

**FAG****B7009-E-T-P4S-UL**

Spindle bearing

Spindle bearing B70..-E, adjusted, in pairs or sets, contact angle $\alpha = 25^\circ$, restricted tolerances

Informacje techniczne



Twoja aktualna wersja produktu

Preload class	L	Preload light
Contact angle	E	Contact angle 25°
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	75 mm	Outside diameter
B	16 mm	Width
C_r	26.500 N	Basic dynamic load rating, radial
C_{0r}	14.200 N	Basic static load rating, radial
C_{ur}	1.500 N	Fatigue load limit, radial
n_G Grease	17.000 1/min	Limiting speed for grease lubrication
$n_{G\text{ Oil}}$	26.000 1/min	Limiting speed for oil lubrication
$\approx m$	232 g	Masa





Mounting dimensions

d _a	51 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	69 mm	Shoulder diameter outer ring
D _a	H12	
r _a max	1 mm	Maximum recess radius
r _{a1} max	0,3 mm	Maximum recess radius
E _{tk} min	54,3 mm	Minimum diameter injection pitch
E _{tk} max	57,3 mm	Maximum diameter injection pitch
E _{tk1} min	54,3 mm	Minimum diameter injection pitch
E _{tk1} max	57,3 mm	Maximum diameter injection pitch
a	22 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}	100 °C	Operating temperature max.



Additional information

F_{VL}	208 N	Preload force light
F_{VM}	763 N	Preload force medium
F_{VH}	1.622 N	Preload force heavy
K_{aEL}	606 N	Lift-off force light
K_{aEM}	2.308 N	Lift-off force medium
K_{aEH}	5.082 N	Lift-off force heavy
c_{aL}	115 N/ μ m	Axial rigidity light
c_{aM}	189 N/ μ m	Axial rigidity medium
c_{aH}	259 N/ μ m	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