

**YRTC950-XL**

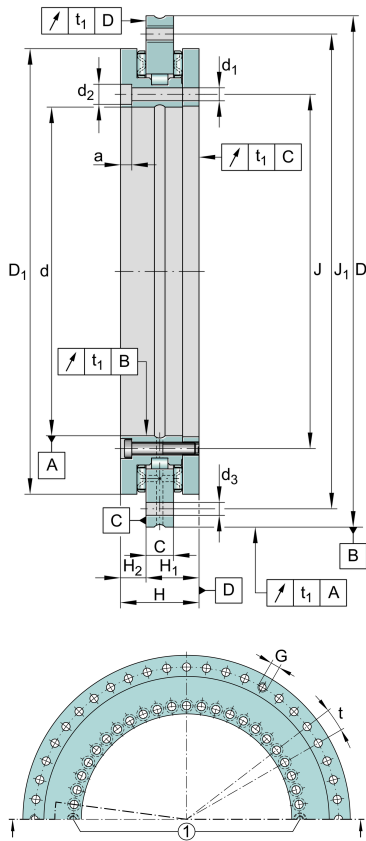
Axial/radial roller bearing

Axial/radial bearings, double direction, for screw mounting



X-life

Technical information

**Main Dimensions & Performance Data**

| | | |
|-------------|-------------|------------------------------------|
| d | 950 mm | Bore diameter |
| | 0 mm | Bore diameter upper tolerance |
| | -0,05 mm | Bore diameter lower tolerance |
| D | 1.200 mm | Outside diameter |
| | 0 mm | Outside diameter upper tolerance |
| | -0,063 mm | Outside diameter lower tolerance |
| H | 132 mm | Height |
| C_r | 550.000 N | Basic dynamic load rating, radial |
| C_{0r} | 1.890.000 N | Basic static load rating, radial |
| C_a | 1.080.000 N | Basic dynamic load rating, axial |
| C_{0a} | 9.500.000 N | Basic static load rating, axial |
| n_G | 45 1/min | Limiting speed |
| M_R | 170 Nm | Bearing friction torque at 5 1/min |
| $\approx m$ | 297,64 kg | Weight |



Mounting dimensions

| | | |
|----------------|----------|---|
| J | 990 mm | Pitch circle diameter fixing holes in inner ring |
| J ₁ | 1.160 mm | Pitch circle diameter fixing holes in outer ring |
| d ₁ | 18 mm | Fixing holes diameter inner ring |
| d ₂ | 26 mm | Counterbore diameter of fixing holes |
| a | 17 mm | Counterbore depth of fixing holes |
| | 58 | Quantity of fixing holes inner ring |
| d ₃ | 18 mm | Fixing holes diameter outer ring |
| | 54 | Quantity of fixing holes outer ring |
| n | 60 | Pitch quantity |
| t | 6 ° | Pitch separation angle |
| G | M16 | Threaded extraction hole |
| | 6 | Quantity of threaded extraction hole |
| M _A | 284 Nm | Screw tightening torque |
| | 2 | Quantity of retaining screws |
| t ₁ | 12 µm | Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction. |

Dimensions

| | | |
|--------------------|----------|--|
| H ₁ | 86 mm | Height contact face outer ring |
| | 0,3 mm | Height contact face outerring H1 upper tolerance |
| | -0,3 mm | Height contact face outerring H1 lower tolerance |
| H ₂ | 46 mm | Height contact face outer ring |
| | 0,3 mm | Height contact face outerring H2 upper tolerance |
| | -0,3 mm | Height contact face outerring H2 lower tolerance |
| D _{1 max} | 1.130 mm | Maximum diameter inner ring |
| C | 40 mm | Width of outer ring |










Temperature range

| | | |
|-----------|--------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 120 °C | Operating temperature max. |

Additional information

| | | |
|----------|--------------------|---|
| c_{aL} | 61.400 N/ μ m | Axial rigidity of bearing position |
| c_{rL} | 19.000 N/ μ m | Radial rigidity of bearing position |
| c_{kL} | 4.893.000 Nm/mrad | Tilting rigidity of bearing position |
| c_{aW} | 72.700 N/ μ m | Axial rigidity of rolling element set |
| c_{rW} | 17.900 N/ μ m | Radial rigidity of rolling element set |
| c_{kW} | 11.494.000 Nm/mrad | Tilting rigidity of rolling element set |

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Moments about all axes
-  Grease Lubrication
-  Not sealed
-  Large bearing