Site Equipment Limited

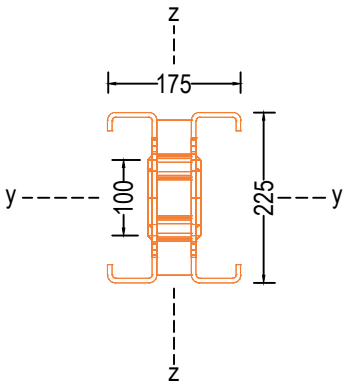
**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

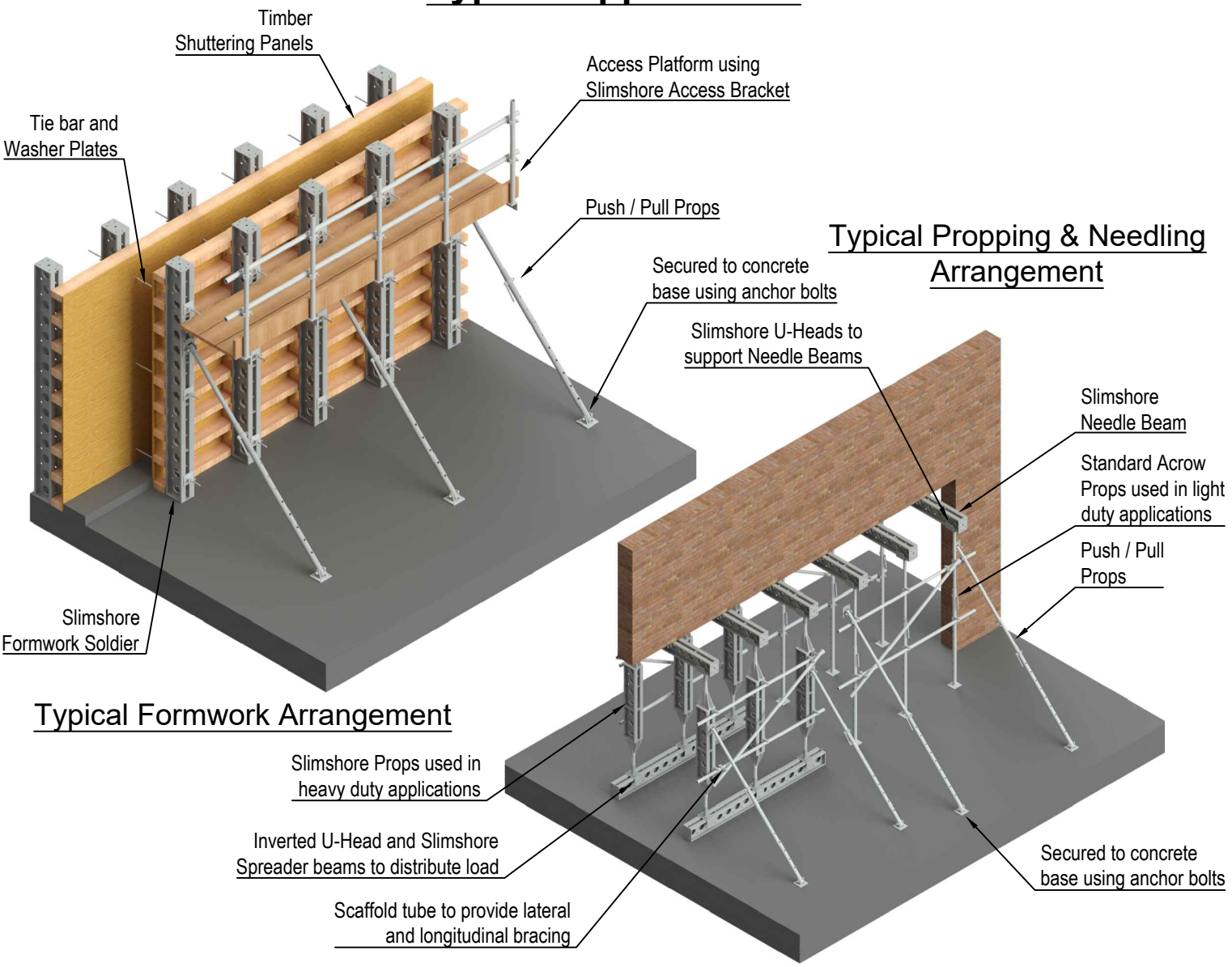
# Slimshore Information Sheet




| Key Permissible Properties | |
|---|---|
| Moment Capacity | 42.5 kNm |
| Shear Capacity (at portholes) | 88.0 kN |
| Axial Capacity (@ 4m) | 232 kN |
| 4no Bolted Joint - Moment | 15.5 kNm |
| 4no Bolted Joint - Tension | 167 kN |
| 6no Bolted Joint - Moment | 20.5 kNm |
| 6no Bolted Joint - Tension | 275 kN |

