

# 24156-E1 FAG d2 312.8 mm 280x460x180mm Spherical roller bearings

|                     |  |
|---------------------|--|
| Bearing number      | 24156-E1                                 |
| Size (mm)           | 280x460x180                              |
| Brand               | FAG                                      |
| Bore Diameter (mm)  | 280                                      |
| Outer Diameter (mm) | 460                                      |
| Width (mm)          | 180                                      |
| d                   | 280 mm                                   |
| D                   | 460 mm                                   |
| B                   | 180 mm                                   |
| $D_1$               | 392.4 mm                                 |
| $D_{a \max}$        | 440 mm                                   |
| $d_2$               | 312.8 mm                                 |
| $d_{a \min}$        | 300 mm                                   |
| $d_s$               | 8 mm                                     |
| $n_s$               | 15 mm                                    |
| $r_{a \max}$        | 4 mm                                     |
| $r_{\min}$          | 5 mm                                     |
| m                   | 116 kg / Weight                          |
| $C_r$               | 3300000 N / Dynamic load rating (radial) |
| e                   | 0.38                                     |
| $Y_1$               | 1.76                                     |
| $Y_2$               | 2.62                                     |

|          |   |
|----------|---|
| $C_{0r}$ | 5200000 N / Static load rating (radial) |
| $Y_0$    | 1.72                                    |
| $n_G$    | 1230 1/min / Limiting speed             |
| $n_B$    | 520 1/min                               |
| $C_{ur}$ | 425000 N / Fatigue limit load. radial   |