

100CA27
Quick Release
Coupling Anti-Vibe
14,000lb (Ultimate)

Designed for securing aircraft on deck, the Original Quick Release Coupling from Cargo Aids™ is a rugged chain tensioner for use in any heavy-duty cargo situation. The Quick Release Coupling is suitable for all rugged cargo applications in both the Marine and Aviation environment offering load capacities of 5,000lb and 10,000lb in the 'anti-vibration' or in the standard configuration (Pt. No. CA14/161CA25).

- 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.
- The adjustment includes a vibration proof anti-backoff lock, applied automatically, disengaged by twisting the release sleeve.
- Used in conjunction with CSK834 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 the the QRC.

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

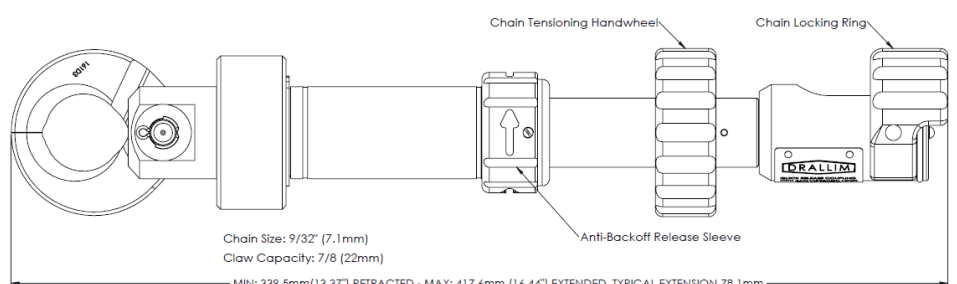
To provide means of attachment to, and tensioning of a chain fixed between an anchoring point and a deck or floor fitting, and quick release of such without the use of tools.

Specification

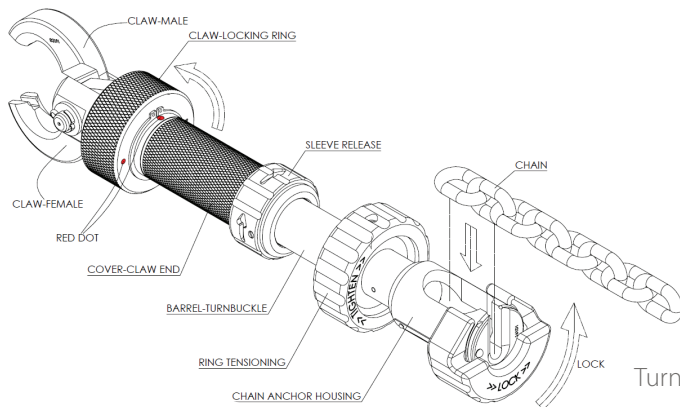
■ Cargo Aids™ designation:	Quick Release Coupling
■ Part Number:	100CA27
■ Design Load LC:	8,000 lb (3,630 kg)
■ Proof Load:	10,000 lb (4,536 kg)
■ Ultimate Load BN min:	14,000 lb (6,350 kg)
■ Weight without chain:	4.81lb (2.18 Kg)
■ UK Patent No:	2307531

Alternative units and ratings

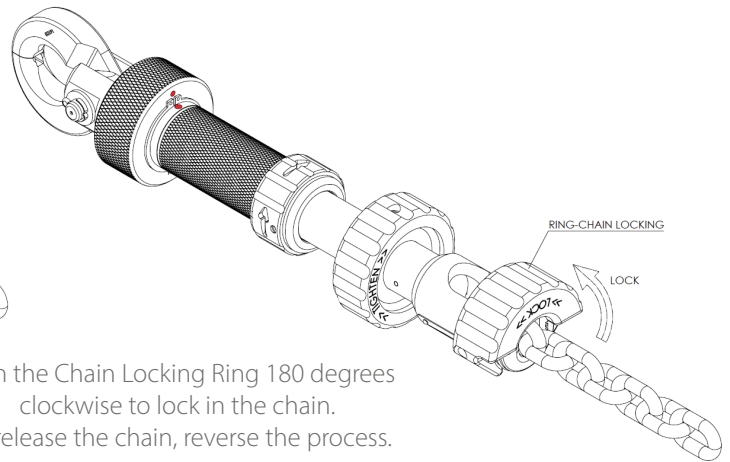
Part number	Description	Design Load LC	NATO Stock Number/Patents
CA14	Quick release Coupling (QRC)	8,000 lb (3,630 kg)	NSN: 3940-99-7660785
C10	Quick release Coupling (QRC)	10,000 lb (4,536 kg)	NSN: 1670-99-1302398
C5	Quick release Coupling (QRC)	5,000 lb (2,268 kg)	NSN: 1670-99-1028971



Chain Locking

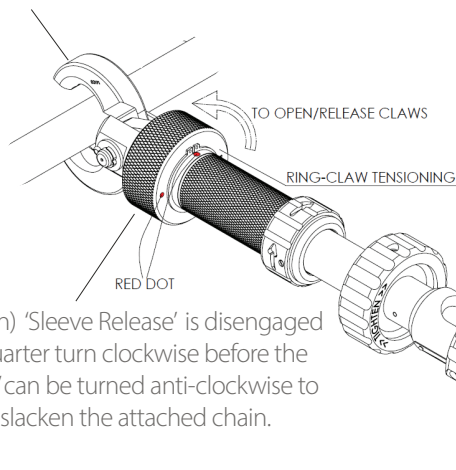


Turn the Chain Locking Ring 180 degrees clockwise to lock in the chain.
To release the chain, reverse the process.

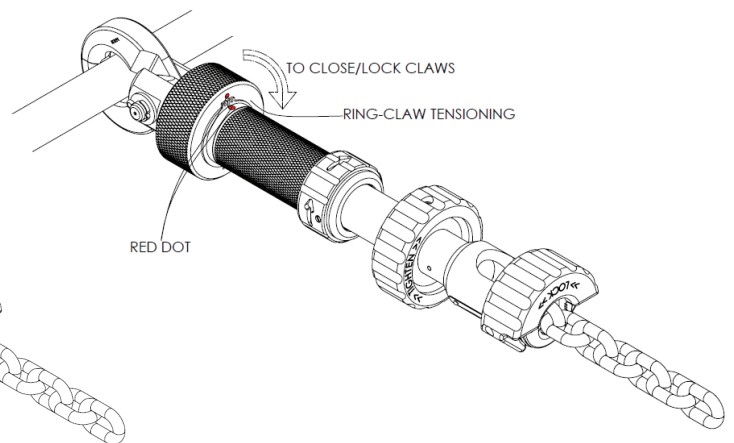


Claw Locking

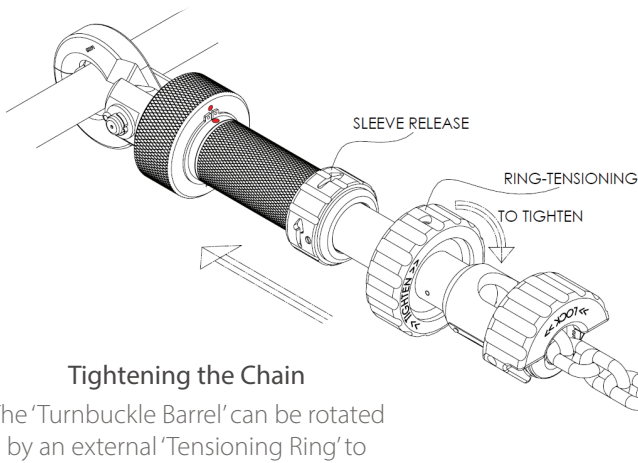
Quick release is affected by a quarter turn of the Claw Locking Ring.



The (anti-vibration) 'Sleeve Release' is disengaged by twisting a quarter turn clockwise before the 'Tensioning Ring' can be turned anti-clockwise to extend and slacken the attached chain.

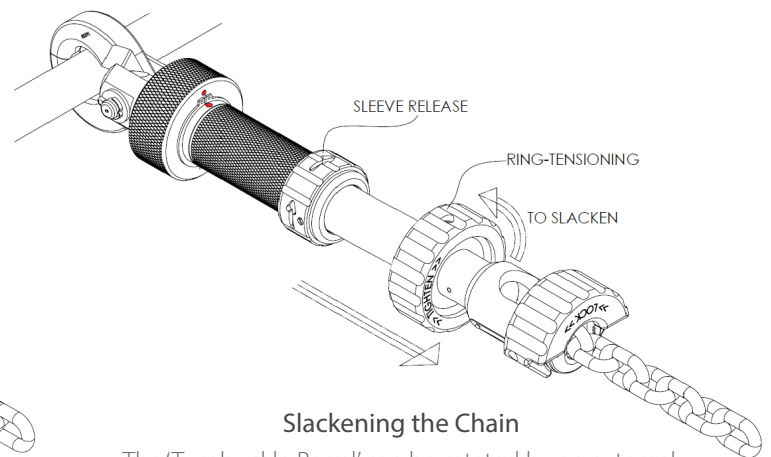


Chain Tensioning



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.