



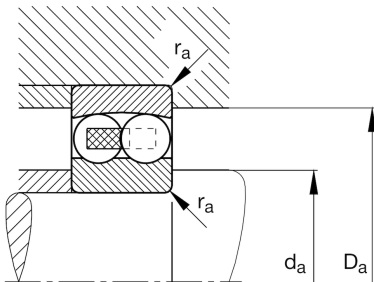
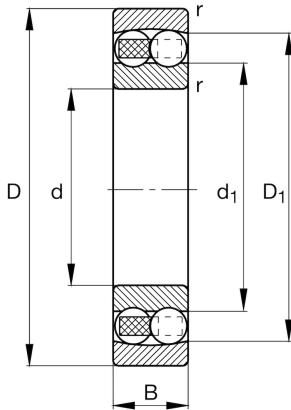
FAG

1304-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0167006600030Self-aligning ball bearing 13..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

| | | |
|----------|---------------|-----------------------------------|
| d | 0,787 in | Bore diameter |
| D | 2,047 in | Outside diameter |
| B | 0,591 in | Width |
| C_r | 2.855,216 lbf | Basic dynamic load rating, radial |
| C_{0r} | 753,147 lbf | Basic static load rating, radial |
| C_{ur} | 47,662 lbf | Fatigue load limit, radial |
| n_G | 16.100 1/min | Limiting speed |
| n_{gr} | 11.600 1/min | Reference speed |
| | 5,785 oz | Weight |

Mounting dimensions

| | | |
|--------------|----------|--------------------------------------|
| $d_{a \min}$ | 1,063 in | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 1,772 in | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 0,039 in | Maximum fillet radius |

Dimensions

| | | |
|------------|----------|------------------------------|
| r_{\min} | 0,043 in | Minimum chamfer dimension |
| D_1 | 1,634 in | Shoulder diameter outer ring |
| d_1 | 1,244 in | Shoulder diameter inner ring |

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -22 °F | Operating temperature min. |
| T_{\max} | 248 °F | Operating temperature max. |

Calculation factors

| | | |
|-------|------|--|
| e | 0,29 | Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y |
| Y_1 | 2,16 | Dynamic axial load factor |
| Y_2 | 3,34 | Dynamic axial load factor |
| Y_0 | 2,26 | Static axial load factor |