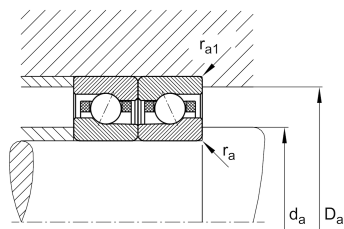
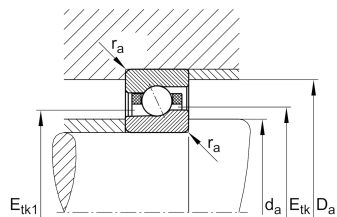
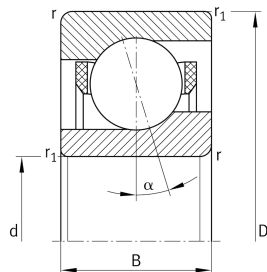
**FAG****X-life****HCM71912-E-T-P4S-UL-XL** **High speed spindle bearing**

High speed spindle bearing HCM719...-E, adjusted, in pairs or sets, contact angle $\alpha = 25^\circ$, 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	60 mm	Bore diameter
D	85 mm	Outside diameter
B	13 mm	Width
C _r	18.600 N	Basic dynamic load rating, radial
C _{0r}	10.000 N	Basic static load rating, radial
C _{ur}	810 N	Fatigue load limit, radial
n _G Grease	26.000 1/min	Limiting speed for grease lubrication
n _G Oil	38.000 1/min	Limiting speed for oil lubrication
≈m	146,1 g	Masa



Mounting dimensions

d _a	65 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	80,5 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}	0,3 mm	Maximum recess radius
E _{tk min}	67,7 mm	Minimum diameter injection pitch
E _{tk max}	70 mm	Maximum diameter injection pitch
E _{tk1 min}	64,7 mm	Minimum diameter injection pitch
E _{tk1 max}	70 mm	Maximum diameter injection pitch
a	23,4 mm	Distance between the apexes of the pressure cones

Dimensions

r _{min}	1 mm	Minimum chamfer dimension
r _{1 min}	0,6 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}	117 N	Preload force light
F_{VM}	306 N	Preload force medium
F_{VH}	637 N	Preload force heavy
K_{aEL}	335 N	Lift-off force light
K_{aEM}	887 N	Lift-off force medium
K_{aEH}	1.869 N	Lift-off force heavy
c_{aL}	110 N/μm	Axial rigidity light
c_{aM}	154 N/μm	Axial rigidity medium
c_{aH}	201 N/μm	Axial rigidity heavy

Właściwości

- 

Obciążenie promieniowe
- 

Obciążenie osiowe jednokierunkowe
- 

Smarowanie smarem
- 

Smarowanie olejem
- 

Bez uszczelnienia