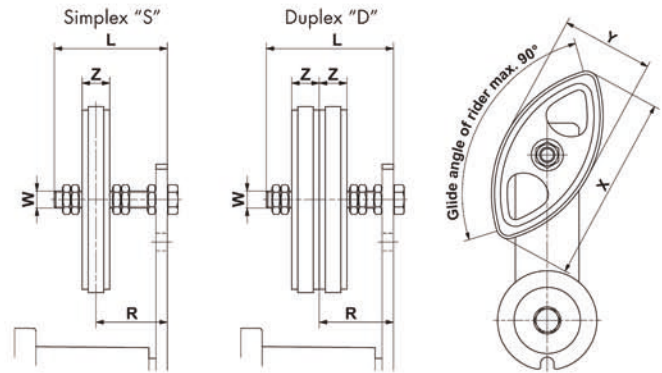


# Chain Drives

## Chain rider set type P Chain rider type P

For an ideal positioning of the chain rider/s on the threaded rod we do recommend to position them on each side by means of two nuts, secured against each other, with some play for swivelling into working position.

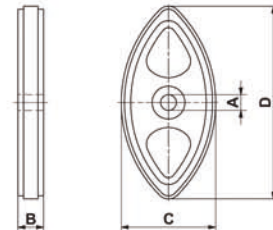


## Chain rider set type P

Roller chain ANSI   DIN 8187		Type	Art. No.	W	L	X	Y	Z	Torque hex nut 0.5d [Nm]	Adjusting range track R	Size SE	Weight [kg]
<b>Simplex "S"</b>												
35	ISO 06 B-1	P3/8"-8 S	06 550 001	M8	45	74	37	10.2	11	19-34	11	0.05
40	ISO 08 B-1	P1/2"-10 S	06 550 002	M10	55	96	48	13.9	20	23-41	15/18	0.10
50	ISO 10 B-1	P5/8"-10 S	06 550 003	M10	55	126	63	16.6	20	24-39	18	0.12
60	ISO 12 B-1	P3/4"-12 S	06 550 004	M12	80	148	72	19.5	35	30-61	27	0.18
<b>Duplex "D"</b>												
35	ISO 06 B-2	P3/8"-8 D	06 560 001	M8	45	74	37	10.2	11	25-30	11	0.07
40	ISO 08 B-2	P1/2"-10 D	06 560 002	M10	55	96	48	13.9	20	30-34	15/18	0.12
50	ISO 10 B-2	P5/8"-10 D	06 560 003	M10	70	126	63	16.6	20	34-46	18	0.17
60	ISO 12 B-2	P3/4"-12 D	06 560 004	M12	80	148	72	19.5	35	40-52	27	0.26

## Chain rider type P

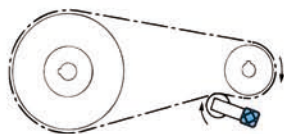
Roller chain ANSI   DIN 8187		Type	Art. No.	A <sup>+0.2 0</sup>	B	C	D	Weight [kg]
35	ISO 06 B	P3/8"	06 540 001	8	10.2	37	74	0.02
40	ISO 08 B	P1/2"	06 540 002	10	13.9	48	96	0.03
50	ISO 10 B	P5/8"	06 540 003	10	16.6	63	126	0.05
60	ISO 12 B	P3/4"	06 540 004	12	19.5	72	148	0.07



## Mounting instructions for Chain Drives

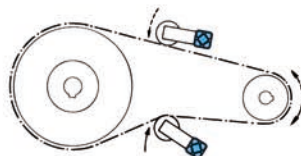
### Standard positioning

The ROSTA tensioning device should be placed on the slack-side of the chain drive, close by the smaller sprocket wheel in order to enlarge its contact-arc, therefore contact application from outer side of drive. In mounted position the tensioner-arm should stay close to parallel to the chain run, in drain direction. By extremely long chain drives it is recommendable to install several tensioners or the type "Boomerang®" in order to enlarge the slack compensation.



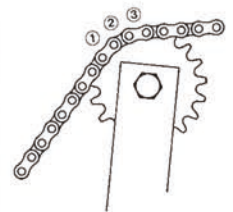
### Reversible chain drive

By reversible chain transmissions it is recommendable to install a tensioner on each side of the chain-strands. Due to the alternate occurring of the slack, both tensioners should only be pre-tensioned up to max. 20°, in order to retain a reset-path of 10°, when strains are changing from slack span on working span in reversible applications.



### Sprocket teeth in mesh

By the initial tensioning of the chain at least three teeth of the tensioner sprocket wheel should be in mesh with the rollers. The min. distance between sprocket wheel of the tensioner to the next sprocket wheel in the chain drive should be at least four chain-pitches.



### Adjustment of chain-track

The wheel of the sprocket wheel set is adjustable according to the position of the chain drive track. The wheel is positioned between two nuts on the threaded shaft. In changing the adjustment band "R", the track of the tensioner wheel can be set according to relevant strand course. After positioning of sprocket, re-tighten the two nuts on the side. The counter-nut "B" remains always tightened.

