



The Roll-Ring® chain tensioner is based on two simple phenomena:

- The elastic ring engages with the chain drive strands and rolls between them in a pre-stressed condition, taking the shape of an ellipse.
- The constantly opposing movements of the load and slack strands cancel each other out, thereby holding the Roll-Ring® in position.

### Installation and maintenance

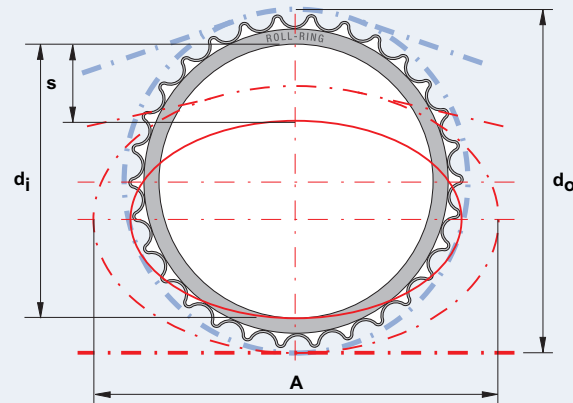
Roll-Ring® chain tensioners are maintenance free and can be fitted to a wide variety of chain drives with no installation downtime.

Requirements:

- A working space with a gap between the chain strands which is smaller than the reference diameter of the chain tensioner.
- A sufficient gap between the chain drive sprockets.

It is recommended that Roll-Ring® be positioned between two chain strands such that there is at least one chain pitch between the Roll-Ring® and the smallest sprocket. The Roll-Ring® can also be positioned just as effectively outside this recommended area, as long as it is sufficiently pre-stressed. In this case, practical trial and error testing is recommended.

Roll-Ring® chain tensioners can be used in line within the same chain strand, or parallel with each other in multi-strand chain drives. Triple-strand chain drives require only two Roll-Ring® positioned on the outer strands.



## Roll-Ring® Chain Tensioners Standard Product Range

Part Number	Teeth	Chain Number	do	di	s	A
10503001	30	05B	3.014	2.561	0.788	4.098
10603001	30	35	3.589	2.876	0.985	4.807
10603601	36	35	4.295	3.526	0.985	5.634
10802601	26	40	4.023	3.329	0.946	5.351
10803001	30	40	4.787	3.861	1.103	6.367
10803401	34	40	5.418	4.547	1.182	6.501
11002601	26	50	5.059	4.137	1.103	6.028
11003001	30	50	5.831	4.909	1.300	6.974
11003401	34	50	6.698	5.555	1.497	8.550
11202601	26	60	6.107	5.027	1.379	8.254
11203001	30	60	7.179	5.713	1.576	9.523
11203401	34	60	8.176	6.678	1.773	10.441
11602601	26	80	8.156	6.580	1.773	10.599
11603001	30	80	9.685	7.959	1.970	12.056
12003001	30	100	11.966	9.614	2.364	15.366