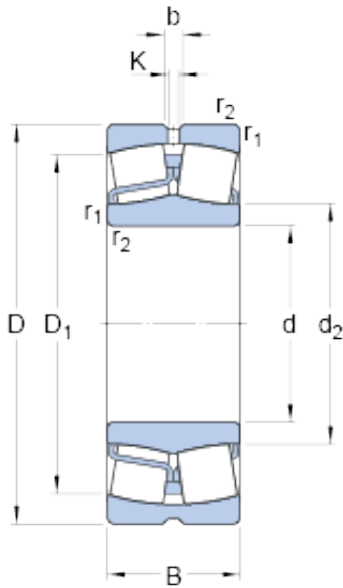




Bearing Rolamentos do Brasil Ltda.

60 mm x 130 mm x 46 mm SKF 22312 E/VA405
spherical roller bearings

Bearing No. 22312 E/VA405



22312 E/VA405 Bearing 2D drawings and 3D CAD models

| | |
|---|--------------|
| Size | 130x60x46 mm |
| Bore Diameter | 130 mm |
| Outer Diameter | 60 mm |
| Width | 46 mm |
| d | 60 mm |
| D | 130 mm |
| B | 46 mm |
| d ₂ | 77.9 mm |
| D ₁ | 110 mm |
| b | 8.3 mm |
| K | 4.5 mm |
| r _{1,2} - min. | 2.1 mm |
| d _a - min. | 72 mm |
| D _a - max. | 118 mm |
| r _a - max. | 2 mm |
| Basic dynamic load rating - C | 325 kN |
| Basic static load rating - C ₀ | 335 kN |
| Fatigue load limit - P _u | 36 kN |
| Reference speed | 4000 r/min |
| Limiting speed | 5300 r/min |
| Calculation factor - e | 0.35 |
| Calculation factor - Y ₁ | 1.9 |
| Calculation factor - Y ₂ | 2.9 |
| Calculation factor - Y ₀ | 1.8 |



Bearing Rolamentos do Brasil Ltda.

| | |
|---|---|
| Permissible rotational acceleration (oil lubrication) | 687 g [m/s] |
| Permissible linear acceleration (oil lubrication) | 245 g [m/s] |
| Category | Spherical Roller Bearings |
| Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 2.97 |
| EAN | 7316570152203 |
| 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 |
| Withdrawal Nut | Not Applicable |
| Inch - Metric | Metric |
| Long Description | 60MM Straight Bore; 130MM Outside Diameter; 46MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable |
| Category | Spherical Roller Bearing |
| UNSPSC | 31171510 |
| Harmonized Tariff Code | 84823080 |
| | |



Bearing Rolamentos do Brasil Ltda.

| | |
|------------------------------|---|
| Noun | Bearing |
| Keyword String | Spherical |
| Manufacturer URL | http://www.skf.com |
| Weight / LBS | 6.541 |
| Outside Diameter | 5.118 Inch 130 Millimeter |
| Adapter Part Number | Not Applicable Inch Not Applicable Millimeter |
| Width | 1.811 Inch 46 Millimeter |
| Bore | 2.362 Inch 60 Millimeter |
| bore diameter: | 60 mm |
| operating temperature range: | Maximum of +390 ° F |
| outside diameter: | 130 mm |
| cage material: | Steel |
| overall width: | 46 mm |
| bearing material: | Steel |
| bore type: | Straight |
| cage type: | Inner Ring Guided |
| outer ring type: | Not Split |
| precision rating: | Not Rated |
| internal clearance: | C0 |
| application: | Vibratory Applications |
| closure type: | Open |
| finish/coating: | Uncoated |
| lubrication hole type: | Lubrication Groove & Hole |
| outer ring width: | 46 mm |
| dynamic load capacity: | 310 kN |
| fillet radius: | 2 mm |
| static load capacity: | 335 kN |
| series: | 223 |
| maximum rpm: | 5300 RPM |
| d ₂ | 77.9 mm |
| D ₁ | 110 mm |



Bearing Rolamentos do Brasil Ltda.

| | |
|--------------------------------|--------|
| $r_{1,2}$ min. | 2.1 mm |
| d_a min. | 72 mm |
| D_a max. | 118 mm |
| r_a max. | 2 mm |
| Basic dynamic load rating C | 325 kN |
| Basic static load rating C_0 | 335 kN |
| Fatigue load limit P_u | 36 kN |
| Calculation factor e | 0.35 |
| Calculation factor Y_1 | 1.9 |
| Calculation factor Y_2 | 2.9 |
| Calculation factor Y_0 | 1.8 |
| Mass bearing | 3.1 kg |