

DUCKBILL SCAFFOLD ANCHOR SPECIFICATION



Registered Office: North House 198 High Street, Tonbridge, Kent, TN9 1BE
Company Registration No. 04023935, VAT Registered No. 656490607

AS-20 Single Leg Scaffold Anchor

AS-20 Single Leg scaffold anchor ideal for Short- Medium term scaffold towers.

- 1.8m driven depth, SLS 20kN.
- 8mm Galvanised 7/19 strand wire. BS302 1987
- AS-20 LM25 Heat treated
- 8mm Ali Ferrell
- 1.5m driven depth, SLS 20kN.



AS-20 Double Leg scaffold anchor, Ideal for short – Medium term scaffold towers, the straight through tendon on the anchor head makes for an easy removal of the tendon to prevent any debris once the scaffold tower has been disassembled.

- 8mm Galvanised 7/19 strand wire. BS302 1987
- AS-20 LM25 Heat treated
- 8mm Ali Ferrell
- 1.5m driven depth, SLS 20kN.



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Report No: 13050144
 PO Number: Hadley 001
 Date of Issue: 14/08/2013
 Test Date: 07/08/2013
 Tested in accordance with: MTP2 & Cust. Req's

Testing Report

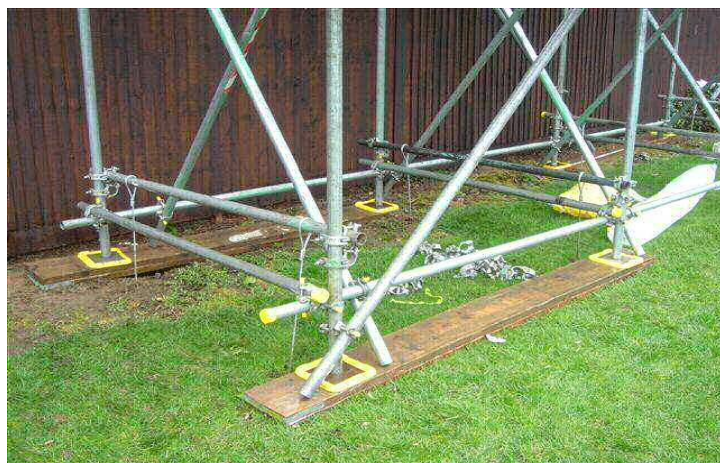
Description: AS-20 Aluminium double leg scaffold anchor, complete with 8mm 7/19 galvanised wire rope assembly SWL 20kN (item marked 1)

Method of Test:

The samples were tested in a universal testing machine serial number T49 calibrated to national standards. The samples were held using fittings suitable for both the machine and the items under test. Loading was applied uniformly in tension until the required proof load had been achieved.

Items Marked	Max Load kN	Safe Working Load kN
1	22.82	20kN

Remarks:
 Fracture occurred at the pin hole locating lug of the anchor plate.



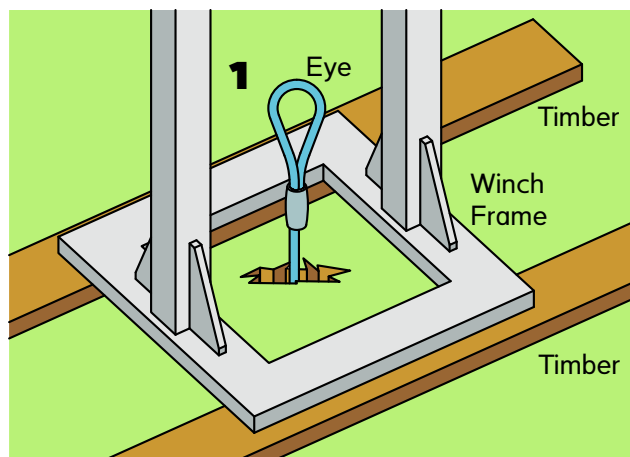
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AS-20 SINGLE LEG SCAFFOLD ANCHOR EXTRACTION PROCEDURE

Use this procedure if the AS-20 single leg scaffold anchor must be retrieved completely.

The Winch and Frame can be obtained from ANCHOR SYSTEMS (Europe) LTD. Contact details at foot of page.

1. Position the Winch Frame over the eye of the scaffold anchor tendon protruding from the ground and ensure that it is stable. Timbers may be used under the frame to further aid stability.



