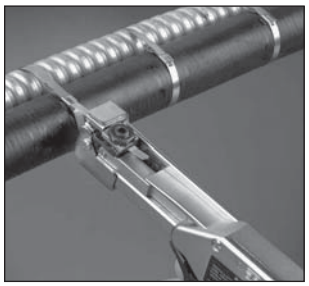
Ty-Rap®

Stainless Steel Self-Locking Ties



Stainless Steel Ties With Roller Locking Mechanism

Thomas & Betts offers a line of self-locking, stainless steel ties for indoor and outdoor use. This low profile design features an internal locking roller and spring-tension head that ensures a secure fit.

Features and Benefits

- Spring feature provides extra snug fit in applications where bundle tightness is critical.
- Internal locking roller (Average slip, within the locking mechanism at 100 lb. load is 55% lower than conventional ball lock design).
- Rounded edges and smooth surfaces for fast, safe hand installation.
- Buckle length is 38% less and height is 24% less than the conventional ball locking design.
- 5 standard lengths with custom lengths available.
- Available in two grades of stainless steel (302/304 for standard applications and 316 for extra corrosion resistance).

Ideal Applications

- High temperature locations.
- Marine environment (ship building, salt water environment).
- Harsh environment (oil rigs, wash down areas, refineries, food processing plants, auto car washers).
- Automotive plants.

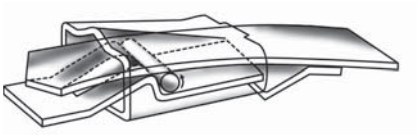
Application Tool

DAS-250 Hand Tool

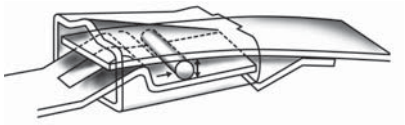
(Adjustable tension, automatic cut-off)

Spare Blades Part No. BL250S

How It Works



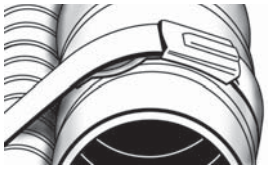
Insert the tail into the buckle. The internal locking bar rolls freely as the tie is tightened.



Once the proper tension is reached the tool automatically cuts off the tail. The bar then wedges into the buckle locking it tightly against both the top and bottom of the band.

Roller Locking Mechanism vs. Ball Locking Mechanism

Characteristic	Self-Lok	Ball Lock
Rating (pounds)	150	100
Buckle Length (inch)	.260	.420
Height Over Buckle (inch)	.130	.170
Avg. Slip @ 100 Lb Load (inch)	.090	.200
Normal Mode of Failure	Cont. Slip	Loss of Ball
Buckle Retention	Smooth ID	Fold Under
Tie Length	Same	Same
Material	304 or 316 SS	304 or 316 SS



Unique Spring-Tension Head Design provides extra snug fit where bundle tightness is critical.

Ordering Information

Cat. No.	Length in.	Length mm.	Width in.	Width mm.	Max. Bundle Dia. in.	Max. Bundle Dia. mm.	Tensile lb.	Tensile kg.	Qty./box pcs.
302/304 Grade Stainless Steel									
TS-4.6-200A	8.8	222.9	0.18	4.6	2	50.8	150	68.0	100
TS-4.6-360A	15.3	388.0	0.18	4.6	4	101.6	150	68.0	100
TS-4.6-520A	21.3	540.4	0.18	4.6	6	152.4	150	68.0	100
TS-4.6-680A	27.8	705.5	0.18	4.6	8	203.2	150	68.0	100
TS-4.6-840A	33.8	857.9	0.18	4.6	10	254.0	150	68.0	100
316 Grade Stainless Steel									
TS-4.6-200B	8.8	222.9	0.18	4.6	2	50.8	150	68.0	100
TS-4.6-360B	15.3	388.0	0.18	4.6	4	101.6	150	68.0	100
TS-4.6-520B	21.3	540.4	0.18	4.6	6	152.4	150	68.0	100
TS-4.6-680B	27.8	705.5	0.18	4.6	8	203.2	150	68.0	100
TS-4.6-840B	33.8	857.9	0.18	4.6	10	254.0	150	68.0	100

