



SKF PFT 20 TF

Oval flanged ball bearing unit with pressed steel housing

Oval flanged ball bearing units with pressed steel housing consist 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, housings and 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 the shaft.

Technical specifications

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

Dimensions	
Bore diameter	20 mm
Outer diameter of inner ring	28.2 mm
Width of housing half	8 mm
Material thickness	2 mm
Width of inner ring	31 mm
Overall bearing width	31 mm
Distance from locking device side face to thread centre	4.5 mm
Overall height	91 mm
Abutment diameter	51 mm
Centre distance between bolt holes	71.4 mm
Overall length	67 mm
Diameter of attachment bolt hole	8.7 mm
Distance from locking device side face to raceway centre	18.3 mm
Overall width	20.3 mm
Attachment bolt diameter	8 mm
Shaft diameter	20 mm
Housing overall width	16 mm
Bearing width, total	31 mm

Calculation data	
Basic dynamic load rating	12.7 kN
Basic static load rating	6.55 kN
Fatigue load limit	0.28 kN
Permissible radial load	3.3 kN
Limiting speed	8500 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	8 mm
Recommended diameter for attachment bolts, inch	0.3125 in

Included products	
Housing	PFT 47
Bearing	YAR 204-2F

Performance	
Basic dynamic load rating	12.7 kN
Basic static load rating	6.55 kN
Limiting speed	8500 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 and flinger on both sides
Sealing type	Contact, standard
Sealing, unit	Without
Lubricant	Grease
Relubrication hole	Without
Grease fitting	Without

Logistics	
Product net weight	0.22 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings