



# Ligao Mechanical Bearing Co., Ltd



## SKF SY 20 FM bearing units

Bearing No. SY 20 FM

SY 20 FM Bearing 2D drawings and 3D CAD models

Bore Diameter	20 mm
d	20 mm
s1	23,5 mm
A	32 mm
A1	21 mm
B1	31 mm
G	10 mm
H	65 mm
H1	33,3 mm
H2	14 mm
J	97 mm
L	127 mm
N	20,5 mm
N1	11,5 mm
Weight	0,59 Kg
Basic dynamic load rating (C)	12,7 kN
Basic static load rating (C0)	6,55 kN
Fatigue load limit (Pu)	0,28
Category	Pillow Block Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.59
EAN	7316570919431
Product Group	M06110
Number of Mounting Holes	2



## Ligao Mechanical Bearing Co., Ltd

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	10 Millimeter
Relubricatable	Yes
Insert Part Number	YET 204
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; 20MM Bore; 33.3MM 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 20 FM
Weight / LBS	1.3
Bolt Spacing Minimum	0 Inch   0Millimeter
Bolt Spacing Maximum	0 Inch   0Millimeter
Length Thru Bore	1.22 Inch   31 Millimeter
Bore	0.787 Inch   20 Millimeter
Nominal Bolt Center to Center	3.8 Inch   97 Millimeter



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Actual Bolt Center to Center	3.8 Inch   96Millimeter
Base to Center Height	1.311 Inch   33.3 Millimeter
mounting:	Two-Bolt Base
overall width:	21 mm
bore diameter:	20 mm
radial dynamic load capacity:	12.7 kN
bore type:	Round
radial static load capacity:	6.55 kN
base to bore centerline:	1.3110 in
base width:	32 mm
housing material:	Cast Iron
bolt center-to-center length:	97 mm
locking device:	Eccentric Collar
maximum rpm:	8500 RPM
expansion type:	Non-Expansion Bearing (Fixed)
lubrication type:	Lubrication Fitting
overall length:	127 mm
series:	SY
overall height:	65 mm
replacement bearing:	YET 204
finish/coating:	Uncoated
standards met:	ISO
Housing material	Cast iron
A <sub>1</sub>	21 mm
A <sub>5</sub>	18.5 mm
B <sub>1</sub>	31 mm
H <sub>1</sub>	33.3 mm
H <sub>2</sub>	14 mm
J max.	106 mm
J min.	88 mm



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$N_1$	11.5 mm
$s_1$	24 mm
$R_G$	1/4-28 UNF
$R_1$	2 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	12.7 kN
Basic static load rating $C_0$	6.55 kN
Fatigue load limit $P_u$	0.28 kN
Limiting speed	8500 r/min
Mass bearing unit	0.59 kg
Thread grub screw $G_2$	M6x0.75
Hexagonal key size for grub screw N	3 mm
Recommended tightening torque for grub screw	4 N · m
Recommended diameter for attachment bolts, mm G	10 mm
Recommended diameter for attachment bolts, inch G	0.375 in