

# Chain Tensioners

## Idler Set Type

**Features:** Tensioners for intermediate tensioning which allows tension to be adjusted just by rotating the shaft.

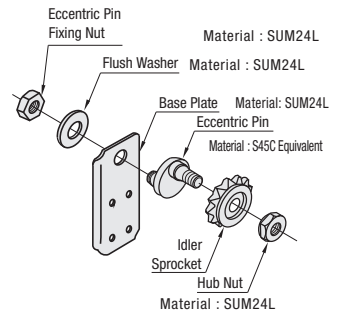
**THBS**

- Spacer (4 pcs.)
- M8 Screw (4 pcs.)
- M8 Nut (4 pcs.)

Type	M Material	S Surface Treatment
Idler Sprockets	S35C Equivalent (Tooth Surface: Induction Hardened)	
Base Plate	SUM24L	Black Oxide
Spacer		

Part Number	Applicable Roller Chain	Idler Sprockets				A	B	Mass (kg)	Unit Price
		Part No.	Number of Teeth	Do	Dp				
<b>THBS</b>	35	JIS35	DRC35-18	18	60	26	47	0.89	
	40	JIS40	DRC40-15	15	67			0.92	
	50	JIS50	DRC50-13	13	74			0.96	
	60	JIS60	DRC60-11	11	76			1.00	
	80	JIS80	DRC80-9	9	85			1.11	

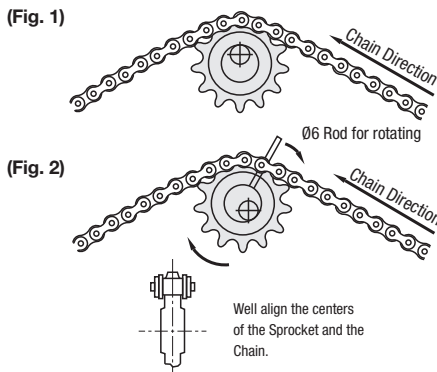
**i** When adjusting tension at the non-drive side, see **P1555**.



**Ordering Example**  
Part Number: **THBS35**

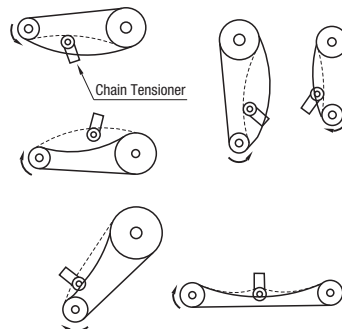
### Tension Adjustment Method

By inserting a  $\varnothing 6$  rod in a hole of the eccentric pin and rotating, tension adjustment of max. 50mm can be obtained. Fix base plate so that idler and chain engage each other at a position of max. tension tolerance (Fig. 1), and tighten the eccentric pin nut in chain driving direction.



### Chain Tensioner Position

Install a chain tensioner on the loose side as shown in the figure below.



(Note) Do not use the Chain Tensioner under the conditions where it is located on the side of adjusting tensions, such as forward reverse rotary drive.