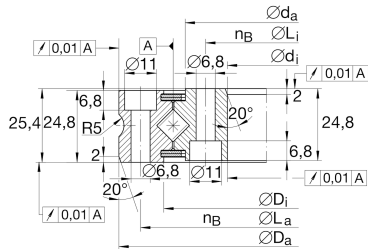


### XSU080188 [↗](#)

Slewing ring, Crossed roller bearing, without gear teeth

Crossed roller bearings standard series 08, without gear teeth, lamellar seals on both sides

### Technical information



### Main Dimensions & Performance Data

|             |           |                                  |
|-------------|-----------|----------------------------------|
| $d_i$       | 150 mm    | Bore Diameter                    |
|             | 0,025 mm  | Bore diameter upper tolerance    |
|             | 0 mm      | Bore diameter lower tolerance    |
| $D_a$       | 225 mm    | Outside Diameter                 |
|             | 0 mm      | Outside diameter upper tolerance |
|             | -0,029 mm | Outside diameter lower tolerance |
| H           | 25,4 mm   | Height                           |
| $\approx m$ | 3,55 kg   | Weight                           |



## Dimensions

|              |         |  |
|--------------|---------|--|
| $D_i$        | 194 mm  | Inner diameter outer ring                    |
| $h_a$        | 24,8 mm | Height outer ring                            |
| $L_a$        | 210 mm  | Pitchcircle diameter fixing holes outer ring |
| $n_a$        | 16      | Number of fixing holes in outer ring         |
| $d_a$        | 179 mm  | Outside diameter inner ring                  |
| $h_i$        | 24,8 mm | Height of inner ring                         |
| $d_B$        | 6,8 mm  | Fixing bore                                  |
| $d_S$        | 11 mm   | Counterbore diameter of fixing holes         |
| $t_S$        | 6,8 mm  | Counterbore depth of fixing holes            |
| $L_i$        | 165 mm  | Pitchcircle diameter fixing holes inner ring |
| $n_i$        | 16      | Number of fixing holes in inner ring         |
| $r_{groove}$ | 5 mm    | Groove radius                                |
|              | 0,01 mm | Running accuracy A (related to the raceway)  |

## Temperature range

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -30 °C | Operating temperature min. |
| $T_{max}$ | 80 °C  | Operating temperature max. |

## Calculation factors

|             |           |  |
|-------------|-----------|--|
| $C_a$       | 70.000 N  | Basic dynamic load rating, axial                         |
| $C_r$       | 49.500 N  | Basic dynamic load rating, radial (for radial load only) |
| $C_{0a}$    | 265.000 N | Basic static load rating, axial                          |
| $C_{0r}$    | 130.000 N | Basic static load rating, radial (for radial load only)  |
| $n_G$       | 203 1/min | Limiting speed   |
| $F_{r zu.}$ | 10.900 N  | Max. radial load screws                                  |



### Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Moments about all axes



Grease Lubrication



Sealed on both sides