



F4BSS 25M-YTPSS Square flanged ball bearing unit with set screw locking, stainless steel housing

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These square flanged ball bearing units are designed especially for the food and beverage industries. 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 stainless steel 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.

- Chemical resistant
- Strong
- Lubricated for life with a non-toxic food grade grease
- Designed for high temperatures and speeds

Overview

Dimensions

Shaft diameter	25 mm
Housing overall width	29.4 mm
Width, total	36.5 mm
Centre distance between bolt holes	69.9 mm
Bearing width, total	34.1 mm

Performance

Basic dynamic load rating	11.9 kN
Basic static load rating	7.8 kN
Limiting speed	4 300 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	Stainless steel
Material, bearing	Stainless steel
Coating	Without
Sealing, bearing	Seal and flinger on both sides
Sealing type	Contact, gutter
Sealing, unit	Optional end cover
Lubricant	Grease
Relubrication hole	Without
Grease fitting	Without

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