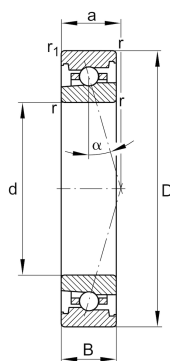
**FAG****HS71920-C-T-P4S-UL**

High speed spindle bearing

High speed spindle bearing HS719...-C,
adjusted, in pairs or sets, contact angle $\alpha = 15^\circ$, restricted tolerances

Informacje techniczne



Twoja aktualna wersja 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 ISO 492:2023
Arrangement bearing set	U	Single bearing
Preload class	L	Preload light

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	140 mm	Outside diameter
B	20 mm	Width
C_r	28.500 N	Basic dynamic load rating, radial
C_{0r}	23.500 N	Basic static load rating, radial
C_{ur}	2.270 N	Fatigue load limit, radial
n_G Grease	13.000 1/min	Limiting speed for grease lubrication
n_G Oil	20.000 1/min	Limiting speed for oil lubrication
n_G	20.000 1/min	Limiting speed
$\approx m$	0,824 kg	Masa





Mounting dimensions

d _a	107 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	133 mm	Shoulder diameter outer ring
D _a	H12	Shoulder diameter outer ring clearance
r _a max	0,6 mm	Maximum recess radius
r _{a1} max	0,6 mm	Maximum recess radius
E _{tk} min	115,2 mm	Minimum diameter injection pitch
E _{tk} max	116,9 mm	Maximum diameter injection pitch
E _{tk1} min	112,3 mm	Minimum diameter injection pitch
E _{tk1} max	116,9 mm	Maximum diameter injection pitch
a	26,1 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}	97 N	Preload force light
F_{VM}	291 N	Preload force medium
F_{VH}	583 N	Preload force heavy
K_{aEL}	289 N	Lift-off force light
K_{aEM}	906 N	Lift-off force medium
K_{aEH}	1.883 N	Lift-off force heavy
c_{aL}	65 N/μm	Axial rigidity light
c_{aM}	101 N/μm	Axial rigidity medium
c_{aH}	137 N/μm	Axial rigidity heavy

Właściwości

- 

Obciążenie promieniowe
- 

Obciążenie osiowe jednokierunkowe
- 

Smarowanie smarem
- 

Smarowanie olejem
- 

Bez uszczelnienia