

FAG

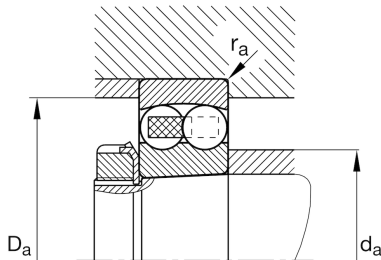
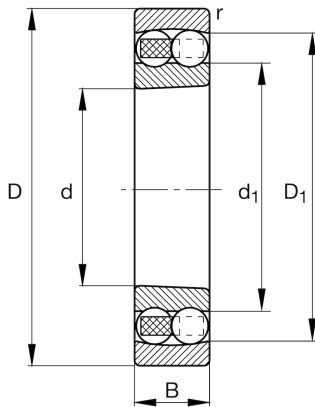
★ 1217-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389033260030Self-aligning ball bearing 12..-K-TVH,
tapered bore taper 1:12, plastic cage

★ Preferred product

Technical information



Temperature range

| | | |
|-----------|----------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 120 °C | Operating temperature max. |
| | 1,989 kg | Weight |

Main Dimensions & Performance Data

| | | |
|-----------|-------------|-----------------------------------|
| d | 85 mm | Bore diameter |
| D | 150 mm | Outside diameter |
| B | 28 mm | Width |
| r_{min} | 2 mm | Minimum chamfer dimension |
| C_r | 49.500 N | Basic dynamic load rating, radial |
| C_{0r} | 20.800 N | Basic static load rating, radial |
| C_{ur} | 1.210 N | Fatigue load limit, radial |
| n_G | 4.900 1/min | Limiting speed |
| n_{gr} | 4.950 1/min | Reference speed |

Dimensions

| | | |
|-------|----------|------------------------------|
| D_1 | 130,4 mm | Shoulder diameter outer ring |
| d_1 | 107,5 mm | Shoulder diameter inner ring |

Mounting dimensions

| | | |
|-------------|--------|---------------------------------------|
| $d_{a min}$ | 96 mm | Minimum diameter shaft shoulder |
| $d_{a max}$ | 105 mm | Maximum diameter shaft shoulder |
| $D_{a max}$ | 139 mm | Maximum diameter of housing shoulder |
| $d_{b min}$ | 90 mm | Minimum cavity diameter of the sleeve |
| $B_{a min}$ | 6 mm | Minimum cavity width of the sleeve |
| $r_{a max}$ | 2 mm | Maximum fillet radius |

Calculation factors

| | | |
|----------------|------|--|
| e | 0,17 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| | H217 | Adapter sleeve |
| Y ₁ | 3,74 | Dynamic axial load factor |
| Y ₂ | 5,79 | Dynamic axial load factor |
| Y ₀ | 3,92 | Static axial load factor |