



# Bearing equipment manufacturing Co., Ltd



## SKF SY 55 FM bearing units

Bearing No. SY 55 FM

SY 55 FM Bearing 2D drawings and 3D CAD models

Bore Diameter	55 mm
d	55 mm
s1	36,4 mm
A	60 mm
A1	40 mm
B1	48,4 mm
G	16 mm
H	126 mm
H1	63,5 mm
H2	24 mm
J	171,5 mm
L	219 mm
N	27,5 mm
N1	18 mm
Weight	3,65 Kg
Basic dynamic load rating (C)	43,6 kN
Basic static load rating (C0)	29 kN
Fatigue load limit (Pu)	1,25
Category	Pillow Block Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	3.66
EAN	7316570961072
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	16 Millimeter
Relubricatable	Yes
Insert Part Number	YET 211
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; 55MM Bore; 63.5MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	SY 55 FM
Weight / LBS	8.05
Bore	2.165 Inch   55 Millimeter
Length Thru Bore	1.906 Inch   48.42 Millimeter
Base to Center Height	2.5 Inch   63.5 Millimeter
Nominal Bolt Center to Center	6.8 Inch   171.5 Millimeter
Bolt Spacing Maximum	0 Inch   0Millimeter



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Bolt Spacing Minimum	0 Inch   0Millimeter
Actual Bolt Center to Center	6.8 Inch   171.5Millimeter
mounting:	Two-Bolt Base
overall width:	40 mm
bore diameter:	55 mm
radial dynamic load capacity:	43.6 kN
bore type:	Round
radial static load capacity:	29 kN
base to bore centerline:	2.5000 in
base width:	60 mm
housing material:	Cast Iron
bolt center-to-center length:	171.5 mm
locking device:	Eccentric Collar
maximum rpm:	3600 RPM
expansion type:	Non-Expansion Bearing (Fixed)
lubrication type:	Lubrication Fitting
overall length:	219 mm
series:	SY
overall height:	126 mm
replacement bearing:	YET 211
finish/coating:	Uncoated
standards met:	ISO
Housing material	Cast iron
A <sub>1</sub>	40 mm
A <sub>5</sub>	34 mm
B <sub>1</sub>	48.4 mm
H <sub>1</sub>	63.5 mm
H <sub>2</sub>	24 mm
J max.	181 mm
J min.	162 mm



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$N_1$	18 mm
$s_1$	35.9 mm
$R_G$	1/4-28 UNF
$R_1$	4.5 mm
R	45 °
$D_N$	6.5 mm
$SW_N$	7 mm
$G_N$	1/4-28 SAE-LT
$J_6$	201 mm
$J_7$	21 mm
$N_4$	4 mm
Basic dynamic load rating C	43.6 kN
Basic static load rating $C_0$	29 kN
Fatigue load limit $P_u$	1.25 kN
Limiting speed	3600 r/min
Mass bearing unit	3.25 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	16 mm
Recommended diameter for attachment bolts, inch G	0.625 in