

YET 212



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	60 mm	Bore diameter
D	110 mm	Outside diameter
B ₁	52.6 mm	Overall bearing width
B	36.7 mm	Width of inner ring
C	26 mm	Width of outer ring
d ₁	≈ 75.64 mm	Outside diameter of inner ring
d ₂	82 mm	Outside diameter of locking collar
B ₄	7.95 mm	Distance from side face to thread centre
r _{1,2}	min. 1.5 mm	Chamfer dimension of inner ring
s ₁	39.6 mm	Distance from locking device side face to raceway centre

Calculation data

Basic dynamic load rating	C	52.7 kN
Basic static load rating	C ₀	36 kN
Fatigue load limit	P _u	1.53 kN

Limiting speed	3 400 r/min
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Limiting speed with shaft
tolerance h6

Calculation factor	f_0	14
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Mounting information

Set screw	G_2	M10x1
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Hexagonal key size for set screw	N	5 mm
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Recommended tightening torque for set screw	16.5 N·m
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Associated products

Rubber seating ring	RIS 212 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