



# Installation Instructions for Rosta Elastomeric Tensioner

## Mounting Requirements

- The tensioner should always be mounted on the slack (non-drive) side of the chain or belt. (Fig. 1)
- The tensioner must always be mounted in a C-configuration (Fig. 3) with the idler sprocket positioned over the tensioner body.
- The idler sprocket should be positioned approximately 1/3 of the center distance from the drive sprocket.
- Chain Drives: Position the idler sprocket on the outside of the drive and engage at least three teeth in the chain.
- V-Belt Drives: Position the idler pulley on the inside of the drive.

## Assembly Instructions

### Step 1

Drill a mounting hole positioned to meet the above requirements and corresponding to the mounting bolt size specified in Table 1. The tensioner can be rotated 360° to any position around the single mounting bolt.

### Step 2

Mount the tensioner however, do not fully tighten the mounting bolt. Align the idler sprocket or pulley to the chain or belt. Once the idler sprocket is aligned, firmly tighten the idler positioning nuts on the idler bolt.

### Step 3

Adjust the tensioner to the correct degree of tension by placing a wrench on the square portion of the tensioner body and a second wrench on the mounting bolt.

### Step 4

Apply pressure to the tensioner body in the appropriate direction until the chain or belt is properly tensioned. (Fig. 4) Note that the tensioner is designed to deflect up to 30° either side of its normal position. (Fig. 2)

### Step 5

While holding the tensioner body in position, tighten the mounting bolt to the recommended securing torque shown in Table 1.

### Step 6

Before starting the drive check the nuts on the idler bolt for tightness.

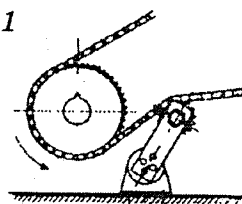
### Step 7

After the drive has been started, visually inspect the tensioner for alignment and proper tensioning.

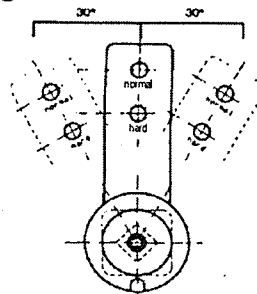
**Table 1: Mounting Information; Informations sur les Tailles; Informacion sobre el Tama.**

Tensioner Model Size	Mounting Bolt Size (Metric)	Drill Hole For Mounting	Securing Torque For Mounting Bolt in-lbs Nm	Idler Bolt Size U.S.
SE 11	M6 x 20	¼"	89	¾" - 16 x 2
SE 15	M8 x 20	⅝"	221	½" - 13 x 2
SE 18	M10 x 30	⅞"	434	½" - 13 x 2½
SE 27	M12 x 40	1"	761	½" - 13 x 3½
SE 38	M16 x 40	⅝"	1859	¾" - 10 x 5
SE 45	M20 x 50	1⅜"	3629	¾" - 10 x 6
SE 50	M24 x 60	1"	6638	¾" - 10 x 6

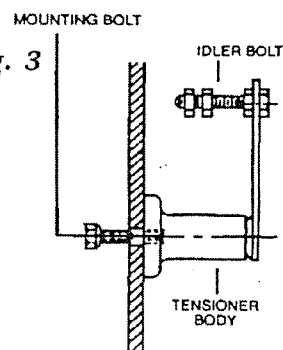
**Fig. 1**



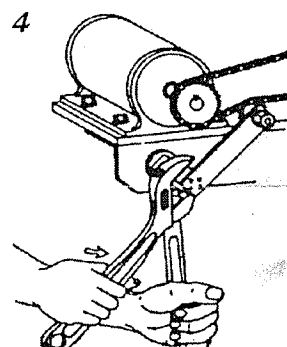
**Fig. 2**



**Fig. 3**



**Fig. 4**



**Table 2: Sizing Information; Informations de Montage; Informacion sobre el Montaje.**

ANSI Chain Size	V-Belt Size	Flat Belt Width	Tensioner Model Number
25 S, D, T	A	...	SE 11/PT 11
35 S, D, T	A, B, 3L	---	SE15
35 S, D, T 40 S, D, T 41 S, D, T	B, C, 4L, 5L	1", 2"	SE 18
40T, 41T, 50 S, D, T 60 S, D, T	D, E	2" 3" 4"	SE 27
80 S, D, T	...	4", 5"	SE38
80T, 100 S, D, T 120 S, D, T	...	5", 6"	SE45
160 S, D 180 S, D 200 S, D	...	...	SE45
160T, 180T, 200T, 240S, D	...	...	SE 50

S = Single Strand (Simple Toron; Ramal Simple)  
D = Double Strand (Double Toron; Ramal Doble)  
T = Triple Strand (Triple Toron; Ramal Triple)