| Key Section Properties | |
|---|---|
| Material Grade | S355 |
| Net Section Area | 2010.8mm$^2$ |
| Net $I_{yy}$ | 1851cm$^4$ |
| Net $I_{zz}$ | 551.9cm$^4$ |

## Typical Applications



Site Equipment Limited

**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

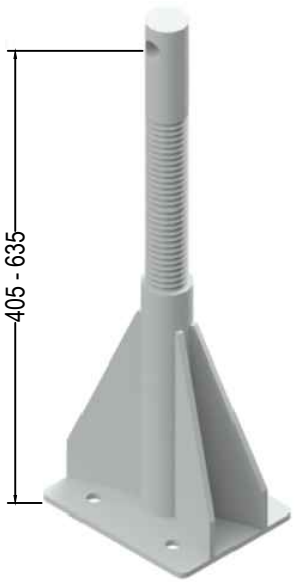
www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

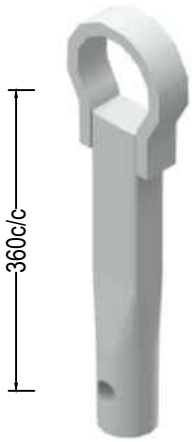
# Slimshore Information Sheet

## Slimshore Key Components

| Slimshore Soldier | |
|---|---|
| **Description** | **Weight (kg)** |
| 0.09m Packer Unit | 7.3 |
| 0.36m Soldier | 11.9 |
| 0.54m Soldier | 15.2 |
| 0.72m Soldier | 18.7 |
| 0.90m Soldier | 22.0 |
| 1.8m Soldier | 38.8 |
| 2.7m Soldier | 55.4 |
| 3.6m Soldier | 72.2 |

*Slimshore Soldier units can be connected end to end using a 4no. or 6no. **M16x40** Bolted joint, depending on the required strength. The soldiers can be used as Prop units, Raking shores, Needle Beams and more.*


| Adjustable Base Jack | |
|---|---|
| **Description** | **Weight (kg)** |
| 365 - 515mm Jack | 19.0 |

*The Adjustable Base Jack allows for fine adjustment in height when combined with Slimshore Soldier prop units. Connection to Soldier units using 4no **M16x40** Bolts. Connection to a suitable concrete slab using anchor bolts (by others).*

| LH / RH Jacks | |
|---|---|
| **Description** | **Weight (kg)** |
| LH Adjustable Jack | 15.0 |
| RH Adjustable Jack | 15.0 |

*The handed Left or Right Jacks connect to Slimshore Soldier units for Heavy Duty Push/Pull Props. Connection to Soldier units using 4no **M16x40** Bolts. Connection to Tilt Plate or Spade End Link using **M24x110** Bolts*

| Spade End Link | |
|---|---|
| **Description** | **Weight (kg)** |
| Spade End Link | 3.1 |

*The Spade End Link connects to the LH/RH Jacks to enable connection to the web hole in the soldier unit using the Prop Pivot Tube. Connection to LH/RH Jacks using **M24x110** Bolts.*

Site Equipment Limited

**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

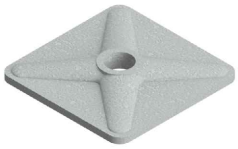
# Slimshore Information Sheet

## Slimshore Ancillary Components

1. / 1a.

2.

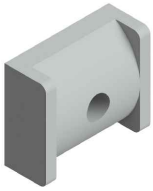
3.



4.

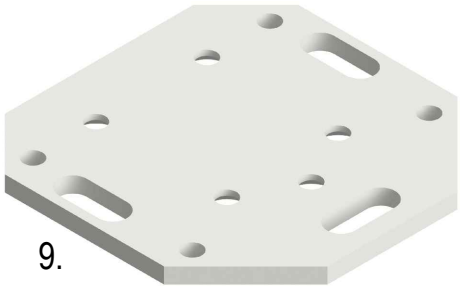
5.

