



SKF-SUDAMERICAN,S.A.



SKF SY 1/2 FM bearing units

Bearing No. SY 1/2 FM

Bore Diameter	12,7 mm
d	12,7 mm
s1	22,1 mm
A	32 mm
A1	18 mm
B1	28,6 mm
H	56 mm
H1	30,2 mm
H2	14 mm
J	97 mm
L	127 mm
N	20,5 mm
N1	11,5 mm
Thread (G)	10
Weight	0,6 Kg
Basic dynamic load rating (C)	9,56 kN
Basic static load rating (C0)	4,75 kN
Fatigue load limit (Pu)	0,2
Category	Pillow Block Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.589
Product Group	M06110
Number of Mounting Holes	2
Mounting Method	Eccentric Collar

SY 1/2 FM Bearing 2D drawings and 3D CAD models



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Housing Style	2 Bolt Pillow Block
Rolling Element	Ball Bearing
Housing Material	Cast Iron
Expansion / Non-expansion	Non-expansion
Mounting Bolts	3/8 Inch
Relubricatable	Yes
Insert Part Number	YET 203-008
Seals	M Seal
Housing Configuration	1 Piece Solid
Inch - Metric	Inch
Other Features	Single Row Standard Duty Narrow Inner Race Y Bearing
Long Description	2 Bolt Pillow Block; 1/2" Bore; 1-3/16" Base to Center Height; Eccentric Collar Mount; Ball Bearing; 3-15/32" Minimum Bolt Spacing; 4-3/16" Bolt Spacing Maximum; Relubricatable; Ca
Category	Pillow Block
UNSPSC	31171511
Harmonized Tariff Code	8483.20.40.40
Noun	Bearing
Keyword String	Pillow Block
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	SY 1/2 FM
Weight / LBS	1.3
Nominal Bolt Center to Center	3.8 Inch 97 Millimeter
Bore	0.5 Inch 12.7 Millimeter
Bolt Spacing Maximum	4.188 Inch 106.375Millimeter
Actual Bolt Center to Center	0 Inch 0Millimeter



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Length Thru Bore	1.125 Inch 28.58 Millimeter
Base to Center Height	1.188 Inch 30.175 Millimeter
Bolt Spacing Minimum	3.469 Inch 88.113Millimeter
Housing material	Cast iron
A ₁	18 mm
B ₁	28.6 mm
H ₁	30.2 mm
H ₂	14 mm
J max.	106 mm
J min.	88 mm
N ₁	11.5 mm
s ₁	22.1 mm
R _G	1/4-28 UNF
R ₁	1 mm
R	45 °
D _N	6.5 mm
SW _N	7 mm
G _N	1/4-28 SAE-LT
J ₆	118 mm
J ₇	11.5 mm
N ₄	2 mm
Basic dynamic load rating C	9.56 kN
Basic static load rating C ₀	4.75 kN
Fatigue load limit P _u	0.2 kN
Limiting speed	9500 r/min
Mass bearing unit	0.52 kg
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



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Recommended diameter for attachment bolts, mm G	10 mm
Recommended diameter for attachment bolts, inch G	0.375 in
Housing	SY 503 M
Bearing	YET 203-008