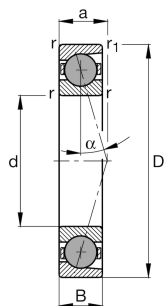
**FAG****HC71903-E-T-P4S-UL**

High speed spindle bearing

High speed spindle bearing HC719...-E,
adjusted, in pairs or sets, contact angle $\alpha =$
 25° , with ceramic balls, restricted tolerances

Informacje techniczne

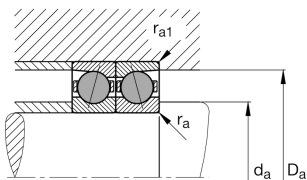
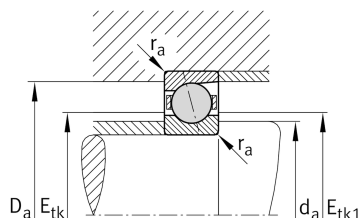


Twoja aktualna wersja produktu

Preload class	L	Preload light
Contact angle	E	Contact angle 25°
Type of Seal	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

Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	30 mm	Outside diameter
B	7 mm	Width
C_r	2.480 N	Basic dynamic load rating, radial
C_{0r}	1.030 N	Basic static load rating, radial
C_{ur}	83 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	80.000 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	120.000 1/min	Limiting speed for oil lubrication
$\approx m$	18 g	Masa





Mounting dimensions

d _a	20 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	27,5 mm	Shoulder diameter outer ring
D _a	H12	Shoulder diameter outer ring clearance
r _a max	0,3 mm	Maximum recess radius
r _{a1} max	0,1 mm	Maximum recess radius
E _{tk} min	21,9 mm	Minimum diameter injection pitch
E _{tk} max	22,4 mm	Maximum diameter injection pitch
E _{tk1} min	20,8 mm	Minimum diameter injection pitch
E _{tk1} max	22,4 mm	Maximum diameter injection pitch
a	9 mm	Distance between the apexes of the pressure cones

Dimensions

r _{min}	0,3 mm	Minimum chamfer dimension
r ₁ min	0,3 mm	Minimum chamfer dimension
α	25 °	Contact angle

Temperature range

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



Additional information

F_{VL}	11 N	Preload force light
F_{VM}	33 N	Preload force medium
F_{VH}	66 N	Preload force heavy
K_{aEL}	31 N	Lift-off force light
K_{aEM}	96 N	Lift-off force medium
K_{aEH}	195 N	Lift-off force heavy
c_{aL}	30 N/μm	Axial rigidity light
c_{aM}	44 N/μm	Axial rigidity medium
c_{aH}	57 N/μm	Axial rigidity heavy

Właściwości

- 

Obciążenie promieniowe
- 

Obciążenie osiowe jednokierunkowe
- 

Smarowanie smarem
- 

Smarowanie olejem
- 

Bez uszczelnienia