



FAG

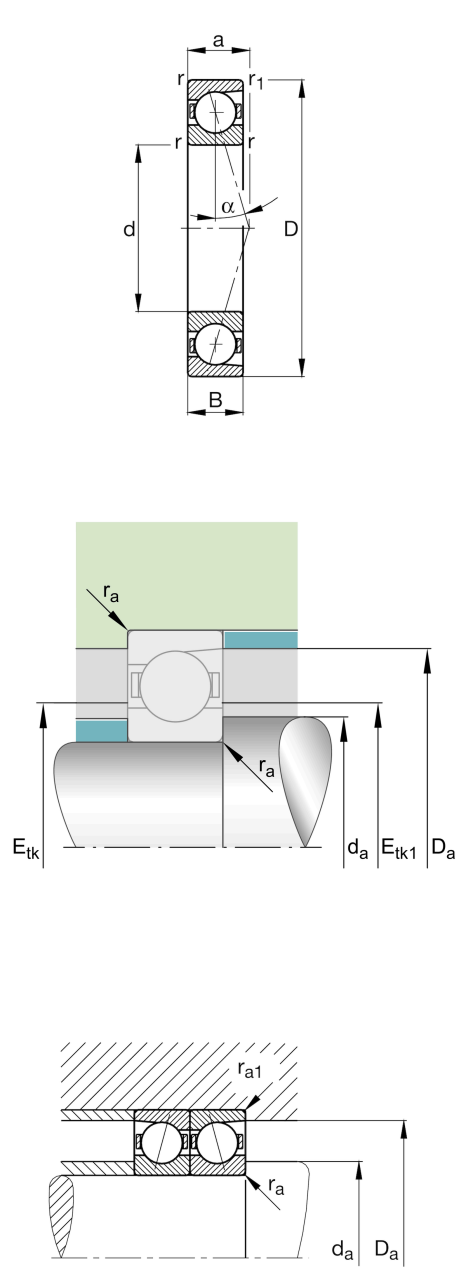
B7217-C-T-P4S-UL

Spindle bearing

Schaeffler ID:
0191572070000

Spindle bearings B72...-C, adjusted, in pairs or sets, contact angle $\alpha = 15^\circ$, restricted tolerances

Technical information



Main Dimensions & Performance Data

d	3,346 in	Bore diameter
D	5,906 in	Outside diameter
B	1,102 in	Width
C _r	21.807,554 lbf	Basic dynamic load rating, radial
C _{0r}	13.264,388 lbf	Basic static load rating, radial
C _{ur}	1.303,957 lbf	Fatigue load limit, radial
n _{G Grease}	9.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	15.000 1/min	Limiting speed for oil lubrication
	3,929 lbs	Weight

Mounting dimensions

d _a	3,858 in	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	5,433 in	Shoulder diameter outer ring
D _a	H12	Shoulder diameter outer ring clearance
r _{a max}	0,079 in	Maximum recess radius
r _{a1 max}	0,039 in	Maximum recess radius
E _{tk min}	4,197 in	Minimum diameter injection pitch
E _{tk max}	4,457 in	Maximum diameter injection pitch
E _{tk1 min}	4,197 in	Minimum diameter injection pitch
E _{tk1 max}	4,457 in	Maximum diameter injection pitch
a	1,173 in	Distance between the apexes of the pressure cones

Dimensions

r _{min}	0,079 in	Minimum chamfer dimension
r _{1 min}	0,079 in	Minimum chamfer dimension
α	15 °	Contact angle

Temperature range

T _{min}	-22 °F	Operating temperature min.
T _{max}	212 °F	Operating temperature max.

Additional information

F _{VL}	127,698 lbf	Preload force light
F _{VM}	401,529 lbf	Preload force medium
F _{VH}	796,763 lbf	Preload force heavy
K _{aEL}	395,459 lbf	Lift-off force light
K _{aEM}	1.345,099 lbf	Lift-off force medium
K _{aEH}	2.852,518 lbf	Lift-off force heavy
c _{aL}	99,1 N/μm	Axial rigidity light
c _{aM}	167 N/μm	Axial rigidity medium
c _{aH}	238 N/μm	Axial rigidity heavy