



## BEARINGS(UK)LTD.



25.4 mm x 52 mm x 34.1 mm skf YAR  
205-100-2F Insert bearings (Y-bearings)

Bearing No. YAR 205-100-2F

YAR 205-100-2F Bearing 2D drawings and 3D CAD models

Category	Insert Bearings Spherical OD
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.17
EAN	7316577748584
Product Group	M06110
Inner Race Profile	Wide Inner Ring
Outer Race Profile	Spherical
Relubricatable	Yes
Seal Type	M Seal
Mounting Method	Set Screw
Rolling Element	Ball Bearing
Snap Ring	No
Long Description	1" Bore; Wide Inner Ring; Ball Bearing; 1.343" Length Thru Bore; 0.591" Outer Race Width; 2.047" Outside Diameter; Relubricatable; M Seal Seal; Set Screw Mounting Method
Inch - Metric	Inch
Other Features	Single Row   Standard Duty   Grub Screw   Has Flinger
Category	Insert Bearings
UNSPSC	31171536
Harmonized Tariff Code	8482.10.50.00



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Noun	Bearing
Keyword String	Insert
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	YAR 205-100-2F
Weight / LBS	0.375
D	1.343 Inch   34.112 Millimeter
D	2.047 Inch   51.994 Millimeter
Outer Race Width	0.591 Inch   15.011 Millimeter
d	1 Inch   25.4 Millimeter
bore diameter:	1.0000 in
radial dynamic load capacity:	14 kN
outside diameter:	52 mm
radial static load capacity:	7.8 kN
outer ring width:	15 mm
finish/coating:	Uncoated
inner ring width:	34.1 mm
maximum rpm:	7000 RPM
bore type:	Round
seal type:	Contact with Flinger
locking device:	Set Screw
d	25.4 mm
D	52 mm
B	34.1 mm
C	15 mm
d <sub>1</sub>	33.74 mm
B <sub>4</sub>	5 mm
r <sub>1,2</sub> min.	0.6 mm
s <sub>1</sub>	19.8 mm
Basic dynamic load rating C	14 kN



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Basic static load rating $C_0$	7.8 kN
Fatigue load limit $P_u$	0.335 kN
Limiting speed <sup>1)</sup>	7000 r/min
Calculation factor $f_0$	14
Mass complete bearing	0.19 kg
Thread grub screw $G_2$	1/4-28 UNF
Hexagonal key size for grub screw N	3.175 mm
Recommended tightening torque for grub screw	4 N · m