



SKF PFT 30 RM

Flanged ball bearing unit with pressed steel housing

Flanged ball bearing units consisting of an insert bearing mounted in a pressed steel housing that can be bolted to a machine wall or frame. In addition to being part of a unit, some flanged housings for insert bearings are available as separate components. The SKF assortment includes ball bearing units compliant with several industrial standards, meeting many requirements regarding bolt patterns and mechanisms for locking onto on the shaft.

Technical specifications

General	
Compliance with standard	ISO
Purpose specific	For material handling applications
Material, housing	Pressed steel
Sealing, bearing	Seal on both sides
Sealing type, bearing	Contact, standard
Sealing, unit	Without
Coating	Zinc-coated housing

Dimensions	
Bore diameter	30 mm
Outer diameter of inner ring	39.7 mm
Width of housing half	9.5 mm
Material thickness	2.5 mm
Width of inner ring	30.2 mm
Distance from locking device side face to thread centre	5 mm
Overall height	112 mm
Abutment diameter	67 mm
Centre distance between bolt holes	90.5 mm
Overall length	84 mm
Diameter of attachment bolt hole	11 mm
Distance from locking device side face to raceway centre	21 mm
Overall width	23.5 mm
Attachment bolt diameter	10 mm
Shaft diameter	30 mm
Housing overall width	19 mm
Bearing width, total	30.2 mm

Calculation data	
Basic dynamic load rating	19.5 kN
Basic static load rating	11.2 kN
Fatigue load limit	0.475 kN
Permissible radial load	5 kN
Limiting speed	6300 r/min
	Limiting speed with shaft tolerance h6

Mounting information	
Set screw	M6x0.75
Hexagonal key size for set screw	3 mm
Recommended tightening torque for set screw	4 N·m
Recommended diameter for attachment bolts, mm	10 mm
Recommended diameter for attachment bolts, inch	0.375 in

Included products	
Housing	PFT 62
Bearing	YAT 206

Performance	

Basic dynamic load rating	19.5 kN
Basic static load rating	11.2 kN
Limiting speed	6300 r/min
Note	Limiting speed with shaft tolerance h6

Properties	
Housing type	Flanged
Flanged housing type	Oval
Number of bolt holes for fasteners	2
Fastening bolt hole type	Plain
Retaining feature, inner ring	Set screws
Bore type	Cylindrical
Rubber seating ring	Without
Material, housing	Pressed steel
Material, bearing	Bearing steel
Coating	Zinc-coated housing
Sealing, bearing	Seal on both sides
Sealing type	Contact, standard
Sealing, unit	Without
Lubricant	Grease
Relubrication hole	Without
Grease fitting	Without

Logistics	
Product net weight	0.426 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings