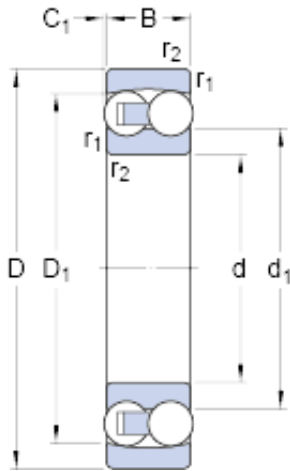




Timken BEARINGS INDUSTRY



90 mm x 190 mm x 43 mm SKF 1318 self aligning ball bearings

Bearing No. 1318

1318 Bearing 2D drawings and 3D CAD models

| | |
|---|--------------|
| Size | 190x90x43 mm |
| Bore Diameter | 190 mm |
| Outer Diameter | 90 mm |
| Width | 43 mm |
| d | 90 mm |
| D | 190 mm |
| B | 43 mm |
| d ₁ | 122.8 mm |
| D ₁ | 162.1 mm |
| C ₁ | 1 mm |
| r _{1,2} - min. | 3 mm |
| d _a - min. | 104 mm |
| D _a - max. | 176 mm |
| r _a - max. | 3 mm |
| Basic dynamic load rating - C | 117 kN |
| Basic static load rating - C ₀ | 44 kN |
| Fatigue load limit - P _u | 1.9 kN |
| Reference speed | 6700 r/min |
| Limiting speed | 4500 r/min |
| Calculation factor - k _r | 0.045 |
| Calculation factor - e | 0.22 |
| Calculation factor - Y ₀ | 2.8 |
| Calculation factor - Y ₁ | 2.9 |
| | |



Timken BEARINGS INDUSTRY

| | |
|-------------------------------------|---|
| Calculation factor - Y ₂ | 4.5 |
| Category | Self Aligning Ball Bearings |
| Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 5.853 |
| EAN | 7316576605628 |
| Product Group | B00152 |
| Mounting Method | Shaft |
| Enclosure | Open |
| Rolling Element | Ball Bearing |
| Cage Material | Steel |
| Precision Class | ABEC 1 ISO P0 |
| Internal Clearance | C0-Medium |
| Number of Rows of Balls | Double Row |
| Other Features | Allowable Misalignment 3 Deg |
| Long Description | 90MM Bore; Shaft Mount; 190MM Outside Diameter; 43MM Inner Race Width; 43MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium |
| Inch - Metric | Metric |
| Category | Self Aligning Ball Bearings |
| UNSPSC | 31171532 |
| Harmonized Tariff Code | 8482.10.50.68 |
| Noun | Bearing |
| Keyword String | Self Aligning |
| Manufacturer URL | http://www.skf.com |
| Manufacturer Item Number | 1318 |
| Weight / LBS | 12.893 |
| Bore | 3.543 Inch 90 Millimeter |
| | |



Timken BEARINGS INDUSTRY

| | |
|----------------------------------|----------------------------|
| Outside Diameter | 7.48 Inch 190 Millimeter |
| Inner Race Width | 1.693 Inch 43 Millimeter |
| Outer Race Width | 1.693 Inch 43 Millimeter |
| bore diameter: | 90 mm |
| precision rating: | Not Rated |
| outside diameter: | 190 mm |
| maximum rpm: | 4500 RPM |
| overall width: | 43 mm |
| cage material: | Steel |
| bore type: | Straight |
| finish/coating: | Uncoated |
| closure type: | Open |
| outer ring width: | 43 mm |
| internal clearance: | C0 |
| fillet radius: | 3 mm |
| dynamic load capacity: | 117 kN |
| series: | 1300 |
| static load capacity: | 44 kN |
| d_1 | 122.8 mm |
| D_1 | 162.1 mm |
| C_1 | 1 mm |
| $r_{1,2}$ min. | 3 mm |
| d_a min. | 104 mm |
| D_a max. | 176 mm |
| r_a max. | 3 mm |
| Basic dynamic load rating C | 117 kN |
| Basic static load rating C_0 | 44 kN |
| Fatigue load limit P_u | 1.93 kN |
| Permissible angular misalignment | 3 ° |
| Calculation factor k_r | 0.045 |
| Calculation factor e | 0.22 |
| Calculation factor Y_0 | 2.8 |



Timken BEARINGS INDUSTRY

| | |
|--------------------------|--------|
| Calculation factor Y_1 | 2.9 |
| Calculation factor Y_2 | 4.5 |
| Mass bearing | 5.8 kg |