

NKXR15-XL

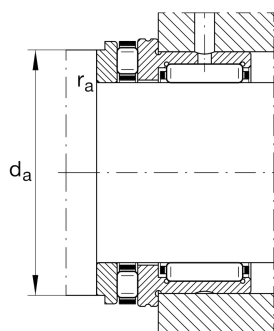
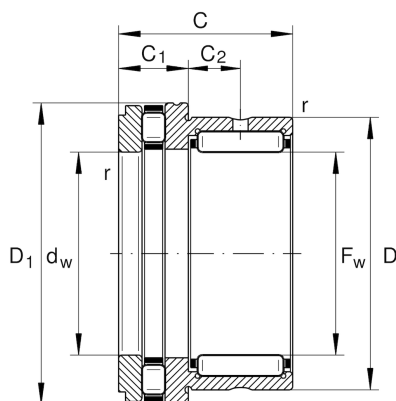
Needle roller/axial cylindrical roller bearing

Schaeffler ID:
0507805300000

Needle roller/axial cylindrical roller bearings NKXR, axial component, single direction, to DIN 5429, without end cap, for oil lubrication

X-life

Technical information



Main Dimensions & Performance Data

| | | |
|----------|--------------|-----------------------------------|
| F_w | 15 mm | Bore diameter |
| D | 24 mm | Outside diameter |
| C | 23 mm | Height |
| C_r | 12.100 N | Basic dynamic load rating, radial |
| C_{0r} | 12.700 N | Basic static load rating, radial |
| C_a | 14.400 N | Basic dynamic load rating, axial |
| C_{0a} | 28.500 N | Basic static load rating, axial |
| C_{ur} | 2.360 N | Fatigue load limit, radial |
| C_{ua} | 4.050 N | Fatigue load limit, axial |
| n_G | 13.000 1/min | Limiting speed |
| n_{gr} | 6.500 1/min | Reference speed |
| | 41,38 g | Weight |

Dimensions

| | | |
|-------------|---------------|--------------------------------------|
| $D_{1\max}$ | 28,1 mm | Maximum outside diameter flange |
| | IR12X15X16-XL | Suitable inner rings IR |
| $D_{2\max}$ | 28,1 mm | Maximum outside diameter flange |
| C_1 | 9 mm | Width of the axial bearing component |
| C_2 | 6,5 mm | Distance to lubrication hole |
| d_w | 15 mm | Bore diameter of shaft washer |
| r_{\min} | 0,3 mm | Minimum chamfer dimension |

Mounting dimensions

| | | |
|-------------|---------|-----------------------------------|
| d_a | 23,7 mm | Mounting dimension shaft shoulder |
| $r_{a\max}$ | 0,3 mm | Maximum recess radius |

Temperature range

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