



Bearing No. 51218

|                |                            |
|----------------|----------------------------|
| D              | 135 mm                     |
| d              | 90 mm                      |
| H              | 35 mm                      |
| d1             | 135 mm                     |
| D1             | 93 mm                      |
| Noun           | Bearing                    |
| Bore 2         | 3.661 Inch   93 Millimeter |
| Height         | 1.378 Inch   35 Millimeter |
| Bore 1         | 3.543 Inch   90 Millimeter |
| UNSPSC         | 31171507                   |
| Banded         | No                         |
| Weight         | 1,7 Kg                     |
| ra max.        | 1 mm                       |
| da min.        | 117 mm                     |
| Da max.        | 108 mm                     |
| r2 min.        | 1,1 mm                     |
| r1 min.        | 1,1 mm                     |
| series:        | 512                        |
| Category       | Thrust Ball Bearings       |
| Inventory      | 0.0                        |
| Size (mm)      | 90x135x35                  |
| Width (mm)     | 35                         |
| Weight / LBS   | 3.709                      |
| maximum rpm:   | 2800 RPM                   |
| Cage Material  | Steel                      |
| Inch - Metric  | Metric                     |
| Product Group  | B00308                     |
| Keyword String | Ball Thrust                |
|                |                            |

|                       |                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| bore diameter:        | 90 mm                                                                                                                                            |
| overall width:        | 35 mm                                                                                                                                            |
| Other Features        | Single Row                                                                                                                                       |
| fillet radius:        | 1 mm                                                                                                                                             |
| cage material:        | Steel                                                                                                                                            |
| Bearing number        | 51218                                                                                                                                            |
| Limiting speed        | 2800 r/min                                                                                                                                       |
| Thrust Bearing        | Yes                                                                                                                                              |
| Precision Class       | ABEC 1   ISO P0                                                                                                                                  |
| Rolling Element       | Ball Bearing                                                                                                                                     |
| Reference speed       | 2000 r/min                                                                                                                                       |
| Outside Diameter      | 5.315 Inch   135 Millimeter                                                                                                                      |
| Long Description      | 90MM Bore 1; 93MM Bore 2; 135MM Outside Diameter; 35MM Height; Ball Bearing; Single Direction; Not Banded; Steel Cage; ABEC 1   ISO P0 Precision |
| Manufacturer URL      | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                              |
| outside diameter:     | 135 mm                                                                                                                                           |
| Manufacturer Name     | SKF                                                                                                                                              |
| precision rating:     | ABEC 1 (ISO Class Normal)                                                                                                                        |
| Weight / Kilogram     | 1.68                                                                                                                                             |
| D <sub>a</sub> max.   | 108 mm                                                                                                                                           |
| Bore Diameter (mm)    | 90                                                                                                                                               |
| r <sub>a</sub> max.   | 1 mm                                                                                                                                             |
| d <sub>a</sub> min.   | 117 mm                                                                                                                                           |
| Outer Diameter (mm)   | 135                                                                                                                                              |
| r <sub>1,2</sub> min. | 1.1 mm                                                                                                                                           |
| separable or banded:  | Separable                                                                                                                                        |
| Minimum Buy Quantity  | N/A                                                                                                                                              |
| thrust bearing type:  | Single-Direction                                                                                                                                 |

|                                                       |                               |
|-------------------------------------------------------|-------------------------------|
| D <sub>1</sub> ?                                      | 93 mm                         |
| Minimum load factor A                                 | 0.55                          |
| static load capacity:                                 | 290 kN                        |
| d <sub>1</sub> ?                                      | 135 mm                        |
| Component Description                                 | Roller Assembly Plus Raceways |
| dynamic load capacity:                                | 112 kN                        |
| Harmonized Tariff Code                                | 8482.10.50.08                 |
| Fatigue load limit (Pu)                               | 10,4                          |
| outside diameter design:                              | Straight                      |
| Manufacturer Item Number                              | 51218                         |
| Single or Double Direction                            | Single Direction              |
| Basic dynamic load rating C                           | 112 kN                        |
| Basic dynamic load rating (C)                         | 112 kN                        |
| Basic static load rating (C <sub>0</sub> )            | 290 kN                        |
| Fatigue load limit P <sub>u</sub>                     | 10.4 kN                       |
| Overall Height with Aligning Washer                   | 0 Inch   0 Millimeter         |
| Basic static load rating C <sub>0</sub>               | 290 kN                        |
| Mass bearing (including seat washer where applicable) | 1.7 kg                        |