

FAG

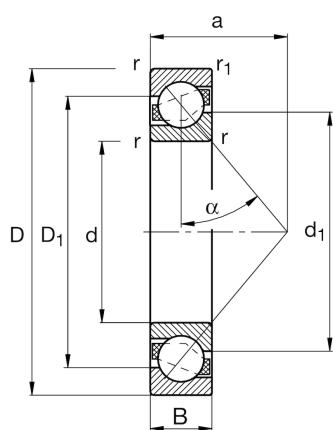
7224-B-XL-MP

Angular contact ball bearing

Schaeffler ID:
0191161360000Angular contact ball bearing 72..-B-XL-MP,
single row, X-life, solid brass cage

X-life

Technical information



Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 120 mm | Bore diameter |
| D | 215 mm | Outside diameter |
| B | 40 mm | Width |
| C_r | 182.000 N | Basic dynamic load rating, radial |
| C_{0r} | 178.000 N | Basic static load rating, radial |
| C_{ur} | 9.600 N | Fatigue load limit, radial |
| n_G | 5.200 1/min | Limiting speed |
| n_{gr} | 3.700 1/min | Reference speed |
| | 6,071 kg | Weight |

Additional information

| | | |
|-------------|----------|---------------------------------------------------|
| r_{min} | 2,1 mm | Minimum chamfer dimension |
| $r_{1 min}$ | 1,1 mm | Minimum chamfer dimension |
| D_1 | 178,9 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 157,2 mm | Shoulder diameter on inner ring wide side face |
| a | 90 mm | Distance between the apexes of the pressure cones |
| α | 40 ° | Contact angle |

Mounting dimensions

| | | |
|--------------|--------|-------------------------------------------|
| $d_{a min}$ | 132 mm | Minimum diameter of shaft shoulder |
| $D_{a max}$ | 203 mm | Maximum diameter of housing shoulder |
| $D_{b max}$ | 208 mm | Maximaler Durchmesser der Gehäuseschulter |
| $r_{a max}$ | 2,1 mm | Maximum fillet radius of shaft |
| $r_{a1 max}$ | 1 mm | Maximum fillet radius of housing |

Temperature range

| | | |
|-----------|--------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 150 °C | Operating temperature max. |

