

**FAG****B7212-C-T-P4S-UL**

Spindle bearing

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

Technical information



Your current product variant

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
Type of Seal	Without	Not sealed
Cage	T	Laminated fabric cage
Arrangement bearing set	U	Single bearing

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	22 mm	Width
C_r	56.000 N	Basic dynamic load rating, radial
C_{0r}	31.000 N	Basic static load rating, radial
C_{ur}	3.300 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	13.000 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	20.000 1/min	Limiting speed for oil lubrication
$\approx m$	0,779 kg	Weight





Mounting dimensions

d _a	69,5 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	101,5 mm	Shoulder diameter outer ring
D _a	H12	Shoulder diameter outer ring clearance
r _a max	1,5 mm	Maximum recess radius
r _{a1} max	0,6 mm	Maximum recess radius
E _{tk} min	77 mm	Minimum diameter injection pitch
E _{tk} max	81,9 mm	Maximum diameter injection pitch
E _{tk1} min	77 mm	Minimum diameter injection pitch
E _{tk1} max	81,9 mm	Maximum diameter injection pitch
a	22,5 mm	Distance between the apexes of the pressure cones

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
r ₁ min	1,5 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}	312 N	Preload force light
F_{VM}	996 N	Preload force medium
F_{VH}	1.982 N	Preload force heavy
K_{aEL}	968 N	Lift-off force light
K_{aEM}	3.352 N	Lift-off force medium
K_{aEH}	7.140 N	Lift-off force heavy
c_{aL}	71 N/ μ m	Axial rigidity light
c_{aM}	121 N/ μ m	Axial rigidity medium
c_{aH}	172 N/ μ m	Axial rigidity heavy

Characteristics

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed