



FAG

B71940-E-T-P4S-UL

Spindle bearing

Spindle bearing B719...-E, adjusted, in pairs or sets, contact angle $\alpha = 25^\circ$, restricted tolerances

Informacje techniczne

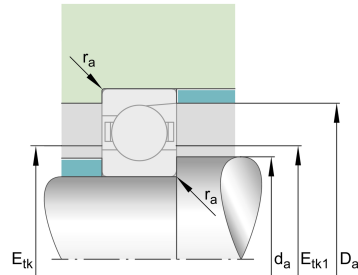


Twoja aktualna wersja produktu

Preload	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	200 mm	Bore diameter
D	280 mm	Outside diameter
B	38 mm	Width
C _r	199.000 N	Basic dynamic load rating, radial
C _{0r}	170.000 N	Basic static load rating, radial
C _{ur}	11.600 N	Fatigue load limit, radial
n _{G Grease}	4.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	6.300 1/min	Limiting speed for oil lubrication
≈m	5,954 kg	Masa





Mounting dimensions

d_a	214 mm	Diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
D_a	266 mm	Shoulder diameter outer ring
D_a	H12	
$r_{a \max}$	1 mm	Maximum recess radius
$r_{a1 \max}$	1 mm	Maximum recess radius
$E_{tk \min}$	224,7 mm	Minimum diameter injection pitch
$E_{tk \max}$	233,1 mm	Maximum diameter injection pitch
$E_{tk1 \min}$	224,7 mm	Minimum diameter injection pitch
$E_{tk1 \max}$	233,1 mm	Maximum diameter injection pitch
a	75 mm	Distance between the apexes of the pressure cones

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$r_{1 \min}$	1,1 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}	1.635 N	Preload force light
F_{VM}	5.765 N	Preload force medium
F_{VH}	12.127 N	Preload force heavy
K_{aEL}	4.737 N	Lift-off force light
K_{aEM}	17.199 N	Lift-off force medium
K_{aEH}	37.246 N	Lift-off force heavy
c_{aL}	423 N/ μ m	Axial rigidity light
c_{aM}	676 N/ μ m	Axial rigidity medium
c_{aH}	911 N/ μ m	Axial rigidity heavy

Właściwości

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