

# 16009 NSK closure type: Open 45x75x10mm Deep groove ball bearings

|                                 |  |
|---------------------------------|--|
| Category                        | Single Row Ball Bearings   |
| BDI Inventory                   | 2.0  |
| Manufacturer Name               | NSK  |
| Minimum Buy Quantity            | N/A  |
| Weight / Kilogram               | 0.16   |
| EAN                             | 0029176059445  |
| Product Group – BDI             | B00308   |
| Enclosure                       | Open   |
| Precision Class                 | ABEC 1   ISO P0  |
| Maximum Capacity / Filling Slot | No   |
| Rolling Element                 | Ball Bearing   |
| Snap Ring                       | No   |
| Internal Special Features       | No   |
| Cage Material                   | Steel  |
| Internal Clearance              | C0-Medium  |
| Inch – Metric                   | Metric   |
| Long Description                | 45MM Bore; 75MM Outside Diameter; 10MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| Category – BDI                  | Single Row Ball Bearing  |
| UNSPSC                          | 31171504   |
| Harmonized Tariff Code          | 8482.10.50.68  |
| Noun                            | Bearing  |
| Keyword String                  | Ball   |
| Manufacturer URL                | <a href="http://www.nskamericas.com">http://www.nskamericas.com</a>  |
| Weight / LBS                    | 0.353  |
| Bore                            | 1.772 Inch   45 Millimeter   |
| Outside Diameter                | 2.953 Inch   75 Millimeter   |
| Outer Race Width                | 0.394 Inch   10 Millimeter   |
| Bearing number                  | 16009  |
| Size (mm)                       | 45x75x10   |
| Brand                           | NSK  |
| Bore Diameter (mm)              | 45   |
| Outer Diameter (mm)             | 75   |
| Width (mm)                      | 10   |
| d                               | 45 mm  |
| D                               | 75 mm  |
| B                               | 10 mm  |
| C                               | 10 mm  |
| r min.                          | 0.6 mm   |
| da min.                         | 49 mm  |
| Da max.                         | 71 mm  |
| ra max.                         | 0.6 mm   |
| Weight                          | 0.167 Kg   |
| Basic dynamic load rating (C)   | 14.9 kN  |
| Basic static load rating (C0)   | 11.4 kN  |
| (Grease) Lubrication Speed      | 9 000 r/min  |
| (Oil) Lubrication Speed         | 11 000 r/min   |
| bore diameter:                  | 45 mm  |
| static load capacity:           | 11400 N  |
| outside diameter:               | 75 mm  |
| precision rating:               | Not Rated  |
| overall width:                  | 10 mm  |
| finish/coating:                 | Uncoated   |
| bore type:                      | Round  |
| cage material:                  | Steel  |

|                        |   |
|------------------------|---|
| closure type:          | Open  |
| outer ring width:      | 10 mm   |
| row type & fill slot:  | Single Row Non-Fill Slot  |
| fillet radius:         | 0.6 mm  |
| internal clearance:    | C0  |
| maximum rpm:           | 11000 RPM   |
| dynamic load capacity: | 14900 N   |
| series:                | 160   |
| SRI                    | 3.7   |
| hidYobi                | 16009   |
| LangID                 | 1   |
| D_                     | 75  |
| SREX                   | 0.02  |
| B_                     | 10  |
| CAD                    | <a href="https://service.web2cad.co.jp/pcom/maker_login.php?Maker=NSK_RB&amp;language=ja&amp;info=nsk_rb/roller_bearings/deep_groove_bb/single_row_dgbb/open_type_asmtab.prj&amp;varset={STAN=(gevmsg NSK_RB 210)}.{ORDER=16009}.{SD=45}.{D=75}.{B=10}.{R=0.6}.{CR1=14900}.{COR1=11400}.{FO=15.9}.{LG=9000}.{LO=11000}.{DAM1=49.0}.{DA1=0.0}.{DA2=71.0}.{RA=0.6}.{MASS=0.167}">https://service.web2cad.co.jp/pcom/maker_login.php?Maker=NSK_RB&amp;language=ja&amp;info=nsk_rb/roller_bearings/deep_groove_bb/single_row_dgbb/open_type_asmtab.prj&amp;varset={STAN=(gevmsg NSK_RB 210)}.{ORDER=16009}.{SD=45}.{D=75}.{B=10}.{R=0.6}.{CR1=14900}.{COR1=11400}.{FO=15.9}.{LG=9000}.{LO=11000}.{DAM1=49.0}.{DA1=0.0}.{DA2=71.0}.{RA=0.6}.{MASS=0.167}</a> |
| da min                 | 49  |
| hidTable               | ecat_NSRDGB   |
| Oil rpm                | 11000   |
| SRE                    | 3.7   |
| mass                   | 0.167   |
| GRS rpm                | 9000  |
| ra                     | 0.6   |
| SRIX                   | 0.02  |
| D_a                    | 71  |
| SRIN                   | -0.02   |
| C0                     | 11.4  |
| fo                     | 15.9  |
| SREN                   | -0.02   |
| DE_                    | 67.144  |
| Prod_Type3             | DGDB_SR_OT  |
| DA_                    | 7.144   |
| bomp                   | 0   |
| Z_                     | 14  |
| yobi                   | 16009   |
| C_conv                 | 14900   |
| ALPHA_                 | 0   |
| SDM_                   | 60  |
| r                      | 0.6   |
| KBRG                   | 6101  |
| SBRG                   | 0   |
| DI_                    | 52.856  |
| calcUrl                | /BearingGuide/html/calculation.jsp  |