



FAG

HS71902-C-T-P4S-UL

High speed spindle bearing

High speed spindle bearing HS719...-C, adjusted, in pairs or sets, contact angle $\alpha = 15^\circ$, restricted tolerances

Informacje techniczne



Twoja aktualna wersja produktu

Contact angle	C	Contact angle 15°
Sealing	Without	Not sealed
Cage	T	Laminated fabric cage
Tolerance class	P4S	Tolerance class P4S, FAG standard better than P4 to ISO 492:2023
Arrangement bearing set	U	Single bearing
Preload	L	Preload light

Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	28 mm	Outside diameter
B	7 mm	Width
C _r	2.550 N	Basic dynamic load rating, radial
C _{0r}	1.040 N	Basic static load rating, radial
C _{ur}	111 N	Fatigue load limit, radial
n _{G Grease}	75.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	110.000 1/min	Limiting speed for oil lubrication
n _G	110.000 1/min	Limiting speed
≈m	16,7 g	Masa





Mounting dimensions

d_a	18 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	25,5 mm	Shoulder diameter outer ring
D_a	H12	Shoulder diameter outer ring clearance
$r_{a\ max}$	0,3 mm	Maximum recess radius
$r_{a1\ max}$	0,1 mm	Maximum recess radius
$E_{tk\ min}$	19,9 mm	Minimum diameter injection pitch
$E_{tk\ max}$	20,4 mm	Maximum diameter injection pitch
$E_{tk1\ min}$	18,8 mm	Minimum diameter injection pitch
$E_{tk1\ max}$	20,4 mm	Maximum diameter injection pitch
a	6,4 mm	Distance between the apexes of the pressure cones

Dimensions

r_{min}	0,3 mm	Minimum chamfer dimension
$r_{1\ min}$	0,3 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}	9 N	Preload force light
F_{VM}	28 N	Preload force medium
F_{VH}	56 N	Preload force heavy
K_{aEL}	28 N	Lift-off force light
K_{aEM}	90 N	Lift-off force medium
K_{aEH}	188 N	Lift-off force heavy
c_{aL}	11 N/μm	Axial rigidity light
c_{aM}	18 N/μm	Axial rigidity medium
c_{aH}	25 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