



**Bearing No. YEL 205-100-2F**

C	15 mm
B	34.9 mm
d	25.4 mm
D	52 mm
Noun	Bearing
Bore	1 Inch   25.4 Millimeter
UNSPSC	31171536
series:	YEL2
Category	Insert Bearings
Seal Type	M Seal
Size (mm)	52x25.4x44.4
Inventory	0.0
Snap Ring	No
seal type:	Contact with Flinger
Width (mm)	44,4
bore type:	Round
Weight / LBS	0.485
Mass bearing	0.22 kg
maximum rpm:	7000 RPM
B <sub>1</sub>	44.4 mm
d <sub>1</sub>	33.74 mm
B <sub>4</sub>	4.75 mm
s <sub>1</sub>	26.9 mm
d <sub>2</sub>	37.4 mm
B <sub>4</sub>	4.75 mm
s <sub>1</sub>	26.9 mm
Product Group	M06110
d <sub>2</sub>	37.4 mm
Inch - Metric	Inch

B <sub>1</sub>	44.4 mm
bore diameter:	1.0000 in
Keyword String	Insert
Other Features	Single Row   Standard Duty   With Set Screw   Has Flinger
Bearing number	YEL 205-100-2F
Relubricatable	Yes
Rolling Element	Ball Bearing
locking device:	Eccentric Collar
finish/coating:	Zinc Plated
Mounting Method	Eccentric Collar
Outer Race Width	0.591 Inch   15.011 Millimeter
Long Description	1" Bore; Wide Inner Ring; Ball Bearing; 1.748" Length Thru Bore; 0.591" Outer Race Width; 2.047" Outside Diameter; Relubricatable; M Seal Seal; Eccentric Collar Mounting Method
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	2.047 Inch   51.994 Millimeter
Length Thru Bore	1.748 Inch   44.399 Millimeter
bearing material:	Stainless Steel
outer ring width:	15 mm
outside diameter:	52 mm
inner ring width:	44.4 mm
Manufacturer Name	SKF
Weight / Kilogram	0.22
Inner Race Profile	Wide Inner Ring
Outer Race Profile	Spherical

Bore Diameter (mm)	52
Outer Diameter (mm)	25,4
$r_{1,2}$ min.	0.6 mm
Minimum Buy Quantity	N/A
Mass complete bearing	0.24 kg
$d_1$ ?	33.74 mm
$r_{1,2}$ - min.	0.6 mm
Harmonized Tariff Code	8482.10.50.00
Manufacturer Item Number	YEL 205-100-2F
Basic dynamic load rating C	14 kN
Limiting speed <sup>1)</sup>	7000 r/min
radial static load capacity:	7.8 kN
operating temperature range:	-40 to +210 °F
Basic dynamic load rating - C	14 kN
radial dynamic load capacity:	14 kN
Thread grub screw $G_2$	1/4-28 UNF
Calculation factor $f_0$	14
Fatigue load limit $P_u$	0.335 kN
Fatigue load limit - $P_u$	0.335 kN
Calculation factor - $f_0$	14
Hexagonal key size for grub screw N	3.175 mm
Thread - $G_2$ - 1/4-28 UNF	1/4-28 UNF
Hexagonal key size for grub screw - H	3.175 mm
Limiting speed with shaft tolerance h6	7000 r/min
Basic static load rating	7.8 kN

$C_0$	
Basic static load rating - $C_0$	7.8 kN
Recommended tightening torque for grub screw	4 N·m