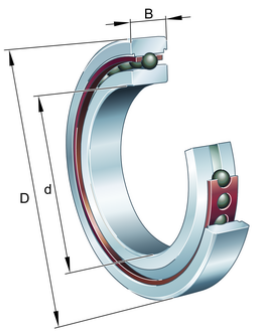


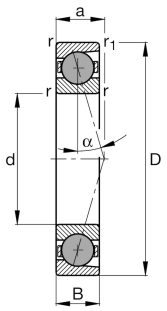
FAG

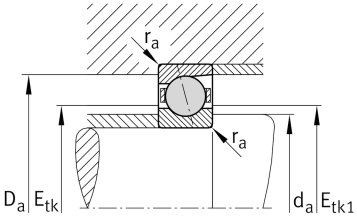
HC71910-E-T-P4S-UL

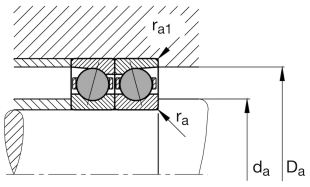
High speed spindle bearing

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

Informacje techniczne







Twoja aktualna wersja produktu

Preload class	L	Preload light
Contact angle	E	Contact angle 25°
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

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	72 mm	Outside diameter
B	12 mm	Width
C_r	9.400 N	Basic dynamic load rating, radial
C_{0r}	5.800 N	Basic static load rating, radial
C_{ur}	470 N	Fatigue load limit, radial
n_G Grease	30.000 1/min	Limiting speed for grease lubrication
$n_{G\ Oil}$	48.000 1/min	Limiting speed for oil lubrication
≈m	124,5 g	Masa

Mounting dimensions

d_a	55 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	67,5 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a\ max}$	0,6 mm	Maximum recess radius
$r_{a1\ max}$	0,15 mm	Maximum recess radius
$E_{tk\ min}$	58,2 mm	Minimum diameter injection pitch
$E_{tk\ max}$	59,1 mm	Maximum diameter injection pitch
$E_{tk1\ min}$	56,4 mm	Minimum diameter injection pitch
$E_{tk1\ max}$	59,1 mm	Maximum diameter injection pitch
a	20,2 mm	Distance between the apexes of the pressure cones

Dimensions

r_{min}	0,6 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}	39 N	Preload force light
F_{VM}	116 N	Preload force medium
F_{VH}	231 N	Preload force heavy
K_{aEL}	110 N	Lift-off force light
K_{aEM}	336 N	Lift-off force medium
K_{aEH}	682 N	Lift-off force heavy
c_{aL}	81 N/µm	Axial rigidity light
c_{aM}	119 N/µm	Axial rigidity medium
c_{aH}	154 N/µm	Axial rigidity heavy

Właściwości

- Obciążenie promieniowe
- Obciążenie osiowe jednokierunkowe
- Smarowanie smarem
- Smarowanie olejem
- Bez uszczelnienia