



FAG

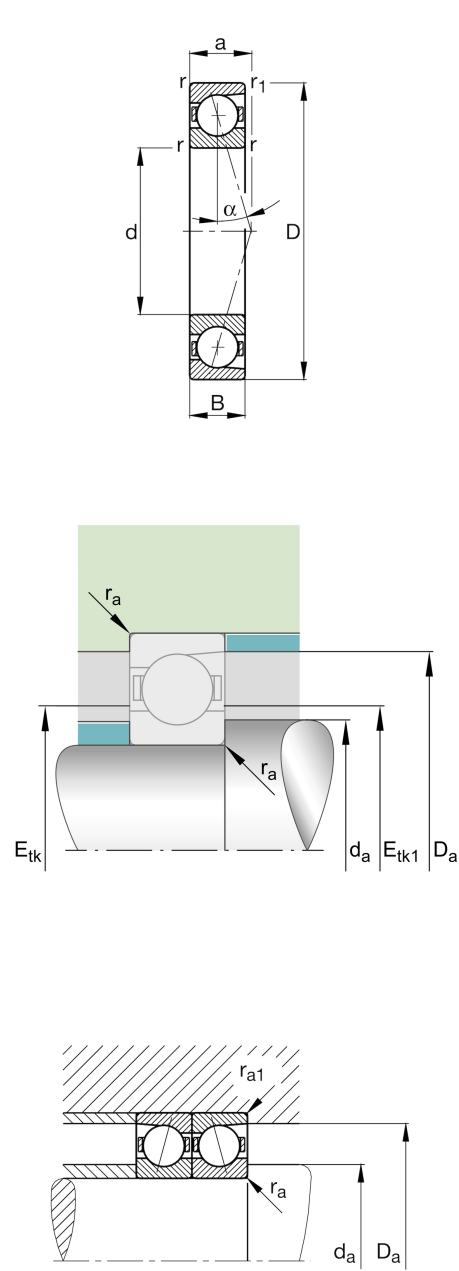
B7204-C-T-P4S-UL

Spindle bearing

Materiálové číslo Schaeffler:
0191559560000

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

Technické informace



Main Dimensions & Performance Data

d	[20] mm	Bore diameter
D	[47] mm	Outside diameter
B	[14] mm	Width
C _r	[17.200] N	Basic dynamic load rating, radial
C _{0r}	[8.000] N	Basic static load rating, radial
C _{ur}	[850] N	Fatigue load limit, radial
n _{G Grease}	[32.000] 1/min	Limiting speed for grease lubrication
n _{G Oil}	[48.000] 1/min	Limiting speed for oil lubrication
	[0,11] kg	\$_{Hmotnost}\$

Mounting dimensions

d _a	[26,5] mm	Diameter shaft shoulder
d _a	[h12]	Diameter shaft shoulder clearance
D _a	[40,5] mm	Shoulder diameter outer ring
D _a	[H12]	Shoulder diameter outer ring clearance
r _{a max}	[1] mm	Maximum recess radius
r _{a1 max}	[0,3] mm	Maximum recess radius
E _{tk min}	[29,6] mm	Minimum diameter injection pitch
E _{tk max}	[31,7] mm	Maximum diameter injection pitch
E _{tk1 min}	[29,6] mm	Minimum diameter injection pitch
E _{tk1 max}	[31,7] mm	Maximum diameter injection pitch
a	[11,5] mm	Distance between the apexes of the pressure cones

Dimensions

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

Temperature range

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

Additional information

F _{VL}	[75] N	Preload force light
F _{VM}	[248] N	Preload force medium
F _{VH}	[496] N	Preload force heavy
K _{aEL}	[234] N	Lift-off force light
K _{aEM}	[851] N	Lift-off force medium
K _{aEH}	[1.828] N	Lift-off force heavy
c _{aL}	[28,1] N/μm	Axial rigidity light
c _{aM}	[49,3] N/μm	Axial rigidity medium
c _{aH}	[71,1] N/μm	Axial rigidity heavy