6.



7.

8.



9.

| Ancillary Components | | | |
|---|---|---|---|
| **No.** | **Description** | **Weight (kg)** | **Comments** |
| 1 | U-Head Type A | 5.3 | U-Head fixes to Adjustable props using 2no **Countersunk M12x40** bolts to support a 180mm wide beam. |
| 1a | U-Head Type C | 5.7 | Larger 220mm wide U-Head for use with the 203x203x46 Needle Beam. 2no **Countersunk M12x40** bolts. |
| 2 | U-Head Type B | 8.5 | U-Head compatible with Standard props to support a 180mm wide beam. |
| 3 | Wing Nut | 0.4 | Secures 15mm Tie Bar. |
| 4 | Washer Plate | 0.9 | Used in conjunction with the Wing Nut to secure 15mm Tie Bar |
| 5 | Prop Pivot Tube | 1.8 | Secures the Spade End Link into the web hole of a Soldier |
| 6 | Tilt Plate | 4.8 | Used to connect Heavy Duty Push / Pull props to a concrete base. |
| 7 | Porthole Bearing | 5.0 | Sits within the web hole of a Soldier to allow a diagonal Tie Bar connection |
| 8 | T-Connection | 1.5 | Connects to the bolt hole in the web of a Soldier unit to secure a standard Push / Pull prop. |
| 9 | Anchor Plate | 7.3 | Connects to a Soldier section using 4no **Countersunk M16x40** bolts to allow fixing to a concrete slab. |

Site Equipment Limited

**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

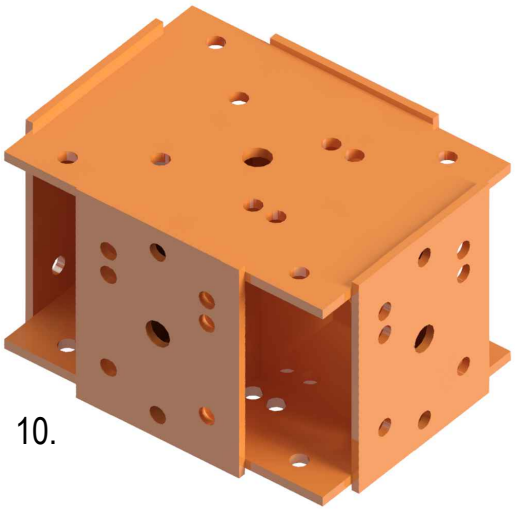
**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

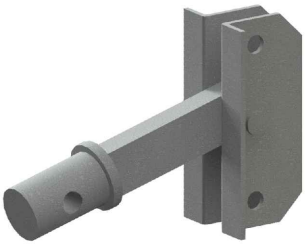
www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

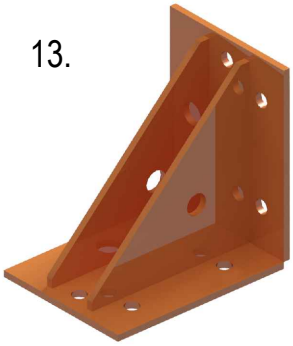
# Slimshore Information Sheet

## Slimshore Ancillary Components












| Ancillary Components | | | |
|---|---|---|---|
| **No.** | **Description** | **Weight (kg)** | **Comments** |
| 10 | 6-Way Connector | 24.9 | Allows connection of Slimshore Soldiers and other components at a junction. |
| 11 | Corner Pivot | 7.3 | Used in conjunction with a Prop Pivot Tube & Pin to connect to the main holes along a Slimshore Soldier. Can be tilted up to 15° from the perpendicular soldier. SWL = +/- 65kN. |
| 12 | 100kN Connector | 6.8 | Allows for an increased push/pull capacity when connected to a Slimshore Soldier with **M20 Bolts**. See 'Heavy Duty Push/Pull' overleaf - replaces the Spade End Link & Prop Pivot Tube. |
| 13 | 90° Corner | 8.7 | Used to connect the end plates of two Slimshore Soldiers at 90°. Can Also be used to allow connection of a push/pull at the end of a soldier. |
| 14 | 152x152x37 Needle Beam | 92.5 | 2.5m Long beam used for Needling applications when supported by suitable props. See loading charts on page 13. |
| 15 | 203x203x46 Needle Beam | 165.0 | 3.0m Long beam used for heavier applications and supported by suitable props. See loading charts on page 13. |
| 16 | Access Bracket | 6.7 | Connects to the bolt hole in the web of a Soldier unit utilising a captive fixing. The bracket provides support for scaffold boards and scaffold tube edge barriers. |

