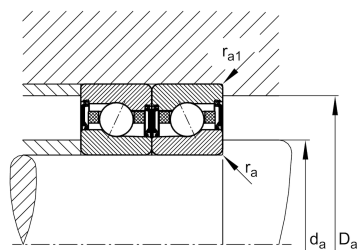
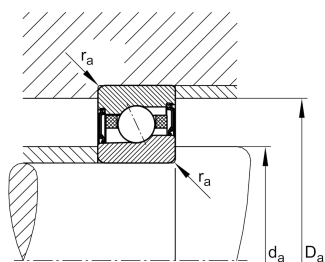
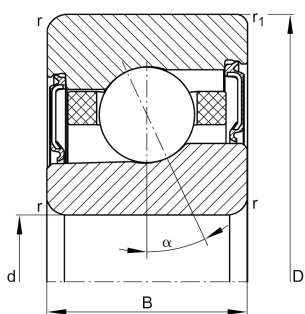
**FAG****HCM7015-C-2RSD-T-P4S-UL-XL**

High speed spindle bearing

High speed spindle bearing HCM70...-C-2RSD, adjusted, in pairs or sets, contact angle $\alpha = 17^\circ$, 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	Contact angle 17°	Contact angle 17°
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	75 mm	Bore diameter
D	115 mm	Outside diameter
B	20 mm	Width
C_r	28.000 N	Basic dynamic load rating, radial
C_{0r}	16.600 N	Basic static load rating, radial
C_{ur}	1.330 N	Fatigue load limit, radial
n_G Grease	22.000 1/min	Limiting speed for grease lubrication
$\approx m$	0,65 kg	Masa



Mounting dimensions

d_a	82 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	107 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	24,5 mm	Distance between the apexes of the pressure cones

Dimensions

$r_{\ min}$	1,1 mm	Minimum chamfer dimension
$r_{1\ min}$	0,6 mm	Minimum chamfer dimension
α	17 °	Contact angle

Temperature range

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

Additional information

$F_{V\ L}$	128 N	Preload force light
$F_{V\ M}$	338 N	Preload force medium
$F_{V\ H}$	709 N	Preload force heavy
$K_{aE\ L}$	373 N	Lift-off force light
$K_{aE\ M}$	1.006 N	Lift-off force medium
$K_{aE\ H}$	2.173 N	Lift-off force heavy
$c_{a\ L}$	71 N/μm	Axial rigidity light
$c_{a\ M}$	102 N/μm	Axial rigidity medium
$c_{a\ H}$	137 N/μm	Axial rigidity heavy



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne