



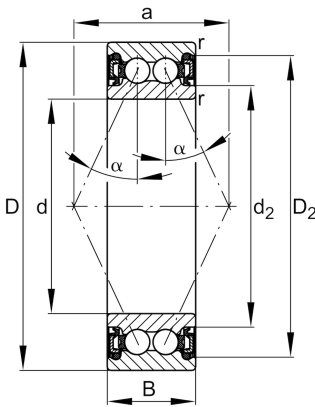
3002-2Z

Angular contact ball bearing

Schaeffler ID:
0008740600000

Angular contact ball bearing 30..-B-2RZ-TVH, double row, shields, plastic cage

Technical information



Main Dimensions & Performance Data

| | | |
|-------------|--------------|-----------------------------------|
| d | 15 mm | Bore diameter |
| D | 32 mm | Outside diameter |
| B | 13 mm | Width |
| C_r | 8.500 N | Basic dynamic load rating, radial |
| C_{0r} | 5.400 N | Basic static load rating, radial |
| C_{ur} | 280 N | Fatigue load limit, radial |
| n_G | 17.900 1/min | Limiting speed |
| n_{gr} | 15.700 1/min | Reference speed |
| $\approx m$ | 0,043 kg | Weight |

Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 17 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 30 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 0,3 mm | Maximum fillet radius |

Dimensions

| | | |
|------------|---------|---|
| r_{\min} | 0,3 mm | Minimum chamfer dimension |
| D_2 | 27,9 mm | Caliber diameter outer ring |
| d_2 | 19,7 mm | Caliber diameter inner ring |
| a | 18,4 mm | Distance between the apexes of the pressure cones |
| α | 25 ° | Contact angle |

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -20 °C | Operating temperature min. |
| T_{\max} | 120 °C | Operating temperature max. |

