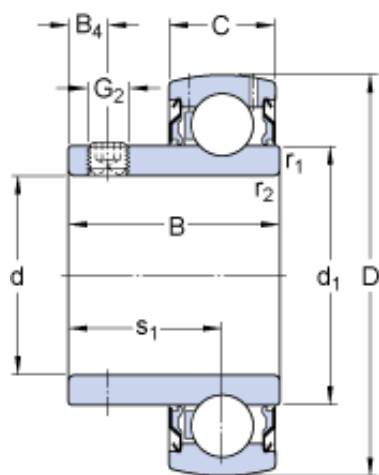




Bearing No. YAT 205-100

D	52 mm
d	25.4 mm
B	27.2 mm
C	15 mm
Noun	Bearing
Bore	1 Inch 25.4 Millimeter
UNSPSC	31171536
Category	Insert Bearings
Inventory	0.0
Seal Type	M Seal
Snap Ring	No
Size (mm)	52x25.4x27.2
Width (mm)	27,2
bore type:	Round
Mass bearing	0.16 kg
maximum rpm:	7000 RPM
Weight / LBS	0.309
Product Group	M06110
Inch - Metric	Inch
S ₁	19.5 mm
B ₄	5 mm
d ₁	33.74 mm
B ₄	5 mm
S ₁	19.5 mm
Keyword String	Insert
Relubricatable	Yes
Other Features	Single Row Standard Duty Grub Screw
bore diameter:	1.0000 in
Bearing number	YAT 205-100

Mounting Method	Set Screw
Rolling Element	Ball Bearing
finish/coating:	Uncoated
locking device:	Set Screw
Length Thru Bore	1.071 Inch 27.203 Millimeter
Long Description	1" Bore; Narrow Inner Ring; Ball Bearing; 1.071" Length Thru Bore; 0.591" Outer Race Width; 2.047" Outside Diameter; Relubricatable; M Seal Seal; Set Screw Mounting Method
Manufacturer URL	http://www.skf.com
Outside Diameter	2.047 Inch 51.994 Millimeter
Outer Race Width	0.591 Inch 15.011 Millimeter
outside diameter:	52 mm
Weight / Kilogram	0.14
Manufacturer Name	SKF
inner ring width:	27.2 mm
outer ring width:	15 mm
Bore Diameter (mm)	52
Inner Race Profile	Narrow Inner Ring
Outer Race Profile	Spherical
Outer Diameter (mm)	25,4
r _{1,2} min.	0.6 mm
Minimum Buy Quantity	N/A
d ₁ ?	33.74 mm
Mass complete bearing	0.16 kg
Harmonized Tariff Code	8482.10.50.00
r _{1,2} - min.	0.6 mm
Manufacturer Item	YAT 205-100

Number	
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
Thread - G ₂ - 1/4-28 UNF	1/428 UNF
Hexagonal key size for grub screw N	3.175 mm
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 tightening torque for grub screw	4 N·m