Site Equipment Limited

**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

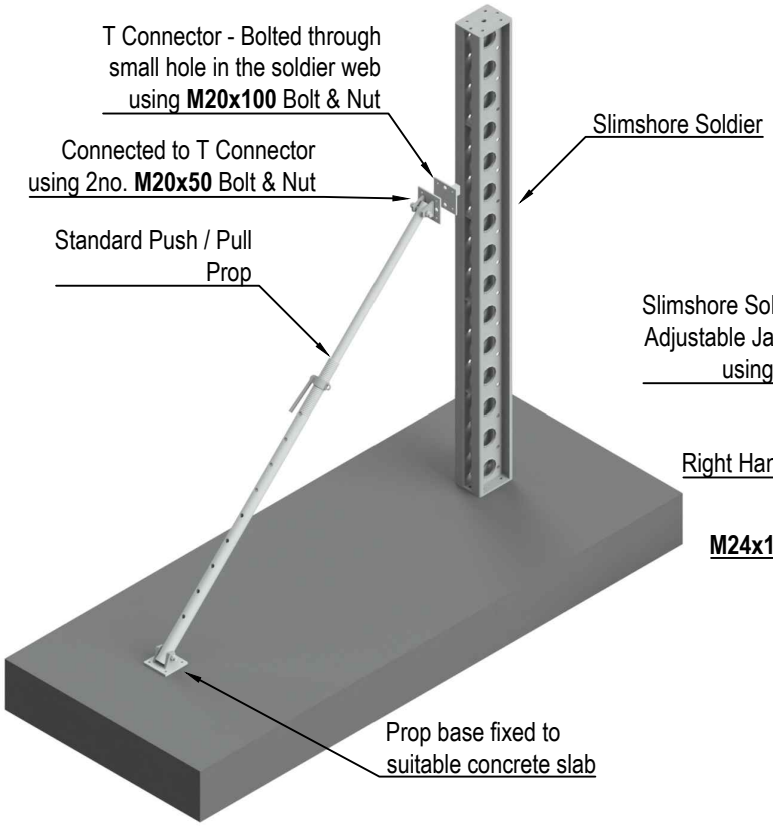
**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

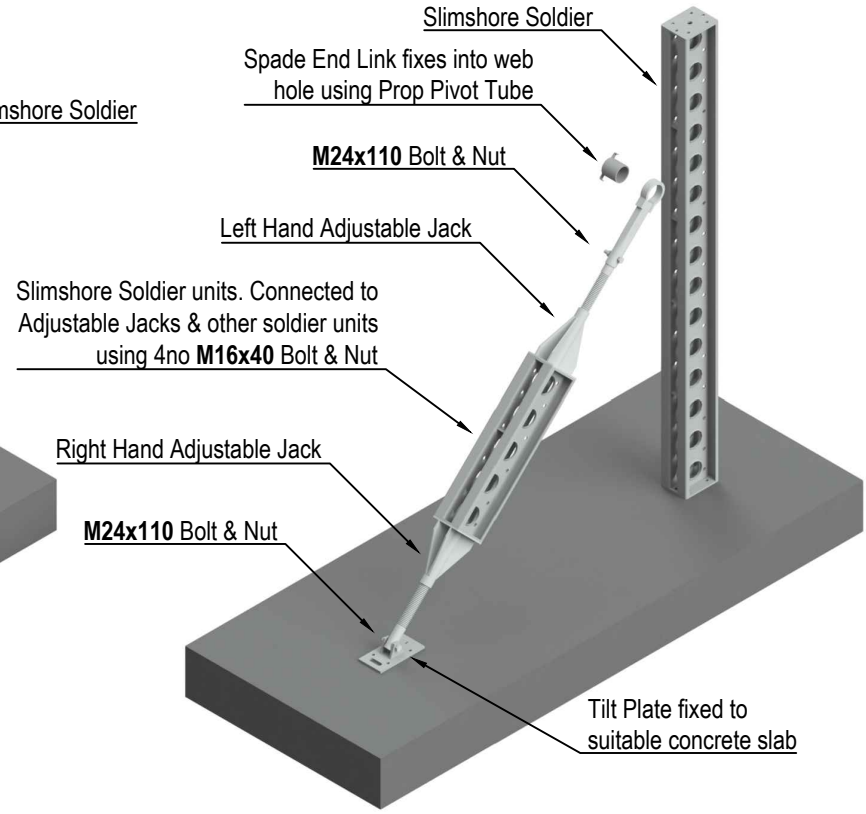
www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

