



FAG

54205



Axial deep groove ball bearing

Axial deep groove ball bearing 542, double direction, with spherical housing washer, steel sheet metal cage



Informacje techniczne

Twoja aktualna wersja produktu

Cage	JP	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°

Main Dimensions & Performance Data

d	20 mm	Inner diameter shaft washer
D	47 mm	Outer diameter housing washer
T ₂	31,4 mm	Height
C _a	27.800 N	Basic dynamic load rating, axial
C _{0a}	50.500 N	Basic static load rating, axial
C _{ua}	2.295 N	Fatigue load limit, axial
n _G	4.800 1/min	Limiting speed
n _{gr}	9.400 1/min	Reference speed
≈m	0,229 kg	Masa

Mounting dimensions

d _{a max}	25 mm	Maximum diameter shaft shoulder
D _{a max}	36 mm	Maximum diameter of housing shoulder
r _{a max}	0,6 mm	Maximum filled radius
r _{a1 max}	0,3 mm	Maximum filled radius



Dimensions

D 1	27 mm	Inner diameter housing washer
B	7 mm	Height shaft washer
r min	0,6 mm	Minimum chamfer dimension
r 1 min	0,3 mm	Minimum chamfer dimension
R	40 mm	Radius spherical housing washer
A	16,5 mm	Distance of the center point
T 3	36 mm	Height with seat washer
D 2	36 mm	Bore diameter seat washer
D 3	50 mm	Outside diameter seat washer
C	5,5 mm	Height seat washer

Temperature range

T min	-30 °C	Operating temperature min.
T max	150 °C	Operating temperature max.

Calculation factors

A	0,013	Minimum load factor
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Additional information

U205	Seat washer
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Właściwości

	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia
	Nieosiowość statyczna