



## skf sy 45 tf bearing

Bearing No. sy 45 tf

sy 45 tf Bearing 2D drawings and 3D CAD models

Bore Diameter	45 mm
d	45 mm
s1	30,2 mm
A	48 mm
A1	32 mm
B	49,2 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	2,2 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	2.2
EAN	7316577032140
Product Group	M06110
Number of Mounting Holes	2



## PRECISION BEARING 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	12 Millimeter
Relubricatable	Yes
Insert Part Number	YAR 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; 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 45 TF
Weight / LBS	4.85
Actual Bolt Center to Center	5.6 Inch   143Millimeter
Bolt Spacing Minimum	0 Inch   0Millimeter
Bore	1.772 Inch   45 Millimeter
Base to Center Height	2.126 Inch   54 Millimeter
Bolt Spacing Maximum	0 Inch   0Millimeter



## PRECISION BEARING CORP.

Nominal Bolt Center to Center	5.8 Inch   146.5 Millimeter
Length Thru Bore	1.937 Inch   49.2 Millimeter
mounting:	Two-Bolt Base
overall width:	32 mm
bore diameter:	45 mm
radial dynamic load capacity:	33.2 kN
bore type:	Round
radial static load capacity:	21.6 kN
base to bore centerline:	54 mm
base width:	48 mm
housing material:	Cast Iron
bolt center-to-center length:	143.5 mm
locking device:	Set Screw
maximum rpm:	4300 RPM
expansion type:	Non-Expansion Bearing (Fixed)
lubrication type:	Lubrication Fitting
overall length:	187 mm
series:	SY
overall height:	107.5 mm
replacement bearing:	YAR 209-2F
finish/coating:	Uncoated
standards met:	ISO
Housing material	Cast iron
A <sub>1</sub>	32 mm
A <sub>5</sub>	23 mm
B <sub>4</sub>	8 mm
H <sub>1</sub>	54 mm
H <sub>2</sub>	21 mm
J max.	152 mm
J min.	135 mm



## PRECISION BEARING CORP.

$N_1$	14 mm
$s_1$	30.2 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	2.1 kg
Thread grub screw $G_2$	M8x1
Hexagonal key size for grub screw N	4 mm
Recommended tightening torque for grub screw	6.5 N · m
Recommended diameter for attachment bolts, mm G	12 mm
Recommended diameter for attachment bolts, inch G	0.5 in