# Roll-Ring® chain tensioner

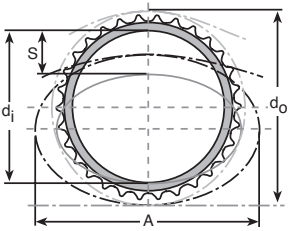
## RLR

### Self-adjusting

- ***Easily installed***
- *Uses the space between two drive sprockets*
- *Self positioning*
- *Dampens vibration*
- *Self lubricating*
- *Working temperature: -20°C to +70°C (except RLR20-030: -4°C to +40°C)*
- *Normal resistance to UV radiation*
- *Material: polymer*

## Use

- *Multiple tensioners can be used in series on long chains or in parallel on multiple chains*
- *On triple chains, tensioners are only needed on inner and outer strands*




## Advantages

- *Works equally as well on vertically or diagonally mounted chains*
- *Does not require fixing or special installation*

**Very easy to use**

**DISCOUNTS**

| Qty | 1+ | 6+ | 21+ |
|---|---|---|---|
| Disc. | List | -5% | On request |

| Part number | No. of teeth | Ref. ISO | Pitch (mm) | do | Internal diameter di | Max. deviation S | A | Static force of max. expansion (N) | Max. chain speed (m/s) | Stock* | Price each 1 to 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RLR05-030 | 30 | 05B | 8,00 | 76,5 | 65,0 | 20 | 104,0 | 2,9 | 5,0 | - | 105,32 € |
| RLR06-030 | 30 | 06B | 9,52 | 91,1 | 73,0 | 25 | 122,0 | 15,2 | 5,2 | ✔ | 91,26 € |
| RLR06-036 | 36 | 06B | 9,52 | 109,0 | 89,0 | 25 | 143,0 | 28,5 | 5,2 | ✔ | 103,31 € |
| RLR08-026 | 26 | 08B | 12,70 | 105,5 | 87,5 | 27 | 135,8 | 13,4 | 7,5 | ✔ | 84,91 € |
| RLR08-030 | 30 | 08B | 12,70 | 121,5 | 101,6 | 30 | 161,6 | 14,2 | 8,6 | ✔ | 98,03 € |
| RLR08-034 | 34 | 08B | 12,70 | 137,5 | 115,4 | 30 | 165,0 | 22,0 | 8,8 | ✔ | 111,09 € |
| RLR10-026 | 26 | 10B | 15,88 | 128,4 | 105,0 | 28 | 153,0 | 28,2 | 4,2 | ✔ | 103,54 € |
| RLR10-030 | 30 | 10B | 15,88 | 148,0 | 124,6 | 33 | 177,0 | 23,0 | 8,8 | - | 119,11 € |
| RLR10-034 | 34 | 10B | 15,88 | 170,0 | 141,0 | 38 | 217,0 | 45,1 | 8,8 | - | 135,22 € |
| RLR12-026 | 26 | 12B | 19,05 | 155,0 | 127,6 | 35 | 209,5 | 39,2 | 5,4 | ✔ | 125,17 € |
| RLR12-030 | 30 | 12B | 19,05 | 182,2 | 153,1 | 45 | 242,0 | 32,2 | 6,2 | - | 144,53 € |

**Depending on availability - Dimensions in mm*

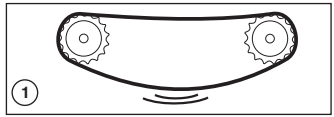
## Installation

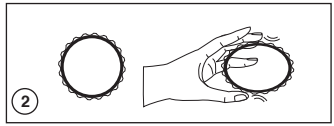
Roll-Ring® chain tensioners do not require any maintenance and can be installed on practically all chain drive systems. **Their installation takes virtually no time and is inexpensive.** The only conditions that must be met to be able to use them are:

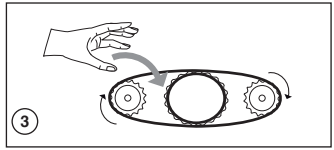
- The gap between the chain strands must be sufficiently large.
- The distance between the chain sprockets must be sufficiently large.

We recommend that you position the tensioner between two chain strands so that there is at least the equivalent of one chain pitch between the Roll-Ring® and the smallest sprocket. The Roll-Ring® can also be mounted in an alternative but efficient manner to that previously described, simply verify that the pre-load is sufficiently high. We do however; recommend that you carry out tests if this is done.

Roll-Ring® chain tensioners can be used in series on the same chain strand. They can also be used in parallel on each strand of a multiple strand chain. For example, a triple strand chain requires two Roll-Ring® tensioners on the outside strands.

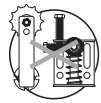



## Advantages


Reduced installation time



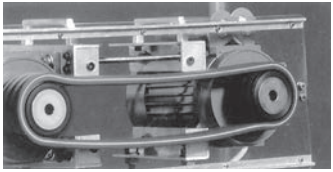
No additional machining required

Reduced noise

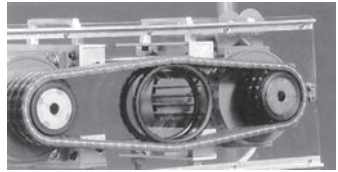
Easy installation

Maintenance free

**Typical Roll-Ring© applications**



Vibrations on a non tensioned chain



The Roll-Ring© tensions and dampens the chain

# Our other products

BZY

Cylindrical elasto mount, Steel

PSG25S

Spur gear - precision range, Stainless steel 316

PCS62K

Chain sprocket with hardened teeth, 15.875mm (DIN10B-1)


ALIDRP240

24V DC power supply, 10 A

PTA50ssEB

Articulated foot with sheet metal base Ø50, Articulated foot

NT92

Spur gear coaxial gearbox, from 15 to 40 Nm - Inline

BCAss

Stainless steel splined bush, Inox

AK

Bellows coupling Gerwah®, from 36 to 800Nm

KKP-AR

Linear bearing with inclined ball tracks,

HTD14M_55

HTD Heavy duty timing pulley, HTD14

TS01_TW01

Drylin® T linear slide, up to 7000 N

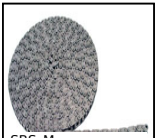
DH

Dowel pin, Solid DIN 6325

## Complementary products

SUA4

Single chain supplied by the metre, Steel



SBS_M

Single chain supplied by the metre, Stainless steel

TCXR

Automatic chain tensioner, With stainless steel sprocket

TCLar

Automatic chain tensioner, With wide guide