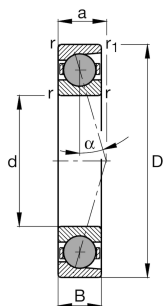
**FAG****HC7004-E-T-P4S-UL**

High speed spindle bearing

High speed spindle bearing HC70...-E,
adjusted, in pairs or sets, contact angle $\alpha =$
 25° , with ceramic balls, restricted tolerances

Informacje techniczne

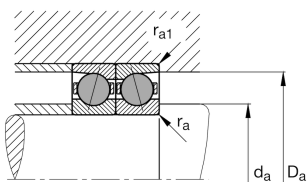
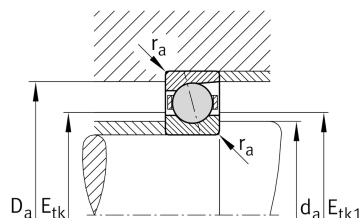


Twoja aktualna wersja produktu

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	20 mm	Bore diameter
D	42 mm	Outside diameter
B	12 mm	Width
C_r	5.400 N	Basic dynamic load rating, radial
C_{0r}	2.470 N	Basic static load rating, radial
C_{ur}	199 N	Fatigue load limit, radial
n_G Grease	60.000 1/min	Limiting speed for grease lubrication
n_G Oil	95.000 1/min	Limiting speed for oil lubrication
$\approx m$	73 g	Masa





Mounting dimensions

d_a	25 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	37 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
$E_{tk \min}$	28,6 mm	Minimum diameter injection pitch
$E_{tk \max}$	29,7 mm	Maximum diameter injection pitch
$E_{tk1 \min}$	27,1 mm	Minimum diameter injection pitch
$E_{tk1 \max}$	29,7 mm	Maximum diameter injection pitch
a	13,2 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}	23 N	Preload force light
F_{VM}	70 N	Preload force medium
F_{VH}	140 N	Preload force heavy
K_{aEL}	67 N	Lift-off force light
K_{aEM}	204 N	Lift-off force medium
K_{aEH}	415 N	Lift-off force heavy
c_{aL}	49 N/μm	Axial rigidity light
c_{aM}	72 N/μm	Axial rigidity medium
c_{aH}	94 N/μm	Axial rigidity heavy

Właściwości

- 

Obciążenie promieniowe
- 

Obciążenie osiowe jednokierunkowe
- 

Smarowanie smarem
- 

Smarowanie olejem
- 

Bez uszczelnienia