

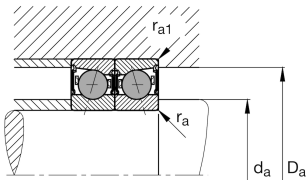
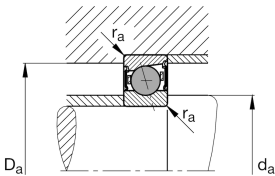
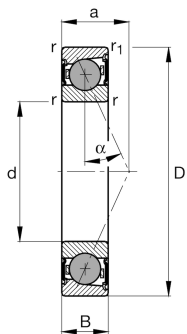
FAG

HCS7012-E-T-P4S-UL

High speed spindle bearing

High speed spindle bearing HCS70...-E, adjusted, in pairs or sets, contact angle $\alpha = 25^\circ$, with ceramic balls, lip seals on both sides, non-contact, restricted tolerances

Informacje techniczne



Twoja aktualna wersja produktu

Preload class	L	Preload light
Contact angle	E	Contact angle 25°
Type of Seal	2RSD	Non-contact sealed on both sides and greased "for life"
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	95 mm	Outside diameter
B	18 mm	Width
C _r	17.600 N	Basic dynamic load rating, radial
C _{0r}	11.300 N	Basic static load rating, radial
C _{ur}	910 N	Fatigue load limit, radial
n _{G Grease}	24.000 1/min	Limiting speed for grease lubrication
≈m	0,412 kg	Masa



Mounting dimensions

d_a	67 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	88 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a \max}$	1 mm	Maximum recess radius
$r_{a1 \max}$	0,6 mm	Maximum recess radius
a	27,1 mm	Distance between the apexes of the pressure cones

Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$r_1 \min$	1,1 mm	Minimum chamfer dimension
α	25 °	Contact angle

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	80 °C	Operating temperature max.

Additional information

F_{VL}	73 N	Preload force light
F_{VM}	219 N	Preload force medium
F_{VH}	438 N	Preload force heavy
K_{aEL}	209 N	Lift-off force light
K_{aEM}	638 N	Lift-off force medium
K_{aEH}	1.294 N	Lift-off force heavy
c_{aL}	112 N/μm	Axial rigidity light
c_{aM}	165 N/μm	Axial rigidity medium
c_{aH}	213 N/μm	Axial rigidity heavy



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne