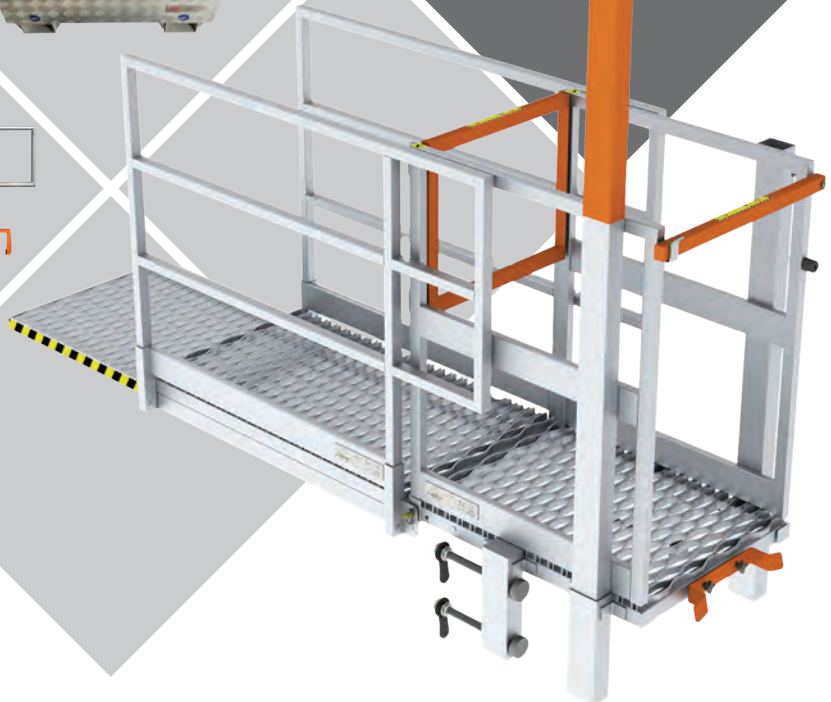




BEAVER
TECHNOLOGY
SERVICES

TRENCHSAFE® Trench
SHORING
Safety Equipment

ENGINEERED HEIGHT SAFETY SOLUTIONS



TRENCH SHORING SAFETY EQUIPMENT

BRENCHSAFE®
BRENCHSAFE®

GROUND EXCAVATION & TRENCH SYSTEM

Aluminium rescue/retrieval davit with man and material rated winches, steel adjustable shoring panel davit mount & aluminium equipment storage box

Code: 50506KIT

Ladder access fall arrest post kit for fall protection when climbing up/down the ladder

Code: BTS6928-LP-EP

Aluminium access/egress telescopic walkway

Code: BTS6928TW

Steel & Aluminium 1.2m (4 ft), 2.0m (6.5 ft), 2.4m (7.8 ft), 3m (9.8 ft), 3.5m (11.4 ft) & 4.0m (13.1 ft).

guardrail assembly with adjustable clamping devices

Code: BTS6000-1.2X5 / 2.0X5 / 2.4X5 / 3.0X5 / 3.5X5 / 4.0X5



Steel mesh barriers
0.5m W x 1.0m H (1'8" x 3'3")
Code: BTS6000-17.5EPS
1.0m W x 1.0m H (3'3" x 3'3")
Code: BTS6000-7-11EPS

Aluminium access/egress shoring platform
Code: BTS6928-LP

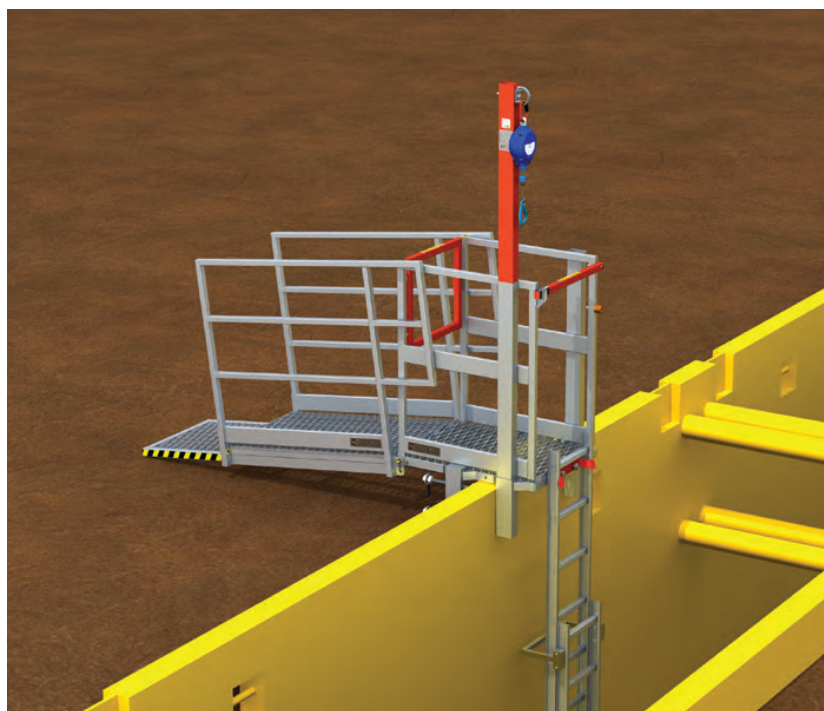
Steel adjustable ACME thread clamping devices for guardrails
Code: BTS6004

TRENCH SHORING SAFETY EQUIPMENT



BTRENCHSAFE® ACCESS/EGRESS SHORING PLATFORM AND TELESCOPIC WALKWAY Code: BTS6928-LP, BTS6928-TW

The BTRENCHSAFE® Access/Egress Shoring Platform and Telescopic Walkway provides multiple users with a safe means of access and egress to and from the ground excavation and allowing users a safe 3-points of contact at all times.



Access/Egress Platform Code: BTS6928-LP

- Manufactured in lightweight ultra strong aluminium grade 6061-T6 in natural finish.
- Non slip grid mesh floor construction with enlarged profile to minimise build-up of dirt and soil.
- Removable guardrails on two sides.
- Self-closing gate.
- Secondary safety bar near excavation side for access and egress.
- To suit panel widths up to 2M (8.0 ft).
- Built-in ladder support bracket for safely securing vertical ladders onto platform.
- Ladder can be mounted on side or face of shoring panel (with bumpers to prevent ladder from pushing inwards into panel when in use and at the same time also allows for a greater area of foot contact when ascending/descending on the ladder).
- Optional Ladder access fall arrest post kit for fall protection when climbing up/down the ladder.

Telescopic Walkway

- Manufactured in lightweight ultra strong aluminium grade 6061-T6 in natural finish.
- Non slip grid mesh floor construction with enlarged profile to minimise build-up of dirt and soil.
- Removable guardrails on two sides
- Code: BTS6928-TW 1.2 to 2.0m (4.0 to 6.7 ft)

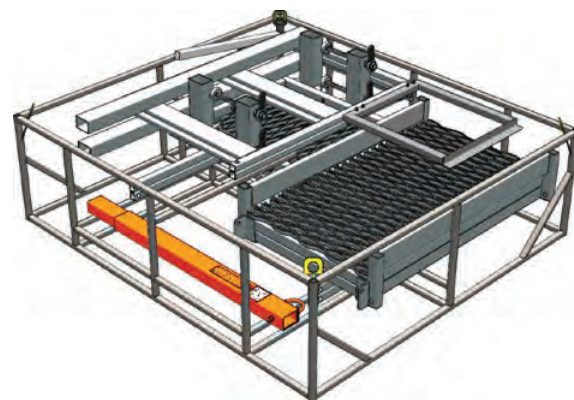
Access/Egress Platform Code: BTS6928-LP-DPW

Same features as BTS6928-LP with following inclusions:

- Platform guardrail wings
- Ladder access fall arrest post kit for fall protection when climbing up/down the ladder.
- Includes stillage for easy storage & transport.



BTS6928-LP-TW-EP
Both Items



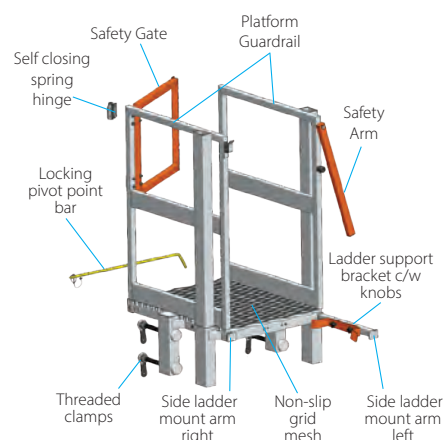
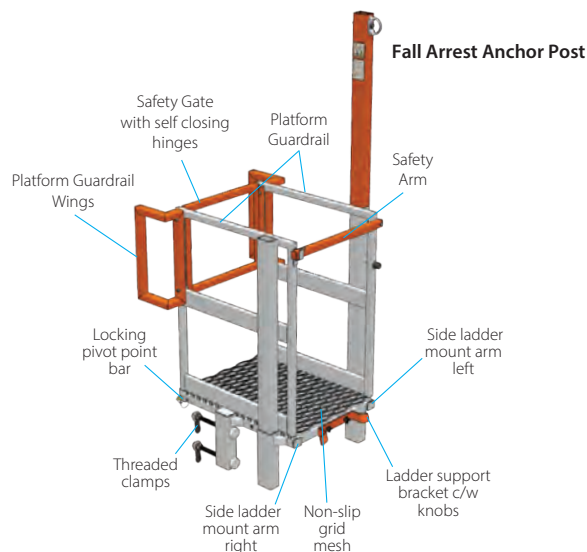
BTS6928-LP-TW-EP-ST

Comes with Flat Pack
stillage for storage &
transport

TRENCH SHORING SAFETY EQUIPMENT



BTRENCHSAFE® ACCESS/EGRESS SHORING PLATFORM AND TELESCOPIC WALKWAY Code: BTS6928-LP, BTS6928-TW



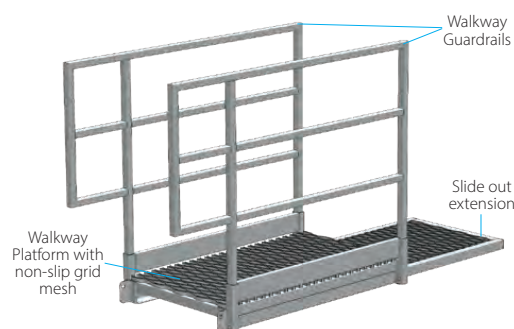
BTS6928-LP



BTS6928-LP-DPW

Stillage contains:

- Platform
- Guardrail wings
- Anchor post
- Storage box for SRL



BTS6928-TW

Compatible Telescopic Walkway

- Manufactured in lightweight ultra strong aluminium grade 6061-T6 in natural finish.
- Non slip grid mesh floor construction with enlarged profile to minimise build-up of dirt and soil.
- Removable guardrails on two sides.
- Lifting frame.
- Disassembles to flat packs for easy storage & transport.
- Available in 3 adjustable lengths of
 - Code: BTS6928-TW13A 3.0 to 4.0m (10 to 13 ft)
 - Code: BTS6928-TW17A 4.3 to 5.2m (14 to 17 ft)
 - Code: BTS6928-TW20A 5.2 to 6.0m (17 to 20 ft)
- Can be adjusted to a max of 15° for access/egress of platform.



BTS6928-TW20A
Disassembles to flat packs
for easy storage & transport

TRENCH SHORING SAFETY EQUIPMENT

BTRENCHSAFE®

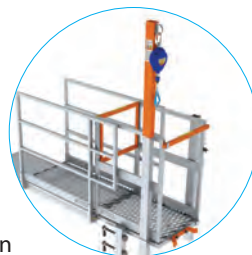
BTRENCHSAFE® FALL ARREST POST KIT

Code: BTS6928-LP-EP

The BTRENCHSAFE® Fall Arrest Post Kit consists of an engineered and rated fall arrest post that is designed to slot into either side of the BTRENCHSAFE® Access/Egress Shoring Platform (BTS6928-LP)

Fall arrest post, 9m(29'6") inertia reel (x1), safety harness and safety bunting dropper line all supplied within a rugged hard wearing black canvas bag.

The Kit is designed to be used in conjunction with the BTRENCHSAFE® Access/Egress Shoring Platform to allow sites to be compliant by having an appropriate fall arrest system in place whilst accessing ground excavations.



BTRENCHSAFE® ALUMINIUM CROSS OVER WALKWAY

C/W Guard rails and ramps and anti-slip grid mesh flooring Code: 603510S

The BTRENCHSAFE® Shoring Cross Over Bridge allows workers safe method of mid-span access over trench excavations.



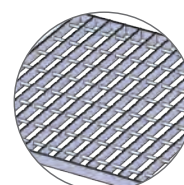
Cross Over Walkway

Features

- Manufactured in lightweight ultra-strong aluminium grade material in natural finish.
- Non-slip ribbed main floor construction with anti-slip grid mesh access ramps on both ends.
- Removable guardrails on both sides to protect workers from falls.
- Wide ramp at 820mm (32.2 in) to allow for small plant equipment to be walked across.
- Sliding clamp feet engages against trench box to lock and prevent accidental movement of CrossOver Bridge.
- Aluminium Safety, Kick boards. Fall protection from falling foreign materials or tools.
- Effective length of 3.5m (11.5 ft) with other lengths available to be manufactured on order.
- Easily assembled & dismantled for transportation.
- Integrated lifting points.

Flooring:

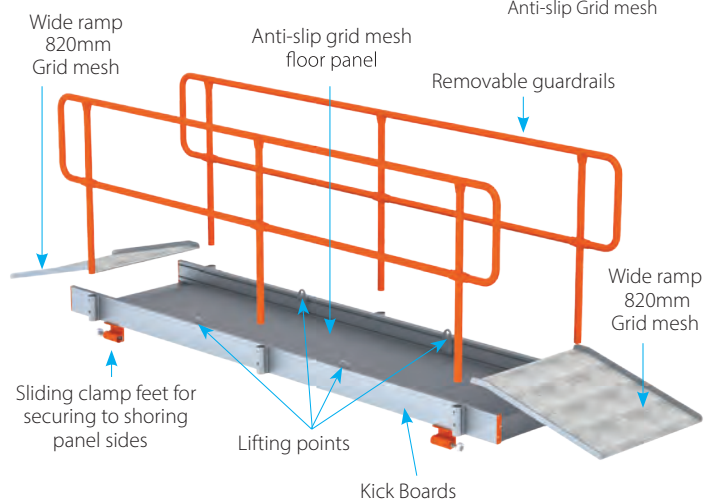
- Lightweight Aluminium anti-slip grid mesh floor panel.



Anti-slip Grid mesh



Flat Pack x (5) Five high storage c/w stillage



TRENCH SHORING SAFETY EQUIPMENT

BTRENCHSAFE®

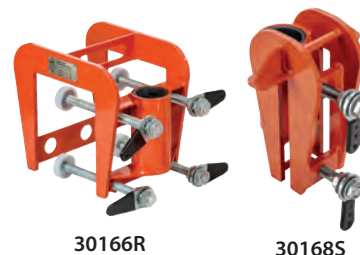
BTRENCHSAFE® SERIES MOUNT BASE ADJUSTABLE THROAT

PRO-2 & 3 Series Shoring Mount base with adjustable throat (30166R)

- Grip range 20mm - 205mm (0.8" - 8").
- Electro galvanised and powder coated.
- Weight 25kg (55.11 lbs).

PRO-2 & 3 Series Sheet Piling Mount base with adjustable throat (30168S)

- Grip range 0mm- 25mm (0" - 0.98").
- Electro galvanised and powder coated.
- Weight 18kg (39.68 lbs).



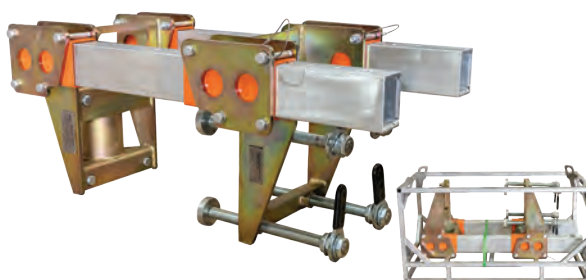
30166R

30168S

BTRENCHSAFE® ADJUSTABLE SHORING MOUNT DAVIT BASE

Code: 30029

- Grip range 30mm(1.18") - 620mm (24.4").
- Electro galvanised and powder coated
- Weight 34kg (75lbs).
- Includes stillage for ease of transportation



BTRENCHSAFE® ALUMINIUM ADJUSTABLE CLAMPING GUARDRAIL

Code: BTS6000-1.2 (4ft) X5, -2.0 (6.5 ft) X5, -2.4 (8 ft) X5, -3.0(10 ft) X5, -3.5(11.4 ft) X5 & -4.0(13 ft)X5

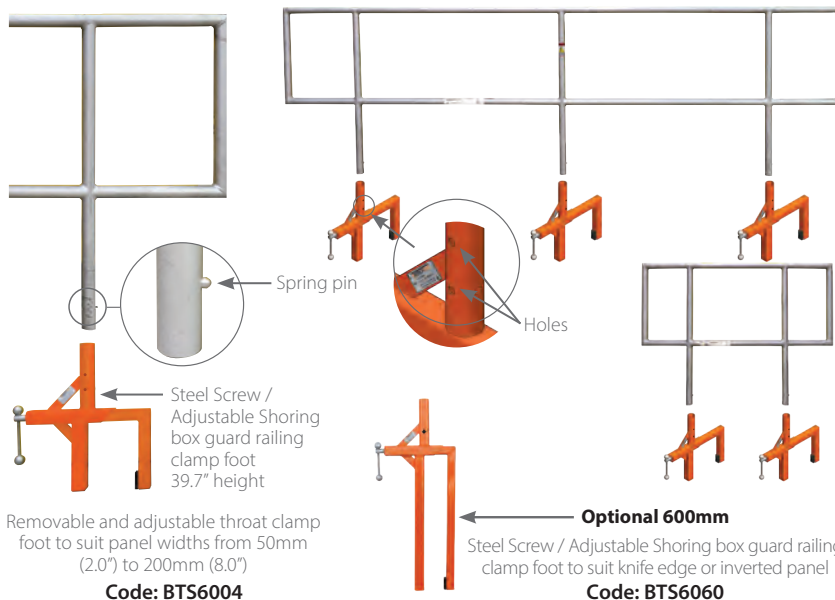
The BTRENCHSAFE® Aluminium Adjustable Clamping Guardrail provides sites with a much needed physical barricades to prevent workers falling into open trenches and excavations.

Key Product Features:

- Manufactured in lightweight ultra strong aluminium grade 6061-T6 in natural finish.
- Adjustable throat clamping to suit panel widths from 50mm(2") to 200mm (8").
- High density rubber padding on clamp to provide even surface contact.
- Available in guardrail lengths of 1.2m (4 ft), 2.0m (6.5 ft), 2.4m (8 ft), 3m (10 ft), 3.5m (11.4 ft) & 4.0m (13ft).
- Modular in design and construction allowing for ease of storage and stacking on site and whilst in transport.
- Sold in packs of 5.



Adjustable throat clamping to suit panel widths from 50mm (2") to 200mm (8")



Code: BTS6004

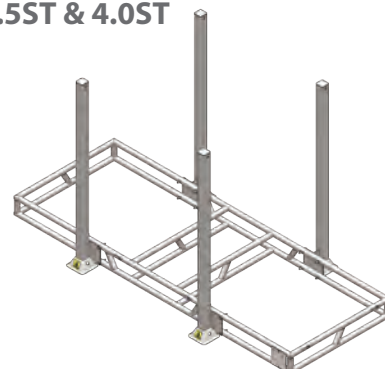
Code: BTS6060

TRENCH SHORING SAFETY EQUIPMENT



BTRENCHSAFE® GUARDRAIL STEEL STILLAGE

Code: BTS-6000-1.2ST, 2.0ST, -2.4ST, -3.0ST, -3.5ST & 4.0ST



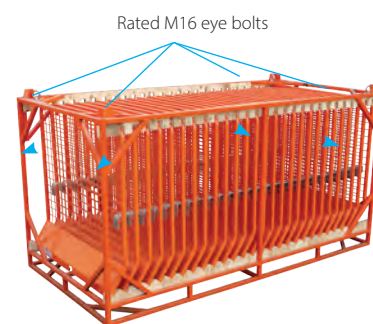
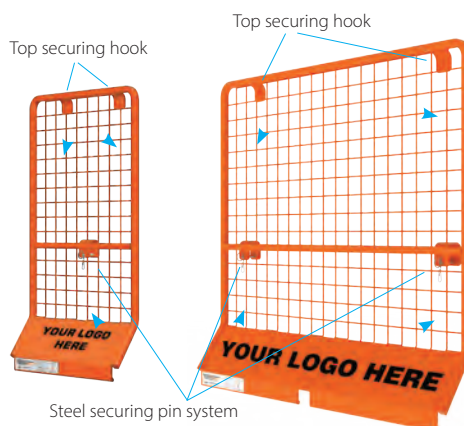
Optional stillage available for ease of storage and stacking on site and whilst in transport. Each stillage holds 25 guardrails and can be stacked 3 high.

