



# Quick Release Coupling The Original QRC



**CA14**  
**Quick Release**  
**Coupling**  
**14,000lb (Ultimate)**

Designed for securing aircraft on deck, the Original Quick Release Coupling from Cargo Aids™ is a rugged tensioner for use in any heavy-duty cargo situation. The QRC is suitable for all rugged cargo applications in both the Marine and Aviation environment offering load capacities of 5,000lb and 10,000lb in either standard or in 'anti-vibration' configurations (Pt. No. 100CA27). The quick release coupling is used in conjunction with CSK843 chains (Chain size 7.1 (9/32")) to secure and restrain aircraft and pallets being transported by ship, road, rail and air. Only the correct size chain should be used with the QRC.

- At one end is a double-jaw claw-type connector, operated by a quarter turn of a knurled hand grip, this attaches to a securing ring or other suitable strong-point.
- The other end of the coupling is a chain pocket, into which the nearest link of a length of chain lashing is located after all the slack has been taken up.
- The restraint is secured ready for final tensioning by means of a half-turn of the lock. Turning the built-in hand-wheel on the body of the coupling produces the required tension in the restraint.
- Quick release is effected by a quarter turn of the hand-grip. The design allows the user to release tension in the coupling whilst fully restrained allowing the load to be quickly freed for movement or deployment.
- As used on the C130 Hercules.

## 14,000 lb Ultimate Capacity

The Original Quick Release Coupling is suitable for all rugged cargo applications in both the Marine and Aviation environment offering load capacities of 5,000lb, 10,000lb and 14,000lb

## No Tools Required

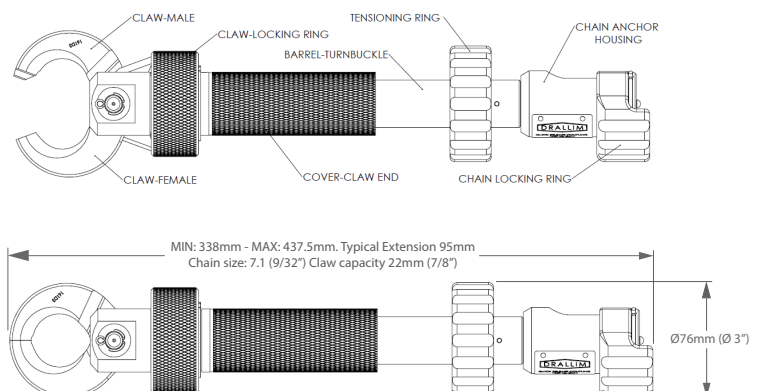
To provide means of attachment to, and tensioning of a chain fixed between an anchoring point and a deck or floor fitting, and quick release of such without the use of tools.

## Specification

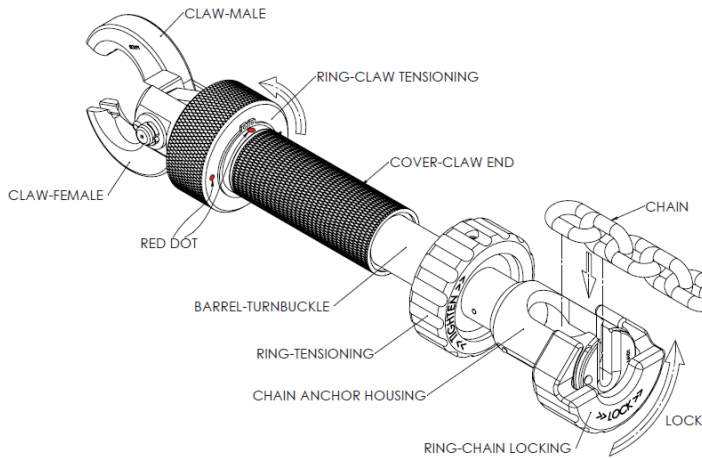
■ Cargo Aids™ designation:	Quick Release Coupling
■ Part Number:	CA14
■ Design Load   LC:	8,000lb (3,630 kg)
■ Proof load:	10,000lb (4,536 kg)
■ Ultimate Load   BF min:	14,000lb (6,350 kg)
■ Weight without chain:	4.61lb (2.1 Kg)
■ Nato Stock Number (NSN):	3940-99-766-0785
■ Admiralty Pattern No:	0263/263061

## Alternative units and ratings

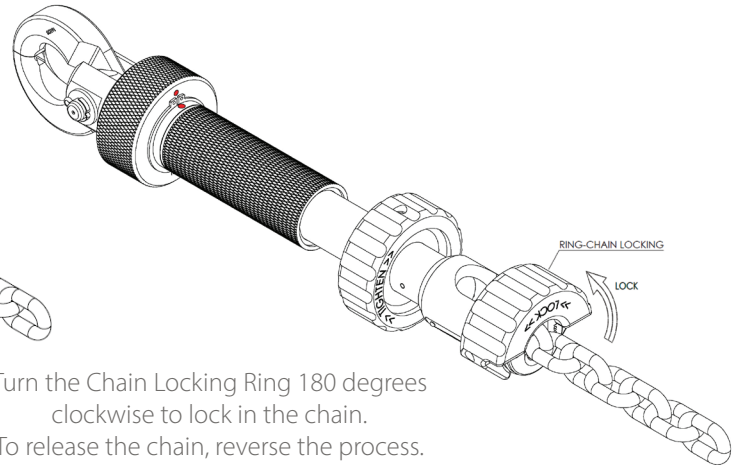
Part number	Description	Design Load   LC	NATO Stock Number/Patents
100CA27	Quick release coupling with Anti-Vibration lock	8,000 lb (3,630 kg)	UK Patent No. 2307531
C10	Quick release coupling (QRC)	10,000 lb (4,536 kg)	NSN: 1670-99-130-2398
C5	Quick release coupling (QRC)	5,000 lb (2,268 kg)	NSN: 1670-99-1028971



