

## Tapered Roller Bearing

### 31300 Series Tapered Roller Bearing-31305J2



|                                     |                |
|-------------------------------------|----------------|
| Designation                         | <b>31305J2</b> |
| Principal dimensions [mm]           |                |
| d1                                  | 25             |
| D                                   | 62             |
| B                                   | 18.25          |
| Basic load ratings [kN]             |                |
| dyc(Cr)                             | 38             |
| stc(Cor)                            | 40             |
| Pu                                  | 4.4            |
| Speed ratings [rpm]                 |                |
| Speed Ratings                       | 7500           |
| Limiting Speed                      | 11000          |
| Weight(Kg)                          | 0.26           |
| ISO335                              |                |
| Dimensions (ABMA)                   | 7FB            |
| Dimensions [mm]                     |                |
| d                                   | 25             |
| d1                                  | 45.8           |
| B                                   | 17             |
| C                                   | <b>13</b>      |
| r1,2(min)                           | 1.5            |
| r3,4(min)                           | 1.5            |
| a                                   | 20             |
| Abutment and fillet dimensions [mm] |                |
| da(max)                             | 34             |
| db(min)                             | 32             |
| Da(min)                             | 47             |
| Da(max)                             | 55             |
| Db(min)                             | 59             |
| Ca(min)                             | <b>3</b>       |
| Cb(min)                             | <b>5</b>       |
| ra(max)                             | 1.5            |
| rb(max)                             | 1.5            |
| Value                               |                |
| e                                   | 0.83           |
| Y                                   | 0.72           |
| Yo                                  | 0.4            |