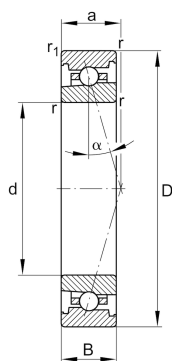
**FAG****HS7010-E-T-P4S-UL**

High speed spindle bearing

High speed spindle bearing HS70...-E,
adjusted, in pairs or sets, contact angle $\alpha = 25^\circ$, restricted tolerances

Informacje techniczne

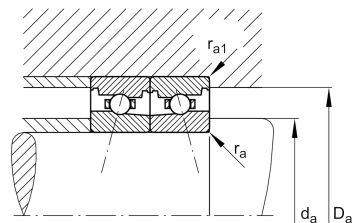
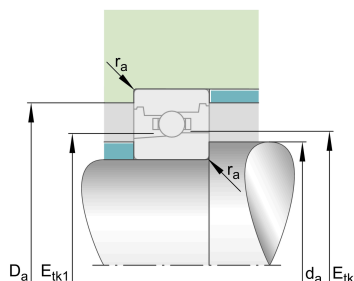


Twoja aktualna wersja produktu

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
Preload class	L	Preload light

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	80 mm	Outside diameter
B	16 mm	Width
C_r	12.100 N	Basic dynamic load rating, radial
C_{0r}	7.700 N	Basic static load rating, radial
C_{ur}	820 N	Fatigue load limit, radial
n_G Grease	22.000 1/min	Limiting speed for grease lubrication
n_G Oil	34.000 1/min	Limiting speed for oil lubrication
n_G	34.000 1/min	Limiting speed
$\approx m$	0,271 kg	Masa





Mounting dimensions

d_a	56 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	74 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a \max}$	1 mm	Maximum recess radius
$r_{a1 \max}$	0,3 mm	Maximum recess radius
$E_{tk \min}$	61,7 mm	Minimum diameter injection pitch
$E_{tk \max}$	63 mm	Maximum diameter injection pitch
$E_{tk1 \min}$	59,6 mm	Minimum diameter injection pitch
$E_{tk1 \max}$	63 mm	Maximum diameter injection pitch
a	23,2 mm	Distance between the apexes of the pressure cones

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
$r_{1 \min}$	1 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}	72 N	Preload force light
F_{VM}	216 N	Preload force medium
F_{VH}	431 N	Preload force heavy
K_{aEL}	208 N	Lift-off force light
K_{aEM}	635 N	Lift-off force medium
K_{aEH}	1.297 N	Lift-off force heavy
c_{aL}	91 N/ μ m	Axial rigidity light
c_{aM}	135 N/ μ m	Axial rigidity medium
c_{aH}	176 N/ μ m	Axial rigidity heavy

Właściwości

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