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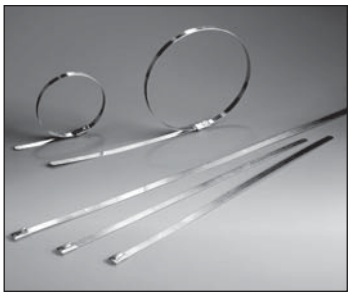

DAS-250
Preset tension tool
Automatic cut-off
Spare Blades Part No. BL 250 S

Stainless Steel Ties with Ball Locking Mechanism

Thomas and Betts introduces a range of self-locking, one-piece stainless steel ties, suitable for indoor or outdoor use.

Wide range of sizes

Six standard lengths up to 41" long will cover most applications with custom lengths available. Two widths are offered with minimum loop tensile strengths of 100 and 250 lb. Space requirements are minimized by the low head profile – 20" maximum.

Fast, Easy Installation

Thomas & Betts stainless steel ties are self-locking, requiring no time consuming crimping or folding operations. The strong locking mechanism, incorporating a steel ball, requires a low insertion force while the strap section has rounded edges and smooth surfaces making the ties ideal for fast, safe, hand installation.

Two Materials

Two grades of stainless steel are available – 302/304 for standard applications and 316 for extra corrosion resistance. 302/304 and 316 stainless steels are non-magnetic and are ideal for high temperature applications ranging –80 °C to 538 °C.

Applications

- High temperature locations
- Marine environment (shipbuilding, salt water environment)
- Harsh environment (oil rigs, wash-down areas, refineries, food processing plants, auto car washers)
- Automotive plants

Ordering Information

Cat. No.	Length		Width		Max. Bundle Dia.		Tensile		Qty./box
	in.	mm.	in.	mm.	in.	mm.	lb.	kg.	pcs.
302/304 Grade Stainless Steel									
LS-4.6-200A	7.9	201.0	0.18	4.6	2	51	100	45.3	100
LS-4.6-360A	14.2	360.0	0.18	4.6	4	102	100	45.3	100
LS-4.6-520A	20.5	520.0	0.18	4.6	6	152	100	45.3	100
LS-4.6-680A	26.7	679.0	0.18	4.6	8	203	100	45.3	100
LS-4.6-840A	33.0	838.0	0.18	4.6	10	254	100	45.3	100
LS-7.9-200A	7.9	201.0	0.31	7.9	3	51	250	113.3	50
LS-7.9-360A	14.2	360.0	0.31	7.9	4	102	250	113.3	50
LS-7.9-520A	20.5	520.0	0.31	7.9	6	152	250	113.3	50
LS-7.9-680A	26.7	679.0	0.31	7.9	8	203	250	113.3	50
LS-7.9-840A	33.0	838.0	0.31	7.9	10	254	250	113.3	50
LS-7.9-1010A	41.3	1050.0	0.31	7.9	12.5	318	250	113.3	50
316 Grade Stainless Steel									
LS-4.6-200B	7.9	201.0	0.18	4.6	2	51	100	45.3	100
LS-4.6-360B	14.2	360.0	0.18	4.6	4	102	100	45.3	100
LS-4.6-520B	20.5	520.0	0.18	4.6	6	152	100	45.3	100
LS-4.6-680B	26.7	679.0	0.18	4.6	8	203	100	45.3	100
LS-4.6-840B	33.0	838.0	0.18	4.6	10	254	100	45.3	100
LS-7.9-200B	7.9	201.0	0.31	7.9	3	51	250	113.3	50
LS-7.9-360B	14.2	360.0	0.31	7.9	4	102	250	113.3	50
LS-7.9-520B	20.5	520.0	0.31	7.9	6	152	250	113.3	50
LS-7.9-680B	26.7	679.0	0.31	7.9	8	203	250	113.3	50
LS-7.9-840B	33.0	838.0	0.31	7.9	10	254	250	113.3	50
LS-7.9-1010B	41.3	1050.0	0.31	7.9	12.5	318	250	113.3	50