

YAT 204

Popular item

Insert bearings

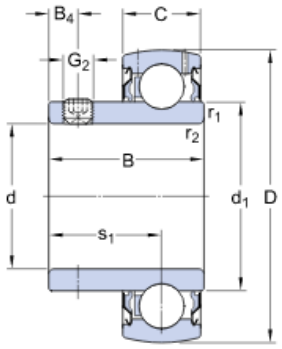
Bearing data

Tolerances,
table 1, table 2,
Radial internal clearance,
Standard inner ring, Other bearings

Design considerations

Shaft tolerances

Technical specification



DIMENSIONS

d	20 mm
D	47 mm
B	25.5 mm
C	14 mm
d_1	≈ 28.2 mm
B_4	4.5 mm
$r_{1,2}$	min. 0.6 mm
s_1	18.3 mm

CALCULATION DATA

Basic dynamic load rating	C	12.7 kN
Basic static load rating	C_0	6.55 kN
Fatigue load limit	P_u	0.28 kN
Limiting speed1)		8500 r/min
Calculation factor	f_0	13

MASS

Mass bearing	0.13 kg

MOUNTING INFORMATION

Thread grub screw	G_2	M6x0.75
Hexagonal key size for grub screw	N	3 mm
Recommended tightening torque for grub screw		4 N·m

ASSOCIATED PRODUCTS

Rubber seating ring	RIS 204

More information

Product details

- Designs and variants
- Lubrication
- Bearing data
- Loads
- Temperature limits
- Permissible speed
- Design considerations
- Mounting and dismounting
- Designation system

Engineering information

- Principles of rolling bearing selection
- General bearing knowledge
- Bearing selection process
- Bearing failure and how to prevent it

Tools

- Bearing Select
- Engineering Calculator
- SimPro Quick
- Heater selection tool

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