

# ISO 7208 BDT angular contact ball bearings

Our highly-skilled and factory-trained service 215x100x47 Size (mm) experts have the resources to help you with all your ISO 7208 BDT angular contact ball bearings needs – including routine maintenance, major repairs, 100 Outer Diameter (mm) warranty service, and equipment inspections.

Size (mm)	215x100x47
Bore Diameter (mm)	215
Outer Diameter (mm)	100
Width (mm)	47
d	100 mm
D	215 mm
B	47 mm
d1	139 mm
E	191.5 mm
r1,2 – min.	3 mm
r3,4 – min.	3 mm
s	2.9 mm
da – min.	114 mm
da – max.	188 mm
Da – min.	195 mm
Da – max.	200 mm
ra – max.	2.5 mm
rb – max.	2.5 mm
Basic dynamic load rating – C	450 kN
Basic static load rating – C0	440 kN

Fatigue load limit – Pu	51 kN
Reference speed	3200 r/min
Limiting speed	3800 r/min
Calculation factor – kr	0.12
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	8.592
EAN	7316576626838
Product Group	B04144
Bore Profile	Straight
Cage Material	Brass
Precision Class	RBEC 1   ISO P0
Number of Rows of Rollers	Single Row
Separable	Outer Ring – Both Sides
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch – Metric	Metric
Other Features	High Capacity   2 Rib Inner Ring   Plain Outer Ring   Cage on Inner Ring OD
Long Description	100MM Bore; Straight Bore Profile; 215MM Outside Diameter; 47MM Width; Brass Cage Matetrial; RBEC 1

UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer Item Number	N 320 ECM
Weight / LBS	18.925
Outside Diameter	8.465 Inch   215 Millimeter
Bore	3.937 Inch   100 Millimeter
Width	1.85 Inch   47 Millimeter
bore diameter:	100 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	215 mm
maximum rpm:	3800 RPM
overall width:	47 mm
bearing material:	Steel
flanges:	(2) Inner Ring
cage material:	Brass
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	C0
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
ring separation:	Separable Ring
outer ring width:	47 mm
operating temperature range:	Maximum of +300 °F
fillet radius:	2.5 mm
dynamic load capacity:	450 kN
series:	N3

static load capacity:	440 kN
d1 ≈	139 mm
r1,2 min.	3 mm
r3,4 min.	3 mm
s max.	2.9 mm
da min.	114 mm
da max.	188 mm
Da min.	195 mm
Da max.	200 mm
ra max.	2.5 mm
rb max.	2.5 mm
Basic dynamic load rating C	450 kN
Basic static load rating C0	440 kN
Fatigue load limit Pu	51 kN
Calculation factor kr	0.12
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	8.54 kg