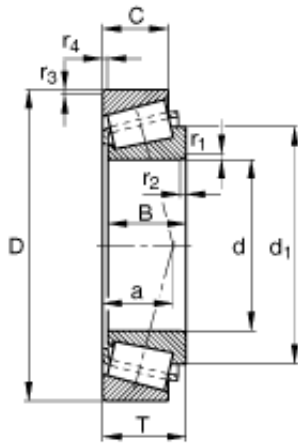




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FAG 30220-A Tapered Roller Bearings

Bearing No. 30220-A

| | |
|------------------------|------------------|
| Size | 100x180x37 mm |
| Bore Diameter | 100 mm |
| Outer Diameter | 180 mm |
| Width | 37 mm |
| d | 100 mm |
| D | 180 mm |
| T | 37 mm |
| a | 36 mm |
| B | 34 mm |
| C | 29 mm |
| $C_{a \text{ min}}$ | 5 mm |
| $C_{b \text{ min}}$ | 8 mm |
| $D_{a \text{ max}}$ | 168 mm |
| $D_{a \text{ min}}$ | 157 mm |
| $D_{b \text{ min}}$ | 168 mm |
| d_1 | 135 mm |
| $d_{a \text{ max}}$ | 116 mm |
| $d_{b \text{ min}}$ | 112 mm |
| $r_{1, 2 \text{ min}}$ | 3 mm |
| $r_{3, 4 \text{ min}}$ | 2,5 mm |
| $r_{a \text{ max}}$ | 3 mm |
| $r_{b \text{ max}}$ | 2,5 mm |
| m | 3,75 kg / Weight |
| C_r | 250000 N |
| | |

30220-A Bearing 2D drawings and 3D CAD models



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| | |
|----------|---|
| C_{0r} | 325000 N / Static load rating (radial) |
| e | 0,42 |
| Y | 1,43 |
| Y_0 | 0,79 |
| C_{ur} | 35500 N / Fatigue limit load, radial |
| n_G | 4000 1/min / Limiting speed |
| n_B | 2800 1/min / Reference speed |