



PRODUCT DATASHEET

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22215EAKE4

Spherical Roller Bearings

Boundary Dimensions

| | | | |
|----------|-----|----|-------------------|
| d | 75 | mm | Bore diameter |
| D | 130 | mm | Outside diameter |
| B | 31 | mm | Width |
| r (min.) | 1.5 | mm | Chamfer dimension |

Basic Load Ratings

| | | | |
|-----|--------|---|---------------------------|
| Cr | 238000 | N | Basic dynamic load rating |
| C0r | 244000 | N | Basic static load rating |

Speeds

| | | | |
|-------------------------------------|------|-------|---|
| Thermal Speed Rating (Oil-bath) | 4300 | min-1 | Oil-bath lubrication subject to conditions outlined in ISO 15312 |
| Mechanical (forced-circulation oil) | 6700 | min-1 | Properly designed and controlled forced-circulation oil lubrication |
| Grease | 4000 | min-1 | Grease lubrication |
| Oil (Oil-bath) | 5000 | min-1 | Oil-bath lubrication |

Abutment and Fillet Dimensions

| | | | |
|-----------|-----|----|-----------------------------------|
| da (min.) | 84 | mm | Diameter of shaft abutment |
| da (max.) | 87 | mm | Diameter of shaft abutment |
| Da (min.) | 117 | mm | Diameter of housing abutment |
| Da (max.) | 121 | mm | Diameter of housing abutment |
| ra (max.) | 1.5 | mm | Radius of shaft or housing fillet |

Calculation factors

| | | |
|----|------|--------------------|
| e | 0.22 | Constant |
| Y2 | 4.5 | Axial load Factors |
| Y3 | 3 | Axial load Factors |
| Y0 | 3 | Axial load Factors |

Mass

| | | | |
|--------------|------|----|--------------|
| Mass approx. | 1.64 | kg | Mass approx. |
|--------------|------|----|--------------|

Associated products

| | | |
|-------------------|-------|-------------------|
| Adapter | H315X | Adapter |
| Withdrawal sleeve | AH315 | Withdrawal sleeve |

