

1201 ETN9

- Popular item

Self-aligning ball bearings

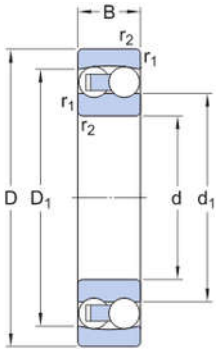
Bearing data

Tolerances,
Normal, JS7,
Radial internal clearance,
table

Bearing interfaceS

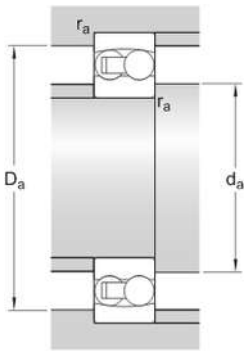
Seat tolerances for standard conditions,
Tolerances and resultant fits

Technical specification



DIMENSIONS

d	12 mm	Bore diameter
D	32 mm	Outside diameter
B	10 mm	Width
d_1	≈ 18.2 mm	Shoulder diameter inner ring
D_1	≈ 25.7 mm	Shoulder diameter outer ring
$r_{1,2}$	min. 0.6 mm	Chamfer dimension



ABUTMENT DIMENSIONS

da	min.16.2 mm	Abutment diameter shaft
Da	max.27.8 mm	Abutment diameter housing
ra	max.0.6 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	6.24 kN
Basic static load rating	C_0	1.43 kN
Fatigue load limit	P_u	0.072 kN
Reference speed		50 000 r/min
Limiting speed		32 000 r/min
Permissible angular misalignment	α	2.5 °
Calculation factor	k_r	0.04
Calculation factor	e	0.33
Calculation factor	Y_0	2
Calculation factor	Y_1	1.9
Calculation factor	Y_2	3

MASS

Mass bearing		0.04 kg

More information

Product details

- Designs and variants
- Bearing data
- Loads
- Temperature limits
- Permissible speed
- Design considerations
- Mounting
- Designation system

Engineering information

- Principles of rolling bearing selection
- General bearing knowledge
- Bearing selection process
- Bearing interfaces
- Seat tolerances for standard conditions
- Selecting internal clearance
- Lubrication
- Sealing, mounting and dismounting
- Bearing failure and how to prevent it

Tools

- Bearing Select
- SimPro Quick
- Engineering Calculator
- LubeSelect for SKF greases
- Heater selection tool
- Drive-up Method Program
- Oil Injection Method Program
- Tool and Accessory Selector for sleeves and shafts
- Housing Select
- Rolling bearings mounting and dismounting instructions

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