



YET 205

- Popular item

Insert bearings

Bearing data

[Tolerances](#),

table 1, table 2,

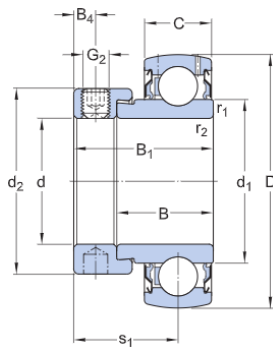
[Radial internal clearance](#),

Standard inner ring, Other bearings

Design considerations

[Shaft tolerances](#)

Technical specification



DIMENSIONS

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B ₁	31 mm	Overall bearing width
B	21.5 mm	Width inner ring
C	15 mm	Width outer ring
d ₁	≈33.74 mm	Outer diameter inner ring
d ₂	37.4 mm	Outside diameter locking ring
B ₄	4.75 mm	Distance from locking device side face to thread centre
r _{1,2}	min.0.6 mm	Chamfer dimension
s ₁	23.5 mm	Distance from locking device side face to raceway centre

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)		7 000 r/min
Calculation factor	f_0	14

MASS

Mass bearing	0.2 kg
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MOUNTING INFORMATION

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

ASSOCIATED PRODUCTS

Rubber seating ring	RIS 205
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	Bearing Select
Lubrication	General bearing knowledge	Engineering Calculator
Bearing data	Bearing selection process	SimPro Quick
Loads	Bearing failure and how to prevent it	Heater selection tool
Temperature limits		
Permissible speed		
Design considerations		
Mounting and dismounting		
Designation system		

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