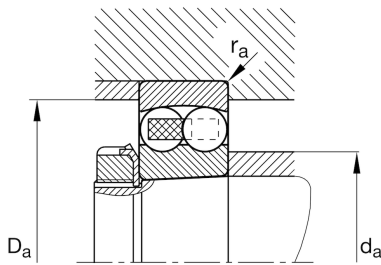
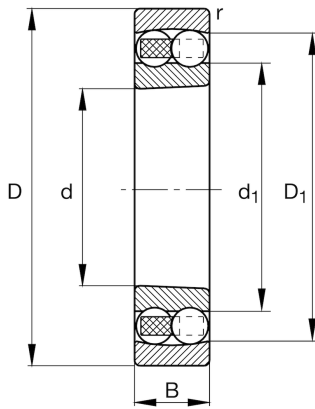
**FAG****1214-K-TVH-C3**

Self-aligning ball bearing

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

Technical information

**Main Dimensions & Performance Data**

| | | |
|-------------|-------------|-----------------------------------|
| d | 70 mm | Bore diameter |
| D | 125 mm | Outside diameter |
| B | 24 mm | Width |
| C_r | 35.000 N | Basic dynamic load rating, radial |
| C_{0r} | 13.800 N | Basic static load rating, radial |
| C_{ur} | 880 N | Fatigue load limit, radial |
| n_G | 6.200 1/min | Limiting speed |
| n_{gr} | 5.900 1/min | Reference speed |
| $\approx m$ | 1,24 kg | Weight |

Mounting dimensions

| | | |
|--------------|--------|---------------------------------------|
| $d_{a \min}$ | 79 mm | Minimum diameter shaft shoulder |
| $d_{a \max}$ | 86 mm | Maximum diameter shaft shoulder |
| $D_{a \max}$ | 116 mm | Maximum diameter of housing shoulder |
| $d_{b \min}$ | 75 mm | Minimum cavity diameter of the sleeve |
| $B_{a \min}$ | 6 mm | Minimum cavity width of the sleeve |
| $r_{a \max}$ | 1,5 mm | Maximum fillet radius |

Dimensions

| | | |
|------------|-----------|------------------------------|
| r_{\min} | 1,5 mm | Minimum chamfer dimension |
| D_1 | 106,08 mm | Shoulder diameter outer ring |
| d_1 | 87,2 mm | Shoulder diameter inner ring |

Temperature range

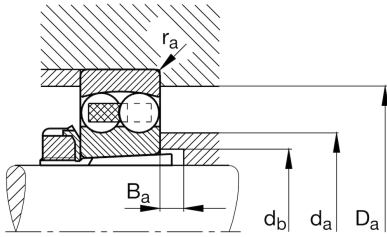
| | | |
|------------|--------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 120 °C | Operating temperature max. |



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Calculation factors

| | | |
|-------|------|--------------------------------------------------------------------------------------|
| e | 0,19 | Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y |
| Y_1 | 3,37 | Dynamic axial load factor |
| Y_2 | 5,22 | Dynamic axial load factor |
| Y_0 | 3,53 | Static axial load factor |

Additional information

| | |
|------|----------------|
| H214 | Adapter sleeve |
|------|----------------|