

YET 204-012



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	19.05 mm	Bore diameter
D	47 mm	Outside diameter
B ₁	30.5 mm	Overall bearing width
B	21 mm	Width of inner ring
C	14 mm	Width of outer ring
d ₁	≈ 28.2 mm	Outside diameter of inner ring
d ₂	32.4 mm	Outside diameter of locking collar
B ₄	4.75 mm	Distance from side face to thread centre
r _{1,2}	min. 0.6 mm	Chamfer dimension of inner ring
s ₁	23.5 mm	Distance from locking device side face to raceway centre

Calculation data

Basic dynamic load rating	C	12.7 kN
Basic static load rating	C ₀	6.55 kN
Fatigue load limit	P _u	0.28 kN

Limiting speed	8 500 r/min	
	Limiting speed with shaft tolerance h6	
Calculation factor	f_0	13

Mounting information

Set screw	G ₂	1/4-28 UNF
Hexagonal key size for set screw	N	3.175 mm
Recommended tightening torque for set screw	4 N·m	

Associated products

Rubber seating ring	RIS 204
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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