



Bearing No. 16100

|               |                            |
|---------------|----------------------------|
| D             | 28 mm                      |
| d             | 10 mm                      |
| B             | 8 mm                       |
| C             | 8 mm                       |
| D1            | 23,2 mm                    |
| D2            | 24,8 mm                    |
| d1            | 17 mm                      |
| Noun          | Bearing                    |
| Bore          | 0.394 Inch   10 Millimeter |
| UNSPSC        | 31171504                   |
| Weight        | 0,024 Kg                   |
| rc max.       | 0,3 mm                     |
| Da max.       | 23,8 mm                    |
| da min.       | 14,2 mm                    |
| r2 min.       | 0,3 mm                     |
| r1 min.       | 0,3 mm                     |
| series:       | 16                         |
| Category      | Single Row Ball Bearing    |
| Inventory     | 0.0                        |
| Snap Ring     | No                         |
| Size (mm)     | 10x28x8                    |
| Enclosure     | Open                       |
| Width (mm)    | 8                          |
| bore type:    | Round                      |
| Mass bearing  | 0.024 kg                   |
| Weight / LBS  | 0.055                      |
| maximum rpm:  | 38000 RPM                  |
| Product Group | B00308                     |
| Inch - Metric | Metric                     |
|               |                            |

|                     |                                                                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| closure type:       | Open                                                                                                                                                        |
| Cage Material       | Steel                                                                                                                                                       |
| Keyword String      | Ball                                                                                                                                                        |
| bore diameter:      | 10 mm                                                                                                                                                       |
| overall width:      | 8 mm                                                                                                                                                        |
| cage material:      | Steel                                                                                                                                                       |
| fillet radius:      | 0.3 mm                                                                                                                                                      |
| Bearing number      | 16100                                                                                                                                                       |
| Limiting speed      | 38000 r/min                                                                                                                                                 |
| finish/coating:     | Uncoated                                                                                                                                                    |
| Rolling Element     | Ball Bearing                                                                                                                                                |
| Reference speed     | 60000 r/min                                                                                                                                                 |
| Precision Class     | ABEC 1   ISO P0                                                                                                                                             |
| Outer Race Width    | 0.315 Inch   8 Millimeter                                                                                                                                   |
| Outside Diameter    | 1.102 Inch   28 Millimeter                                                                                                                                  |
| Long Description    | 10MM Bore; 28MM Outside Diameter; 8MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| Manufacturer URL    | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                         |
| Manufacturer Name   | SKF                                                                                                                                                         |
| Weight / Kilogram   | 0.025                                                                                                                                                       |
| outer ring width:   | 8 mm                                                                                                                                                        |
| outside diameter:   | 28 mm                                                                                                                                                       |
| precision rating:   | Not Rated                                                                                                                                                   |
| d <sub>a</sub> min. | 14.2 mm                                                                                                                                                     |
| D <sub>a</sub> max. | 23.8 mm                                                                                                                                                     |
| r <sub>a</sub> max. | 0.3 mm                                                                                                                                                      |
| Bore Diameter (mm)  | 10                                                                                                                                                          |
| Internal Clearance  | C0-Medium                                                                                                                                                   |

|                                 |                          |
|---------------------------------|--------------------------|
| Outer Diameter (mm)             | 28                       |
| internal clearance:             | C0                       |
| snap ring included:             | Without Snap Ring        |
| $r_{1,2}$ min.                  | 0.3 mm                   |
| Minimum Buy Quantity            | N/A                      |
| static load capacity:           | 2.36 kN                  |
| $D_2$ ?                         | 24.72 mm                 |
| $d_1$ ?                         | 17 mm                    |
| row type & fill slot:           | Single Row Non-Fill Slot |
| dynamic load capacity:          | 5.07 kN                  |
| Harmonized Tariff Code          | 8482.10.50.68            |
| Fatigue load limit (Pu)         | 0,1                      |
| Calculation factor (f0)         | 13                       |
| Manufacturer Item Number        | 16100                    |
| Internal Special Features       | No                       |
| Basic dynamic load rating C     | 5.07 kN                  |
| Basic dynamic load rating (C)   | 5,07 kN                  |
| Basic static load rating (C0)   | 2,36 kN                  |
| Maximum Capacity / Filling Slot | No                       |
| Fatigue load limit $P_u$        | 0.1 kN                   |
| Calculation factor $k_r$        | 0.025                    |
| Calculation factor $f_0$        | 13.1                     |
| Basic static load rating $C_0$  | 2.36 kN                  |