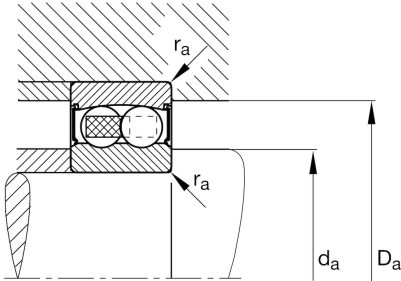
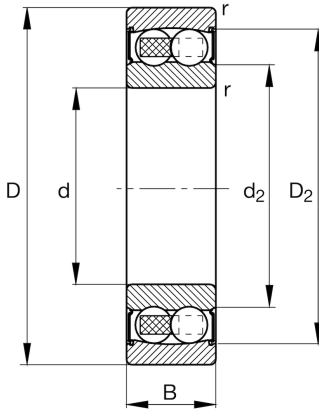
**FAG****2204-2RS-TVH>N** [↗](#)

Self-aligning ball bearing

Self-aligning ball bearing 22...-2RS-TVH, seals, plastic cage

Technical information

**Main Dimensions & Performance Data**

| | | |
|-------------|--------------|-----------------------------------|
| d | 20 mm | Bore diameter |
| D | 47 mm | Outside diameter |
| B | 18 mm | Width |
| C_r | 10.100 N | Basic dynamic load rating, radial |
| C_{0r} | 2.600 N | Basic static load rating, radial |
| C_{ur} | 166 N | Fatigue load limit, radial |
| n_G | 10.100 1/min | Limiting speed |
| $\approx m$ | 0,145 kg | Weight |

Mounting dimensions

| | | |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 25,6 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 41,4 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm | Maximum fillet radius |

Dimensions

| | | |
|------------|----------|------------------------------|
| r_{\min} | 1 mm | Minimum chamfer dimension |
| D_1 | 37,9 mm | Shoulder diameter outer ring |
| D_2 | 40,96 mm | Caliber diameter outer ring |
| d_1 | 28,45 mm | Shoulder diameter inner ring |
| d_2 | 25,76 mm | Caliber diameter inner ring |

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -20 °C | Operating temperature min. |
| T_{\max} | 100 °C | Operating temperature max. |

Calculation factors

| | | |
|-------|------|--|
| e | 0,28 | Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y |
| Y_1 | 2,24 | Dynamic axial load factor |
| Y_2 | 3,47 | Dynamic axial load factor |
| Y_0 | 2,35 | Static axial load factor |