



FAG

B7230-C-T-P4S-UL

Spindle bearing

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

Informacje techniczne

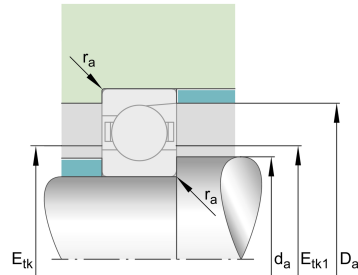


Twoja aktualna wersja produktu

Preload	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	150 mm	Bore diameter
D	270 mm	Outside diameter
B	45 mm	Width
C _r	232.000 N	Basic dynamic load rating, radial
C _{0r}	178.000 N	Basic static load rating, radial
C _{ur}	13.000 N	Fatigue load limit, radial
n _{G Grease}	4.500 1/min	Limiting speed for grease lubrication
n _{G Oil}	6.700 1/min	Limiting speed for oil lubrication
≈m	9,978 kg	Masa





Mounting dimensions

d _a	178 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	241,5 mm	Shoulder diameter outer ring
D _a	H12	
r _a max	2,5 mm	Maximum recess radius
r _{a1} max	2,5 mm	Maximum recess radius
E _{tk} min	190,9 mm	Minimum diameter injection pitch
E _{tk} max	201,9 mm	Maximum diameter injection pitch
E _{tk1} min	190,9 mm	Minimum diameter injection pitch
E _{tk1} max	201,9 mm	Maximum diameter injection pitch
a	50,6 mm	Distance between the apexes of the pressure cones

Dimensions

r _{min}	3 mm	Minimum chamfer dimension
r ₁ min	3 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}	1.401 N	Preload force light
F_{VM}	4.337 N	Preload force medium
F_{VH}	8.611 N	Preload force heavy
K_{aEL}	4.299 N	Lift-off force light
K_{aEM}	14.296 N	Lift-off force medium
K_{aEH}	30.211 N	Lift-off force heavy
c_{aL}	163 N/μm	Axial rigidity light
c_{aM}	269 N/μm	Axial rigidity medium
c_{aH}	380 N/μm	Axial rigidity heavy

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia