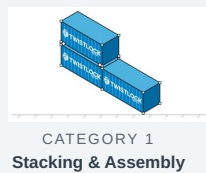


Bridge Clamp

INSTALLATION, OPERATION & MAINTENANCE (IOM)

TLA-STK-BRC-280/380

Section 1 — Container Stacking & Assembly



1 ABOUT THIS IOM

This manual covers the installation, operation, inspection and maintenance of the Twistlock Africa bridge clamp in both lengths: **TLA-STK-BRC-280** (280 mm) and **TLA-STK-BRC-380** (380 mm). It is written for the people who fit, check and remove the clamps — riggers, site supervisors and container handlers — and for the person responsible for the equipment register.

Read it together with the datasheet and the drawing. Keep a copy where the clamps are used.

Document	Number
Datasheet	DS-TLA-STK-BRC-01
Drawing	TLA-DRW-STK-BRC-01
This IOM	IOM-TLA-STK-BRC-01 · REV 1 · 2026-10-20



TLA-STK-BRC-280 and TLA-STK-BRC-380



LATEST REVISION

Scan the QR or visit
twistlockafrica.co.za/go/tla-stk-brc-01
before use.

2 SAFETY

WARNING **Horizontal use only.** Never fit the clamp vertically between stacked containers — the hooks do not grip and the clamp can release. Use twistlocks to join containers vertically.

WARNING **Not a lifting point.** Never lift, sling or hoist from a bridge clamp, and never lift or move containers while they are clamped together. Remove the clamps first and move containers one at a time.

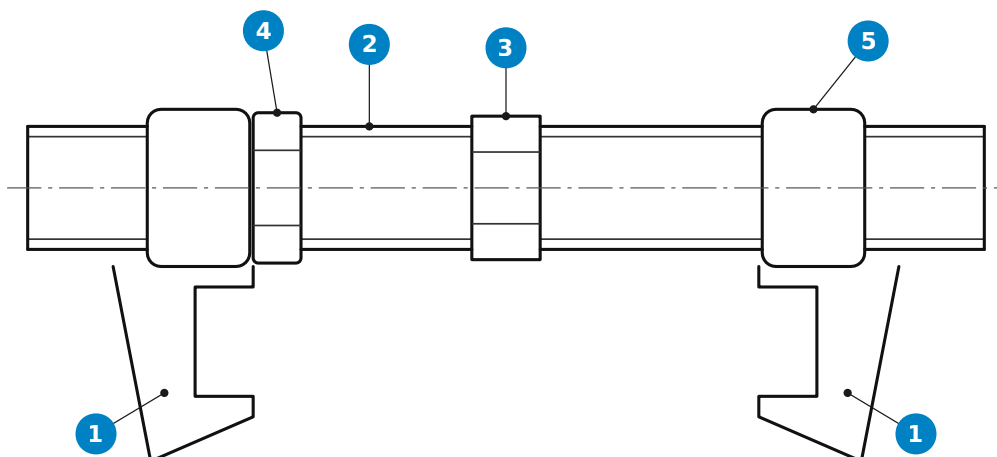
WARNING **Rated in tension only — SWL 50 kN per clamp.** Do not exceed it. Minimum breaking load 100 kN.

CAUTION **Work at height.** Clamps are fitted on the container roofs. Follow the site's work-at-height rules and risk assessment, and keep tools and loose parts from falling.

CAUTION **Damaged clamps.** Do not use a clamp that is cracked, bent, has damaged threads or a missing lock nut. Do not weld, heat, grind or modify the clamp. Replace — do not repair.

NOTE Only competent persons, trained in container securing, should fit, inspect and remove clamps.

3 PRODUCT DESCRIPTION



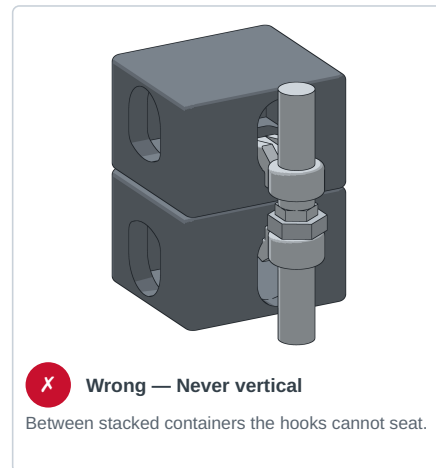
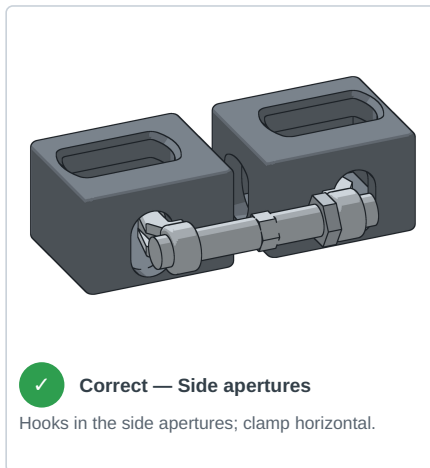
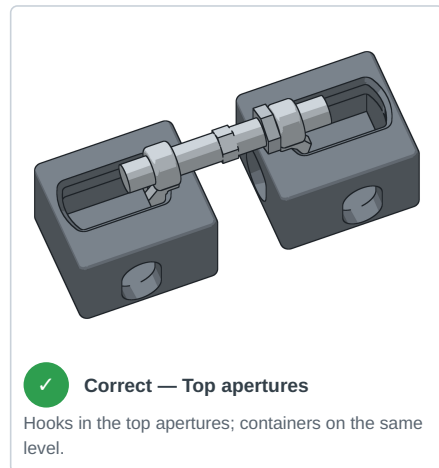
Bridge clamp, front view (280 shown). Shapes are simplified — see drawing TLA-DRW-STK-BRC-01.

No.	Part	Function
1	Hook (2)	Engages the aperture of each corner casting
2	Threaded rod, Ø36	Carries both hooks; draws them together
3	Central hex	Turned with a spanner to open or tighten the clamp
4	Lock nut	Locks the setting so the clamp cannot work loose
5	Hook boss	Threaded body of each hook

Data	280	380
SKU	TLA-STK-BRC-280	TLA-STK-BRC-380
Length	280 mm	380 mm
Gap between containers	25–100 mm	25–225 mm
Unit mass	3.3 kg	3.6 kg
SWL / MBL (tension)	50 kN / 100 kN	
Material · finish	Forged steel · hot-dip galvanised	
Interface	ISO 1161 top corner castings — top or side apertures	

4 CORRECT AND INCORRECT USE

The clamp always lies **horizontally** between two containers on the **same level**, with both hooks in the same type of aperture — both in the top apertures, or both in the side apertures. Each hook seats under the aperture wall nearest the gap; tightening draws the containers together.



5 INSTALLATION

Before you start

- Select the length: **280** for gaps of 25–100 mm, **380** for gaps of 25–225 mm between containers.
- Check the corner castings: apertures clean, undamaged and free of debris, ice or heavy rust scale.
- Check the containers are level with each other and their twistlocks or foundations are secured.
- Inspect each clamp (section 7, pre-use check). Reject any that fail.

Tools and PPE

- Spanner to suit the central hex and lock nut
- Gloves, safety boots, hard hat and the site's fall protection

Quantity

- One clamp at each pair of adjacent top corners.

- 1 Open the clamp.** Turn the central hex until the hooks are far enough apart to clear the gap.
- 2 Place the clamp** horizontally across the two adjacent corner castings, with both hooks in the top apertures, or both in the side apertures.
- 3 Seat the hooks.** Make sure each hook sits fully inside its aperture and bears against the aperture wall.
- 4 Tighten.** Turn the central hex to draw the hooks together until the clamp is firmly tight.
- 5 Lock.** Run the lock nut up against the hook and tighten it so the clamp cannot work loose.
- 6 Check.** Confirm both hooks are seated, the rod is straight and horizontal, and the lock nut is tight. Repeat at each pair of adjacent top corners.

6 OPERATION

In service

- Check clamps regularly for tightness and seating, and always after storms, strong wind, impacts or any movement of the containers.
- Re-tighten and re-lock any clamp that has loosened. Replace any clamp that shows damage.
- Keep the clamp in line with the containers; never use it to pull containers into position.

Removal

- 1 Slacken** the lock nut.
- 2 Open** the clamp by turning the central hex.
- 3 Lift out** the clamp and keep it off the container roof edge.
- 4 Inspect and store** (section 7).

Always remove the clamps **before** a container is lifted or moved.

7 INSPECTION AND MAINTENANCE

Pre-use check — every time, by the person fitting the clamp

Check	OK
Hooks: no cracks, bending, opening up or heavy wear at the bearing face	☐
Rod: straight; thread clean and undamaged; hooks run freely along it	☐
Central hex and lock nut: present, not rounded, lock nut runs freely	☐
Corrosion: no pitting or loss of section (light surface rust on galvanising is acceptable)	☐
Correct length for the gap (280: 25–100 mm · 380: 25–225 mm)	☐

If your site or vessel keeps an equipment register, record the clamps in it and inspect them as that register requires.

Remove from service if any of these is found

- Any crack, in any part
- Bent or twisted rod or hook
- Hook opened up, or visibly worn at the bearing face
- Damaged, stripped or seized thread
- Missing or damaged lock nut
- Pitting or loss of section from corrosion
- Signs of heat, welding or modification
- Any known overload above the SWL

Maintenance

- Brush the thread clean and apply a light coat of general-purpose grease.
- Store dry, under cover, off the ground; keep the lock nut on the rod.
- Keep clamps in sets per length; do not mix 280 and 380 at one connection.
- Do not paint the thread. Do not weld, heat, grind or straighten — replace damaged clamps.
- Rejected clamps: mark them clearly and remove them from site so they cannot be reused.

8 DISPOSAL

Rejected clamps are steel scrap. Make them unusable (or clearly mark them) and recycle through a scrap-metal merchant. Galvanised steel is recyclable; no special disposal is needed.

REVISION HISTORY

Revision	Date	Description	By
REV 0	2026-10-05	Issued for use	RS
REV 1	2026-10-20	WhatsApp number updated; rated-load wording	RS

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