

UCF 204

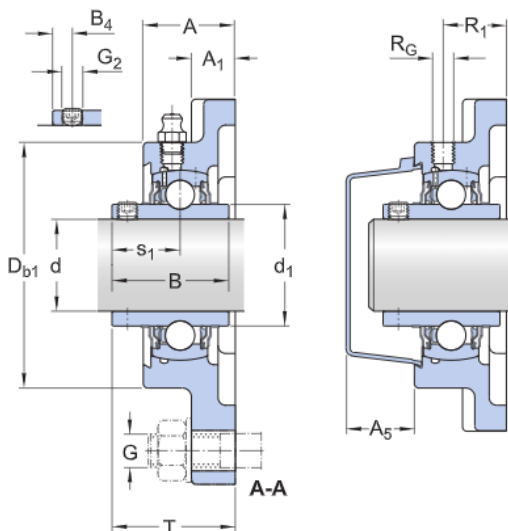
Square flanged ball bearing units

The values depend on the included bearing:
table 1, table 2, table 3,
table 4

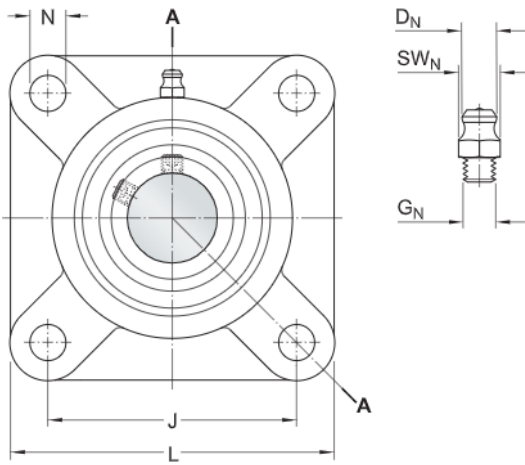
Technical specification

Compliance with standard	JIS
Purpose specific	For material handling applications
Housing material	Cast iron
Sealing solution	Standard seals with additional flingers

DIMENSIONS



d	20 mm	Bore diameter
d ₁	≈ 28.7 mm	Outer diameter inner ring
A	25.5 mm	Overall width
A ₁	11 mm	Flange width
A ₅	20.5 mm	Standout of end cover
B	31 mm	Width of inner ring
B ₄	5 mm	Distance from locking device side face to thread centre
D _{b1}	60 mm	Top external diameter
J	64 mm	Distance between attachment bolts
L	86 mm	Overall length
N	12 mm	Diameter of attachment bolt hole



s1	18.3 mm	Distance from locking device side face to raceway centre
T	33.2 mm	Overall unit width

GREASE FITTING

D _f	6.6 mm	Diameter of head sphere of grease fitting
S _f	7.94 mm	Hexagonal key size for the grease fitting
G _f	1/4-28 UNF	Thread of the grease fitting

THREADED HOLE

R _G	1/4-28 UNF	Housing thread for grease fitting
R ₁	17 mm	Axial position of the housing thread

CALCULATION DATA

Basic dynamic load rating	C	12.7 kN
Basic static load rating	C ₀	6.7 kN
Fatigue load limit	P _u	0.285 kN
Limiting speed		6 500 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.53 kg
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MOUNTING INFORMATION

Set screw	G ₂	M6x1
Hexagonal key size for set screw		3.05 mm
Recommended tightening torque for set screw		4 Nm
Recommended diameter for attachment bolts, mm	G	10 mm

Recommended diameter for attachment bolts, inch	G	0.375 in
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INCLUDED PRODUCTS

Housing		F 204/Y
Bearing		UC 204

ASSOCIATED PRODUCTS

End cover		ECY 204
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More information

Product details	Engineering information	Tools
Flanged units to ISO standards	Principles of ball bearing units selection and application - Download catalogue (4.9 MB)	Bearing Select
Flanged units to North American standards	Principles of selecting mounted bearing solutions	Engineering Calculator
Flanged units to Japanese Industrial Standards (JIS)	Bearing failure and how to prevent it	Rolling bearings mounting and dismounting instructions
Flanged units, not standardized (SKF Food Line)		
Permissible misalignment		
Locating/non-locating support flanged		
Loads		
Temperature limits		
Permissible speed		
Lubrication		
Mounting and dismounting		
Ordering information		
Designation system		

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