

**FAG****B7020-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	100 mm	Bore diameter
D	150 mm	Outside diameter
B	24 mm	Width
C_r	79.000 N	Basic dynamic load rating, radial
C_{0r}	55.000 N	Basic static load rating, radial
C_{ur}	5.200 N	Fatigue load limit, radial
n_G Grease	8.000 1/min	Limiting speed for grease lubrication
$n_{G\text{ Oil}}$	13.000 1/min	Limiting speed for oil lubrication
$\approx m$	1,24 kg	Masa





Mounting dimensions

d _a	110 mm	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	141 mm	Shoulder diameter outer ring
D _a	H12	
r _a max	1,5 mm	Maximum recess radius
r _{a1} max	0,6 mm	Maximum recess radius
E _{tk} min	115,5 mm	Minimum diameter injection pitch
E _{tk} max	120,8 mm	Maximum diameter injection pitch
E _{tk1} min	115,5 mm	Minimum diameter injection pitch
E _{tk1} max	120,8 mm	Maximum diameter injection pitch
a	41,1 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	25 °	Contact angle

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.



Additional information

F_{VL}	681 N	Preload force light
F_{VM}	2.336 N	Preload force medium
F_{VH}	4.869 N	Preload force heavy
K_{aEL}	1.982 N	Lift-off force light
K_{aEM}	7.018 N	Lift-off force medium
K_{aEH}	15.103 N	Lift-off force heavy
c_{aL}	242 N/ μ m	Axial rigidity light
c_{aM}	385 N/ μ m	Axial rigidity medium
c_{aH}	521 N/ μ m	Axial rigidity heavy

Właściwości

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