



FAG

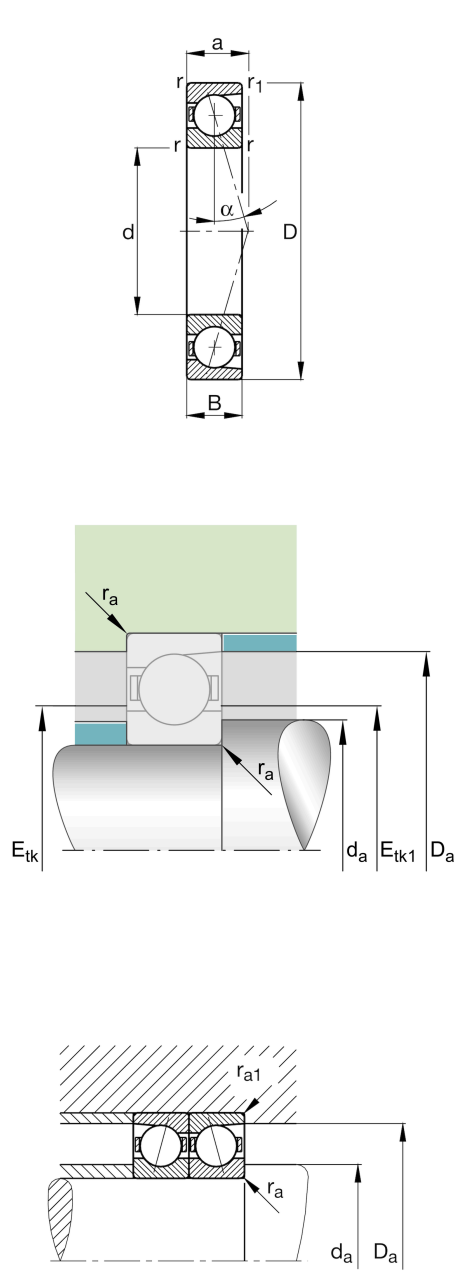
B71916-C-T-P4S-UL

Spindle bearing

Schaeffler ID:
0191544530000

Spindle bearings B719..-C, adjusted, in pairs or sets, contact angle $\alpha = 15^\circ$, restricted tolerances

Technical information



Main Dimensions & Performance Data

d	3,15 in	Bore diameter
D	4,331 in	Outside diameter
B	0,63 in	Width
C _r	7.981,115 lbf	Basic dynamic load rating, radial
C _{0r}	5.732,914 lbf	Basic static load rating, radial
C _{ur}	607,014 lbf	Fatigue load limit, radial
n _{G Grease}	12.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	19.000 1/min	Limiting speed for oil lubrication
	12,783 oz	Weight

Mounting dimensions

d _a	3,386 in	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	4,094 in	Shoulder diameter outer ring
D _a	H12	Shoulder diameter outer ring clearance
r _{a max}	0,024 in	Maximum recess radius
r _{a1 max}	0,012 in	Maximum recess radius
E _{tk min}	3,516 in	Minimum diameter injection pitch
E _{tk max}	3,63 in	Maximum diameter injection pitch
E _{tk1 min}	3,516 in	Minimum diameter injection pitch
E _{tk1 max}	3,63 in	Maximum diameter injection pitch
a	0,815 in	Distance between the apexes of the pressure cones

Dimensions

r _{min}	0,039 in	Minimum chamfer dimension
r _{1 min}	0,039 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}	39,119 lbf	Preload force light
F _{VM}	132,869 lbf	Preload force medium
F _{VH}	271,133 lbf	Preload force heavy
K _{aEL}	119,604 lbf	Lift-off force light
K _{aEM}	439,299 lbf	Lift-off force medium
K _{aEH}	957,059 lbf	Lift-off force heavy
c _{aL}	69,9 N/μm	Axial rigidity light
c _{aM}	121 N/μm	Axial rigidity medium
c _{aH}	173 N/μm	Axial rigidity heavy