2. Attach the Winch Top Hook to the Winch Frame Eye as shown right. Ensure the hook safety latch is in engaged.
3. Attach the anchor eye to the Bottom Hook.
4. Using the Winch Handle take up the slack in the Chain and anchor tendon. Check the Winch Frame is stable before continuing to winch the scaffold anchor out of the ground.
5. Disconnect the anchor from the Bottom Hook and remove the winch equipment. Level/backfill any disturbed ground.

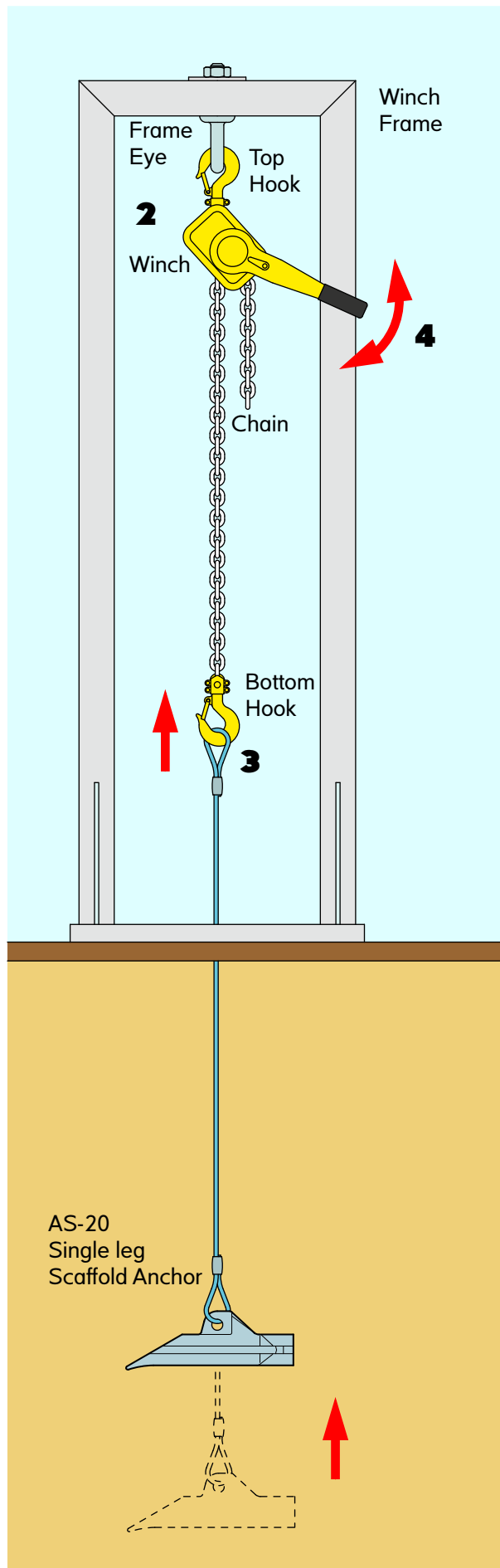


WARNING

TO PREVENT INJURY You must read the manufacturer's User Manual before using the Winch. Familiarise yourself with it's safe operation.



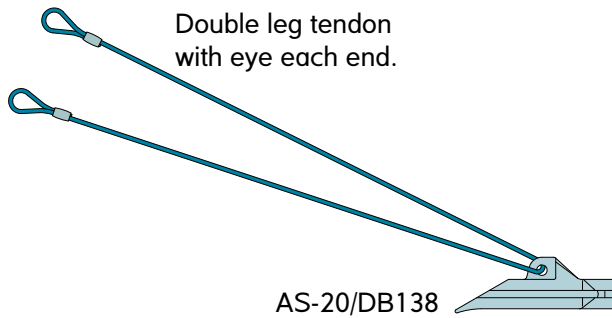
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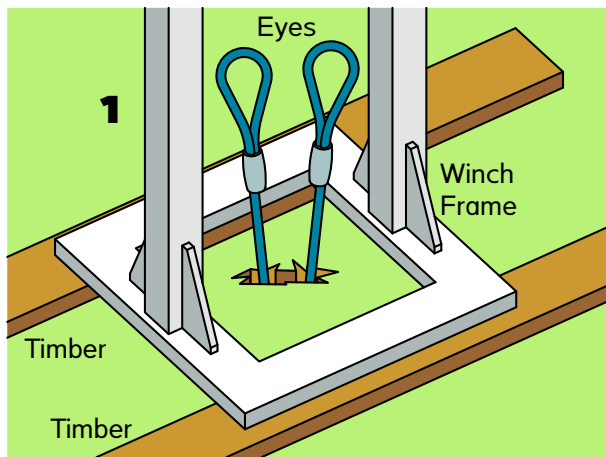
AS-20 DOUBLE LEG SCAFFOLD ANCHOR EXTRACTION PROCEDURE

If only the tendon needs to be removed cut off one of the eyes and simply pull the the buried cable out by hand. If the entire AS-20 double leg scaffold anchor must be retrieved completely use the method below.

The Winch and Frame can be obtained from ANCHOR SYSTEMS (Europe) LTD. Contact details at foot of page.



1. Position the Winch Frame over the eyes of the Double leg scaffold anchor tendons protruding from the ground and ensure that it is stable. Timbers may be used under the frame to further aid stability.



2. Attach the Winch Top Hook to the Winch Frame Eye as shown right. Ensure the hook safety latch is in engaged.
3. Attach both eyes to the Bottom Hook.
4. Using the Winch Handle take up the slack in the Chain and tendon. Check the Winch Frame is stable before continuing to winch the scaffold anchor out of the ground.
5. Disconnect the anchor from the Bottom Hook and remove the winch equipment. Level/backfill any disturbed ground.

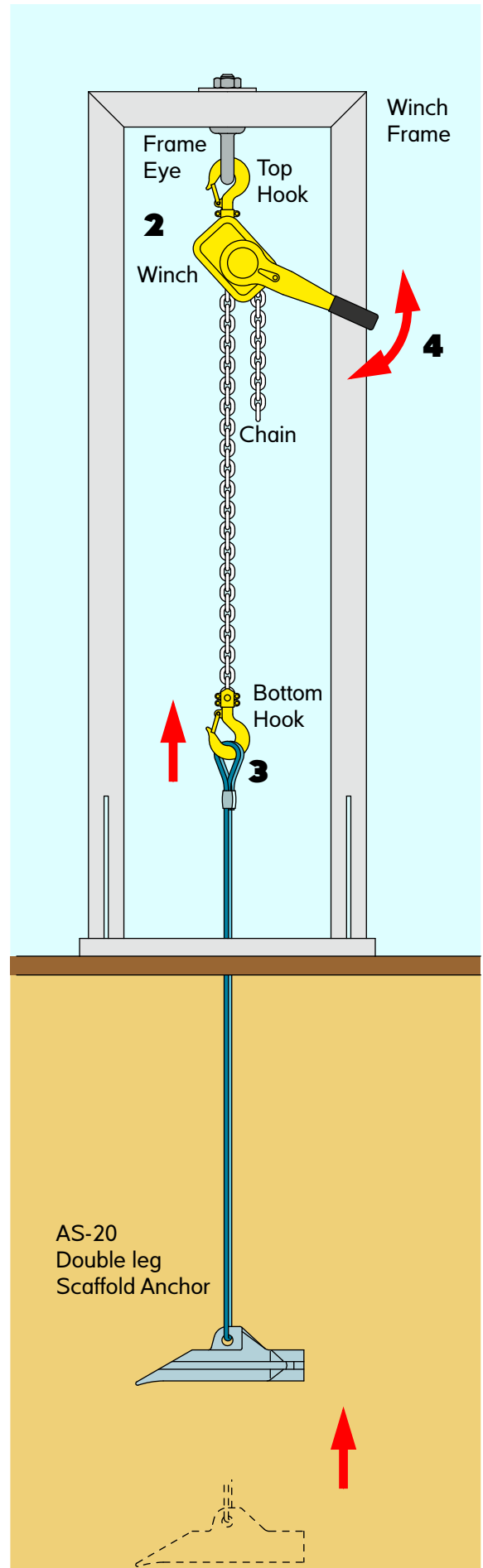


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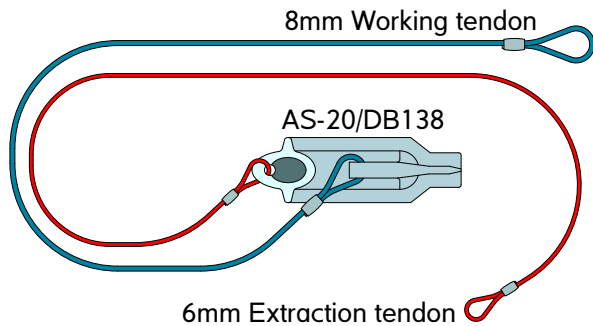
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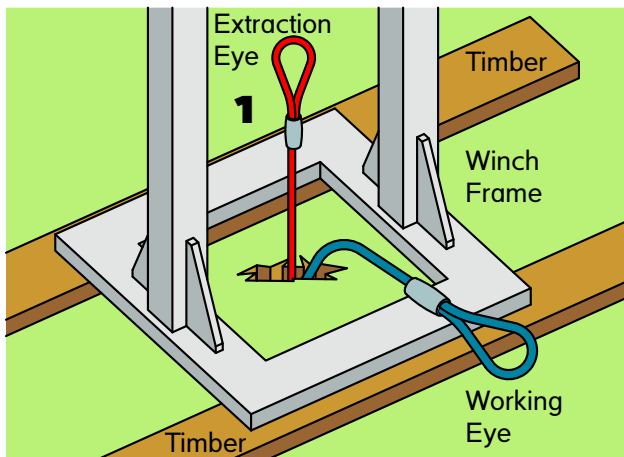
AS-20 SINGLE LEG SCAFFOLD ANCHOR - Type 2 EXTRACTION PROCEDURE

Use this procedure if the Type 2 AS-20 single leg scaffold anchor must be retrieved completely.

The Winch and Frame can be obtained from ANCHOR SYSTEMS (Europe) LTD. Contact details at foot of page.



1. Position the Winch Frame over the eyes of the Type 2 scaffold anchor tendons protruding from the ground and ensure that it is stable. Timbers may be used under the frame to further aid stability.



2. Attach the Winch Top Hook to the Winch Frame Eye as shown right. Ensure the hook safety latch is in engaged.
3. Attach the Extraction eye to the Bottom Hook.
4. Using the Winch Handle take up the slack in the Chain and Extraction tendon. Check the Winch Frame is stable before continuing to winch the scaffold anchor out of the ground. Winching the Extraction tendon will flip the anchor into a vertical position making it easier to pull out.
5. Disconnect the anchor from the Bottom Hook and remove the winch equipment. Level/backfill any disturbed ground.

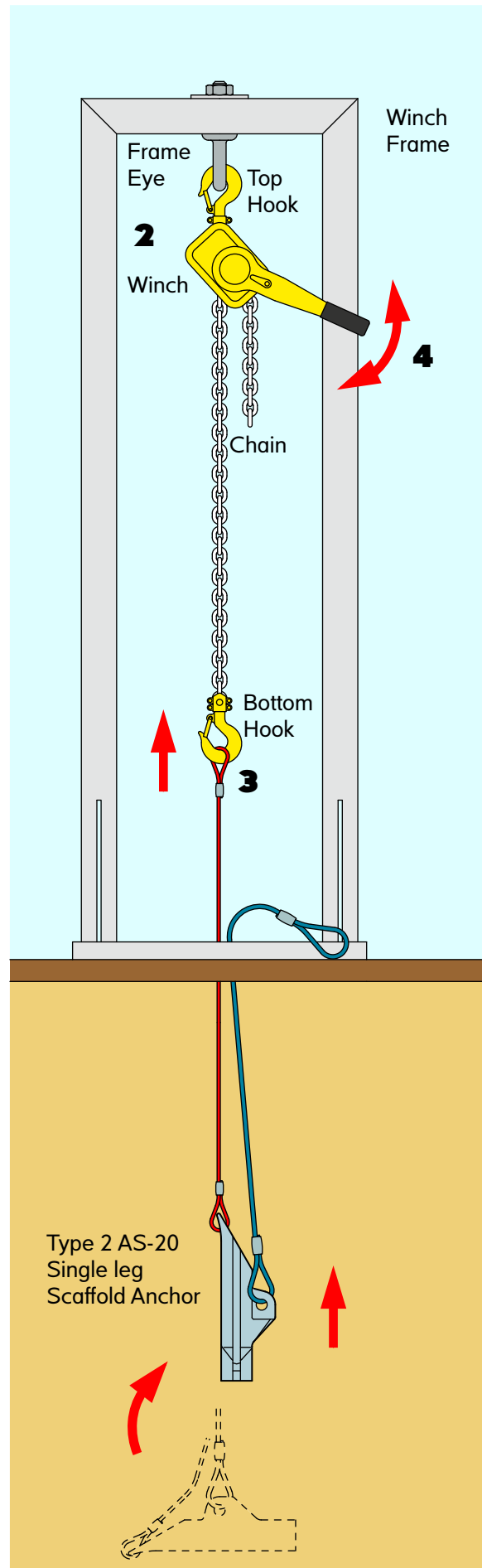


WARNING

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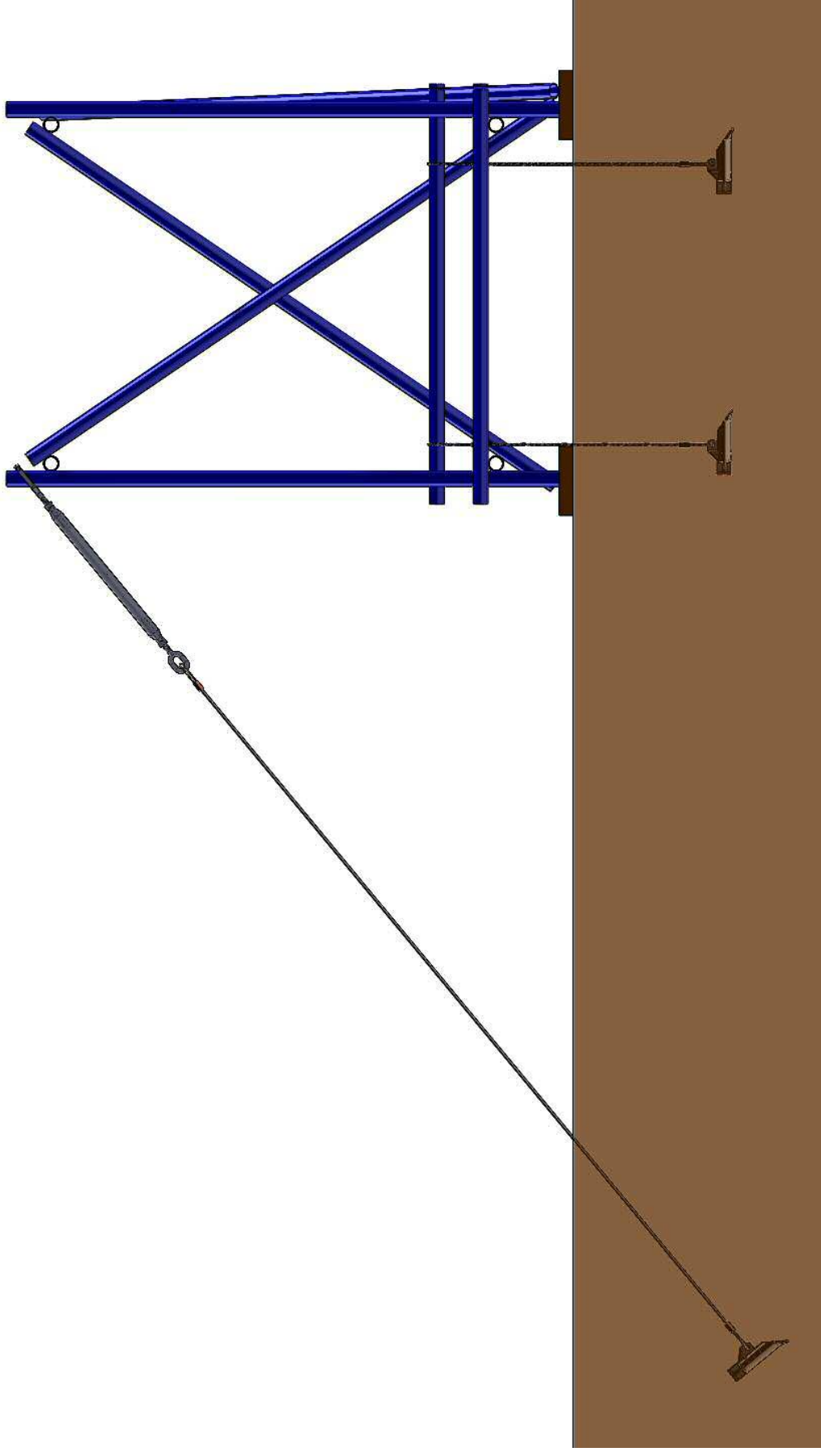


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Scaffold anchor

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Mechanical Anchoring Systems
DUCKBILL® ANCHORS • HELICAL ANCHORS
SOCK ANCHORS • ANCHOR POSTS

Single leg scaffold anchor

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Single leg extraction scaffold anchor

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Wire Strops, Guying Wires and Catenary Wires.

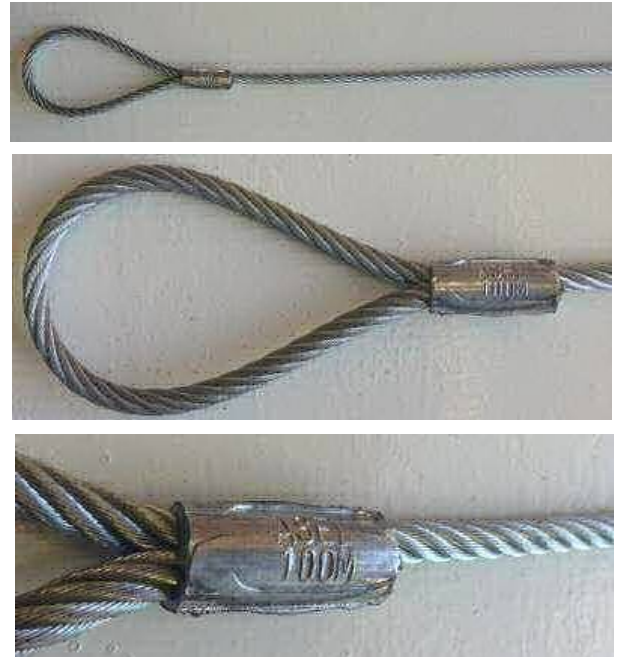
All wire strands is produced in house to any required length complete with swaged loop diameter to 60mm or client requirements.

Where instructed wire lengths will be etched onto the ferrules creating the loops.

We produce wire in 7/19 strand configuration, in galvanised or stainless steel grade 304. Our available diameters are in increments of 1mm from 4mm to 12mm.

All wire has a minimum tensile strength 1770 N/mm²; BS 302 1987; BS EN 12385.

- 4mm – 5.95kg per 100m
- 6mm – 13.40kg per 100m
- 8mm – 23.65kg per 100m
- 10mm – 36.96kg per 100m

**ANCHOR SYSTEMS (EUROPE) LTD****GALVANISED WIRE TECHNICAL DATA**

WIRE DIAMETER (mm)	3	4	6	8	10	12
MINIMUM BREAKING FORCE (kN)	5.29	9.40	21.20	40.30	63.00	90.70
MINIMUM BREAKING FORCE (kg)	540	960	2,160	4,110	6,420	9,250

1770 Tensile Grade; BS302 1987; Construction 7/19

STAINLESS STEEL WIRE TECHNICAL DATA

WIRE DIAMETER (mm)	2	4	6	8	10	12
MINIMUM BREAKING FORCE (kN)	2.20	8.89	20.00	35.60	55.60	80.00
MINIMUM BREAKING FORCE (kg)	225	905	2,040	3,630	5,670	8,160

1770 Tensile Grade; BS302 1987; Construction 7/19



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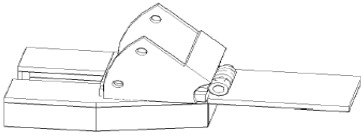
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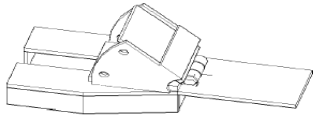


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Scaffold Jack ANC – MISC – 01 issue 0



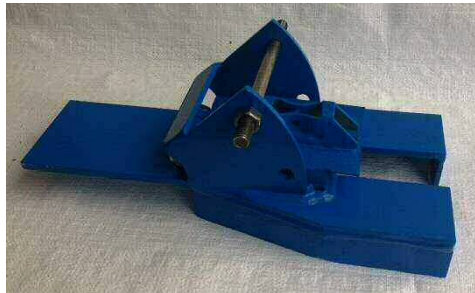
Drawing No ANC-MISC-01

ASEL- Scaffold anchor load Jack.

Designed for 90 / 45 degree loading of installed scaffold anchor heads. Robust and hard wearing for continuous site works

Complete with surrounding fins to splice into the soil to prevent any movement of the jack when in use, Stomp plate to bury the fins as well as acting as a counter lever to prevent the jack from falling when fixed in the 45 degree loading position.

Choices of fixings are available to connect to the anchor loop, fixed hook or removable D-Link Shackle.



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