



23130CE4

Spherical Roller Bearings

Boundary Dimensions

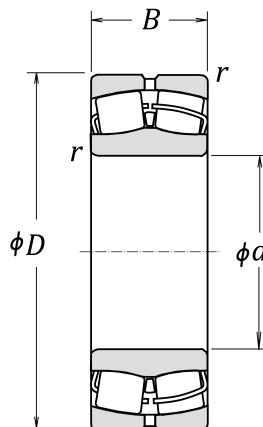
| | | | |
|----------|-----|----|-------------------|
| d | 150 | mm | Bore diameter |
| D | 250 | mm | Outside diameter |
| B | 80 | mm | Width |
| r (min.) | 2.1 | mm | Chamfer dimension |

Basic Load Ratings

| | | | |
|-----|---------|---|---------------------------|
| Cr | 905000 | N | Basic dynamic load rating |
| C0r | 1180000 | N | Basic static load rating |

Speeds

| | | | |
|-------------------------------------|------|-------|---|
| Thermal Speed Rating (Oil-bath) | 2200 | min-1 | Oil-bath lubrication subject to conditions outlined in ISO 15312 |
| Mechanical (forced-circulation oil) | 2800 | min-1 | Properly designed and controlled forced-circulation oil lubrication |
| Grease | 1100 | min-1 | Grease lubrication |
| Oil (Oil-bath) | 1400 | min-1 | Oil-bath lubrication |



Abutment and Fillet Dimensions

| | | | |
|-----------|-----|----|-----------------------------------|
| da (min.) | 162 | mm | Diameter of shaft abutment |
| da (max.) | 174 | mm | Diameter of shaft abutment |
| Da (min.) | 218 | mm | Diameter of housing abutment |
| Da (max.) | 238 | mm | Diameter of housing abutment |
| ra (max.) | 2 | mm | Radius of shaft or housing fillet |

Calculation factors

| | | |
|----|-----|--------------------|
| e | 0.3 | Constant |
| Y2 | 3.4 | Axial load Factors |
| Y3 | 2.3 | Axial load Factors |
| Y0 | 2.2 | Axial load Factors |

Mass

| | | | |
|--------------|------|----|--------------|
| Mass approx. | 15.8 | kg | Mass approx. |
|--------------|------|----|--------------|

