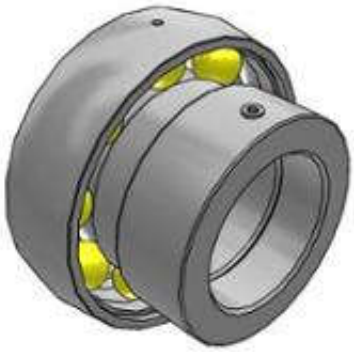


YET 205-100

Popular item

Insert bearings

Bearing data

Tolerances,

table 1, table 2,

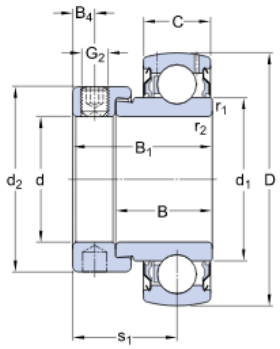
Radial internal clearance,

Standard inner ring, Other bearings

Design considerations

Shaft tolerances

Technical specification



DIMENSIONS

d	25.4 mm
D	52 mm
B_1	31 mm
B	21.5 mm
C	15 mm
d_1	≈ 33.74 mm
d_2	37.4 mm
B_4	4.75 mm
$r_{1,2}$	min. 0.6 mm
s_1	23.5 mm

CALCULATION DATA

Basic dynamic load rating	C	14 kN
Basic static load rating	C_0	7.8 kN
Fatigue load limit	P_u	0.335 kN
Limiting speed1)		7000 r/min
Calculation factor	f_0	14

MASS

Mass bearing	0.19 kg

MOUNTING INFORMATION

Thread grub screw	G_2	1/4-28 UNF
Hexagonal key size for grub screw	N	3.175 mm
Recommended tightening torque for grub screw		4 N·m

ASSOCIATED PRODUCTS

Rubber seating ring	RIS 205

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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