



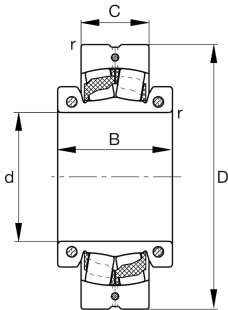
FAG

222S.315

Spherical Roller Bearing

Spherical roller bearings 222S, split spherical roller bearings, with inch size bearing bore

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                           |
|---------------------------|--------------|---------------------------|
| Design                    | E1A          | Without central rip       |
| Bore type                 | Z            | Cylindrical               |
| Cage                      | TVPA         | Plastic cage              |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Relubrication             | Standard     |                           |
| Splitted                  | S.           | Split bearing inch        |

Main Dimensions & Performance Data

|                    |             |                                   |
|--------------------|-------------|-----------------------------------|
| d                  | 100,013 mm  | Bore diameter                     |
| D                  | 200 mm      | Outside diameter                  |
| C                  | 53 mm       | Width, outer ring                 |
| C <sub>r</sub>     | 360.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub>    | 460.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub>    | 40.500 N    | Fatigue load limit, radial        |
| n <sub>G</sub>     | 1.590 1/min | Limiting speed                    |
| F <sub>a max</sub> | 13.800 N    | Maximum axial load                |
| ≈m                 | 10 kg       | Masa                              |

Mounting dimensions

|                |       |                                  |
|----------------|-------|----------------------------------|
| M <sub>i</sub> | 35 Nm | Tightening torque clamping screw |
| M <sub>a</sub> | 14 Nm | Tightening torque clamping screw |



Dimensions

|                  |        |                           |
|------------------|--------|---------------------------|
| r <sub>min</sub> | 2,1 mm | Minimum chamfer dimension |
| B                | 92 mm  | Width inner ring          |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |

Calculation factors

|                |      |                                                                                  |
|----------------|------|----------------------------------------------------------------------------------|
| e              | 0,24 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 2,84 | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 4,23 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 2,78 | Static axial load factor                                                         |

Additional information

|          |                     |
|----------|---------------------|
| 22222K   | Bearing designation |
| H322X315 | Adapter sleeve      |
| SNV200   | Housing             |

Właściwości

|                                                                                     |                                   |
|-------------------------------------------------------------------------------------|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Obciążenie osiowe dwukierunkowe   |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Bez uszczelnienia                 |
|  | Dzielone                          |
|  | Nieosiowość statyczna             |
|  | Nieosiowość dynamiczna            |