

31314

Dimensions and Parameters



Designation

| | |
|--------|---------|
| DIN720 | 31314 |
| ISO355 | T7GB070 |

Boundary dimensions(mm)

| | |
|-----------|-----|
| d | 70 |
| D | 150 |
| B | 35 |
| C | 25 |
| T | 38 |
| r1,r2 min | 3 |
| r3,r4 min | 2.5 |
| a | 47 |

Speed ratings

| | |
|--------|------|
| grease | 2000 |
| oil | 3000 |

Load ratings[kN]

| | |
|----------|-----|
| dyn Cr | 186 |
| stat Cor | 220 |

Calculation factors

| | |
|----|------|
| e | 0.83 |
| Y | 0.73 |
| Y0 | 0.5 |

Abutment and fillet

dimensions(mm)

| | |
|--------|----|
| Da max | 84 |
| db min | 82 |

Single Row Tapered Roller Bearings (Metric Series)

| | |
|-----------|-----|
| Da min | 118 |
| Db min | 141 |
| Ca min | 5 |
| Cb min | 13 |
| Mass (kg) | 2.9 |