



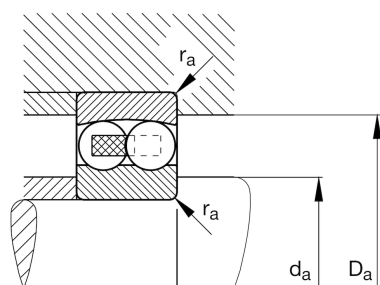
FAG

1306-TVH

Self-aligning ball bearing

Schaeffler ID:
0167006940000Self-aligning ball bearing 13..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

| | | |
|------------|--------------|-----------------------------------|
| d | 30 mm | Bore diameter |
| D | 72 mm | Outside diameter |
| B | 19 mm | Width |
| r_{\min} | 1.1 mm | Minimum chamfer dimension |
| C_r | 21,700 N | Basic dynamic load rating, radial |
| C_{0r} | 6,300 N | Basic static load rating, radial |
| C_{ur} | 400 N | Fatigue load limit, radial |
| n_G | 11,100 1/min | Limiting speed |
| n_{gr} | 8,700 1/min | Reference speed |
| | 0.384 kg | Weight |

Dimensions

| | | |
|-------|---------|------------------------------|
| D_1 | 58.9 mm | Shoulder diameter outer ring |
| d_1 | 45 mm | Shoulder diameter inner ring |

Mounting dimensions

| | | |
|-------------|-------|--------------------------------------|
| $d_{a\min}$ | 37 mm | Minimum diameter shaft shoulder |
| $D_{a\max}$ | 65 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 1 mm | Maximum fillet radius |

Calculation factors

| | | |
|-------|------|---|
| e | 0.26 | Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y |
| Y_1 | 2.41 | Dynamic axial load factor |
| Y_2 | 3.72 | Dynamic axial load factor |
| Y_0 | 2.52 | Static axial load factor |

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 120 °C | Operating temperature max. |