



FAG

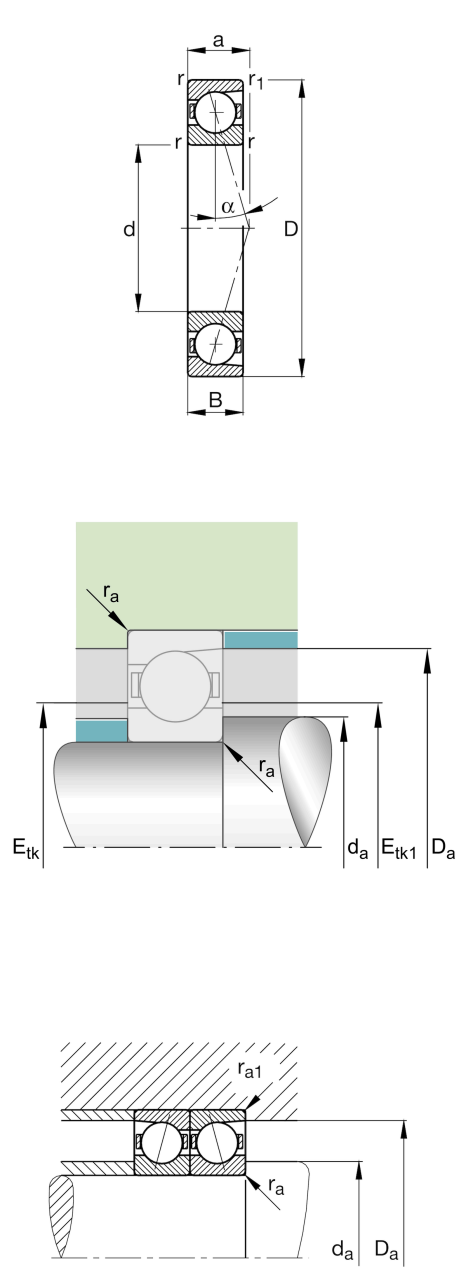
B71917-C-T-P4S-UL

Spindle bearing

Schaeffler ID:
0191545690000

Spindle bearings B719..-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	4,724 in	Outside diameter
B	0,709 in	Width
C _r	10.566,547 lbf	Basic dynamic load rating, radial
C _{0r}	7.531,475 lbf	Basic static load rating, radial
C _{ur}	786,871 lbf	Fatigue load limit, radial
n _{G Grease}	11.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	17.000 1/min	Limiting speed for oil lubrication
	1,199 lbs	{Weight}

Mounting dimensions

d _a	3,622 in	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	4,488 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}	3,776 in	Minimum diameter injection pitch
E _{tk max}	3,909 in	Maximum diameter injection pitch
E _{tk1 min}	3,776 in	Minimum diameter injection pitch
E _{tk1 max}	3,909 in	Maximum diameter injection pitch
a	0,894 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	15 °	Contact angle

Temperature range

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

Additional information

F _{VL}	53,282 lbf	Preload force light
F _{VM}	177,158 lbf	Preload force medium
F _{VH}	359,038 lbf	Preload force heavy
K _{aEL}	163,219 lbf	Lift-off force light
K _{aEM}	586,556 lbf	Lift-off force medium
K _{aEH}	1.268,885 lbf	Lift-off force heavy
C _{aL}	79,7 N/μm	Axial rigidity light
C _{aM}	136 N/μm	Axial rigidity medium
C _{aH}	195 N/μm	Axial rigidity heavy