

# 16015 SKF Width 13mm 115x75x13mm Deep groove ball bearings

|                                 |   |
|---------------------------------|---|
| Category                        | Single Row Ball Bearings  |
| BDI Inventory                   | 7.0   |
| Manufacturer Name               | SKF   |
| Minimum Buy Quantity            | N/A   |
| Weight / Kilogram               | 0.484   |
| EAN                             | 7316577015938   |
| 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                | 75MM Bore; 115MM Outside Diameter; 13MM 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.skf.com">http://www.skf.com</a> |
| Manufacturer Item Number         | 16015   |
| Weight / LBS                     | 1.067   |
| Outside Diameter                 | 4.528 Inch   115 Millimeter                         |
| Outer Race Width                 | 0.512 Inch   13 Millimeter                          |
| Bore                             | 2.953 Inch   75 Millimeter                          |
| Bearing number                   | 16015   |
| Size (mm)                        | 115x75x13   |
| Brand                            | SKF   |
| Bore Diameter (mm)               | 115   |
| Outer Diameter (mm)              | 75  |
| Width (mm)                       | 13  |
| d                                | 75 mm   |
| D                                | 115 mm  |
| B                                | 13 mm   |
| $d_1$                            | 88.3 mm   |
| $D_1$                            | 101.8 mm  |
| $r_{1,2} - \text{min.}$          | 0.6 mm  |
| $d_a - \text{min.}$              | 78.2 mm   |
| $D_a - \text{max.}$              | 111 mm  |
| $r_a - \text{max.}$              | 0.6 mm  |
| Basic dynamic load rating – C    | 30.2 kN   |
| Basic static load rating – $C_0$ | 27 kN   |
| Fatigue load limit – $P_u$       | 1.1 kN  |
| Reference speed                  | 12000 r/min   |
| Limiting speed                   | 7500 r/min  |

|                                |                          |
|--------------------------------|--------------------------|
| Calculation factor – $k_r$     | 0.02                     |
| Calculation factor – $f_0$     | 16.4                     |
| bore diameter:                 | 75 mm                    |
| static load capacity:          | 27 kN                    |
| outside diameter:              | 115 mm                   |
| precision rating:              | Not Rated                |
| overall width:                 | 13 mm                    |
| finish/coating:                | Uncoated                 |
| bore type:                     | Round                    |
| cage material:                 | Steel                    |
| closure type:                  | Open                     |
| outer ring width:              | 13 mm                    |
| row type & fill slot:          | Single Row Non-Fill Slot |
| fillet radius:                 | 0.6 mm                   |
| snap ring included:            | Without Snap Ring        |
| maximum rpm:                   | 7500 RPM                 |
| internal clearance:            | C0                       |
| series:                        | 16                       |
| dynamic load capacity:         | 30.2 kN                  |
| $d_1 \approx$                  | 88.3 mm                  |
| $D_1 \approx$                  | 101.8 mm                 |
| $r_{1,2} \text{ min.}$         | 0.6 mm                   |
| $d_a \text{ min.}$             | 78.2 mm                  |
| $D_a \text{ max.}$             | 111 mm                   |
| $r_a \text{ max.}$             | 0.6 mm                   |
| Basic dynamic load rating C    | 30.2 kN                  |
| Basic static load rating $C_0$ | 27 kN                    |
| Fatigue load limit $P_u$       | 1.14 kN                  |

|                               |         |
|-------------------------------|---------|
| Calculation factor $k_r$      | 0.02    |
| Calculation factor $f_\theta$ | 16.4    |
| Mass bearing                  | 0.46 kg |