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SKF SY 45 TR bearing units

Bearing No. SY 45 TR

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	2.338
EAN	7316571024905
Product Group	M06110
Number of Mounting Holes	2

SY 45 TR Bearing 2D drawings and 3D CAD models



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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	12 Millimeter
Relubricatable	Yes
Insert Part Number	YAR 209-2RF
Seals	Multi Function 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; Multi Function Seal; Non-expansion
Category	Pillow Block
UNSPSC	31171511
Harmonized Tariff Code	8483.20.40.40
Noun	Bearing
Keyword String	Pillow Block
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	SY 45 TR
Weight / LBS	4.85
Base to Center Height	2.126 Inch 54 Millimeter
Length Thru Bore	1.937 Inch 49.2 Millimeter
Bolt Spacing Maximum	0 Inch 0Millimeter
Actual Bolt Center to Center	5.6 Inch 143Millimeter
Bore	1.772 Inch 45 Millimeter



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Nominal Bolt Center to Center	5.6 Inch 142.5 Millimeter
Bolt Spacing Minimum	0 Inch 0 Millimeter
Housing material	Cast iron
A ₁	32 mm
A ₅	23 mm
B ₄	8 mm
H ₁	54 mm
H ₂	21 mm
J max.	152 mm
J min.	135 mm
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	2400 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	12 mm



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attachment bolts, mm G	
Recommended diameter for attachment bolts, inch G	0.5 in