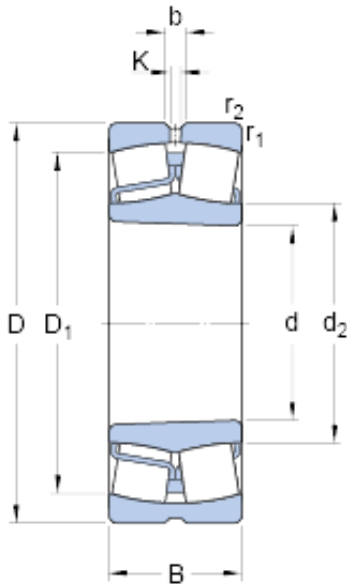




## Bearing company

75 mm x 160 mm x 55 mm skf 22315 ek bearing

Bearing No. 22315 ek



22315 ek Bearing 2D drawings and 3D CAD models

|   |              |
|---|--------------|
| Size                                      | 160x75x55 mm |
| Bore Diameter                             | 160 mm       |
| Outer Diameter                            | 75 mm        |
| Width                                     | 55 mm        |
| d   | 75 mm        |
| D   | 160 mm       |
| B   | 55 mm        |
| d <sub>2</sub>                            | 92.8 mm      |
| D <sub>1</sub>                            | 135 mm       |
| b   | 8.3 mm       |
| K   | 4.5 mm       |
| r <sub>1,2</sub> - min.                   | 2.1 mm       |
| d <sub>a</sub> - min.                     | 83 mm        |
| d <sub>a</sub> - max.                     | 92 mm        |
| D <sub>a</sub> - max.                     | 148 mm       |
| r <sub>a</sub> - max.                     | 2 mm         |
| Basic dynamic load rating - C             | 462 kN       |
| Basic static load rating - C <sub>0</sub> | 475 kN       |
| Fatigue load limit - P <sub>u</sub>       | 48 kN        |
| Reference speed                           | 3200 r/min   |
| Limiting speed                            | 4300 r/min   |
| Calculation factor - e                    | 0.35         |
| Calculation factor - Y <sub>1</sub>       | 1.9          |
| Calculation factor - Y <sub>2</sub>       | 2.9          |
| Calculation factor - Y <sub>0</sub>       | 1.8          |



## Bearing company

|                              |                           |
|------------------------------|---------------------------|
| Category                     | Roller Bearings           |
| Inventory                    | 22.0                      |
| Manufacturer Name            | SKF                       |
| Minimum Buy Quantity         | N/A                       |
| Weight / Kilogram            | 5.238                     |
| EAN                          | 7316571083308             |
| Product Group                | B04311                    |
| bore diameter:               | 75 mm                     |
| maximum rpm:                 | 4300 RPM                  |
| outside diameter:            | 160 mm                    |
| operating temperature range: | Maximum of +390 ° F       |
| overall width:               | 55 mm                     |
| cage material:               | Steel                     |
| bore type:                   | Tapered 1:12              |
| bearing material:            | Steel                     |
| outer ring type:             | Not Split                 |
| precision rating:            | Not Rated                 |
| internal clearance:          | C0                        |
| finish/coating:              | Uncoated                  |
| closure type:                | Open                      |
| outer ring width:            | 55 mm                     |
| lubrication hole type:       | Lubrication Groove & Hole |
| fillet radius:               | 2 mm                      |
| dynamic load capacity:       | 440 kN                    |
| series:                      | 223                       |
| static load capacity:        | 475 kN                    |
| d <sub>2</sub>               | 92.8 mm                   |
| D <sub>1</sub>               | 135 mm                    |
| r <sub>1,2</sub> min.        | 2.1 mm                    |
| D <sub>a</sub> max.          | 148 mm                    |
| r <sub>a</sub> max.          | 2 mm                      |
|                              |                           |



## Bearing company

|                                       |         |
|---------------------------------------|---------|
| Basic dynamic load rating C           | 462 kN  |
| Basic static load rating $C_0$        | 475 kN  |
| Fatigue load limit $P_u$              | 48 kN   |
| Calculation factor e                  | 0.35    |
| Calculation factor $Y_1$              | 1.9     |
| Calculation factor $Y_2$              | 2.9     |
| Calculation factor $Y_0$              | 1.8     |
| Mass bearing                          | 5.45 kg |
| Recommended lock nut tightening angle | 130 °   |