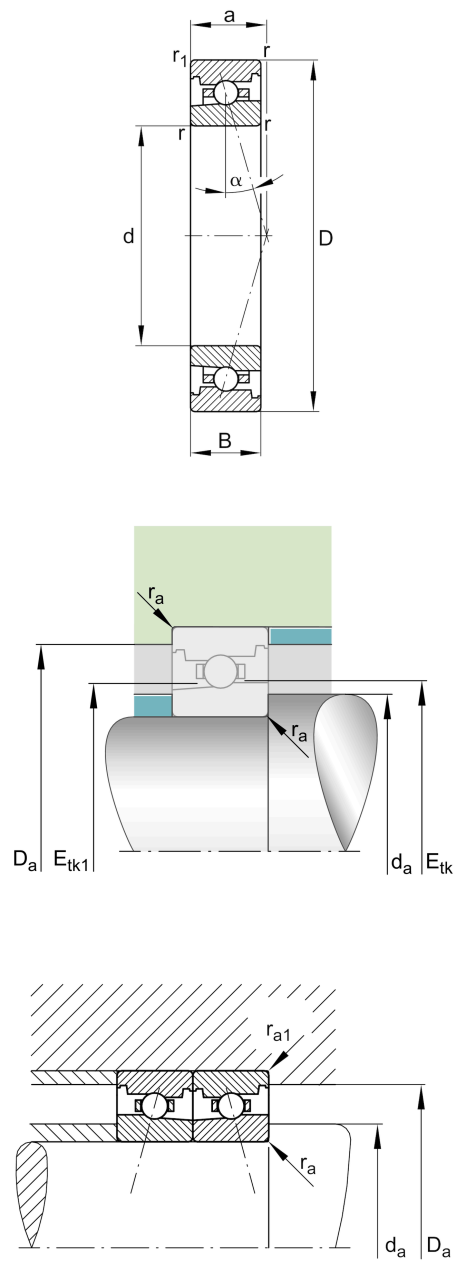
FAG

HS7017-C-T-P4S-UL
Angular contact ball bearing

Schaeffler ID:
0191843360000

Spindle bearings HS70...-C, adjusted,
in pairs or sets, contact angle $\alpha = 15^\circ$,
restricted tolerances

Technical information



Main Dimensions & Performance Data

d	85 mm	Bore diameter
D	130 mm	Outside diameter
B	22 mm	Width
C _r	30.500 N	Basic dynamic load rating, radial
C _{0r}	22.700 N	Basic static load rating, radial
C _{ur}	2.320 N	Fatigue load limit, radial
n _{G Grease}	15.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	22.000 1/min	Limiting speed for oil lubrication
	0,837 kg	Weight

Dimensions

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

Mounting dimensions

d _a	93 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	122 mm	Shoulder diameter outer ring
D _a	H12	Shoulder diameter outer ring clearance
r _{a max}	1 mm	Maximum recess radius
r _{a1 max}	0,6 mm	Maximum recess radius
E _{tk min}	102,3 mm	Minimum diameter injection pitch
E _{tk max}	104,7 mm	Maximum diameter injection pitch
E _{tk1 min}	99 mm	Minimum diameter injection pitch
E _{tk1 max}	104,7 mm	Maximum diameter injection pitch
a	25,4 mm	Distance between the apexes of the pressure cones

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.

Additional information

F _{VL}	107 N	Preload force light
F _{VM}	322 N	Preload force medium
F _{VH}	643 N	Preload force heavy
K _{aEL}	320 N	Lift-off force light
K _{aEM}	1.006 N	Lift-off force medium
K _{aEH}	2.093 N	Lift-off force heavy
c _{aL}	60,3 N/μm	Axial rigidity light
c _{aM}	94,4 N/μm	Axial rigidity medium
c _{aH}	129 N/μm	Axial rigidity heavy