



2304
Self-Aligning Ball Bearings

Boundary Dimensions

| | | | |
|----------|-----|----|-------------------|
| d | 20 | mm | Bore diameter |
| D | 52 | mm | Outside diameter |
| B | 21 | mm | Width |
| r (min.) | 1.1 | mm | Chamfer dimension |

Basic Load Ratings

| | | | |
|-----|-------|---|---------------------------|
| Cr | 20300 | N | Basic dynamic load rating |
| C0r | 4700 | N | Basic static load rating |

Speeds

| | | | |
|----------------|-------|-------|----------------------|
| Grease | 11000 | min-1 | Grease lubrication |
| Oil (Oil-bath) | 14000 | min-1 | Oil-bath lubrication |

Abutment and Fillet Dimensions

| | | | |
|-----------|------|----|-----------------------------------|
| da (min.) | 26.5 | mm | Diameter of shaft abutment |
| Da (max.) | 45.5 | mm | Diameter of housing abutment |
| ra (max.) | 1 | mm | Radius of shaft or housing fillet |

Calculation factors

| | | |
|----|-----|--------------------|
| e | 0.5 | Constant |
| Y2 | 1.9 | Axial load Factors |
| Y3 | 1.2 | Axial load Factors |
| Y0 | 1.3 | Axial load Factors |

Mass

| | | | |
|--------------|-------|----|--------------|
| Mass approx. | 0.193 | kg | Mass approx. |
|--------------|-------|----|--------------|

