



2218K

Self-Aligning Ball Bearings

Boundary Dimensions

| | | | |
|----------|-----|----|-------------------|
| d | 90 | mm | Bore diameter |
| D | 160 | mm | Outside diameter |
| B | 40 | mm | Width |
| r (min.) | 2 | mm | Chamfer dimension |

Basic Load Ratings

| | | | |
|-----|-------|---|---------------------------|
| Cr | 77500 | N | Basic dynamic load rating |
| C0r | 28700 | N | Basic static load rating |

Speeds

| | | | |
|----------------|------|-------|----------------------|
| Grease | 3600 | min-1 | Grease lubrication |
| Oil (Oil-bath) | 4300 | min-1 | Oil-bath lubrication |

Abutment and Fillet Dimensions

| | | | |
|-----------|-----|----|-----------------------------------|
| da (min.) | 99 | mm | Diameter of shaft abutment |
| Da (max.) | 151 | mm | Diameter of housing abutment |
| ra (max.) | 2 | mm | Radius of shaft or housing fillet |

Calculation factors

| | | |
|----|------|--------------------|
| e | 0.27 | Constant |
| Y2 | 3.7 | Axial load Factors |
| Y3 | 2.4 | Axial load Factors |
| Y0 | 2.5 | Axial load Factors |

Mass

| | | | |
|--------------|------|----|--------------|
| Mass approx. | 3.09 | kg | Mass approx. |
|--------------|------|----|--------------|

Associated products

| | | |
|---------|-------|---------|
| Adapter | H318X | Adapter |
|---------|-------|---------|

