

# AST AST850SM 3830 plain bearings

AST AST850SM 3830 plain bearings Engineering Calculator , 20 Outer Diameter (mm) Manufacturing Service . Get Your Free. 35x20x16 Size (mm)

|                               |          |
|-------------------------------|----------|
| Size (mm)                     | 35x20x16 |
| Bore Diameter (mm)            | 35       |
| Outer Diameter (mm)           | 20       |
| Width (mm)                    | 16       |
| d                             | 20 mm    |
| D                             | 35 mm    |
| B                             | 16 mm    |
| C                             | 12 mm    |
| $\alpha$                      | 9 °      |
| dk                            | 29 mm    |
| r1 – min.                     | 0.3 mm   |
| r2 – min.                     | 0.3 mm   |
| da – min.                     | 21.8 mm  |
| da – max.                     | 24.2 mm  |
| Da – min.                     | 27.6 mm  |
| Da – max.                     | 33.4 mm  |
| ra – max.                     | 0.3 mm   |
| rb – max.                     | 0.3 mm   |
| Basic dynamic load rating – C | 31.5 kN  |
| Basic static load rating – C0 | 78 kN    |

|                                     |   |
|-------------------------------------|---|
| Specific factor dinamic load<br>– K | 100 N/mm2   |
| Specific factor static load<br>– K0 | 250 N/mm2   |
| Constant – KM                       | 1400  |
| Inventory                           | 0.0   |
| Manufacturer Name                   | SKF   |
| Minimum Buy Quantity                | N/A   |
| Weight / Kilogram                   | 0.07  |
| EAN                                 | 7316576609251   |
| Product Group                       | B04264  |
| Self Aligning                       | Yes   |
| Rolling Element                     | Spherical Plain   |
| Material – Outer Member             | Steel   |
| Material – Ball                     | Steel   |
| Material – Liner                    | Teflon Sintered Bronze  |
| Relubricatable                      | No  |
| Enclosure                           | Open  |
| Other Features                      | 2 Piece   Maintenance Free  <br>Chrome Plated Ball   Self<br>Lubricating                                      |
| Long Description                    | 20MM Bore; 12MM Housing Width;<br>35MM Outside Diameter;<br>Spherical Plain; Steel Outer<br>Member; Steel Bal |
| Inch – Metric                       | Metric  |
| UNSPSC                              | 31171515  |
| Harmonized Tariff Code              | 8483.30.80.70   |
| Noun                                | Bearing   |
| Keyword 3                           | Spherical   |

|  |                                    |
|--|------------------------------------|
| Keyword String                               | Plain Spherical Radial             |
| Manufacturer Item Number                     | GE 20 C                            |
| Weight / LBS                                 | 0.143                              |
| Overall Width                                | 0.63 Inch   16 Millimeter          |
| Bore   | 0.787 Inch   20 Millimeter         |
| Outside Diameter                             | 1.378 Inch   35 Millimeter         |
| Housing Width                                | 0.472 Inch   12 Millimeter         |
| bore diameter:                               | 20 mm                              |
| inner ring material:                         | Chrome Steel                       |
| outside diameter:                            | 35 mm                              |
| outer ring width:                            | 12 mm                              |
| misalignment angle:                          | 9 °                                |
| race material:                               | PTFE Composite                     |
| inner ring width:                            | 16 mm                              |
| radial static load capacity:                 | 78 kN                              |
| bearing type:                                | Radial                             |
| radial dynamic load capacity:                | 31.5 kN                            |
| lubrication type:                            | Maintenance Free/Self-Lubricating  |
| operating temperature range:                 | -50 to +150 °C °F                  |
| closure type:                                | Open                               |
| overall width:                               | 16 mm                              |
| outer ring material:                         | Chrome Steel                       |
| manufacturer upc number:                     | 7316576609251                      |
| Lubricant                                    | Maintenance free – dry lubrication |
| Design (sliding contact surface combination) | Steel/PTFE sintered bronze         |
| Sealing solution                             | –                                  |

|                                |                       |
|--------------------------------|-----------------------|
| $\alpha$                       | 9 °                   |
| r1 min.                        | 0.3 mm                |
| r2 min.                        | 0.3 mm                |
| da min.                        | 21.8 mm               |
| da max.                        | 24.2 mm               |
| Da min.                        | 27.6 mm               |
| Da max.                        | 33.4 mm               |
| ra max.                        | 0.3 mm                |
| rb max.                        | 0.3 mm                |
| Basic dynamic load rating C    | 31.5 kN               |
| Basic static load rating C0    | 78 kN                 |
| Specific dynamic load factor K | 100 N/mm <sup>2</sup> |
| Specific static load factor K0 | 250 N/mm <sup>2</sup> |
| Material constant KM           | 1400                  |
| Mass plain bearing             | 0.065 kg              |