



# FY 1.1/4 ATFSquare flanged ball bearing unit with set screw locking, cast iron housing, ISO

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These square flanged ball bearing units are compliant with ISO standards. They consist of an insert bearing, with an extended inner ring and set screw locking, and are suitable for applications where the direction of rotation is constant or alternating. The bearing is mounted in a cast iron housing, which can be bolted to a machine wall or frame. Ball bearing units can accommodate moderate initial misalignment, but normally do not permit axial displacement.

- Resist high levels of contamination
- Designed for high temperatures and speeds
- Accommodate relatively heavy loads
- Cost-effective

## Overview

## Dimensions

Shaft diameter	31.75 mm
Housing overall width	32.5 mm
Width, total	42.2 mm
Centre distance between bolt holes	82.5 mm
Bearing width, total	38.1 mm

## Performance

Basic dynamic load rating	19.5 kN
Basic static load rating	11.2 kN
Limiting speed	6 300 r/min
Note	Limiting speed with shaft tolerance h6

## Properties

Housing type	Flanged
Flanged housing type	Square
Number of bolt holes for fasteners	4
Fastening bolt hole type	Plain
Retaining feature, inner ring	Set screws
Bore type	Cylindrical
Rubber seating ring	Without
Material, housing	Cast iron

Material, bearing	Bearing steel
Coating	Without
Sealing, bearing	Seal and flinger on both sides
Sealing type	Contact, standard
Sealing, unit	Optional end cover
Lubricant	Grease
Relubrication hole	With
Grease fitting	With

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