# Slimshore Information Sheet

## Slimshore Push / Pull Prop Types




Light Duty Push / Pull
Standard Props




Heavy Duty Push / Pull
Slimshore Units

## Light Duty Push / Pull Prop Capacities

For general light usage of push/pull props and standard props, please see the below table. The information is based on standard adjustable steel props as defined by BS 4074.

| Prop No. | Dimensions | | Permissible Load - Concentric loading & Max. 1.5° out of plumb | Weight - Prop Type | Weight - Push/Pull Type |
|---|---|---|---|---|---|
| | Closed | Open | | | |
| | m | m | kN | kg | kg |
| 0 | 1.07 | 1.82 | 35 | 13.0 | 15.8 |
| 1 | 1.75 | 3.12 | 18 | 18.6 | 23.0 |
| 2 | 1.98 | 3.35 | 16 | 19.6 | 24.0 |
| 3 | 2.59 | 3.96 | 12 | 22.3 | 27.0 |
| 4 | 3.20 | 4.87 | 10 | 26.4 | 31.6 |

For heavy duty usage using Slimshore Soldier units, most typical applications will be limited by the **65kN Spade End Link** capacity. The 100kN Connector is available to increase this to +/- 100kN. For further information and advice please contact Site Equipment Ltd.

Site Equipment Limited

**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

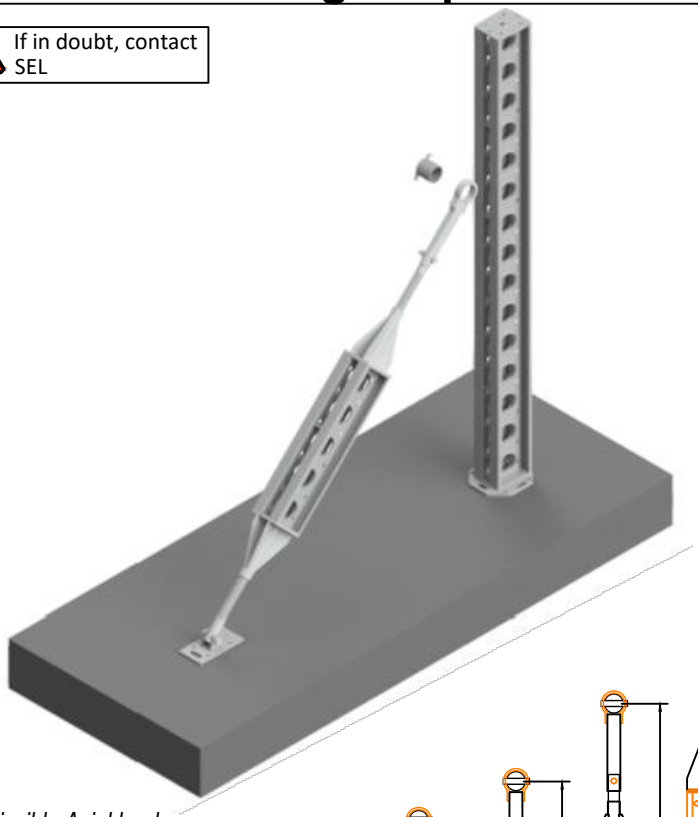
**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

# Slimshore Information Sheet

## Slimshore Raking Prop - Tilt Plate + Spade End Links

If in doubt, contact SEL



Slimshore raking struts can be used between a concrete slab or wall and a soldier, in horizontal bracing positions or as an upright raking strut. Typical uses include formwork backing, supporting existing structures and providing lateral support.
For longer struts please contact SEL for advice.

All joints to use 4no. M16x40 Bolts.

