



FAG

B7209-C-T-P4S-UL

Spindle bearing

Spindle bearing B72...-C, adjusted, in pairs or sets, contact angle $\alpha = 15^\circ$, restricted tolerances

Informacje techniczne

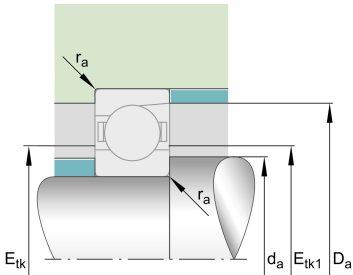


Twoja aktualna wersja produktu

Preload class	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	Without	Not sealed
Cage	T	Laminated fabric cage
Arrangement bearing set	U	Single bearing

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
C _r	34.000 N	Basic dynamic load rating, radial
C _{0r}	17.700 N	Basic static load rating, radial
C _{ur}	1.880 N	Fatigue load limit, radial
n _{G Grease}	17.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	28.000 1/min	Limiting speed for oil lubrication
≈m	0,408 kg	Masa





Mounting dimensions

d_a	52,5 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	78 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
$E_{tk\ min}$	58,5 mm	Minimum diameter injection pitch
$E_{tk\ max}$	62,2 mm	Maximum diameter injection pitch
$E_{tk1\ min}$	58,5 mm	Minimum diameter injection pitch
$E_{tk1\ max}$	62,2 mm	Maximum diameter injection pitch
a	18,2 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.
$T_{\ max}$	100 °C	Operating temperature max.



Additional information

F_{VL}	182 N	Preload force light
F_{VM}	592 N	Preload force medium
F_{VH}	1.182 N	Preload force heavy
K_{aEL}	567 N	Lift-off force light
K_{aEM}	2.003 N	Lift-off force medium
K_{aEH}	4.286 N	Lift-off force heavy
c_{aL}	52 N/μm	Axial rigidity light
c_{aM}	90 N/μm	Axial rigidity medium
c_{aH}	129 N/μm	Axial rigidity heavy

Właściwości

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Obciążenie promieniowe
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Obciążenie osiowe jednokierunkowe
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Smarowanie smarem
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Smarowanie olejem
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Bez uszczelnienia