BTRENCHSAFE® STEEL EDGE PROTECTION MESH IN-FILL BARRIERS for Aluminium Guardrails

Code: BTS6000-17.5EPS for 25 panels in stillage. 1 single panel approximately 500 x 1000mm (20" W x 40" H)

Code: BTS6000-7-11EPS for 25 panels in stillage. 1 single panel approximately 1000 x 1000mm (40"W x 40" H)

- Mesh In-Fill Barriers for BTS® 2.0m–4.0m Aluminium Guardrails; available in 25-panel stillage packs.
- Prevents debris, tools, and equipment from falling into excavations.
- Quick, one-person installation using steel securing pins.
- Two top securing hooks lock onto the guardrail and two securing pins prevent accidental dislodgement.
- Panels sized 500 x 1000mm (20x40in) and 1000 x 1000mm (40x40in); Lightweight yet strong panels 5.5kg & 9kg (12lbs & 20lbs)
- Powder-coat finish available in BTS® corporate or custom colours.
- Kick plate with slanted edge for added safety; optional company logo label.



Storage rack hold 25 Mesh Barriers and can be lifted / moved with a crane or forklift.

Storage Racks can be stacked up to three (3) high.

TRENCH SHORING SAFETY EQUIPMENT

BTRENCHSAFE®

BTRENCHSAFE® RESCUE/RETRIEVAL DAVIT KIT

with winches & shoring panel base **Code: BTS50506KIT**

The BTRENCHSAFE® Rescue/Retrieval Davit c/w Type 3 SRL, Materials winch & Shoring Panel Base is designed to be mounted on trench shoring (steel and aluminium) panels and provides users with a safe means of extraction of personnel out of trenches and ground excavations.

Key Product Features:

PRO-6G Davit Code: 50506

- Manufactured in 6061-T6 Aluminum with Powder-coated with AkzoNobel advance coating.
- Modular construction of up to 4 pieces allowing for ease of transport and storage.
- Patented 360° degrees Swivel Design with Inbuilt visual overload indicator.
- Boom with 5 Offset adjustment settings from 0.5m (1'8") to 0.7m (2'3") with self locking pin.
- No special tools required for on-site assembly or disassembly.
- Suitable for either man or material lifting/lowering applications.
- Working load limit 140kg (310lbs) for man or material handling.
- Secondary anchor is rated 140kg (310lbs) (anchor point for winch operator).
- Suitable for use with both permanent and portable davit bases.
- Quick connect interface brackets for SRL-Rescuer and winch.

Inertia Reel with Recovery Winch mode. Code: HRA-18US

- 18m (59') (HRA-18US) effective working length.
- Robust aluminium construction.
- Minimal moving parts allowing for reduced chance of equipment damage or component failure due to rough handling on site.

Stainless Steel Hand Brake Materials Winch. Code SSJC-C820

- Rated Capacity: 140kg (309lbs) (Lifting) in line with Materials Rated Pro-Series Davit.
- 5:1 gear ratio.
- Very low operator effort required for easy operation.
- Double pawl safety feature.
- Stainless steel construction Grade 304.
- C/w 18m (59') x 6mm (1/4") 7x19 H.D.G Grade G2070 Wire rope & 6mm (1/4") Grade 80 Eye Swivel Self Locking Hook yellow powder coated.

Shoring Panel Bracket Davit Base. Code: 30166R

- Steel construction and powder-coated in hi-vis orange for increased visibility on site.
- Adjustable throat opening to accommodate shoring panels with widths of 20mm- 205mm opening (0.8"- 8.5").
- Increased surface area of critical holding points that contacts the aluminium and steel shoring panels to prevent puncture and piercing of panels when in use.



BTS50506KIT



SSJC-C820



HRA-18US



60202UIM

TRENCH SHORING SAFETY EQUIPMENT



Heavy Duty Storage Tool Box. Code: BTS50506BX

Tough aluminum checker plate construction to suit the harshest of work sites.

- Innovative design and construction allows for ease of storage and multi-stacking when not in use.
- Integrated forklift pockets and certified lifting points on 4 corners.
- Lockable lid with integral gas struts for ease of raising.
- Padded internal custom cutaways for storing of davit components.
- Internal pocket to securely store manuals, certificates and pertinent paperwork.
- External metal ID tag to scribe asset and serial numbers.



BTS50506BX

PRO-6G Davit In Its Carrying Bag. Code: BTS50506

- Delivered in a carrying bag when ordered individually
- A heavy duty carry bag designed for transporting and storing davit components.



BTS50506

HDG Floor Mount C/W Screw Locking Pin For Pro-6g Davit Base. Code: BTS1109

HDG Wall Mount PRO-6G Davit Base. Code: BTS0024

HDG Floor Mount PRO-6G Davit Base. Code: BTS0025F

Stainless-Steel Heavy-Duty Floor Mount PRO-6G Davit Base. Code: BFMDB01SS

Stainless-Steel Heavy Duty Side Mount Pro-6G Davit Base. Code: BFMDB021SS

Clamping Assembly w/BTS0025F. Code: 30165-CA

- A clamping plate designed to integrate BTS Guardrails and beams with a Davit Bracket and Davit.
- It provides a secure mounting interface, allowing safe attachment of davits.



BTS1109



BTS0024



BTS0025F

30165-CA Clamping Assembly
w/ BTS0025F

BFMDB01SS



BFMDB021SS

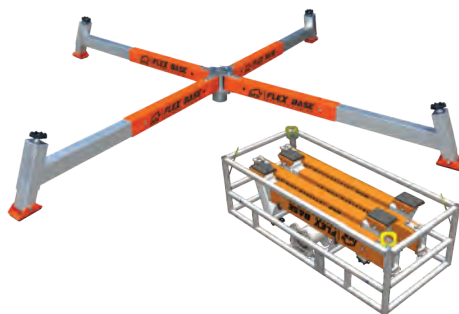
BTRENCHSAFE® FLEXBASE PORTABLE DAVIT BASE

Code: 30075K

Engineered for flexibility and reliability, this innovative compact davit base adapts to your operational needs, enabling seamless performance in construction, maintenance, and rescue activities. With easy setup, and robust construction, the BTS Flex Base Davit System is designed to allow you to quickly and securely carry out your lifting, confined space & working at heights tasks.

Key Product Features:

- For use with the PRO-3G and PRO-6G davit.
 - Independent leveling function on each leg for uneven ground up to 3°.
 - Allows 360° slewing when legs fully extended
 - Adjustable settings for tighter workspace.
 - Telescopic leg extrusion for compact transportation size.
 - Tool-free assembly through the use of 12.7mm (½ inch) securing pins.
 - Supplied in stackable stillage.
- Max. Manhole Dia. 1.6 m (5.2 ft)



TRENCH SHORING SAFETY EQUIPMENT

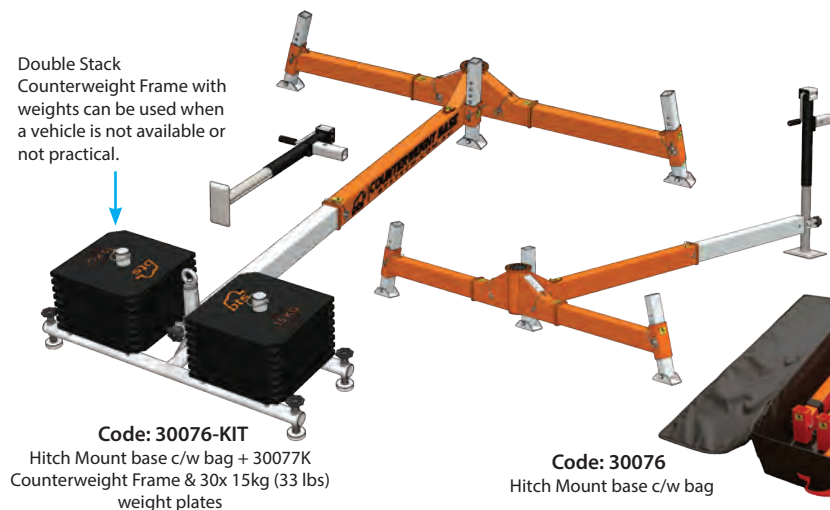
BRENCHSAFE®

BRENCHSAFE® VEHICLE HITCH MOUNT AND COUNTERWEIGHT DAVIT BASE Code: 30076-KIT, 30076 & 30077K

The BTS PRO-6 Series Hitch Mount and Counterweight Base Davit system is your ultimate solution for height safety, fall arrest, leading edges and confined space entry and retrieval applications such as manholes, silos and pump stations. The PRO-6 Series Portable Hitch Mount Bases are designed for rugged and demanding applications using external weight sources to anchor the davit system.

- Easy assembly, no tools required.
- Versatile, counterweighted base or attached to a vehicle with 50mm/2" hitch square receiver.
- Adjustable hitch mount height 340mm (13.3") – 710mm (28.0")
- Base can be rotated from the vehicle hitch up to 90° on either side.
- Full 360° rotation of PRO-6G davit for access and retrieval of workers or goods.
- Storage bag for easy transportation and storage.

Double Stack Counterweight Frame with weights can be used when a vehicle is not available or not practical.



Code: 30076-KIT

Hitch Mount base c/w bag + 30077K Counterweight Frame & 30x 15kg (33 lbs) weight plates

Code: 30076
Hitch Mount base c/w bag

Code: 30077K
Counterweight Frame &



TRIPOD

The BTS PRO-3 Series 3 stage 3m lightweight aluminium tripod offers workers a practical and userfriendly solution for safe means of access & egress including rescue/recovery in vertical confined space applications.



TRIPOD

Model Description	Maximum Height m (ft)	Collapsed Height m (ft)	Weight kg (lbs)	Code
PRO-3, 3m 3 stage	3.02 (9.90)	1.55 (5.08)	19.8 (43.65)	40014

PRO-SERIES TRIPOD ACCESSORIES

Model Description	Code
Tripod Storage bag c/w wheels	30014SCB
IKAR PRO-Series Davit Bracket c/w Female Single Interface Brackets.	60202UIM
Quick Release Male Tripod Bracket (Tool-less).	30014SB
S/S Material Winch c/w Female Interface Bracket with 59' x 1/4" (18m x 6mm) HDG W/R with G80 Swivel S/L Hook.	SSJC-C820
Stainless Steel Hand Brake Winches c/w 18m x 6mm (59' x 1/4") 7x19 H.D.G Grade G1870 Wire rope, Double Action Swivel Safety Hook with fall arrest indicator & Quick Release Single Universal Interface Bracket.	SSJC-C820MT
IKAR Recovery Winch 59 ft (18 m).	HRA-18US
Diversion Sheave Block with S/S Karabiner .	41-Z20B
Spreader Bar.	BRO5110

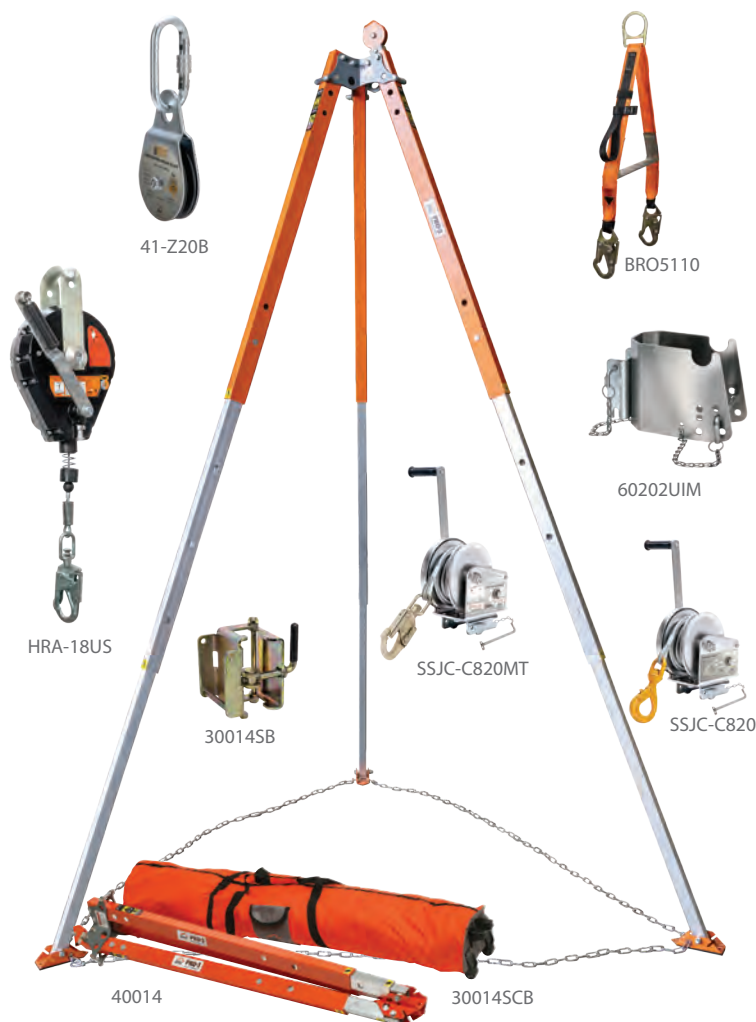
TRENCH SHORING SAFETY EQUIPMENT

BRENCHSAFE®

Key Product Features:

