



# Shanghai Shengjie Bearing Co., Ltd.



## 140 mm x 250 mm x 88 mm NSK 23228CE4 Spherical Roller Bearing

Bearing No. 23228CE4

23228CE4 Bearing 2D drawings and 3D CAD models

|                               |                           |
|-------------------------------|---------------------------|
| Size                          | 140x250x88 mm             |
| Bore Diameter                 | 140 mm                    |
| Outer Diameter                | 250 mm                    |
| Width                         | 88 mm                     |
| d                             | 140 mm                    |
| D                             | 250 mm                    |
| B                             | 88 mm                     |
| C                             | 88 mm                     |
| r min.                        | 3 mm                      |
| da min.                       | 154 mm                    |
| da max                        | 163 mm                    |
| Da min                        | 213 mm                    |
| Da max.                       | 236 mm                    |
| ra max.                       | 2,5 mm                    |
| Weight                        | 18,8 Kg                   |
| Basic dynamic load rating (C) | 835 kN                    |
| Basic static load rating (C0) | 1300 kN                   |
| (Grease) Lubrication Speed    | 1100 r/min                |
| (Oil) Lubrication Speed       | 1500 r/min                |
| Calculation factor (e)        | 0,35                      |
| Calculation factor (Y0)       | 1,9                       |
| Calculation factor (Y2)       | 2,9                       |
| Category                      | Spherical Roller Bearings |
| Inventory                     | 0.0                       |
| Manufacturer Name             | NSK                       |



## Shanghai Shengjie Bearing Co., Ltd.

|                           |                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Minimum Buy Quantity      | N/A                                                                                                                                                                                                          |
| Weight / Kilogram         | 19                                                                                                                                                                                                           |
| EAN                       | 0029176031830                                                                                                                                                                                                |
| Product Group             | B04311                                                                                                                                                                                                       |
| Internal Clearance        | C0-Medium                                                                                                                                                                                                    |
| Mounting Method           | Shaft Mount                                                                                                                                                                                                  |
| Rolling Element           | Spherical Roller Bearing                                                                                                                                                                                     |
| Bore Profile              | Straight                                                                                                                                                                                                     |
| Cage Material             | Steel                                                                                                                                                                                                        |
| Enclosure                 | Open                                                                                                                                                                                                         |
| Number of Rows of Rollers | Double Row                                                                                                                                                                                                   |
| Relubricatable            | Yes                                                                                                                                                                                                          |
| Withdrawal Sleeve         | Not Applicable                                                                                                                                                                                               |
| Inch - Metric             | Metric                                                                                                                                                                                                       |
| Long Description          | 140MM Straight Bore;<br>250MM Outside Diameter;<br>88MM Width; C0-Medium<br>Clearance; Shaft Mount;<br>Double Row of Spherical<br>Roller Bearings; Steel Cage<br>Material; Open Enclosure;<br>Relubricatable |
| Category                  | Spherical Roller Bearing                                                                                                                                                                                     |
| UNSPSC                    | 31171510                                                                                                                                                                                                     |
| Harmonized Tariff Code    | 84823080                                                                                                                                                                                                     |
| Noun                      | Bearing                                                                                                                                                                                                      |
| Keyword String            | Spherical                                                                                                                                                                                                    |
| Manufacturer URL          | <a href="http://www.nskamericas.com">http://www.nskamericas.com</a>                                                                                                                                          |
| Manufacturer Item Number  | 23228CE4                                                                                                                                                                                                     |
| Weight / LBS              | 19                                                                                                                                                                                                           |
| Outside Diameter          | 9.843 Inch   250 Millimeter                                                                                                                                                                                  |
| Width                     | 3.465 Inch   88 Millimeter                                                                                                                                                                                   |
| Adapter Part Number       | Not Applicable Inch   Not<br>Applicable Millimeter                                                                                                                                                           |



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|                        |                                     |
|------------------------|-------------------------------------|
| Bore                   | 5.512 Inch   140 Millimeter         |
| bore diameter:         | 140 mm                              |
| outer ring type:       | Not Split                           |
| outside diameter:      | 250 mm                              |
| internal clearance:    | C0                                  |
| overall width:         | 4.3800 in                           |
| lubrication hole type: | Oil Grooves And Holes In Outer Ring |
| bore type:             | Straight                            |
| cage material:         | Bronze                              |
| Y3                     | 1.9                                 |
| hidYobi                | 23228CE4                            |
| LangID                 | 1                                   |
| Y1                     | 1.9                                 |
| D_                     | 250                                 |
| Y2                     | 2.9                                 |
| Macha rpm              | 0                                   |
| B_                     | 88                                  |
| da min                 | 154                                 |
| hidTable               | ecat_NSSPHR                         |
| Oil rpm                | 1500                                |
| Y0                     | 1.9                                 |
| mass                   | 18.8                                |
| GRS rpm                | 1100                                |
| ra                     | 2.5                                 |
| TSR rpm                | 1800                                |
| C0                     | 1300                                |
| DE_                    | 223.131                             |
| X0                     | 1                                   |
| Prod_Type3             | SRB_CTB_CB                          |
| X1                     | 1                                   |
| X2                     | 0.67                                |
| SIR                    | 35                                  |



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|         |          |
|---------|----------|
| e       | 0.35     |
| DA_     | 27.5     |
| bomp    | 23228CE4 |
| Z_      | 19       |
| ALP2    | 0        |
| ALP1    | 13       |
| ALP3    | 0        |
| D_a max | 236      |
| D_a min | 213      |
| yobi    | 23228CE4 |
| ALPHA_  | 0.227    |
| SDM_    | 196.336  |
| r       | 3        |
| KBRG    | 2322     |
| SBRG    | 32       |
| DI_     | 169.54   |