



## NTN-SNR BEARING RULMENTI S.R.L.

15 mm x 35 mm x 11 mm NTN 7202 Single row  
or matched pairs of angular contact ball bearings



7202 Bearing 2D drawings and 3D CAD models

Bearing No. 7202

|                               |              |
|-------------------------------|--------------|
| Size                          | 15x35x11 mm  |
| Bore Diameter                 | 15 mm        |
| Outer Diameter                | 35 mm        |
| Width                         | 11 mm        |
| d                             | 15 mm        |
| D                             | 35 mm        |
| B                             | 11 mm        |
| C                             | 11 mm        |
| Angle ( ° )                   | 25 °         |
| a                             | 12,5 mm      |
| r min.                        | 0,6 mm       |
| r1 min.                       | 0,3 mm       |
| da min.                       | 19,5 mm      |
| db min                        | 17,5 mm      |
| ra max.                       | 0,6 mm       |
| Weight                        | 0,046 Kg     |
| Basic dynamic load rating (C) | 9,05 kN      |
| Basic static load rating (C0) | 4,7 kN       |
| (Grease) Lubrication Speed    | 22 000 r/min |
| Contact angle                 | 30 °         |
| rs min                        | 0.6 mm       |
| r1s min                       | 0.3 mm       |
| Mass                          | 0.05 kg      |
| Dynamic load, C               | 9.05 kN      |
| Static load, C0               | 4.7 kN       |



## NTN-SNR BEARING RULMENTI S.R.L.

|                                 |  |
|---------------------------------|--|
| Fatigue limit load, Cu          | 0.21 kN                                |
| Nlim (oil)                      | 29,000 rpm                             |
| Nlim (grease)                   | 22,000 rpm                             |
| Min operating temperature, Tmin | -40 ° C                                |
| Max operating temperature, Tmax | 120 ° C                                |
| da min                          | 19.5 mm                                |
| Da max                          | 30.5 mm                                |
| Db max                          | 32.5 mm                                |
| r1a max                         | 0.3 mm                                 |
| ra max                          | 0.3 mm                                 |
| Category                        | Angular Contact Ball Bearings          |
| Inventory                       | 2.0                                    |
| Manufacturer Name               | NTN                                    |
| Minimum Buy Quantity            | N/A                                    |
| Weight / Kilogram               | 0.044                                  |
| Product Group                   | B00308                                 |
| Enclosure                       | Open                                   |
| Flush Ground                    | No                                     |
| Rolling Element                 | Ball Bearing                           |
| Number of Rows of Balls         | Single Row                             |
| Precision Class                 | ABEC 1   ISO P0                        |
| Maximum Capacity / Filling Slot | No                                     |
| Snap Ring                       | No                                     |
| Cage Material                   | Steel                                  |
| Contact Angle                   | 30 Degree                              |
| Internal Clearance              | C0-Medium                              |
| Number of Bearings              | 1 (Single)                             |
| Inch - Metric                   | Metric                                 |
| Long Description                | 15MM Bore; 35MM Outside Diameter; 11MM |



## NTN-SNR BEARING RULMENTI S.R.L.

|                              |   |
|------------------------------|---|
|                              | Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Steel Cage; 30 Degree; 1 (Single) |
| Category                     | Angular Contact Ball Bearing  |
| UNSPSC                       | 31171531  |
| Harmonized Tariff Code       | 8482.10.50.28   |
| Noun                         | Bearing   |
| Keyword String               | Angular Contact   |
| Manufacturer URL             | <a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>   |
| Manufacturer Item Number     | 7202  |
| Outside Diameter             | 1.378 Inch   35 Millimeter  |
| Width                        | 0.433 Inch   11 Millimeter  |
| Bore                         | 0.591 Inch   15 Millimeter  |
| bore diameter:               | 15 mm   |
| radial static load capacity: | 4700 N  |
| outside diameter:            | 35 mm   |
| operating temperature range: | -40 to 120 ° C  |
| overall width:               | 11 mm   |
| cage material:               | Steel   |
| contact angle:               | 30 °  |
| outer ring width:            | 11 mm   |
| row type & fill slot:        | Single-Row Non-Fill Slot  |
| maximum rpm:                 | 29000 rpm   |
| internal clearance:          | C0  |
| finish/coating:              | Uncoated  |
| bore type:                   | Round   |
| precision rating:            | ISO Class 0   |
| closure type:                | Open  |
| fillet radius:               | 0.6 mm  |



## NTN-SNR BEARING RULMENTI S.R.L.

|                               |                            |
|-------------------------------|----------------------------|
| snap ring included:           | Without Snap Ring          |
| series:                       | 72                         |
| bearing material:             | High Carbon Chrome Steel   |
| weight:                       | 0.044 kg                   |
| radial dynamic load capacity: | 9050 N                     |
| manufacturer product page:    | <a href="#">Click here</a> |