

FAG

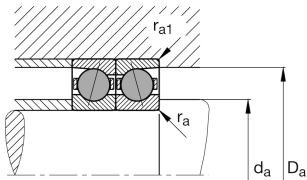
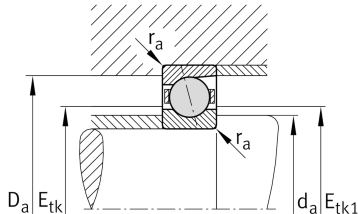
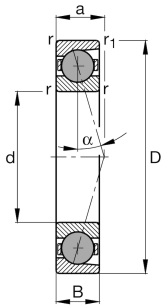
HCB7014-C-T-P4S-UL

Spindle bearing

Spindle bearing HCB70...-C, adjusted, in pairs or sets, contact angle $\alpha = 15^\circ$, with ceramic balls, restricted tolerances

Materiálové číslo Schaeffler: 0380672690000

Technické informace



Vaše aktuální varianta produktu

Contact angle	C	Contact angle 15°
Sealing	Without	Not sealed
Cage	T	Laminated fabric cage
Tolerance class	P4S	Tolerance class P4S, FAG standard better than P4 to DIN 620
Arrangement bearing set	U	Single bearing
Preload	L	Preload light

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	110 mm	Outside diameter
B	20 mm	Width
C _r	50.000 N	Basic dynamic load rating, radial
C _{0r}	29.500 N	Basic static load rating, radial
C _{ur}	2.360 N	Fatigue load limit, radial
n _{G Grease}	18.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	28.000 1/min	Limiting speed for oil lubrication
≈m	0,486 kg	Hmotnost



Mounting dimensions

d _a	77 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	102 mm	Shoulder diameter outer ring
D _a	H12	Shoulder diameter outer ring clearance
r _a max	1 mm	Maximum recess radius
r _{a1} max	0,6 mm	Maximum recess radius
E _{tk} min	82,4 mm	Minimum diameter injection pitch
E _{tk} max	86,7 mm	Maximum diameter injection pitch
E _{tk1} min	82,4 mm	Minimum diameter injection pitch
E _{tk1} max	86,7 mm	Maximum diameter injection pitch
a	22,1 mm	Distance between the apexes of the pressure cones

Dimensions

r _{min}	1,1 mm	Minimum chamfer dimension
r ₁ min	1,1 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}	139 N	Preload force light
F_{VM}	487 N	Preload force medium
F_{VH}	1.014 N	Preload force heavy
K_{aEL}	414 N	Lift-off force light
K_{aEM}	1.538 N	Lift-off force medium
K_{aEH}	3.380 N	Lift-off force heavy
c_{aL}	62 N/ μ m	Axial rigidity light
c_{aM}	105 N/ μ m	Axial rigidity medium
c_{aH}	147 N/ μ m	Axial rigidity heavy

Vlastnosti

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F_r Radiální zatížení
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F_a Axiální zatížení v jednom směru
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Mazání (plastickým mazivem)
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Mazání olejem
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Neutěsněné