



Bearing No. BEAM 050140-2RS

|                |                            |
|----------------|----------------------------|
| a              | 166 mm                     |
| d              | 50 mm                      |
| D              | 140 mm                     |
| H              | 11 mm                      |
| J              | 113 mm                     |
| Bore           | 1.969 Inch   50 Millimeter |
| Noun           | Bearing                    |
| Width          | 2.126 Inch   54 Millimeter |
| UNSPSC         | 31171531                   |
| Preload        | 5720 N                     |
| Category       | Precision Ball Bearings    |
| Enclosure      | 2 Seals                    |
| Size (mm)      | 50x140x54                  |
| Inventory      | 0.0                        |
| Width (mm)     | 54                         |
| Weight / LBS   | 0.408                      |
| Flush Ground   | No                         |
| Mass bearing   | 4.7 kg                     |
| Product Group  | B04270                     |
| Cage Material  | Polyamide                  |
| Contact Angle  | 60 Degree                  |
| Raceway Style  | Not Applicable             |
| Inch - Metric  | Metric                     |
| D <sub>1</sub> | 98 mm                      |
| d <sub>1</sub> | 80 mm                      |
| H <sub>1</sub> | 45 mm                      |
| Bearing number | BEAM 050140-2RS            |
| Limiting speed | 1700 r/min                 |
|                |                            |

|                        |  |
|------------------------|--|
| Other Features         | Double Row   Angular Contact Thrust Bearing   Double Direction   |
| Keyword String         | Ball Angular Contact   |
| Enclosure Type         | Contact Seal   |
| Rolling Element        | Ball Bearing   |
| Precision Class        | ABEC 7   ISO P4  |
| Material - Ball        | Steel  |
| Long Description       | 50MM Bore; 140MM Outside Diameter; 54MM Width; 2 Seals Enclosure; ABEC 7   ISO P4 Precision; Steel Ball Material; 1 (Single) Bearing; 60 Degree Contact Angle; Polyamide Cage Material; Ball Bearing |
| Outside Diameter       | 5.512 Inch   140 Millimeter  |
| Manufacturer URL       | <a href="http://www.skf.com">http://www.skf.com</a>  |
| Frictional moment      | 2.6 N·m  |
| Weight / Kilogram      | 0  |
| Manufacturer Name      | SKF  |
| Number of Bearings     | 1 (Single)   |
| Bore Diameter (mm)     | 50   |
| Outer Diameter (mm)    | 140  |
| $r_a$ - max.           | 0.6 mm   |
| $D_a$ - max.           | 98 mm  |
| $d_a$ - min.           | 63 mm  |
| Minimum Buy Quantity   | N/A  |
| Static Axial rigidity  | 1350 N/micron  |
| $r_{3,4}$ - min.       | 0.6 mm   |
| Harmonized Tariff Code | 8482.10.50.28  |
| $r_{1,2}$ - min.       | 0.6 mm   |
| Manufacturer Item      | BEAM 050140-2RS  |

|                                  |        |
|----------------------------------|--------|
| Number                           |        |
| Basic dynamic load rating - C    | 114 kN |
| Required attachment bolt size    | M10    |
| Fatigue load limit - $P_u$       | 9.3 kN |
| Basic static load rating - $C_0$ | 250 kN |