



FAG

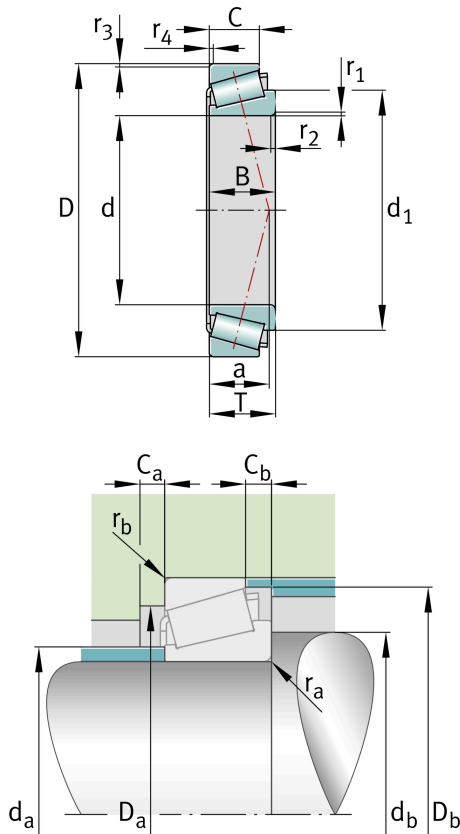
32212-A

Tapered roller bearing

Schaeffler ID:
0167126760000

Tapered roller bearings 322, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

Technical information

**Main Dimensions & Performance Data**

| | | |
|----------|-------------|-----------------------------------|
| d | 60 mm | Bore diameter |
| D | 110 mm | Outside diameter |
| B | 28 mm | Width, inner ring |
| C | 24 mm | Width, outer ring |
| T | 29.75 mm | Width, total |
| C_r | 133,000 N | Basic dynamic load rating, radial |
| C_{0r} | 169,000 N | Basic static load rating, radial |
| C_{ur} | 21,000 N | Fatigue load limit, radial |
| n_G | 6,600 1/min | Limiting speed |
| n_{gr} | 3,900 1/min | Thermal speed rating |
| | 1.163 kg | Weight |

Dimensions

| | | |
|-----------------------|---------|---|
| $r_{1,2 \text{ min}}$ | 2 mm | Minimum chamfer dimension of inner ring back face |
| $r_{3,4 \text{ min}}$ | 1.5 mm | Minimum chamfer dimension of outer ring back face |
| a | 25 mm | Distance between the apexes of the pressure cones |
| d_1 | 82.8 mm | Guidance rib diameter of inner ring |

Mounting dimensions

| | | |
|---------------------|--------|--------------------------------------|
| $d_{a \text{ max}}$ | 69 mm | Maximum diameter of shaft shoulder |
| $d_{b \text{ min}}$ | 69 mm | Minimum diameter of shaft shoulder |
| $D_{a \text{ min}}$ | 95 mm | Minimum diameter of housing shoulder |
| $D_{a \text{ max}}$ | 101 mm | Maximum diameter of housing shoulder |
| $D_{b \text{ min}}$ | 104 mm | Minimum diameter of housing shoulder |
| $C_{a \text{ min}}$ | 4 mm | Minimum axial space |
| $C_{b \text{ min}}$ | 5.5 mm | Minimum axial space |
| $r_{a \text{ max}}$ | 2 mm | Maximum fillet radius of shaft |
| $r_{b \text{ max}}$ | 1.5 mm | Maximum fillet radius of housing |

Calculation factors

| | | |
|----------------|---------|--|
| | T3EC060 | Comparative designation to ISO 10317 and ISO 355 |
| e | 0.4 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y | 1.48 | Dynamic axial load factor |
| Y ₀ | 0.81 | Static axial load factor |

Temperature range

| | | |
|------------------|--------|----------------------------|
| T _{min} | -30 °C | Operating temperature min. |
| T _{max} | 120 °C | Operating temperature max. |