



Image may differ from product. See technical specification for details.

YET 203

Insert bearing with an eccentric locking collar and narrow inner ring

Insert bearings are based on sealed deep groove ball bearings. This variant is intended for use in applications where the direction of rotation is constant. It has a narrow inner ring extended on one side, with an eccentric locking collar, enabling quick and easy mounting onto the shaft.

- Designed for rotation in one direction
- Quick and easy to mount onto the shaft
- Long service life
- Reduce noise and vibration levels

Overview

Dimensions

Shaft diameter	17 mm
Bore diameter	17 mm
Outside diameter	40 mm
Width, total	28.6 mm
Width, inner ring	19.1 mm
Width, outer ring	12 mm

Performance

Basic dynamic load rating	9.56 kN
Basic static load rating	4.75 kN
Limiting speed	9 500 r/min
Note	Limiting speed with shaft tolerance h6

Properties

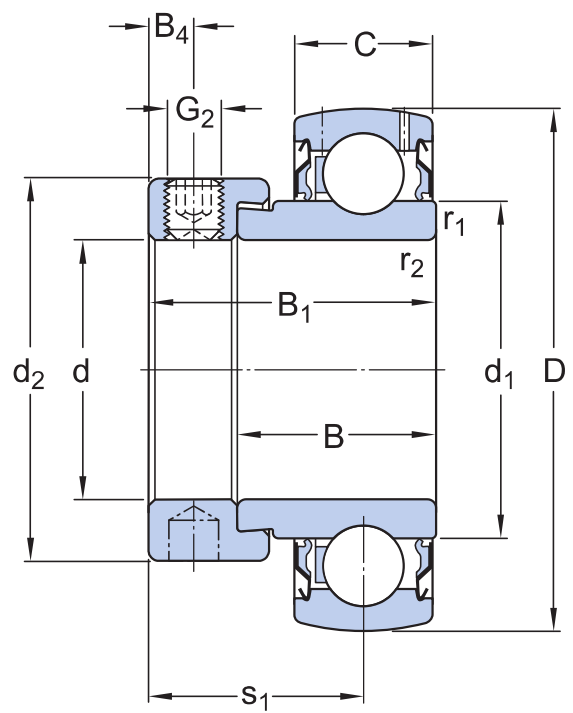
Retaining feature, inner ring	Eccentric collar
Bore type	Cylindrical
Rolling elements	Balls
Outer ring type	Spherical
Inner ring extension	On one side
Cage	Non-metallic
Rubber seating ring	Without
Material, bearing	Bearing steel
Coating	Without
Sealing	Seal on both sides
Sealing type	Contact, standard
Lubricant	Grease
Relubrication feature	With

Logistics

Product net weight	0.101 kg
eClass code	23-05-08-02

UNSPSC code	31171536
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Technical specification



Dimensions

d	17 mm	Bore diameter
D	40 mm	Outside diameter
B ₁	28.6 mm	Overall bearing width
B	19.1 mm	Width of inner ring
C	12 mm	Width of outer ring
d ₁	≈ 24.2 mm	Outside diameter of inner ring
d ₂	27.2 mm	Outside diameter of locking collar
B ₄	4.75 mm	Distance from side face to thread centre
r _{1,2}	min. 0.3 mm	Chamfer dimension of inner ring
s ₁	22.1 mm	Distance from locking device side face to raceway centre

Calculation data

Basic dynamic load rating	C	9.56 kN
Basic static load rating	C ₀	4.75 kN
Fatigue load limit	P _u	0.2 kN

Limiting speed		9 500 r/min
		Limiting speed with shaft tolerance h6
Calculation factor	f_0	13

Mounting information

Set screw	G ₂	M6x0.75
Hexagonal key size for set screw	N	3 mm
Recommended tightening torque for set screw		4 N·m

Associated products

Rubber seating ring	RIS 203
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Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- [Tolerances: table 1, table 2](#)
- [Radial internal clearance: Standard inner ring, Other bearings](#)

BEARING INTERFACES

- [Shaft tolerances](#)

Compatible products

Recommended product

Rubber seating ring for insert bearing

[RIS 203](#)

More Information

 Product details Designs and variants Lubrication General bearing specifications Loads Temperature limits Permissible speed Design considerations Mounting and dismounting Designation system	 Engineering information Principles of rolling bearing selection General bearing knowledge Bearing selection process Bearing failure and how to prevent it	 Tools SKF Product select Bearing Frequency Calculator SimPro Quick Heater selection tool
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