

YET 210-115



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	49.213 mm	Bore diameter
D	90 mm	Outside diameter
B ₁	43.7 mm	Overall bearing width
B	30.2 mm	Width of inner ring
C	22 mm	Width of outer ring
d ₁	≈ 62.51 mm	Outside diameter of inner ring
d ₂	67.2 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 raceway centre

Calculation data

Basic dynamic load rating	C	35.1 kN
Basic static load rating	C ₀	23.2 kN
Fatigue load limit	P _u	0.98 kN

Limiting speed	4 000 r/min
----------------	-------------

Limiting speed with shaft
tolerance h6

Calculation factor	f_0	14
--------------------	-------	----

Mounting information

Set screw	G ₂	3/8-24 UNF
-----------	----------------	------------

Hexagonal key size for set screw	N	4.763 mm
----------------------------------	---	----------

Recommended tightening torque for set screw	16.5 N·m
---	----------

Associated products

Rubber seating ring	RIS 210 A
---------------------	-----------

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table 1, table 2
- Radial internal clearance: Standard inner ring, Other bearings

BEARING INTERFACES

- Shaft tolerances