- Individually adjustable telescopic legs with toe spikes, bolt/peg holes and chain holes for added stability.
- BTS-Klick dual action quick release buttons for fast and reliable height adjustment.
- Lightweight aluminium construction.
- Tripod head features integrated pulley wheel allowing for winch wire cable to pass through centre of Tripod.
- Additional rated 3 tie-off points in the Tripod head for attaching additional personal fall protection equipment.
- Powder coated in Hi-Vis Safety Orange for ease of identification in all work areas.
- Compatible for use with other reputable height safety manufacturer's winches.
- Tripod comes complete in canvas storage bag with wheels for ease of storage and transport by one person.
- Minimal set up required - Assembled by one person.
- Use of chain optional
- Max. Manhole dia 1.6 m (5.2 ft)

Weight:	19.8kgs (43.65lbs)
Maximum Height:	3.02m (9.90ft)
Minimum Height:	1.55m (5ft)
Capacity:	Max. 2 users, 1 person no more than 140kg (310lbs) per anchor point
Rated:	2700lbs (12kN) per anchor point



STAINLESS STEEL HAND BRAKE WINCH

Designed for use with BTS PRO Series davits & tripods

Code: SSJC-C820MT

Stainless Steel Hand Brake Winches c/w 59' x 1/4" (18m x 6mm) 7x19 H.D.G Grade G1870 Wire rope, Double Action Swivel Safety Hook with fall arrest indicator & Quick Release Single Universal Interface Bracket.

Key Product Features:

- Compact design.
- Rated Capacity: 485 lbs (220Kg) (Lifting) in line with Man Rated PRO-Series davits & tripods.
- 5:1 gear ratio.
- Very low operator effort required for easy operation.
- Double pawl safety feature.
- Stainless steel construction Grade 304.
- Automatic weather proof Weston brake.
- Automatic load actuated braking system, no free wheeling under load.
- Winch bearings made from bronze for additional corrosion resistance.
- Ergonomic rubber handle.
- Enclosed gear train.
- Minimum handle effort to lift or pull.
- C/w 59' x 1/4" (18m x 6mm) 7x19 H.D.G Grade G1870 Wire rope.
- C/w Double Action Swivel Safety Hook with fall arrest indicator.
- Quick Release female Single Universal Interface Bracket c/w locking toggle pin & jack chain lanyard designed specifically to match BTS Universal quick release interface tripod bracket (30014SB) or BTS Quick Release Double Sided Universal Male Interface Bracket (60202UA).



TRENCH SHORING SAFETY EQUIPMENT

STAINLESS STEEL HAND BRAKE MATERIALS WINCH

Code: SSJC-C820

Key Product Features:

- Compact design.
- Rated Capacity: 310 lbs (140Kg) (Lifting) in line with Man Rated Pro-Series Davit and Tripods.
- 5:1 gear ratio.
- Very low operator effort required for easy operation.
- Double pawl safety feature.
- Stainless steel construction Grade 304.
- Automatic weatherproof Weston brake.
- Automatic load actuated braking system, no free wheeling under load.

- Winch bearings made from bronze for additional corrosion resistance.
- Ergonomic rubber handle.
- Enclosed gear train.
- Minimum handle effort to lift or pull W.L.L (Working Load Limit).
- C/w 59' x 1/4" (18m x 6mm) 7x19 H.D.G Grade G1870 Wire rope.
- C/w 1/4" (6mm) Grade 80 Eye Swivel Self Locking Hook yellow powder coated.
- Quick Release Single Universal Interface Bracket c/w locking pin & lanyard designed specifically to match BTS davit & tripod interface bracket.



IKAR RESCUE RECOVERY WINCHES

Code: HRA-18US, HRA-18TA & HRA-24TA

IKAR height safety devices with rescue hoisting feature (type HRA) are equipped with a winching unit. In case of a rescue after a fall, this winch unit can easily be snapped-in by a second person e.g. in case of unconsciousness through gas in shafts or channels. The person who has suffered the accident can therefore be rescued quickly and safely.

Key Product Features:

- Compact design.
- Rated Capacity: 310 lbs (140Kg) (Lifting)
- Steel Cable length 59' (18.0m)
- The unit is completely closed.
- All parts are made from stainless steel or aluminium.
- Weight: 23lbs (11.5kg)
- Karabiner Length: 7.28" (185mm)



SELF RETRACTING LIFELINES



IKAR SRL's incorporate a web or steel-rope lifeline that extends and retracts allowing the user unhindered movement and mobility around the work areas. In the event of a fall, the internal brakes activate and the unit arrests the falling person within 600mm and limits the arresting force passed onto the worker's body.

All units are manufactured either in aluminium or shockproof plastic and feature 360° rotational top eye to eliminate the twisting of the unit webbing or steel-rope lifeline whilst in use.



HWS-18TA

HWPB-12TA

HWPS-9TA

HWPS-2TA

SELF RETRACTING LIFELINES

Code	Cable Type m (ft)	Housing	Weight kg (lbs)
HWPB-9TA	9.0 (29.52) Web	Plastic	2.3 (5.07)
HWPB-12TA	12.0 (39.37) Web	Plastic	3.4 (7.49)
HWPB-15 TA	15.0 (49.21) Web	Plastic	5.3 (11.68)
HWS-9TA	9.0 (29.52) Steel rope	Aluminium	3.7 (8.15)
HWS-12TA	12.0 (39.37) Steel rope	Aluminium	5.4 (11.90)
HWS-18TA	18.0 (59.05) Steel rope	Aluminium	6.9 (15.21)
HWS-24TA	24.0 (78.74) Steel rope	Aluminium	8.4 (18.51)
HWPS-9TA	9.0 (29.52) Steel rope	Plastic	3.2 (7.05)
HWPS-12TA	12.0 (39.37) Steel rope	Plastic	4.9 (10.80)
HWPS-18TA	18.0 (59.05) Steel rope	Plastic	6.3 (13.88)
HWPS-24TA	24.0m (78.74) Steel rope	Plastic	7.3 (16.09)

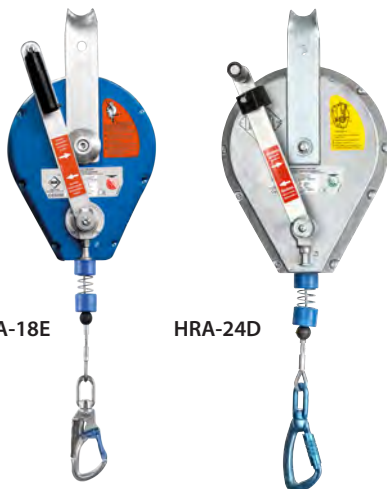
IKAR SRL's are available with either Stainless Steel or Galvanised 3/16" Cable and on smaller models in Webbing Strap. (IKAR SRL's comply with AS/NZS1891.3)

TRENCH SHORING SAFETY EQUIPMENT

IKAR RESCUE RECOVERY WINCHES



HRA-24D
HRA-24TA



HRA-18E

HRA-24D



60202UIM

IKAR HRA to PRO-Series Davit & Tripod - includes female adaptor.

