

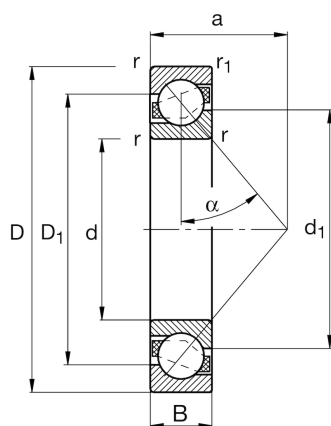
FAG

7240-B-MP

Angular contact ball bearing

Schaeffler ID:
0191163490000Angular contact ball bearing 72..-B-MP,
single row, solid brass cage

Technical information



Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 200 mm | Bore diameter |
| D | 360 mm | Outside diameter |
| B | 58 mm | Width |
| C_r | 325.000 N | Basic dynamic load rating, radial |
| C_{0r} | 480.000 N | Basic static load rating, radial |
| C_{ur} | 14.900 N | Fatigue load limit, radial |
| n_G | 2.750 1/min | Limiting speed |
| n_{gr} | 1.990 1/min | Reference speed |
| | 25,949 kg | Weight |

Additional information

| | | |
|-------------|-----------|---|
| r_{min} | 4 mm | Minimum chamfer dimension |
| $r_{1 min}$ | 1,5 mm | Minimum chamfer dimension |
| D_1 | 297,7 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 265,95 mm | Shoulder diameter on inner ring wide side face |
| a | 146 mm | Distance between the apexes of the pressure cones |
| α | 40 ° | Contact angle |

Mounting dimensions

| | | |
|--------------|--------|---|
| $d_{a min}$ | 217 mm | Minimum diameter of shaft shoulder |
| $D_{a max}$ | 343 mm | Maximum diameter of housing shoulder |
| $D_{b max}$ | 351 mm | Maximaler Durchmesser der Gehäuseschulter |
| $r_{a max}$ | 3 mm | Maximum fillet radius of shaft |
| $r_{a1 max}$ | 1,5 mm | Maximum fillet radius of housing |

Temperature range

| | | |
|-----------|--------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 200 °C | Operating temperature max. |

