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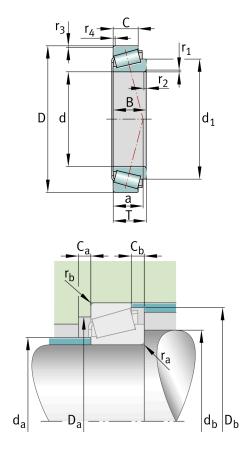


K29586-29520

Tapered roller bearing

Tapered roller bearings K-Series, in inch sizes, separable, adjusted or in pairs

Technical information



Main Dimensions & Performance Data

| d | 63.5 mm | Bore diameter |
|-----------------|-------------|-----------------------------------|
| D | 107.95 mm | Outside diameter |
| В | 25.4 mm | Width, inner ring |
| С | 19.05 mm | Width, outer ring |
| Т | 25.4 mm | Width, total |
| C _r | 94,000 N | Basic dynamic load rating, radial |
| C _{0r} | 143,000 N | Basic static load rating, radial |
| C _{ur} | 18,500 N | Fatigue load limit, radial |
| n _G | 6,500 1/min | Limiting speed |
| n _{ðr} | 4,050 1/min | Thermal speed rating |
| ≈m | 0.937 kg | Weight |

Mounting dimensions

| d _{a max} | 71 mm | Maximum diameter of shaft shoulder |
|--------------------|--------|--------------------------------------|
| d _{b min} | 73 mm | Minimum diameter of shaft shoulder |
| D _{a min} | 96 mm | Minimum diameter of housing shoulder |
| D _{b min} | 103 mm | Minimum diameter of housing shoulder |
| C _{a min} | 3 mm | Minimum axial space |
| C _{b min} | 6 mm | Minimum axial space |
| r _{a max} | 1.5 mm | Maximum fillet radius of shaft |
| r _{b max} | 3.3 mm | Maximum fillet radius of housing |
| | | |

Dimensions

| r _{1, 2} min | 1.5 mm | Minimum chamfer dimension of inner ring back |
|-----------------------|---------|--|
| | | face |
| r _{3, 4 min} | 3.3 mm | Minimum chamfer dimension of outer ring back |
| | | face |
| а | 25 mm | Distance between the apexes of the pressure |
| | | cones |
| d 1 | 89.4 mm | Guidance rib diameter of inner ring |

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.

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Temperature range

| T _{min} | -30 °C | Operating temperature min. | | |
|---------------------|--------|--|--|--|
| T _{max} | 120 °C | Operating temperature max. | | |
| Calculation factors | | | | |
| е | 0.46 | Limiting value of Fa/Fr for the applicability of | | |
| | | diff. Values of factors X and Y | | |
| Υ | 1.31 | Dynamic axial load factor | | |
| Υ ₀ | 0 72 | Static axial load factor | | |

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