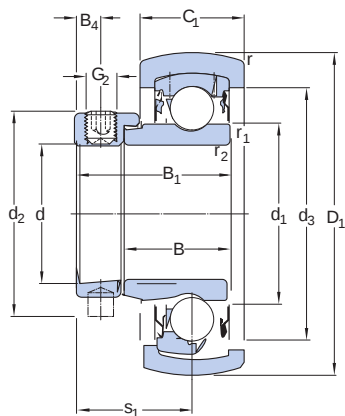


CYS 45 FM



Insert bearings in the YET 2 series, supplied with already fitted rubber seating rings. Located between the bearing outer ring and housing bore, the rubber seating ring dampens vibration and noise and enables the bearings to be displaced slightly in their housings and to accommodate minor shaft expansion or misalignment.

- Quick and easy to mount onto the shaft
- Accommodate static initial misalignment
- Long service life
- Reduced noise and vibration levels



Dimensions		
d	45 mm	Bore diameter
D	85 mm	Outside diameter
D ₁	90.3 mm	Outside diameter rubber seating ring
B ₁	43.7 mm	Overall bearing width
B	30.2 mm	Width of inner ring
C	22 mm	Width of outer ring
C ₁	25 mm	Outer width rubber seating ring
d ₁	≈ 56.8 mm	Outside diameter of inner ring
d ₂	62 mm	Outside diameter of locking collar
d ₃	76.1 mm	Inner diameter rubber seating ring
B ₄	6.75 mm	Distance from side face to thread centre
r _{1,2}	min. 1 mm	Chamfer dimension of inner ring
r	min. 1.5 mm	Chamfer radius rubber seating ring
s ₁	32.7 mm	Distance from locking device side face to raceway centre

Calculation data

Basic dynamic load rating	C	33.2 kN
Basic static load rating	C ₀	21.6 kN
Fatigue load limit	P _u	0.915 kN
Limiting speed		4 300 r/min
		Limiting speed with shaft tolerance h6
Calculation factor	f ₀	14

Mounting information

Set screw	G ₂	M10x1
Hexagonal key size for set screw	N	5 mm
Recommended tightening torque for set screw		16.5 N·m

Included products

Bearing	YET 209
Rubber seating ring	RIS 209 A

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

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

BEARING INTERFACES

- Shaft tolerances