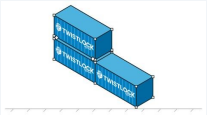
Fully Automatic Twistlock

TLA-STK-FATL-01 Section 1 — **Container Stacking & Assembly**



CATEGORY 1
Stacking & Assembly

1 PRODUCT OVERVIEW

The fully automatic twistlock locks stacked ISO containers together and releases them again without anyone locking or unlocking it by hand. 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. On discharge the container is lifted off as normal and the lower cones release automatically, so no one has to work at the stack. There is no release wire or handle. It fits ISO 1161 corner castings.

2 KEY FEATURES

- Locks automatically on landing and releases automatically on lift
- No release wire or handle — no manual locking or unlocking at the stack
- Yellow cones marked UP for correct fitting
- Cast steel, hot-dip galvanised for marine and outdoor corrosion resistance

3 PAIRS WITH

	**Deck socket — raised** TLA-ANC-DSKR-110S / -110D View online ›	Weldable ISO sockets that take the lower cone, 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.



Image is typical — variants are available; the unit supplied may differ in detail.

4 APPLICATIONS

- On-deck stowage on container ships — tier-to-tier locking that sets and releases itself
- High-throughput port and terminal handling, with no manual locking or unlocking at the stack

5 LATEST REVISIONS & DOWNLOADS

CHECK FOR THE LATEST REVISION

This datasheet	REV 2 · 2026-10-20
2D drawings	TLA-DRW-STK-FATL-01
3D model (STEP)	Available on request

Scan the QR or visit twistlockafrica.co.za/go/tla-stk-fatl-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

7 DIMENSIONS

Dimension	Value
Plan (width · depth)	150 mm · 120 mm
Lower cone · flange	100 mm · 15 mm; overall height approx. 170 mm
All other dimensions	See drawing TLA-DRW-STK-FATL-01, issued separately

8 SPECIFICATIONS

Material	Cast steel
Finish	Hot-dip galvanised · cones painted yellow and marked UP
Unit mass	5.77 kg
Applicable standard	ISO 1161 (corner casting interface)
Compatibility	All ISO containers with ISO 1161 corner castings (6 m / 12 m, GP and high-cube)
Country of origin	Imported
What's included	Supplied as a single complete unit — no release wire, handle or loose parts

9 INSTALLATION NOTES

Fit one twistlock into each bottom corner casting of the container before lifting, with the yellow cones (marked UP) uppermost. Land the container on the one below: the lower cones engage automatically. Check all four corners are seated before releasing the crane. Use sets of four of the same pattern; do not mix patterns under one container.

10 SAFETY NOTICES

⚠ **SAFETY**

There is no manual lock to check: confirm every unit is fitted the right way up and seated before releasing the crane. Never exceed the stated SWL. Inspect twistlocks and mating castings before each use — wear in the locking geometry is not always visible. Twistlocks are securing devices, not lifting points.

ORDERS & ENQUIRIES · info@twistlockafrica.co.za · Tel +27 11 609 7873 · WhatsApp +27 60 697 2546 · www.twistlockafrica.co.za · Prices quoted on request (ZAR, ex VAT)

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