CMC
SQUID RIG PLATE

Compact | Versatile | Easy to Use

Product Overview

SQUID is an innovative solution for twin tension rope systems (TTRS) and load-sharing applications. Its multi -planar design features a large at tachment point for redundant anchoring and two perpendicular points for optimal alignment. SQUID efficiently brings two hardware devices side-by-side for dual operation and better shared tension. SQUID also sets ideal spacing between devices, allowing a single operator to maintain simultaneous twin tension control using dual -handle technique (aka “shark finning” or “DOUBLE CLUTCHING”). SQUID promotes safe and efficient rigging of dual capacity TTRS and provides smooth raising and lowering in mirrored and nested systems.

SQUID streamlines the rigging of redundant load-sharing systems. The SQUID’s attachment points are compatible with a wide range of connect ion methods and they position rope hardware for easy loading and unloading while connected. SQUID naturally orients toward the load and lets components move freely, reducing the risk of binding and shift ing in the event of anchor or line failure. Strong and compact, SQUID is a versatile tool for TTRS, lit ter bridals, cross hauls, and more. SQUID is CE marked, classified to NFPA General Use for specific configurations including TTRS, and classified to NFPA Technical Use when the secondary points are pulled directly apart from each other.

Note: textile breaking strength may be reduced when directly connected to the SQUID. See test data using the link at the bottom of this page.

Key Features

- Multi-planar rigging plate with perpendicular attachment points
- Optimizes device al ignment for twin tension rope systems (TTRS)
- Enables single operator control for better shared tension
- Promotes smooth loading/unloading of connected hardware
- Allows components to move freely and orient toward the load
- Reduces shifting/extension in the event of line or anchor failure
- Aligns secondary points for high strength and easy load sharing
- Supports a variety of connection methods for versatile rigging
- Provides large collection points for building redundant systems
- Primary attachment point fits two (G) or three (T) carabiners*
- Secondary attachment points fit one (G) or two (T) carabiners
- Simple and solid aircraft grade aluminum with no moving parts
- Strong, compact, and lightweight for multiple applications

*More carabiners may fit in the SQUID at tachment points depending on the type of carabiners, applied loads, and rigging practices involved. Care should be taken to avoid binding, wedging, or other geometric restraints.

Certifications

- NFPA
  - GENERAL USE (G) MBS 45 KN (10,116 LBF) – SPECIFIC CONFIGURATIONS*
  - TECHNICAL USE (T) MBS 27.7 KN (6,227 LBF)
- CE
  - PPE-R/RFU 11.114

*Refer to the fol lowing diagrams for MBS. See User Manual for detai ls.

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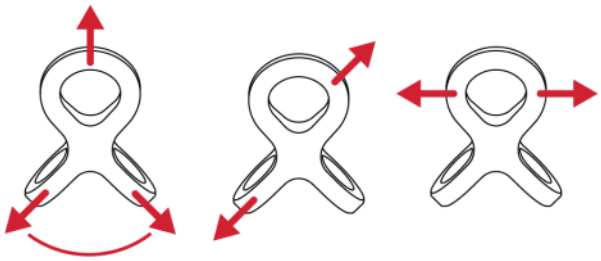

NFPA General Use Configuration
MBS 45 kN (10,116 LBF)

NFPA Technicial Use Configuration
MBS 27.7 kN (6,227 lbf)

Specifications	
Weight	513 G (1.13 LB)
Material	3 LB ALUMINUM
Colour	3 LB BLACK
Dimensions	3 LB 10.4 X 8.4 X 5.1 CM (4.1 X 3.3 X 2.0 IN)
Minimum hole diameter	PRIMARY 3.6 CM (1.42 IN) ; SECONDARY 2.7 CM (1.07 IN)
Certifications	NFPA (G) - SPECIFIC CONFIGURATIONS; NFPA (T) ; CE
3 Sigma MBS	45 KN (10,116 LBF) - SPECIFIC CONFIGURATIONS; 27.7 KN (6,227 LBF)

More About TTRS

SQUID is purpose-built to optimize device alignment in twin tension rope systems (TTRS). It simplifies the technique of bringing two devices together in a mirrored, dual handle orientation and allows a single operator to provide simul taneous twin tension control. By maintaining shared tension across two rope systems, there is reduced risk of single line failure. If such a failure does occur, TTRS has the advantage of limiting shock and extension by transferring the load to an already stretched and loaded rope. While TTRS can be deployed in a variety of ways, using the SQUID to bring two CLUTCHES together in DOUBLE CLUTCH Technique creates a lowering/hauling system that meets best practices, minimizes failure risk, and offers the potential to reduce personnel requirements.

More About Rig Plates

Rig plates are a key piece of equipment for building anchors, managing rope systems, and organizing connections. Using a rig plate assists with cleaner operations by spacing out components and making each part easier to assess. The SQUID's multi-planar secondary at tachment points have the added benefit of aligning multiple devices and separate lines in distinct order, keeping them orderly and easy to control. The SQUID also serves as the collection point for a variety of at tachment methods and al lows building connect ions to multiple secure anchor points. Larger rig plates and anchor plates may have increased potential for rotation and system extension if any movement or failure of an anchor occurs. The SQUID is strong and compact with inherent load sharing capabilities. It naturally orients toward the load, letting components move freely and reducing the risk of binding and load shifting in the event of dynamic or directional impacts to the system.

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More About Doubling Up

We've received a number of questions about doubling up rig plates to meet IRATA standards. We realize this is a topic of much debate. Due to its 3D shape, SQUID is not intended to be doubled up or used back to back with another SQUID (as cool as a squad of squids might be) . In our assessment , SQUID's high strength ratings and robust design make it a suitable 3D anchor for attaching multiple connectors in a life safety system without doubling it up. If additional redundancy is required to meet applicable standards or norms, a possible method is to use a soft connection to back-up the at tachment points, such as a sewn sling. Additional information about redundancy and rig plate use can be found in this well-researched article from RopeLab.