IKAR height safety devices with rescue hoisting feature (type HRA) are equipped with a winching unit. In case of a rescue after a fall, this winch unit can easily be snapped-in by a second person e.g. in case of unconsciousness through gas in shafts or channels. The person who has suffered the accident can therefore be rescued quickly and safely. The unit is completely closed. All parts are made from stainless steel, aluminium or shock proof plastic. Different lifeline lengths ensure that a suitable device is available for every application.

(Special lifeline lengths and V2A stainless steel or Dyneema® lanyards are possible on request!)

IKAR height safety devices with rescue hoisting feature have a very high standard of safety using technology which has proven its excellence throughout the world.

PRODUCT FEATURES

- Aluminium or Plastic Housing.
- Galvanized steel cable lifeline.
- Certified for 1 person.

IKAR RESCUE WINCHES					
Code	Cable Type mm (ft)	Housing	Weight kg (lbs)	Dimensions mm (inch)	Karabiner Length mm (inch)
HRA-12TA	12.0 (39.37) Steel rope	Aluminium	7.0 (15.43)	450 x 195 x 180 (17.71 x 7.67 x 7.08)	185 (7.28)
HRA-18TA	18.0 (59.00) Steel rope	Aluminium	11.5 (25.35)	570 x 240 x 200 (22.44 x 9.44 x 7.87)	185 (7.28)
HRA-24TA	24.0 (78.74) Steel rope	Aluminium	16.0 (35.27)	630 x 275 x 220 (24.80 x 10.82 x 8.66)	185 (7.28)
HRA-33TA	30.0 (98.42) Steel rope	Aluminium	21.0 (46.29)	640 x 315 x 230 (25.19 x 12.40 x 9.05)	185 (7.28)
HRA-42TA	42.0 (137.79) Steel rope	Aluminium	40.0 (88.18)	740 x 370 x 235 (29.13 x 14.56 x 9.25)	185 (7.28)
HRA-65TA	65.0 (213.25) Steel rope	Aluminium	43.0 (94.79)	780 x 390 x 240 (30.70 x 15.35 x 9.44)	185 (7.28)
HRA-18PTA	18.0 (59.00) Steel rope	Plastic	10.3 (22.70)	620 x 231 x 152 (24.40 x 9.09 x 5.98)	185 (7.28)
HRA-12E	12.0 (39.37) VA-Rope	Aluminium	7.0 (15.43)	450 x 195 x 180 (17.71 x 7.67 x 7.08)	185 (7.28)
HRA-18E	18.0 (59.00) VA-Rope	Aluminium	11.5 (25.35)	570 x 240 x 200 (22.44 x 9.44 x 7.87)	185 (7.28)
HRA-24E	24.0 (78.74) VA-Rope	Aluminium	16.0 (35.27)	630 x 275 x 220 (24.80 x 10.82 x 8.66)	185 (7.28)
HRA-33E	30.0 (98.42) VA-Rope	Aluminium	21.0 (46.29)	640 x 315 x 230 (25.19 x 12.40 x 9.05)	185 (7.28)
HRA-42E	42.0 (137.79) VA-Rope	Aluminium	40.0 (88.18)	740 x 370 x 235 (29.13 x 14.56 x 9.25)	185 (7.28)
HRA-12D	9.0 (29.52) Dyn-Rope	Aluminium	6.0 (13.22)	450 x 195 x 180 (17.71 x 7.67 x 7.08)	185 (7.28)
HRA-18D	15.0 (49.21) Dyn-Rope	Aluminium	10.1 (22.26)	570 x 240 x 200 (22.44 x 9.44 x 7.87)	185 (7.28)
HRA-24D	20.0 (65.61) Dyn-Rope	Aluminium	14.1 (31.08)	630 x 275 x 220 (24.80 x 10.82 x 8.66)	185 (7.28)

IKAR ACCESSORIES	
Code	Description
41-S30	Winch chain drive, available for all HRA devices.
60202UIM	Bracket for IKAR HRA to PRO-Series Davit & Tripod - includes female adaptor.

Note: The winch chain enables easy use of the winch in the HRA device, even if the load point is located very high

TRENCH SHORING SAFETY EQUIPMENT



BTRENCHSAFE® GROUND EXCAVATION & TRENCH SYSTEM

Using the **BTRENCHSAFE®** Shoring Solutions, your worksite will be much safer and at the same time also allow your site to be compliant with local state/country regulations around open trench excavations.

