

# 31305.DF

## Dimensions and Parameters



|             |          |
|-------------|----------|
| Bearing NO. | 31305.DF |
|-------------|----------|

### Boundary dimensions [mm]

|   |      |
|---|------|
| d | 25   |
| D | 62   |
| T | 36.5 |

### Load ratings [kN]

|            |      |
|------------|------|
| Dyna Cr    | 64.4 |
| Static Dor | 80   |

### Fatigue load limit [kN]

|       |     |
|-------|-----|
| $p_u$ | 8.8 |
|-------|-----|

### Speed ratings [rpm]

|           |      |
|-----------|------|
| grease    | 4500 |
| Oil       | 6000 |
| Mass [kg] | 0.55 |

### Bearing dimensions

|          |     |
|----------|-----|
| 2B       | 34  |
| r3.4 min | 1.5 |
| r5 min   | 0.6 |

### Abutment and fillet dimensions

|        |     |
|--------|-----|
| da max | 34  |
| Da min | 47  |
| Da max | 55  |
| Ca min | 3   |
| ra max | 1.5 |
| rb max | 0.4 |

## Paired Single Row Tapered Roller Bearings (Face to Face)

---

### Calculation factors

|    |      |
|----|------|
| e  | 0.83 |
| Y1 | 0.81 |
| Y2 | 1.2  |
| Y0 | 0.8  |