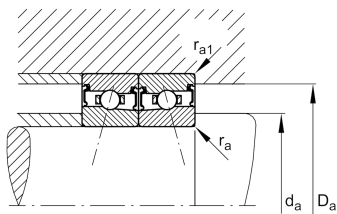
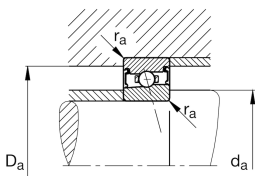
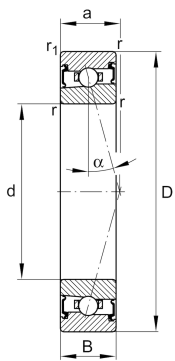


**FAG****HSS7006-C-T-P4S-UL**

High speed spindle bearing

High speed spindle bearing HSS70...-C, adjusted, in pairs or sets, contact angle $\alpha = 15^\circ$, lip seals on both sides, non-contact, restricted tolerances

Technical information



Your current product variant

Contact angle	C	Contact angle 15°
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
Preload	L	Preload light
Lubricant	GA21	Grease for super precision bearings, standard

Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	55 mm	Outside diameter
B	13 mm	Width
C _r	8.200 N	Basic dynamic load rating, radial
C _{0r}	4.250 N	Basic static load rating, radial
C _{ur}	450 N	Fatigue load limit, radial
n _G Grease	38.000 1/min	Limiting speed for grease lubrication
n _G	56.000 1/min	Limiting speed
m	0,13 kg	Weight



Mounting dimensions

d_a	36 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	49 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	12,2 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	15 °	Contact angle

Temperature range

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

Additional information

F_{VL}	29 N	Preload force light
F_{VM}	88 N	Preload force medium
F_{VH}	177 N	Preload force heavy
K_{aEL}	89 N	Lift-off force light
K_{aEM}	280 N	Lift-off force medium
K_{aEH}	584 N	Lift-off force heavy
c_{aL}	24 N/μm	Axial rigidity light
c_{aM}	39 N/μm	Axial rigidity medium
c_{aH}	53 N/μm	Axial rigidity heavy



Characteristics

-  Radial load
-  Axial load in one direction
-  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides