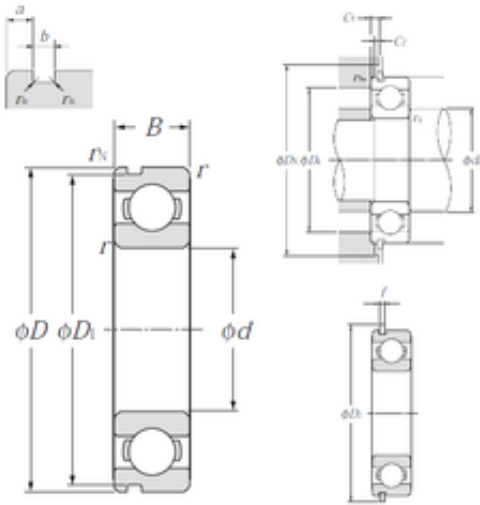




REXROTH BEARINGS DEVELOPMENT LTD



60 mm x 95 mm x 18 mm NTN 6012NR deep groove ball bearings

Bearing No. 6012NR

Size	60x95x18 mm
Bore Diameter	60 mm
Outer Diameter	95 mm
Width	18 mm
d	60 mm
D	95 mm
B	18 mm
C	18 mm
rn	0,5 mm
a	2,87 mm
b	2,7 mm
f	2,46 mm
r min.	1,1 mm
r0 max.	0,6 mm
D1	91,82 mm
D2	101,6 mm
da min.	66,5 mm
da max	69 mm
Da max.	88,5 mm
ra max.	1 mm
Dx	103 mm
Cy	5 mm
Cz	2,5 mm
rn	0,5 mm
Weight	0,414 Kg

6012NR Bearing 2D drawings and 3D CAD models



REXROTH BEARINGS DEVELOPMENT LTD

Basic dynamic load rating (C)	29,5 kN
Basic static load rating (C0)	23,2 kN
(Grease) Lubrication Speed	7 000 r/min
(Oil) Lubrication Speed	8 300 r/min
a min	2.67 mm
a max	2.87 mm
Ca min	5.13 mm
Ca max	5.33 mm
rs min	1.1 mm
rNs min	0.5 mm
D3 max	91.82 mm
b min	2.7 mm
b max	3 mm
r0 max	0.6 mm
D4 max	101.6 mm
Snap ring reference	R95
Radial clearance class	CN
Mass	0.41 kg
Dynamic load, C	29.5 kN
Static load, C0	23.2 kN
Fatigue limit load, Cu	1.05 kN
f0	15.6
Nlim (oil)	8,300 rpm
Nlim (grease)	7,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	7.38 Hz
Characteristic outer ring	6.07 Hz



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frequency, BPF0	
Characteristic inner ring frequency, BPF1	7.93 Hz
da min	66.5 mm
Da max	88.5 mm
ra max	1 mm
rNa max	0.5 mm
Db min	103 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.42
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	Yes
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	60MM Bore; 95MM Outside Diameter; 18MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing



REXROTH BEARINGS DEVELOPMENT LTD

Keyword String	Ball
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	6012NR
Weight / LBS	0.915
Bore	2.362 Inch 60 Millimeter
Outer Race Width	0.709 Inch 18 Millimeter
Outside Diameter	3.74 Inch 95 Millimeter
bore diameter:	60 mm
finish/coating:	Uncoated
outside diameter:	95 mm
bearing material:	High Carbon Chrome Steel
overall width:	18 mm
cage material:	Steel
bore type:	Round
inner ring width:	18 mm
closure type:	Open
outer ring width:	18 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	7000 rpm
snap ring included:	With Snap Ring
maximum rpm (oil):	8300 rpm
internal clearance:	CN
fillet radius:	1.1 mm
operating temperature range:	-40 to 120 ° C
maximum rpm:	8300 RPM
dynamic load capacity:	29500 N
series:	60
static load capacity:	23200 N
manufacturer product page:	Click here
precision rating:	ISO Class 0