



Zaozhuang Yiding Bearing Co., Ltd.



SKF SY 45 FM bearing units

Bearing No. SY 45 FM

SY 45 FM Bearing 2D drawings and 3D CAD models

Bore Diameter	45 mm
d	45 mm
s1	32,7 mm
A	48 mm
A1	32 mm
B1	43,7 mm
G	12 mm
H	107,5 mm
H1	54 mm
H2	21 mm
J	143,5 mm
L	187 mm
N	22,5 mm
N1	14 mm
Weight	2,25 Kg
Basic dynamic load rating (C)	33,2 kN
Basic static load rating (C0)	21,6 kN
Fatigue load limit (Pu)	0,915
Category	Pillow Block Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.25
EAN	7316577730268
Product Group	M06110
Number of Mounting Holes	2



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Mounting Method	Eccentric Collar
Housing Style	2 Bolt Pillow Block
Rolling Element	Ball Bearing
Housing Material	Cast Iron
Expansion / Non-expansion	Non-expansion
Mounting Bolts	12 Millimeter
Relubricatable	Yes
Insert Part Number	YET 209
Seals	M Seal
Housing Configuration	1 Piece Solid
Inch - Metric	Metric
Other Features	Single Row Standard Duty Narrow Inner Race Y Bearing
Long Description	2 Bolt Pillow Block; 45MM Bore; 54MM Base to Center Height; Eccentric Collar Mount; Ball Bearing; Relubricatable; Cast Iron; M Seal; Non-expansion
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 45 FM
Weight / LBS	4.96
Bolt Spacing Maximum	0 Inch 0Millimeter
Length Thru Bore	1.72 Inch 43.7 Millimeter
Nominal Bolt Center to Center	5.6 Inch 142.5 Millimeter
Actual Bolt Center to Center	5.6 Inch 143Millimeter
Bolt Spacing Minimum	0 Inch 0Millimeter



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Bore	1.772 Inch 45 Millimeter
Base to Center Height	2.126 Inch 54 Millimeter
mounting:	Two-Bolt Base
finish/coating:	Uncoated
bore diameter:	45 mm
operating temperature range:	+55 to +120 ° F
bore type:	Round
base width:	48 mm
base to bore centerline:	54 mm
bolt center-to-center length:	143.5 mm
housing material:	Cast Iron
lubrication type:	Lubrication Fitting
expansion type:	Non-Expansion Bearing (Fixed)
series:	SY
overall length:	187 mm
replacement bearing:	YET 209
overall height:	107.5 mm
Housing material	Cast iron
A ₁	32 mm
A ₅	23 mm
B ₁	43.7 mm
H ₁	54 mm
H ₂	21 mm
J max.	152 mm
J min.	135 mm
N ₁	14 mm
s ₁	32.7 mm
R _G	1/4-28 UNF
R ₁	4 mm
R	45 °
D _N	6.5 mm



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SW_N	7 mm
G_N	1/4-28 SAE-LT
J_6	173 mm
J_7	17 mm
N_4	4 mm
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	4300 r/min
Mass bearing unit	2.15 kg
Thread grub screw G_2	M10x1
Hexagonal key size for grub screw N	5 mm
Recommended tightening torque for grub screw	16.5 N · m
Recommended diameter for attachment bolts, mm G	12 mm
Recommended diameter for attachment bolts, inch G	0.5 in