BTS HEIGHT SAFETY

BTS-SCAP and HLS

Shipping Container Anchor Post & Horizontal Lifeline System

BEAVER TECHNOLOGY SERVICES PTY LIMITED

Shipping Container Anchor Post & Horizontal Lifeline System

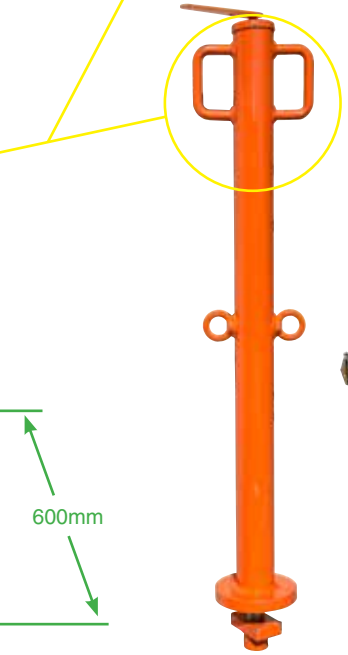
The BTS Shipping Container Anchor Post (SCAP) is designed to provide a limited free fall arrest system for working on top of a 20ft or 40ft shipping container. SCAP can either be used on its own as a limited free fall arrest anchor or in conjunction with a Horizontal Lifeline System (HLS) depending on the demand of the work being carried out on the container. The anchor post is designed to utilise the corner castings on the container as the installation point for the system.

The system is only suitable for up to two users (Maximum weight including PPE and tools 136kg each) to be attached at any one time.

The SCAP can be used on its own, only if the work being carried out is not further away than 600mm of the installed anchor post. For a larger working zone, SCAP has to be used in conjunction with HLS.

The BTS Shipping Container Anchor Post (SCAP)

The SCAP are installed by inserting the bottom of the post into the corner casting of the shipping container. Using the lever on top of the post, (turn anti-clockwise to tighten), adjust the locking nut in the container casting such that it sits perpendicular to the opening slot of the cast.



Before using the SCAP, the user needs to be equipped with appropriate PPE and a full body harness compliant to AS/NZS1891.1.

An SRL shall be attached to the SCAP personnel attachment point which gets attached to the harness of the user.

When working close to the edge of the container, the worker shall not be further than 600mm of the installed anchor point. This is the safe working zone to prevent a pendulum effect from occurring in case of a fall.

Shipping Container Anchor Post & Horizontal Lifeline System

Horizontal Lifeline System (HLS)

The Horizontal Lifeline System is installed by setting up two Shipping Container Anchor Posts on either corner of a long side of the container and connecting the wire rope kit (LIFELINEKIT-20 or LIFELINEKIT-40) using a polyester tie off strap and karabiner on one side and ratchet and webbing strap on the other. The wire rope is tensioned using the ratchet.

Prior to using this system, the user needs to be wearing a full body harness (compliant to AS/NZS1891.1) and connected to the Horizontal Lifeline System using an SRL.

Available KITS (for 20ft container and 40ft container):

LIFELINEKIT-20 Parts list:

- 1 x 25mm Polyester Tie Off Strap (PSATAPE60)
- 1 x Triple Action Aluminium Alloy Oval Karabiner (BNA25TO)
- 1 x 8mm Stainless Steel 7x7 Wire Rope Set 4.5m complete with thimble eye and double swage one end, 2 x triple action karabiners with retaining pin, aluminium rope terminals and black plastic end cap.
- 1 x Temporary horizontal lifeline end lock set (TEMPENDS-10)
- 1 x BTECH Carrying Bag

LIFELINEKIT-40 Parts list:

- 1 x 25mm Polyester Tie Off Strap (PSATAPE60)
- 1 x Triple Action Aluminium Alloy Oval Karabiner (BNA25TO)
- 1 x 8mm Stainless Steel 7x7 Wire Rope Set 10m complete with thimble eye and double swage one end, 2 x triple action karabiners with retaining pin, aluminium rope terminals and black plastic end cap.
- 1 x Temporary horizontal lifeline end lock set (TEMPENDS-10)
- 1 x BTECH Carrying Bag

Additional parts recommended but not included in the HLS Kit:

- 2 x CBPOST18KN – 18kN Removable Shipping Container Anchor Post.
- 2 x BTECH full body harness compliant to AS/NZS1891.1.
- 2 x HWDB-2 – Double fall inertia reel aluminium housing c/w 2 x 2m webbing strap.

SAFE WORKING ZONES

SRL- Horizontal Life Line Safe Zone

SRL or 600mm Energy absorber lanyard Safe Zone

NATA World Recognised Accredited TESTING FACILITY

Beaver Technology Services (BTS) commitment to supply quality products and service means that we are able to supply a wide variety of services in our **NATA** accredited laboratory. This commitment starts with our **AS/NZS ISO9001-2000** Quality Assurance right through to our highly trained and competent staff (many of our staff have been factory trained on a number of Materials Handling and Height Safety products).

Our **NATA** scope includes Australian, European and Military Standards. Our experienced staff have been providing technical assistance to the Construction, Mining, Maritime, Military, Engineering and Materials Handling sectors for many years. All of our testing work is carried out in accordance with the relevant standard.

All of our testing equipment is routinely calibrated as per Australian Standards (copies of calibration certificates are available on request) also all of our test beds produce computerised test certificates with graphical results showing force over time.

BTS has also developed a number of specialised testing and inspection regimes in conjunction with a number of customers to meet their specific needs, outside of the usual scope of products. **BTS** also ensures that dedicated equipment is tested in conjunction with the manufacturer's requirements and site specific needs.

Our NATA laboratory is located at our Girraween head office where we can offer the following services:

- Horizontal tensile testing to 270 metric tonne
- Compression testing to 100 metric tonne
- Vertical test machines in 30 & 100 metric tonne
- Portable load cells from 5 to 25 metric tonnes
- Chain block, lever block and hoist testing
- Magnetic crack testing (MCC)
- Product recertification
- Height safety dynamic and static testing to AS/NZS and EN standards
- Drop testing on height safety anchor points on our custom designed testing tower and also on our mobile drop test trailer (to AS/NZS5532-2013)
- Hardness testing (HRC, BHN & HV)
- Charpy impact testing

We also offer:

- On-site testing and inspections
- Hydraulic testing of Height Safety anchor points
- Testing officers / Riggers for your on-site emergencies
- Fast turn around with competitive rates
- Rigging services
- Setting up and maintenance of Testing and Equipment registers
- Issuing of test certificates

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⚠ CAUTION
Read Instruction Manual before using.

NATA WORLD RECOGNISED ACCREDITATION No. 18940

ISO 9001 Quality Management

Specifications and dimensions subject to change without notice.

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