

## Tapered Roller Bearing

### 31300 Series Tapered Roller Bearing-31311J2/QCL7C



|                                     |                      |
|-------------------------------------|----------------------|
| Designation                         | <b>31311J2/QCL7C</b> |
| Principal dimensions [mm]           |                      |
| d1                                  | 55                   |
| D                                   | 120                  |
| B                                   | 31.5                 |
| Basic load ratings [kN]             |                      |
| dyc(Cr)                             | 140                  |
| stc(Cor)                            | 137                  |
| Pu                                  | 16.6                 |
| Speed ratings [rpm]                 |                      |
| Speed Ratings                       | 4300                 |
| Limiting Speed                      | 5600                 |
| Weight(Kg)                          | 1.55                 |
| ISO335                              |                      |
| Dimensions (ABMA)                   | 7FB                  |
| Dimensions [mm]                     |                      |
| d                                   | 55                   |
| d1                                  | 88.4                 |
| B                                   | 29                   |
| C                                   | 21                   |
| r1,2(min)                           | 2.5                  |
| r3,4(min)                           | <b>2</b>             |
| a                                   | 37                   |
| Abutment and fillet dimensions [mm] |                      |
| da(max)                             | 68                   |
| db(min)                             | 65                   |
| Da(min)                             | 94                   |
| Da(max)                             | 112                  |
| Db(min)                             | 113                  |
| Ca(min)                             | 4                    |
| Cb(min)                             | 10.5                 |
| ra(max)                             | <b>2</b>             |
| rb(max)                             | <b>2</b>             |
| Value                               |                      |
| e                                   | 0.83                 |
| Y                                   | 0.72                 |
| Yo                                  | 0.4                  |