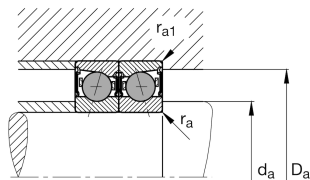
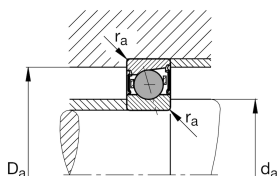
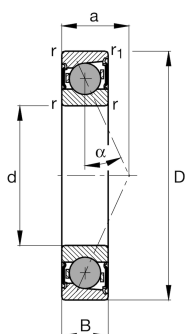
**FAG****HCS7008-E-T-P4S-UL**

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°
Sealing	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	40 mm	Bore diameter
D	68 mm	Outside diameter
B	15 mm	Width
C_r	8.900 N	Basic dynamic load rating, radial
C_{0r}	5.200 N	Basic static load rating, radial
C_{ur}	415 N	Fatigue load limit, radial
n_G Grease	34.000 1/min	Limiting speed for grease lubrication
$\approx m$	0,202 kg	Masa



Mounting dimensions

d_a	46 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	62 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
a	20,1 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.
$T_{\ max}$	80 °C	Operating temperature max.

Additional information

$F_{\ V\ L}$	37 N	Preload force light
$F_{\ V\ M}$	110 N	Preload force medium
$F_{\ V\ H}$	221 N	Preload force heavy
$K_{\ aE\ L}$	106 N	Lift-off force light
$K_{\ aE\ M}$	321 N	Lift-off force medium
$K_{\ aE\ H}$	652 N	Lift-off force heavy
$c_{\ a\ L}$	74 N/μm	Axial rigidity light
$c_{\ a\ M}$	110 N/μm	Axial rigidity medium
$c_{\ a\ H}$	142 N/μm	Axial rigidity heavy



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne