



FAG

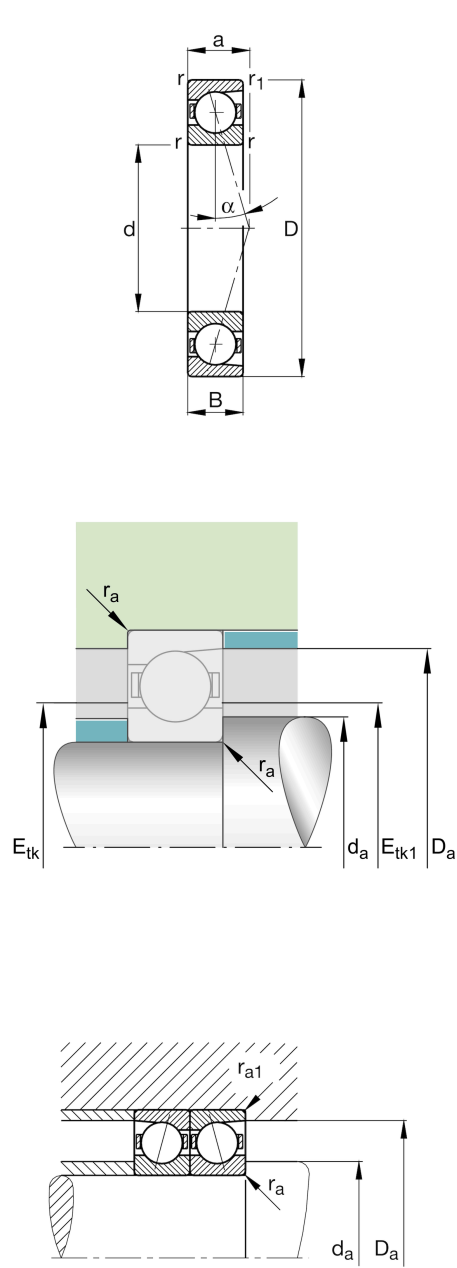
B71919-E-T-P4S-UL

Spindle bearing

Schaeffler ID:
0191547980000

Spindle bearing B719...-E, adjusted, in pairs or sets, contact angle $\alpha = 25^\circ$, restricted tolerances

Technical information



Main Dimensions & Performance Data

d	3,74 in	Bore diameter
D	5,118 in	Outside diameter
B	0,709 in	Width
C _r	10.341,727 lbf	Basic dynamic load rating, radial
C _{0r}	7.756,295 lbf	Basic static load rating, radial
C _{ur}	775,629 lbf	Fatigue load limit, radial
n _{G Grease}	9.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	14.000 1/min	Limiting speed for oil lubrication
	1,259 lbs	Weight

Mounting dimensions

d _a	4,016 in	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	4,882 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}	0,024 in	Maximum recess radius
E _{tk min}	4,169 in	Minimum diameter injection pitch
E _{tk max}	4,299 in	Maximum diameter injection pitch
E _{tk1 min}	4,169 in	Minimum diameter injection pitch
E _{tk1 max}	4,299 in	Maximum diameter injection pitch
a	1,386 in	Distance between the apexes of the pressure cones

Dimensions

r _{min}	0,043 in	Minimum chamfer dimension
r _{1 min}	0,043 in	Minimum chamfer dimension
α	25 °	Contact angle

Temperature range

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

Additional information

F _{V L}	76,664 lbf	Preload force light
F _{V M}	283,723 lbf	Preload force medium
F _{V H}	605,441 lbf	Preload force heavy
K _{aE L}	222,122 lbf	Lift-off force light
K _{aE M}	849,146 lbf	Lift-off force medium
K _{aE H}	1.868,93 lbf	Lift-off force heavy
c _{a L}	196 N/μm	Axial rigidity light
c _{a M}	319 N/μm	Axial rigidity medium
c _{a H}	434 N/μm	Axial rigidity heavy