Maximum tensile capacity 65kN axially.




| Prop No. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Kit Code* | | *TS_01* | *TS_02* | *TS_03* | *TS_04* | *TS_05* | *TS_06* | *TS_07* | *TS_08* | *TS_09* | *TS_10* | *TS_11* | *TS_12* | *TS_13* |
| Dimensions (floor/c) | Min (m) | 1.230 | 1.590 | 1.950 | 2.130 | 2.490 | 2.850 | 3.030 | 3.390 | 3.750 | 3.930 | 4.290 | 4.650 | 4.830 |
| | Max (m) | 1.690 | 2.050 | 2.410 | 2.590 | 2.950 | 3.310 | 3.490 | 3.850 | 4.210 | 4.390 | 4.750 | 5.110 | 5.290 |
| Permissible Axial Load - Y-Y Axis (kN) | | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| Permissible Axial Load - Z-Z Axis (kN) | | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| Weight (kg) | | 41.0 | 53.0 | 59.9 | 63.2 | 75.2 | 82.0 | 80.0 | 92.0 | 98.8 | 96.6 | 108.5 | 115.3 | 113.6 |

**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

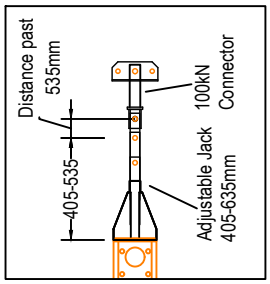
**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

# Slimshore Information Sheet

## Slimshore Raking Prop - Tilt Plate + 100kN Connectors

If in doubt, contact SEL






Slimshore raking struts can be used between a concrete slab or wall and a soldier, in horizontal bracing positions or as an upright raking strut. Typical uses include formwork backing, supporting existing structures and providing lateral support.
For longer struts please contact SEL for advice.

All joints to use 4no. M16x40 Bolts.

Maximum tensile capacity 90kN* axially.




| Prop No. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Kit Code* | | *T100_01* | *T100_02* | *T100_03* | *T100_04* | *T100_05* | *T100_06* | *T100_07* | *T100_08* | *T100_09* | *T100_10* | *T100_11* | *T100_12* | *T100_13* |
| Dimensions (floor/c) | Min (m) | 1.190 | 1.550 | 1.910 | 2.090 | 2.450 | 2.810 | 2.990 | 3.350 | 3.710 | 3.890 | 4.250 | 4.610 | 4.790 |
| | Max (m) | 1.650 | 2.010 | 2.370 | 2.550 | 2.910 | 3.270 | 3.450 | 3.810 | 4.170 | 4.350 | 4.710 | 5.070 | 5.250 |
| Permissible Axial Load - Jack Extension 405-535mm (kN) | | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| Permissible Axial Load - Jack Extension 535-635mm (kN) | | Permissible Axial Load (kN) = 90kN - (0.14 x Distance past 535mm)<br>e.g. Jack Extension = 600mm. 90 – (0.14 x 65) = 81kN | | | | | | | | | | | | |
| Weight (kg) | | 39.1 | 51.1 | 58.0 | 61.3 | 73.3 | 80.1 | 78.1 | 90.1 | 96.9 | 94.7 | 106.6 | 113.4 | 111.7 |

Site Equipment Limited

**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

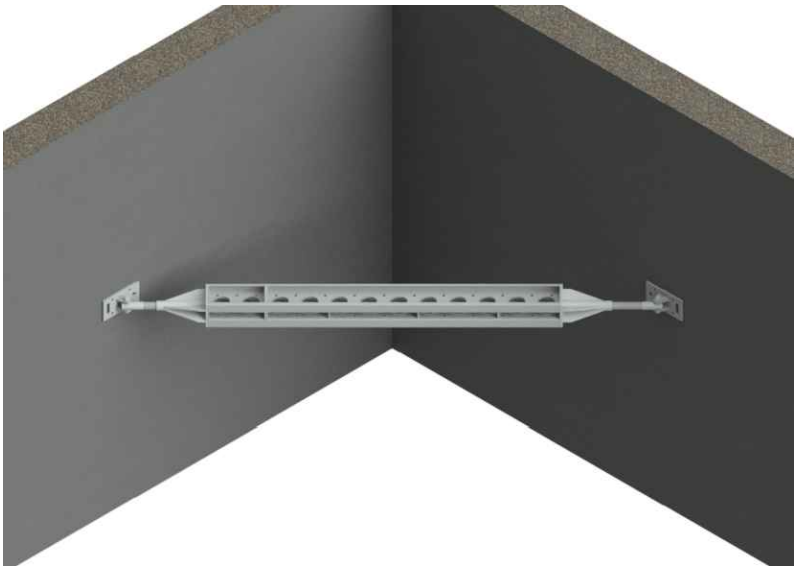
**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

