



# BEARING FORGE OF AMERICA CORP.



skf sy 20 tf bearing

Bearing No. sy 20 tf

sy 20 tf Bearing 2D drawings and 3D CAD models

Bore Diameter	20 mm
d	20 mm
s1	18,3 mm
A	32 mm
A1	21 mm
B	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	0,57 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	0.57
EAN	7316577032133
Product Group	M06110
Number of Mounting Holes	2



## BEARING FORGE OF AMERICA CORP.

Mounting Method	Set Screw
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	YAR 204-2F
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; 20MM Bore; 33.3MM Base to Center Height; Set Screw 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 TF
Weight / LBS	1.26
Length Thru Bore	1.22 Inch   31 Millimeter
Bolt Spacing Minimum	0 Inch   0Millimeter
Nominal Bolt Center to Center	3.8 Inch   97 Millimeter
Actual Bolt Center to Center	3.8 Inch   96Millimeter
Bolt Spacing Maximum	0 Inch   0Millimeter



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Bore	0.787 Inch   20 Millimeter
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:	Set Screw
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:	YAR 204-2F
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>4</sub>	4.5 mm
H <sub>1</sub>	33.3 mm
H <sub>2</sub>	14 mm
J max.	106 mm
J min.	88 mm
N <sub>1</sub>	11.5 mm



## BEARING FORGE OF AMERICA CORP.

$s_1$	18.3 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	0.55 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
Housing	SY 504 M
Bearing	YAR 204-2F
End cover	ECY 204