



# BTE Bearing Power Machinery Co., Ltd.



## SKF SYJ 80 TF bearing units

Bearing No. SYJ 80 TF

SYJ 80 TF Bearing 2D drawings and 3D CAD models

Bore Diameter	80 mm
d	80 mm
s1	47,7 mm
A	78 mm
A1	50 mm
B	77,9 mm
G	20 mm
H	176 mm
H1	88,9 mm
H2	30 mm
J	232 mm
L	292 mm
N	35 mm
N1	25 mm
Weight	9,7 Kg
Basic dynamic load rating (C)	72,8 kN
Basic static load rating (C0)	53 kN
Fatigue load limit (Pu)	2,16
Category	Pillow Block Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	9.72
EAN	7316571007892
Product Group	M06110
Number of Mounting Holes	2



## BTE Bearing Power Machinery Co., Ltd.

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	20 Millimeter
Relubricatable	Yes
Insert Part Number	YAR 216-2F
Seals	M Seal
Housing Configuration	1 Piece Solid
Inch - Metric	Metric
Other Features	Single Row   Y Bearing   With Grub Screw
Long Description	2 Bolt Pillow Block; 80MM Bore; 88.9MM 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	SYJ 80 TF
Weight / LBS	21.4
Bore	3.15 Inch   80 Millimeter
Nominal Bolt Center to Center	9.1 Inch   232 Millimeter
Actual Bolt Center to Center	9.1 Inch   232Millimeter
Bolt Spacing Minimum	0 Inch   0Millimeter
Bolt Spacing Maximum	0 Inch   0Millimeter



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Base to Center Height	3.5 Inch   88.9 Millimeter
Length Thru Bore	3.067 Inch   77.9 Millimeter
Housing material	Cast iron
A <sub>1</sub>	50 mm
B <sub>4</sub>	12 mm
H <sub>1</sub>	88.9 mm
H <sub>2</sub>	30 mm
J max.	242 mm
J min.	222 mm
N <sub>1</sub>	25 mm
s <sub>1</sub>	47.6 mm
R <sub>G</sub>	1/4-28 UNF
R <sub>1</sub>	6.5 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>	270 mm
J <sub>7</sub>	28 mm
N <sub>4</sub>	4 mm
Basic dynamic load rating C	72.8 kN
Basic static load rating C <sub>0</sub>	53 kN
Fatigue load limit P <sub>u</sub>	2.16 kN
Limiting speed	2400 r/min
Mass bearing unit	8.5 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	20 mm
Recommended diameter for	0.75 in



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attachment bolts, inch G	
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