



Bearing No. YET 205-100

D	52 mm
d	25.4 mm
C	15 mm
B	21.5 mm
Noun	Bearing
Bore	1 Inch 25.4 Millimeter
UNSPSC	31171536
series:	YET2
Category	Insert Bearings
Seal Type	M Seal
Size (mm)	52x25.4x31
Inventory	0.0
Snap Ring	No
bore type:	Round
Width (mm)	31
Weight / LBS	0.397
maximum rpm:	7000 RPM
Mass bearing	0.18 kg
B ₁	31 mm
Inch - Metric	Inch
s ₁	23.5 mm
Product Group	M06110
B ₄	4.75 mm
d ₂	37.4 mm
d ₁	33.74 mm
s ₁	23.5 mm
d ₂	37.4 mm
B ₄	4.75 mm
B ₁	31 mm

Keyword String	Insert
bore diameter:	1.0000 in
Bearing number	YET 205-100
Other Features	Single Row Standard Duty With Set Screw
Relubricatable	Yes
Mounting Method	Eccentric Collar
locking device:	Eccentric Collar
finish/coating:	Zinc Plated
Rolling Element	Ball Bearing
Outer Race Width	0.591 Inch 15.011 Millimeter
Long Description	1" Bore; Narrow Inner Ring; Ball Bearing; 1.221" Length Thru Bore; 0.591" Outer Race Width; 2.047" Outside Diameter; Relubricatable; M Seal Seal; Eccentric Collar Mounting Method
Manufacturer URL	http://www.skf.com
Length Thru Bore	1.221 Inch 31.013 Millimeter
Outside Diameter	2.047 Inch 51.994 Millimeter
inner ring width:	31 mm
outer ring width:	15 mm
outside diameter:	52 mm
bearing material:	Stainless Steel
Weight / Kilogram	0.18
Manufacturer Name	SKF
Inner Race Profile	Narrow Inner Ring
Outer Race Profile	Spherical
Bore Diameter (mm)	52
Outer Diameter (mm)	25,4

r _{1,2} min.	0.6 mm
Minimum Buy Quantity	N/A
Mass complete bearing	0.19 kg
d ₁ ?	33.74 mm
Harmonized Tariff Code	8482.10.50.00
r _{1,2} - min.	0.6 mm
Manufacturer Item Number	YET 205-100
Basic dynamic load rating C	14 kN
Limiting speed ¹⁾	7000 r/min
radial static load capacity:	7.8 kN
radial dynamic load capacity:	14 kN
Basic dynamic load rating - C	14 kN
Thread grub screw G ₂	1/4-28 UNF
Calculation factor f ₀	14
Fatigue load limit P _u	0.335 kN
Fatigue load limit - P _u	0.335 kN
Calculation factor - f ₀	14
Hexagonal key size for grub screw N	3.175 mm
Thread - G ₂ - 1/4-28 UNF	1/428 UNF
Hexagonal key size for grub screw - H	3.175 mm
Basic static load rating C ₀	7.8 kN
Limiting speed with shaft tolerance h6	7000 r/min
Basic static load rating - C ₀	7.8 kN
Recommended	4 N·m

tightening torque for grub screw	
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