



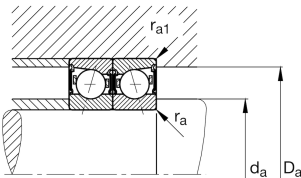
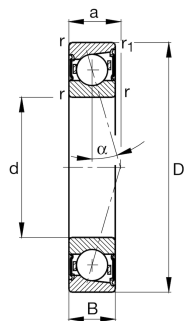
FAG

B7012-C-2RSD-T-P4S-UL

Spindle bearing

Spindle bearing B70...-C-2RSD, adjusted, in pairs or sets, contact angle $\alpha = 15^\circ$, lip seals on both sides, non-contact, restricted tolerances

Informacje techniczne



Twoja aktualna wersja produktu

Preload	L	Preload light
Contact angle	C	Contact angle 15°
Tolerance class	P4S	Tolerance class P4S, FAG standard better than P4 to ISO 492:2023
Sealing	2RSD	Non-contact sealed on both sides and greased "for life"
Cage	T	Laminated fabric cage
Arrangement bearing set	U	Single bearing
Lubricant	GA21	Grease for super precision bearings, standard

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	95 mm	Outside diameter
B	18 mm	Width
C _r	40.000 N	Basic dynamic load rating, radial
C _{0r}	23.800 N	Basic static load rating, radial
C _{ur}	2.500 N	Fatigue load limit, radial
n _G Grease	15.000 1/min	Limiting speed for grease lubrication
≈m	396,27 g	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	
$r_{a\ max}$	1 mm	Maximum recess radius
$r_{a1\ max}$	0,6 mm	Maximum recess radius
a	19,4 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	15 °	Contact angle

Temperature range

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

Additional information

$F_{V\ L}$	209 N	Preload force light
$F_{V\ M}$	687 N	Preload force medium
$F_{V\ H}$	1.381 N	Preload force heavy
$K_{aE\ L}$	647 N	Lift-off force light
$K_{aE\ M}$	2.304 N	Lift-off force medium
$K_{aE\ H}$	4.952 N	Lift-off force heavy
$c_{a\ L}$	64 N/μm	Axial rigidity light
$c_{a\ M}$	110 N/μm	Axial rigidity medium
$c_{a\ H}$	157 N/μm	Axial rigidity heavy



Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Smarowanie dożywotnie, bezobsługowe
-  Smarowanie smarem
-  Uszczelnienie dwustronne