

# 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

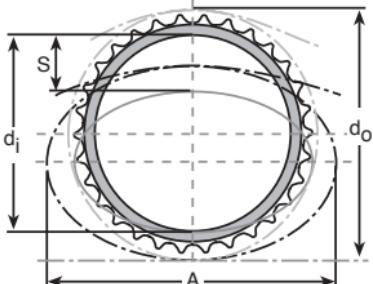
### Use

- 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	Max. deviation	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

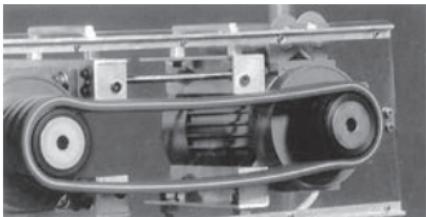
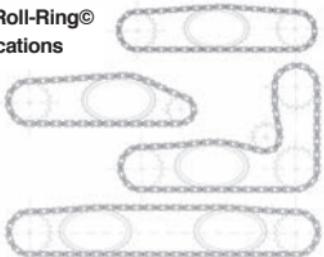
Roll-Ring® chain tensioners do not require any maintenance and can be installed on practically all chain drive systems. **Their installation takes virtually no time and is inexpensive.** The only conditions that must be met to be able to use them are:

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

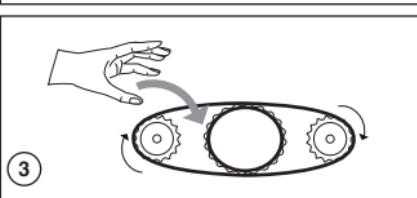
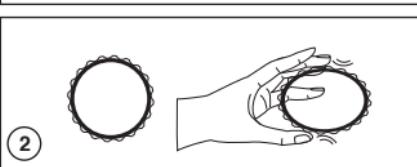
We recommend that you position the tensioner between two chain strands so that there is at least the equivalent of one chain pitch between the Roll-Ring® and the smallest sprocket. The Roll-Ring® can also be mounted in an alternative but efficient manner to that previously described, simply verify that 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.

### Typical Roll-Ring® applications



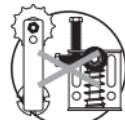
Vibrations on a non tensioned chain



## Advantages



Reduced installation time



No additional machining required



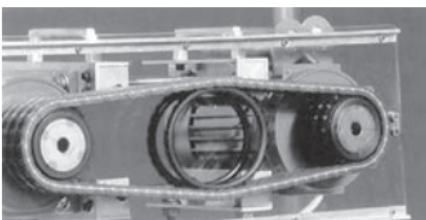
Reduced noise



Easy installation



Maintenance free



The Roll-Ring® tensions and dampens the chain

## Our other products



F7-SF-SM  
Multifunction display,  
Right angled  
mounting bracket



NSO  
Housing for open  
linear bearing,  
Opened - long



IN1  
Internal gear, Steel  
20NCD2



PTA100  
Articulated levelling  
foot, pressed base  
Ø100, 15000N



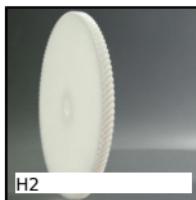
HLA19  
Right angle spiro  
bevel gearbox, Up to  
43Nm



AKN  
Bellows coupling  
Gerwah®, from 22 to  
180Nm



FBL6000\_K19  
Brush strip per meter  
horsehair fibres Ø0.2,  
Black horsehair



H2  
Crossed helical gear  
crossed axis at 90°,  
Machined plastic  
(delrin)



PO  
Pull handle - Multi-  
sector, Tapped  
recessed insert



NK27  
Drylin® N miniature  
guiding system, Width  
27 mm



MC  
Self-compensating  
shock-absorber, Self-  
compensating -

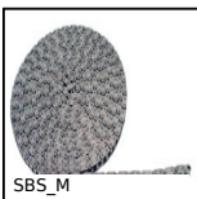


SA\_SAKH  
Housing for linear  
bearing, Closed - light  
load

## 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