



BEARING USA CORP.



SKF SY 45 WF Bearing units

Bearing No. SY 45 WF

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

Bore Diameter	45 mm
d	45 mm
s1	34,9 mm
A	48 mm
A1	32 mm
B1	56,3 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	2,35 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	2.35
Product Group	M06110
Number of Mounting Holes	2
Mounting Method	Eccentric Collar



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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	12 Millimeter
Relubricatable	Yes
Insert Part Number	YEL 209-2F
Seals	M Seal
Housing Configuration	1 Piece Solid
Inch - Metric	Metric
Other Features	Single Row Standard Duty Wide Inner Race Y Bearing Has Flinger
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 WF
Weight / LBS	5.18
Bolt Spacing Minimum	0 Inch 0Millimeter
Bolt Spacing Maximum	0 Inch 0Millimeter
Nominal Bolt Center to Center	5.8 Inch 146.5 Millimeter
Length Thru Bore	2.217 Inch 56.3 Millimeter
Base to Center Height	2.126 Inch 54 Millimeter
Bore	1.772 Inch 45 Millimeter



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Actual Bolt Center to Center	5.6 Inch 143Millimeter
Housing material	Cast iron
A ₁	32 mm
A ₅	23 mm
B ₁	56.3 mm
H ₁	54 mm
H ₂	21 mm
J max.	152 mm
J min.	135 mm
N ₁	14 mm
s ₁	34.9 mm
R _G	1/4-28 UNF
R ₁	4 mm
R	45 °
D _N	6.5 mm
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	2.25 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



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Recommended diameter for attachment bolts, inch G
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0.5 in
