



FAG

6005-C-Z>V

Deep groove ball bearing

Deep groove ball bearing 60.-C-Z, single row, Generation C, shield , steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Sealing	Z	Non-contact shield on one Side
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	47 mm	Outside diameter
B	12 mm	Width
C _r	12.600 N	Basic dynamic load rating, radial
C _{0r}	6.500 N	Basic static load rating, radial
C _{ur}	420 N	Fatigue load limit, radial
n _G	23.700 1/min	Limiting speed
n _{gr}	16.400 1/min	Reference speed
≈m	0,072 kg	Masa



Mounting dimensions

d _{a min}	28,2 mm	Minimum diameter shaft shoulder
D _{a max}	43,8 mm	Maximum diameter of housing shoulder
r _{a max}	0,6 mm	Maximum fillet radius

Dimensions

r _{min}	0,6 mm	Minimum chamfer dimension
D ₁	40,73 mm	Shoulder diameter outer ring
D ₂	42,66 mm	Caliber diameter outer ring
d ₁	31,27 mm	Shoulder diameter inner ring
d ₂	29,93 mm	Caliber diameter inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Calculation factors

f ₀	14,3	Calculation factor
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