# Slimshore Information Sheet

## Slimshore Raking Prop - Tilt Plates Both Ends



Slimshore raking struts can be used between two soldiers, in horizontal bracing positions or as an upright raking strut. Typical uses include supporting existing structures and providing lateral support.
For longer struts please contact SEL for advice.

All joints to use 4no. M16x40 Bolts.

Maximum tensile capacities as table below.

If in doubt, contact SEL




| Prop No. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Kit Code* | | *TT_01* | *TT_02* | *TT_03* | *TT_04* | *TT_05* | *TT_06* | *TT_07* | *TT_08* | *TT_09* | *TT_10* | *TT_11* | *TT_12* | *TT_13* |
| Dimensions (c/c) | Min (m) | 0.934 | 1.294 | 1.654 | 1.834 | 2.194 | 2.554 | 2.734 | 3.094 | 3.454 | 3.634 | 3.994 | 4.354 | 4.534 |
| | Max (m) | 1.394 | 1.754 | 2.114 | 2.294 | 2.654 | 3.014 | 3.194 | 3.554 | 3.914 | 4.094 | 4.454 | 4.814 | 4.994 |
| Permissible Axial Load - Tilt Plate fixed with 2no M24 Anchors (kN) | | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| Permissible Axial Load - Tilt Plate fixed with 4no M16 Anchors (kN) | | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| Weight (kg) | | 43.1 | 55.1 | 62.0 | 65.3 | 77.3 | 84.1 | 82.1 | 94.1 | 100.9 | 98.7 | 110.6 | 117.4 | 115.7 |

Site Equipment Limited

**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

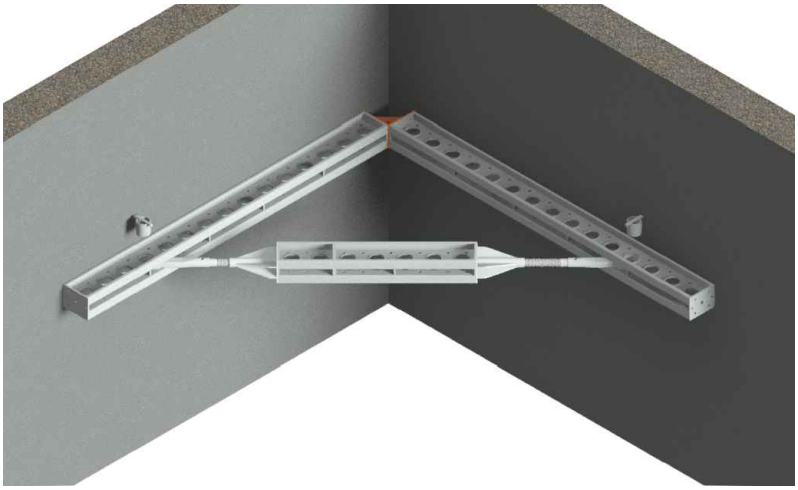
**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

# Slimshore Information Sheet

## Slimshore Raking Prop - Spade End Links



Slimshore raking struts can be used between two soldiers, in horizontal bracing positions or as an upright raking strut. Typical uses include supporting existing structures and providing lateral support.
For longer struts please contact SEL for advice.

All joints to use 4no. M16x40 Bolts.

Maximum tensile capacity 65kN axially.

