

**STO12**

## Yoke type track roller

Yoke type track rollers STO..., single row needle roller bearings with particularly thick-walled outer ring, needle roller and cage assembly and an inner ring, without axial guidance of the outer ring, open, inner ring, outer ring and needle roller and cage assembly can be mounted separately

## Technical information



## Your current product variant

|                        |         |                                 |
|------------------------|---------|---------------------------------|
| Sealing                | Without |                                 |
| Outer ring profile     | R500    | R500                            |
| Relubrication facility | IR      | Via inner ring lubrication hole |

## Main Dimensions &amp; Performance Data

|           |             |                                       |
|-----------|-------------|---------------------------------------|
| d         | 12 mm       | Bore diameter                         |
| D         | 32 mm       | Outside diameter                      |
| C         | 11,8 mm     | Width, outer ring                     |
| $C_{rW}$  | 9.000 N     | Basic dynamic load rating, radial     |
| $C_{0rW}$ | 10.400 N    | Basic static load rating, radial      |
| $C_{urW}$ | 1.560 N     | Fatigue load limit, radial            |
| $n_{DG}$  | 4.500 1/min | Speed on permanent grease lubrication |
| $m$       | 55,7 g      | Weight                                |

## Dimensions

|           |        |                                      |
|-----------|--------|--------------------------------------|
| B         | 12 mm  | Width, inner ring                    |
| E         | 22 mm  | Raceway diameter outer ring          |
| $r_{min}$ | 0,3 mm | Minimum chamfer dimension            |
| F         | 16 mm  | Raceway diameter inner ring          |
| R         | 500 mm | Radius of outer ring outside profile |



### Characteristics

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Radial load



Grease Lubrication



Oil Lubrication



Not sealed