## Chain Locking | Unlocking

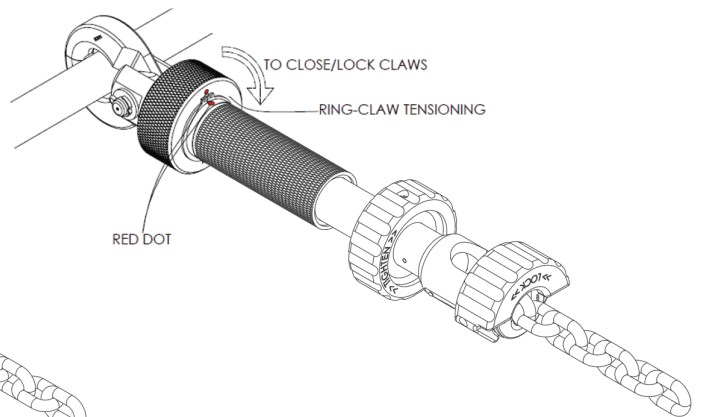
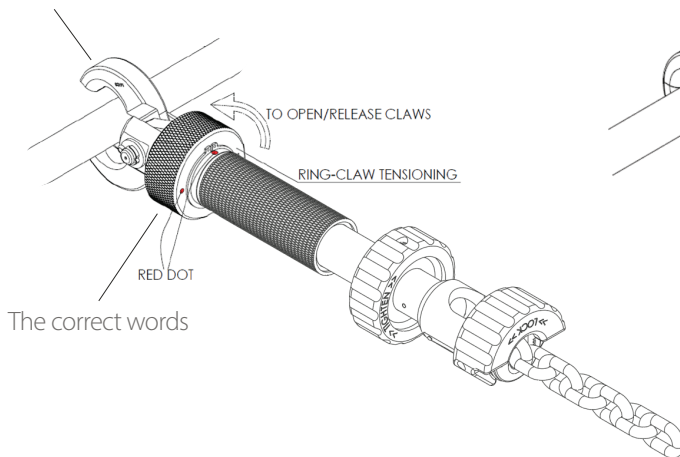


Turn the Chain Locking Ring 180 degrees clockwise to lock in the chain.  
To release the chain, reverse the process.

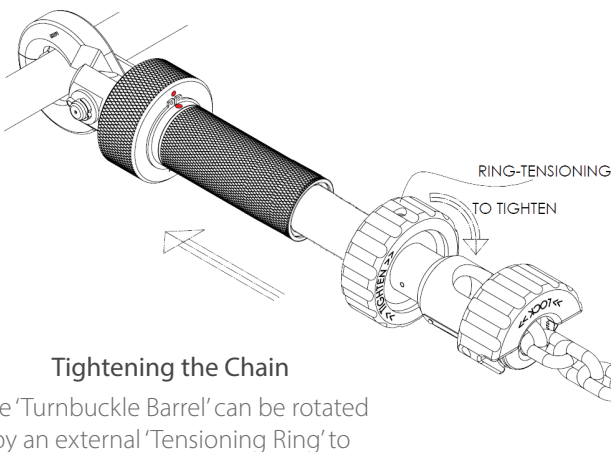


## Claw Locking | Unlocking

Quick release is affected by a quarter turn of the Claw Locking Ring.

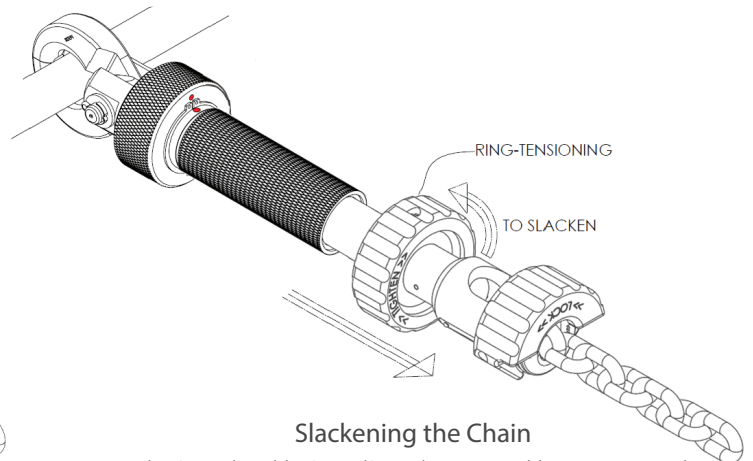


## Chain Tensioning



### Tightening the Chain

The 'Turnbuckle Barrel' can be rotated by an external 'Tensioning Ring' to retract the overall length of QRC.



### Slackening the Chain

The 'Turnbuckle Barrel' can be rotated by an external 'Tensioning Ring' to extend the overall length of QRC.