BTRENCHSAFE® SHORING SOLUTIONS	
Code	Description
BTS6928-LP-TW-ST	BTRENCHSAFE® Aluminium access/egress shoring platform & telescopic walkway. Including Stillage
BTS6928-LP-TW-EP	BTRENCHSAFE® Aluminium access/egress shoring platform, telescopic walkway & Anchor post. Including Stillage
BTS6928-LP	BTRENCHSAFE® Aluminium access/egress shoring platform.
BTS6928-LP-DPW	BTRENCHSAFE® Aluminium access/egress shoring platform with guardrail wings, anchor post & stillage. Compatible with BTS6928-TW, BTS6928-TW13A, TW17A & TW20A telescopic walkways.
BTS6928-TW	BTRENCHSAFE® Aluminium telescopic walkway 1.2 to 2.0m (4.0 to 6.75 ft).
BTS6928-TW13A	BTRENCHSAFE® Aluminium telescopic walkway 3.0 to 4.0m (10 to 13 ft).
BTS6928-TW17A	BTRENCHSAFE® Aluminium telescopic walkway 4.3 to 5.2m (14 to 17 ft).
BTS6928-TW20A	BTRENCHSAFE® Aluminium telescopic walkway 5.2 to 6.0m (17 to 20 ft).
6035105	BTRENCHSAFE® Aluminium cross over walkway 3.5m x 0.9m (11.48 x 2.95 ft) with guardrails & ramps.
BTS6928-LP-EP	BTRENCHSAFE® Ladder access fall arrest post kit.
BTS6000-1.2X5	BTRENCHSAFE® Aluminium Guardrail assembly x 1.2m (4.0 ft) with Pack of 2 adjustable clamping Feet (BTS6006X2).
BTS6000-2.0X5	BTRENCHSAFE® Aluminium Guardrail assembly x 2.0m (6.56 ft) with Pack of 2 adjustable clamping Feet (BTS6004X2).
BTS6000-2.4X5	BTRENCHSAFE® Aluminium Guardrail assembly x 2.4m (7.87 ft) with Pack of 2 adjustable clamping Feet (BTS6004X2).
BTS6000-3.0X5	BTRENCHSAFE® Aluminium Guardrail assembly x 3.0m (9.84 ft) with Pack of 3 adjustable clamping Feet (BTS6004X3).
BTS6000-3.5X5	BTRENCHSAFE® Aluminium Guardrail assembly x 3.5m (11.48 ft) with Pack of 3 adjustable clamping Feet (BTS6004X3).
BTS6000-4.0X5	BTRENCHSAFE® Aluminium Guardrail assembly x 4.0m (13.12 ft) with Pack of 3 adjustable clamping Feet (BTS6004X3).
BTS6000-1.2ST	Steel Stillage (HDG) for BTRENCHSAFE® Aluminium Guardrail assembly x 1.2m (4.0 ft). Holds 25, can be stacked 3 high.
BTS6000-2.0ST	Steel Stillage (HDG) for BTRENCHSAFE® Aluminium Guardrail assembly x 2.0m (6.56 ft). Holds 25, can be stacked 3 high.
BTS6000-2.4ST	Steel Stillage (HDG) for BTRENCHSAFE® Aluminium Guardrail assembly x 2.4m (7.87 ft). Holds 25, can be stacked 3 high.
BTS6000-3.0ST	Steel Stillage (HDG) for BTRENCHSAFE® Aluminium Guardrail assembly x 3.0m (9.84 ft). Holds 25, can be stacked 3 high.
BTS6000-3.5ST	Steel Stillage (HDG) for BTRENCHSAFE® Aluminium Guardrail assembly x 3.5m (11.48 ft). Holds 25, can be stacked 3 high.
BTS6000-4.0ST	Steel Stillage (HDG) for BTRENCHSAFE® Aluminium Guardrail assembly x 4.0m (13.12 ft). Holds 25, can be stacked 3 high.
BTS6000-17.5EPS	BTRENCHSAFE® Steel mesh for Guardrails 0.5m x 1.0m (1.70 x 3.30 ft). <i>Sold in increments of 25 + Storage Rack/Stillage.</i>
BTS6000-7-11EPS	BTRENCHSAFE® Steel barrier mesh for Guardrails 1.0m x 1.0m (3.30 x 3.30 ft). <i>Sold in increments of 25 + Storage Rack/Stillage.</i>
BTS6004X2	BTRENCHSAFE® Steel adjustable ACME thread clamping feet for Guardrails (Standard). Carton pack of two (2)
BTS6004X3	BTRENCHSAFE® Steel adjustable ACME thread clamping feet for Guardrails (Standard). Carton pack of three (3)
BTS6060	BTRENCHSAFE® Steel adjustable ACME thread clamping devices for Guardrails 600mm (23.62 in) to suit knife edge inverted panel installations
BTS50506KIT	BTRENCHSAFE® Aluminium rescue/retrieval davit (BTS50506) with man & materials rated winches, steel adjustable shoring panel davit mount & aluminium storage box.
BTS50506BX	BTRENCHSAFE® Aluminium equipment storage box to suit BTS50506 PRO-6G Davits.
BTS30076-KIT	Hitch Mount base c/w bag + 30077K Counterweight Frame & 30x 15kg (33lbs) weight plates.
30076	Hitch Mount base c/w bag.
30077K	Counterweight Frame & 30x 15kg (33lbs) weight plates.
30077W	Counterweight 15kg (33lbs) weight plate.
30075K	FLEXBASE Portable Davit Base c/w Steel Stillage.
30166R	BTRENCHSAFE® Steel adjustable shoring panel davit mount Base: 20mm - 205mm (0.78 - 8.18 in).
30029	BTRENCHSAFE® Steel adjustable shoring panel davit mount Base: 30mm - 620mm (1.18 - 24.40 in).
30168S	BTRENCHSAFE® Steel adjustable sheet piling davit mount Base: 0.1mm - 25mm (0.003 - 0.98 in).

TRENCH SHORING SAFETY EQUIPMENT

BTRENCHSAFE®

BTRENCHSAFE® MOBILE ANCHOR CUBE (MAC)

Code: 70208 – Mobile Anchor Rescue Cube c/w Mast

The BTRENCHSAFE® Mobile Anchor Cube (MAC) provides for a practical solution for individuals working around open trenches & excavations where there is a risk of falls into unprotected edges. The counterweighted design requiring no permanent fixation. The MAC has built-in lifting pockets allows the unit to be moved around a site with relative ease. The MAC provides fall protection for 2 workers and can be set-up with type 2 and/or type 3 inertia reels with rescue recovery winch feature.

Key Product Features:

- Counterweighted base with built-in lifting pockets.
- Overall dimensions of 1.2 x 1.2 x 0.4m (47.2 x 47.2 x 15.7 in) and weighing 1400kg (3,087 lbs).
- Up to 2-person fall arrest system with optional type 3 rescue recovery winch feature. Refer to local requirements and regulations.
- Can be set-up as a fall restraint system.



CODE: 70208
Shown with Base and Mast
2 x Karabiners & SRL's
(Karabiners & SRL's are not included.
SRL's are available in various lengths)



CODE: 70208-HRA-KIT
Base and Mast,
2x Brackets & HRA's

MOBILE ANCHOR CUBE (MAC) & ACCESSORIES	
Model Description	Code
Mobile Anchor Cube (MAC) Mast & Base c/w Mast Carry Bag	70208
Anchor Base only.	70208B
Anchor Mast c/w Carry Bag only.	70208P
Anchor Base and Mast, 2x Brackets & HRA's	7028-HRA-KIT
Rescue Winch Bracket	60174-HRA
Screw Gate Oval Karabiner.	BSK0001
IKAR Self Retracting Lifelines 9, 12, 18 or 24m (29, 39, 59 or 78 ft).	HWPS-9TA, HWPS-12TA, HWPS-18TA, HWPS-24TA
IKAR Inertia Reel and Recovery Winch 18m (59ft).	HRA-18US



Engineered Height Safety

At BTS, we don't just provide equipment, we engineer comprehensive height safety solutions designed for real world challenges.

Our team combines decades of industry experience with rigorous safety standards to deliver systems that protect people, streamline operations and ensure compliance.

BTS is committed to keeping your teams safe at every level.

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Read Instruction Manual before using.



Specifications and dimensions subject to change without notice.

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