

**FAG****6226-M-C3**

Deep groove ball bearing

Deep groove ball bearing 62...-M, single row, solid brass cage

Technical information



Your current product variant

| | | |
|----------------------------------|--------------|------------------------------------------|
| Type of Seal | Without | Not sealed |
| Cage | M | Solid brass cage, rolling element guided |
| Tolerance class | PN | Normal (PN) |
| Dimensional / heat stabilization | S0 | Rings dimensional stabilized up to 150° |
| Lubricant | Without | Bearing not greased |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Bore type | Z | Cylindrical |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|-----------------------------------|
| d | 130 mm | Bore diameter |
| D | 230 mm | Outside diameter |
| B | 40 mm | Width |
| C _r | 177.000 N | Basic dynamic load rating, radial |
| C _{0r} | 146.000 N | Basic static load rating, radial |
| C _{ur} | 7.700 N | Fatigue load limit, radial |
| n _G | 5.000 1/min | Limiting speed |
| n _{gr} | 3.900 1/min | Reference speed |
| m | 7,227 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 144 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 216 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 2,5 mm | Maximum fillet radius |

Dimensions

| | | |
|------------|-----------|------------------------------|
| r_{\min} | 3 mm | Minimum chamfer dimension |
| D_1 | 198,64 mm | Shoulder diameter outer ring |
| d_1 | 161,42 mm | Shoulder diameter inner ring |

Temperature range

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

Calculation factors

| | | |
|-------|------|--------------------|
| f_0 | 14,5 | Calculation factor |
|-------|------|--------------------|

Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed