



**Bearing No. NU 416**

s	3.7 mm
d	80 mm
D	200 mm
B	48 mm
F	110 mm
s max.	3.7 mm
series:	NU
Category	Roller Bearings
flanges:	(2) Flanges on outer Ring, Flangeless Inner Ring
Inventory	0.0
Size (mm)	200x80x48
bore type:	Straight
Width (mm)	48
maximum rpm:	4500 rpm
Mass bearing	7.24 kg
closure type:	Open
D <sub>1</sub>	158.1 mm
Product Group	B04144
Limiting speed	4500 r/min
cage material:	Steel
overall width:	48 mm
bore diameter:	80 mm
Bearing number	NU 416
Reference speed	3800 r/min
number of rows:	1
finish/coating:	Uncoated
Limiting value e	0.2
outside diameter:	200 mm
bearing material:	Steel

Weight / Kilogram	0
Manufacturer Name	SKF
r <sub>b</sub> max.	2.5 mm
Bore Diameter (mm)	200
d <sub>a</sub> min.	96 mm
d <sub>a</sub> max.	107 mm
d <sub>b</sub> min.	112 mm
D <sub>a</sub> max.	184 mm
r <sub>a</sub> max.	2.5 mm
Outer Diameter (mm)	80
Axial load factor Y	0.6
d <sub>a</sub> - min.	96 mm
d <sub>a</sub> - max.	107 mm
r <sub>3,4</sub> min.	3 mm
d <sub>b</sub> - min.	112 mm
D <sub>a</sub> - max.	184 mm
Minimum Buy Quantity	N/A
r <sub>a</sub> - max.	2.5 mm
r <sub>b</sub> - max.	2.5 mm
r <sub>1,2</sub> min.	3 mm
static load capacity:	320 kN
D <sub>1</sub> ?	158.1 mm
dynamic load capacity:	303 kN
r <sub>1,2</sub> - min.	3 mm
r <sub>3,4</sub> - min.	3 mm
manufacturer upc number:	7316577064073
Basic dynamic load rating C	303 kN
operating temperature range:	Maximum 302 °F
Basic dynamic load rating - C	303 kN

Fatigue load limit $P_u$	39 kN
Calculation factor $k_r$	0.15
Calculation factor - $k_r$	0.15
Fatigue load limit - $P_u$	39 kN
Basic static load rating $C_0$	320 kN
Basic static load rating - $C_0$	320 kN