

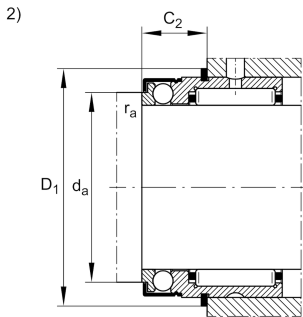
**NX12-Z-XL**

## Needle roller/axial ball bearing

Needle roller/axial ball bearings NX...-Z, single direction axial component, for grease lubrication

X-life

## Technical information



## Your current product variant

Type of Seal	Z	Bearing with end cap
Cage	Standard	

## Main Dimensions &amp; Performance Data

$F_w$	12 mm	Bore diameter
D	21 mm	Outside diameter
C	18 mm	Height
$C_r$	5.400 N	Basic dynamic load rating, radial
$C_{0r}$	4.300 N	Basic static load rating, radial
$C_a$	4.850 N	Basic dynamic load rating, axial
$C_{0a}$	8.200 N	Basic static load rating, axial
$C_{ur}$	840 N	Fatigue load limit, radial
$C_{ua}$	375 N	Fatigue load limit, axial
$n_G$	9.500 1/min	Limiting speed
$\approx m$	23,69 g	Weight



### Mounting dimensions

$d_a$	16,6 mm	Mounting dimension shaft shoulder
$r_{a \max}$	0,3 mm	Maximum recess radius
$D_1$	23,7 mm	Connection diameter snap ring
$C_2$	10 mm	Connection width with snap ring

### Dimensions

$C_1$	4,7 mm	Distance to lubrication hole
$C_2$	4,7 mm	Distance to lubrication hole
$d_w$	12 mm	Bore diameter of shaft washer
$r_{\min}$	0,3 mm	Minimum chamfer dimension





### Temperature range

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

### Additional information

IR8X12X10-IS1-XL	Suitable inner rings IR
WR21, SW21	Snap ring

### Characteristics

	Radial load
	Axial load in one direction
	Grease Lubrication
	Sealed on one side