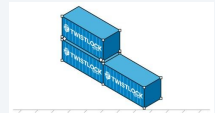


Semi-Automatic Twistlock

TLA-STK-SATL-01/02

Section 1 — **Container Stacking & Assembly**


CATEGORY 1
Stacking & Assembly

1 PRODUCT OVERVIEW

The semi-automatic twistlock locks stacked ISO containers together without anyone having to lock them at height. A twistlock is fitted into each bottom corner casting of the container before it is lifted; when the container is landed, the lower cone engages the corner casting below automatically. To release, the release wire is pulled by hand or with an unlocking pole and the container is lifted clear. Twistlock Africa supplies two patterns: SATL-01 with a single release wire and SATL-02, a double-toggle unit with two release wires. Both fit ISO 1161 corner castings.

2 KEY FEATURES

- Locks automatically when the upper container is landed — no manual locking at height
- Released by pulling the release wire, by hand or with an unlocking pole
- Upper and lower cones engage both ISO 1161 corner castings
- Forged steel, hot-dip galvanised for marine and outdoor corrosion resistance
- Type certified by a classification society; certificate on request

3 PAIRS WITH

	Stacking cone — dummy single TLA-STK-CONE-L1D View online >	Fits the corners not fitted with twistlocks where the stack does not need all four corners locked.
	Bridge clamp TLA-STK-BRC-280 / -380 View online >	Locks adjacent containers together horizontally; with twistlocks the stack is locked both vertically and horizontally.
	Vertical spacer TLA-STK-VSP-400 ... -1000 View online >	Creates a service gap between stacked containers where a direct twistlock connection is not wanted.
	Deck socket — raised TLA-ANC-DSKR-110S / -110D View online >	Weldable ISO sockets that take the lower cone, for fixing the bottom container to a deck or structure.
	Deck socket — flush TLA-ANC-DSKF-S / -DL / -DT / -Q View online >	Weldable ISO sockets set flush with the deck that take the lower cone, where the deck must stay level.



Single wire
SKU TLA-STK-SATL-01



Double toggle (dual wire)
SKU TLA-STK-SATL-02

4 APPLICATIONS

- Container stacking on ships — faster loading and discharge
- Shore stacks, container buildings, billboards and multi-storey installations

5 LATEST REVISIONS & DOWNLOADS

CHECK FOR THE LATEST REVISION



This datasheet REV 2 · 2026-10-20

2D drawings [TLA-DRW-STK-SATL-01](#)
(single wire)
[TLA-DRW-STK-SATL-02](#)
(double toggle)

3D model (STEP) [Available on request](#)

Scan the QR or visit twistlockafrica.co.za/go/ta-stk-satl-01 for the latest issue of this datasheet, drawing and model.

6 LOAD & PERFORMANCE DATA

Parameter	Tension	Shear	Compression
Safe Working Load (SWL)	250 kN	210 kN	1000 kN
Minimum Breaking Load (MBL)	500 kN	420 kN	2000 kN

Ratings apply to both patterns (SATL-01 and SATL-02).

7 DIMENSIONS

Dimension	Value
SATL-01 — width · plan	116 mm · 157 × 120 mm (excluding release wire); overall height approx. 180 mm
SATL-02 — width · plan	120 mm · 165 × 100 mm (excluding release wires); overall height approx. 200 mm
Overall height	Varies between the variants available — figures above are approximate
All other dimensions	See drawings TLA-DRW-STK-SATL-01 (single wire) and TLA-DRW-STK-SATL-02 (double toggle), issued separately

8 SPECIFICATIONS

Material	Forged steel
Finish	Hot-dip galvanised · supplied complete with release wire(s) fitted
Unit mass	SATL-01: 4.90 kg · SATL-02: 5.1 kg
Applicable standard	ISO 1161 (corner casting interface)
Class approval	Type certified — certificate available on request
Compatibility	All ISO containers with ISO 1161 corner castings (6 m / 12 m, GP and high-cube)
Country of origin	Imported
Variants	SATL-01 single release wire · SATL-02 double toggle, two release wires

9 INSTALLATION NOTES

Fit one twistlock into each bottom corner casting of the container before lifting, then land it on the container below: the lower cones engage automatically. Check all four corners have locked before releasing the crane. To unload, pull the release wires and lift clear. Use sets of four of the same pattern.

10 SAFETY NOTICES

⚠ SAFETY

Check every unit has locked before releasing the crane or leaving a stack. Never exceed the stated SWL. Inspect twistlocks, release wires and mating castings before each use. Twistlocks are securing devices, not lifting points.

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