

YET 211-203



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



Dimensions		
d	55.563 mm	Bore diameter
D	100 mm	Outside diameter
B ₁	48.4 mm	Overall bearing width
B	32.6 mm	Width of inner ring
C	25 mm	Width of outer ring
d ₁	≈ 69.06 mm	Outside diameter of inner ring
d ₂	74.5 mm	Outside diameter of locking collar
B ₄	7.9 mm	Distance from side face to thread centre
r _{1,2}	min. 1 mm	Chamfer dimension of inner ring
s ₁	35.9 mm	Distance from locking device side face to raceway centre

Calculation data

Basic dynamic load rating	C	43.6 kN
Basic static load rating	C ₀	29 kN
Fatigue load limit	P _u	1.25 kN

Limiting speed	3 600 r/min	
	Limiting speed with shaft tolerance h6	
Calculation factor	f_0	14

Mounting information

Set screw	G_2	7/16-20 UNF
Hexagonal key size for set screw	N	5.556 mm
Recommended tightening torque for set screw	28.5 N·m	

Associated products

Rubber seating ring	RIS 211 A	
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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