

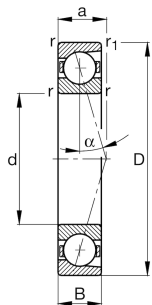
FAG

B7018-E-T-P4S-UM

Spindle bearing

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

Informacje techniczne

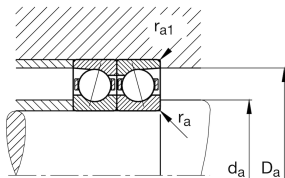
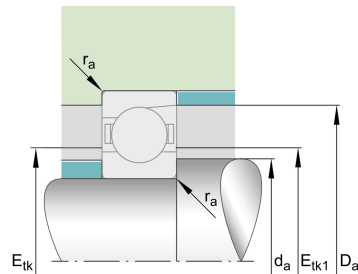


Twoja aktualna wersja produktu

Preload	M	Preload medium
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	90 mm	Bore diameter
D	140 mm	Outside diameter
B	24 mm	Width
C _r	74.000 N	Basic dynamic load rating, radial
C _{0r}	48.500 N	Basic static load rating, radial
C _{ur}	4.800 N	Fatigue load limit, radial
n _{G Grease}	9.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	14.000 1/min	Limiting speed for oil lubrication
≈m	1,14 kg	Masa





Mounting dimensions

d_a	100 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	131 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
$E_{tk \min}$	105,5 mm	Minimum diameter injection pitch
$E_{tk \max}$	110,9 mm	Maximum diameter injection pitch
$E_{tk1 \min}$	105,5 mm	Minimum diameter injection pitch
$E_{tk1 \max}$	110,9 mm	Maximum diameter injection pitch
a	38,8 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}	646 N	Preload force light
F_{VM}	2.205 N	Preload force medium
F_{VH}	4.590 N	Preload force heavy
K_{aEL}	1.880 N	Lift-off force light
K_{aEM}	6.636 N	Lift-off force medium
K_{aEH}	14.269 N	Lift-off force heavy
c_{aL}	223 N/ μ m	Axial rigidity light
c_{aM}	355 N/ μ m	Axial rigidity medium
c_{aH}	479 N/ μ m	Axial rigidity heavy

Właściwości

- 

Obciążenie promieniowe
- 

Obciążenie osiowe jednokierunkowe
- 

Smarowanie smarem
- 

Smarowanie olejem
- 

Bez uszczelnienia