



6005

Single-Row Deep Groove Ball Bearings

Parts Number

6005C3

Boundary Dimensions

| | | | |
|----------|-----|----|-------------------|
| d | 25 | mm | Bore diameter |
| D | 47 | mm | Outside diameter |
| B | 12 | mm | Width |
| r (min.) | 0.6 | mm | Chamfer dimension |

Basic Load Ratings

| | | | |
|----------|-------|---|---------------------------|
| C_r | 11100 | N | Basic dynamic load rating |
| C_{0r} | 5850 | N | Basic static load rating |

Speeds

| | | | |
|----------------|-------|-------------------|----------------------|
| Grease | 18000 | min ⁻¹ | Grease lubrication |
| Oil (Oil-bath) | 22000 | min ⁻¹ | Oil-bath lubrication |

Abutment and Fillet Dimensions

| | | | |
|-----------|-----|----|---|
| da (min.) | 29 | mm | Diameter of shaft abutment |
| da (max.) | 30 | mm | Diameter of shaft abutment |
| Da (max.) | 43 | mm | Diameter of housing abutment |
| ra (max.) | 0.6 | mm | Radius of shaft or housing fillet |
| Dx (min.) | 0 | mm | Diameter of snap ring recess in the housing |
| Cy (max.) | 0 | mm | Distance from outer ring side face to snap ring back face |

Calculation factors

| | | |
|----|------|--------|
| fo | 14.5 | Factor |
|----|------|--------|

Additional information

| | | |
|----|------|---------------------|
| z | 10 | Number of Balls |
| Dw | 6.35 | mm Ball Diameter |

Mass

| | | |
|-----------|-------|----|
| (approx.) | 0.079 | kg |
|-----------|-------|----|

