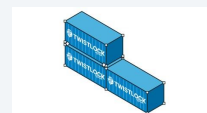


Fully Automatic Twistlock

TLA-STK-FATL-01

Section 1 — Container Stacking & Assembly



CATEGORY 1
Stacking & Assembly

1 PRODUCT OVERVIEW

The fully automatic twistlock (FAT) locks automatically when a container is stacked and releases automatically on lifting — no manual intervention in routine operations. Forged ZG270-500 body with stainless steel internals for service life in high-throughput terminals. TLA supplies the GLS BD-SL pattern or equivalent.

2 KEY FEATURES

- Fully automatic engagement and release — zero manual intervention
- ZG270-500 forged body, stainless steel internal components
- Suited to automated and high-throughput terminal operations
- Hot-dip galvanised



3 APPLICATIONS

- High-throughput container terminal operations
- Automated stacking systems

4 LATEST REVISIONS & DOWNLOADS

CHECK FOR THE LATEST REVISION

This datasheet DRAFT A · 2026-08-29



2D TLA drawing in preparation —
drawings check online

3D model In production — check
(STEP) availability online

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

5 LOAD & PERFORMANCE DATA

Parameter	Tension	Shear	Compression	Source
Safe Working Load (SWL)	250 kN	210 kN	—	TLA
Minimum Breaking Load (MBL)	500 kN	420 kN	—	TLA

6 DIMENSIONS

Dimension	Value	Source
Dimensions	On application — GLS BD-SL pattern data being obtained	TLA

7 SPECIFICATIONS

Material	ZG270-500 forged cast steel; stainless internals	TLA
Finish	Hot-dip galvanised	TLA
Unit weight	On application — GLS BD-SL data being obtained	TLA
Applicable standards	ISO 1161 · ISO 3874	TLA
Compatibility	All ISO containers with ISO 1161 corner castings	TLA
Country of origin	Imported — GLS (China) or equivalent	GLS
What's included	Supplied as a single complete unit	

8 INSTALLATION NOTES

Insert into the top corner casting per the orientation mark; the FAT head geometry performs locking and release automatically during normal crane cycles.

9 SAFETY NOTICES

⚠ SAFETY

Automatic twistlocks must be inspected on a defined maintenance cycle — internal mechanism wear is not visible externally. Never exceed the stated SWL.

10 DATA PROVENANCE

WHERE THESE FIGURES COME FROM

SWL/MBL and materials are TLA-confirmed. The GLS fully-automatic pattern is BD-SL (GLS catalogue, June 2024); its dimension/weight sheet is on order from GLS — outstanding items are limited to dimensions and unit weight.

TLA TLA product database (confirmed)
 GLS / ACE published data for brands TLA supplies
 REF equivalent-pattern OEM data — reference, confirm at order

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