

YET 208

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
- Accommodate static initial misalignment
- Long service life
- Reduce noise and vibration levels

Overview

Dimensions

Bore diameter	40 mm
Outside diameter	80 mm
Width, inner ring	29.7 mm
Width, outer ring	21 mm
Width, total	43.2 mm

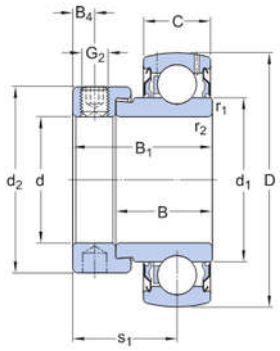
Performance

Basic dynamic load rating	30.7 kN
Basic static load rating	19 kN
Limiting speed	4 800 r/min

Properties

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

Technical Specification



Dimensions

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B_1	43.2 mm	Overall bearing width
B	29.7 mm	Width of inner ring
C	21 mm	Width of outer ring
d_1	≈ 51.8 mm	Outside diameter of inner ring
d_2	56.5 mm	Outside diameter of locking collar
B_4	6.75 mm	Distance from side face to thread centre
$r_{1,2}$	min. 1 mm	Chamfer dimension of inner ring
s_1	32.7 mm	Distance from locking device side face to bearing centre

Calculation data

Basic dynamic load rating	C	30.7 kN
Basic static load rating	C_0	19 kN
Fatigue load limit	P_u	0.8 kN
Limiting speed1)		4 800 r/min
Calculation factor	f_0	14

Mass

Mass	0.6 kg

Mounting information

Set screw	G_2	M10x1
Hexagonal key size for set screw	N	5 mm
Recommended tightening torque for set screw		16.5 Nm

Associated products

Rubber seating ring	RIS 208 A

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