



# Bearing equipment manufacturing Co., Ltd



## SKF SY 50 TF bearing units

Bearing No. SY 50 TF

SY 50 TF Bearing 2D drawings and 3D CAD models

Bore Diameter	50 mm
d	50 mm
s1	32,6 mm
A	54 mm
A1	34 mm
B	51,6 mm
G	16 mm
H	114,5 mm
H1	57,2 mm
H2	22 mm
J	157 mm
L	203 mm
N	26 mm
N1	18 mm
Weight	2,7 Kg
Basic dynamic load rating (C)	35,1 kN
Basic static load rating (C0)	23,2 kN
Fatigue load limit (Pu)	0,98
Category	Pillow Block Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.703
EAN	7316577029393
Product Group	M06110
Number of Mounting Holes	2



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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	16 Millimeter
Relubricatable	Yes
Insert Part Number	YAR 210-2F
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; 50MM Bore; 57.2MM 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 50 TF
Weight / LBS	5.95
Base to Center Height	2.252 Inch   57.2 Millimeter
Bolt Spacing Minimum	0 Inch   0Millimeter
Bore	1.969 Inch   50 Millimeter
Bolt Spacing Maximum	0 Inch   0Millimeter
Length Thru Bore	2.031 Inch   51.59 Millimeter



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Actual Bolt Center to Center	6.2 Inch   157Millimeter
Nominal Bolt Center to Center	6.3 Inch   160 Millimeter
mounting:	Two-Bolt Base
overall width:	34 mm
bore diameter:	50 mm
radial dynamic load capacity:	35.1 kN
bore type:	Round
radial static load capacity:	23.2 kN
base to bore centerline:	2.2520 in
base width:	54 mm
housing material:	Cast Iron
bolt center-to-center length:	157 mm
locking device:	Set Screw
maximum rpm:	4000 RPM
expansion type:	Non-Expansion Bearing (Fixed)
lubrication type:	Lubrication Fitting
overall length:	203 mm
series:	SY
overall height:	114.5 mm
replacement bearing:	YAR 210-2F
finish/coating:	Uncoated
standards met:	ISO
Housing material	Cast iron
A <sub>1</sub>	34 mm
A <sub>5</sub>	29.5 mm
B <sub>4</sub>	9 mm
H <sub>1</sub>	57.2 mm
H <sub>2</sub>	22 mm
J max.	165 mm



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J min.	149 mm
N <sub>1</sub>	18 mm
s <sub>1</sub>	32.6 mm
R <sub>G</sub>	1/4-28 UNF
R <sub>1</sub>	4 mm
R	45 °
D <sub>N</sub>	6.5 mm
SW <sub>N</sub>	7 mm
G <sub>N</sub>	1/4-28 SAE-LT
J <sub>6</sub>	187 mm
J <sub>7</sub>	19 mm
N <sub>4</sub>	4 mm
Basic dynamic load rating C	35.1 kN
Basic static load rating C <sub>0</sub>	23.2 kN
Fatigue load limit P <sub>u</sub>	0.98 kN
Limiting speed	4000 r/min
Mass bearing unit	2.6 kg
Thread grub screw G <sub>2</sub>	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
Housing	SY 510 M
Bearing	YAR 210-2F
End cover	ECY 210