If in doubt, contact SEL




| Prop No. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Kit Code* | | *SS_01* | *SS_02* | *SS_03* | *SS_04* | *SS_05* | *SS_06* | *SS_07* | *SS_08* | *SS_09* | *SS_10* | *SS_11* | *SS_12* | *SS_13* |
| Dimensions (c/c) | Min (m) | 1.527 | 1.887 | 2.247 | 2.427 | 2.787 | 3.147 | 3.327 | 3.687 | 4.047 | 4.227 | 4.587 | 4.947 | 5.127 |
| | Max (m) | 1.987 | 2.347 | 2.707 | 2.887 | 3.247 | 3.607 | 3.787 | 4.147 | 4.507 | 4.687 | 5.047 | 5.407 | 5.587 |
| Permissible Axial Load - Y-Y Axis (kN) | | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| Permissible Axial Load - Z-Z Axis (kN) | | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| Weight (kg) | | 41.0 | 53.0 | 59.9 | 63.2 | 75.2 | 82.0 | 80.0 | 92.0 | 98.8 | 96.6 | 108.5 | 115.3 | 113.6 |

Site Equipment Limited

**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

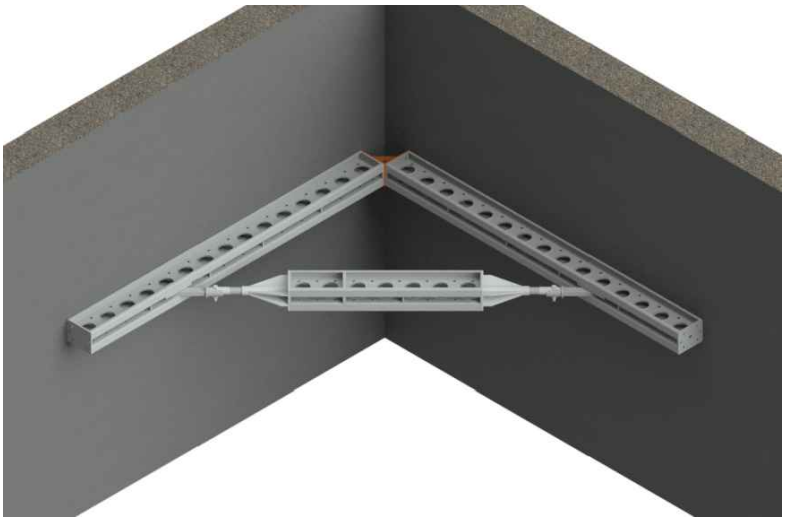
**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

# Slimshore Information Sheet

## Slimshore Raking Prop - 100kN + 100kN Connectors

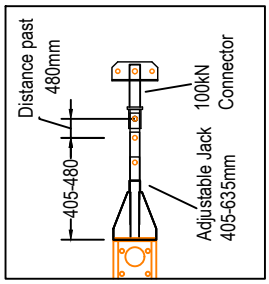


Slimshore raking struts can be used between two soldiers, in horizontal bracing positions or as an upright raking strut. Typical uses include supporting existing structures and providing lateral support.
For longer struts please contact SEL for advice.

All joints to use 4no. M16x40 Bolts.

Maximum tensile capacities as below table.

If in doubt, contact SEL




*Permissible Axial loads allow for a maximum eccentricity of 10mm.*




| Prop No. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Kit Code* | | *1010_01* | *1010_02* | *1010_03* | *1010_04* | *1010_05* | *1010_06* | *1010_07* | *1010_08* | *1010_09* | *1010_10* | *1010_11* | *1010_12* | *1010_13* |
| Dimensions (c/c) | Min (m) | 1.446 | 1.806 | 2.166 | 2.346 | 2.707 | 3.066 | 3.246 | 3.606 | 3.966 | 4.146 | 4.506 | 4.866 | 5.046 |
| | Max (m) | 1.906 | 2.266 | 2.626 | 2.806 | 3.166 | 3.526 | 3.706 | 4.066 | 4.426 | 4.606 | 4.966 | 5.326 | 5.506 |
| Permissible Axial Load - Jack Extension 405-480mm (kN) | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 90.0 | 85.0 |
| Permissible Axial Load - Jack Extension 480-635mm (kN) | | Permissible Axial Load (kN) = 100kN - (0.14 x Distance past 480mm (D))<br>e.g. Jack Extension = 550mm: 100 – (0.14 x 70) = 90.5kN | | | | | | | | | | | 77.0 | 77.0 |
| Weight (kg) | | 41.1 | 53.1 | 60.0 | 63.3 | 75.3 | 82.1 | 80.1 | 92.1 | 98.9 | 96.7 | 108.6 | 115.4 | 113.7 |

Site Equipment Limited

**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

# Slimshore Information Sheet

## Slimshore Adjustable Prop

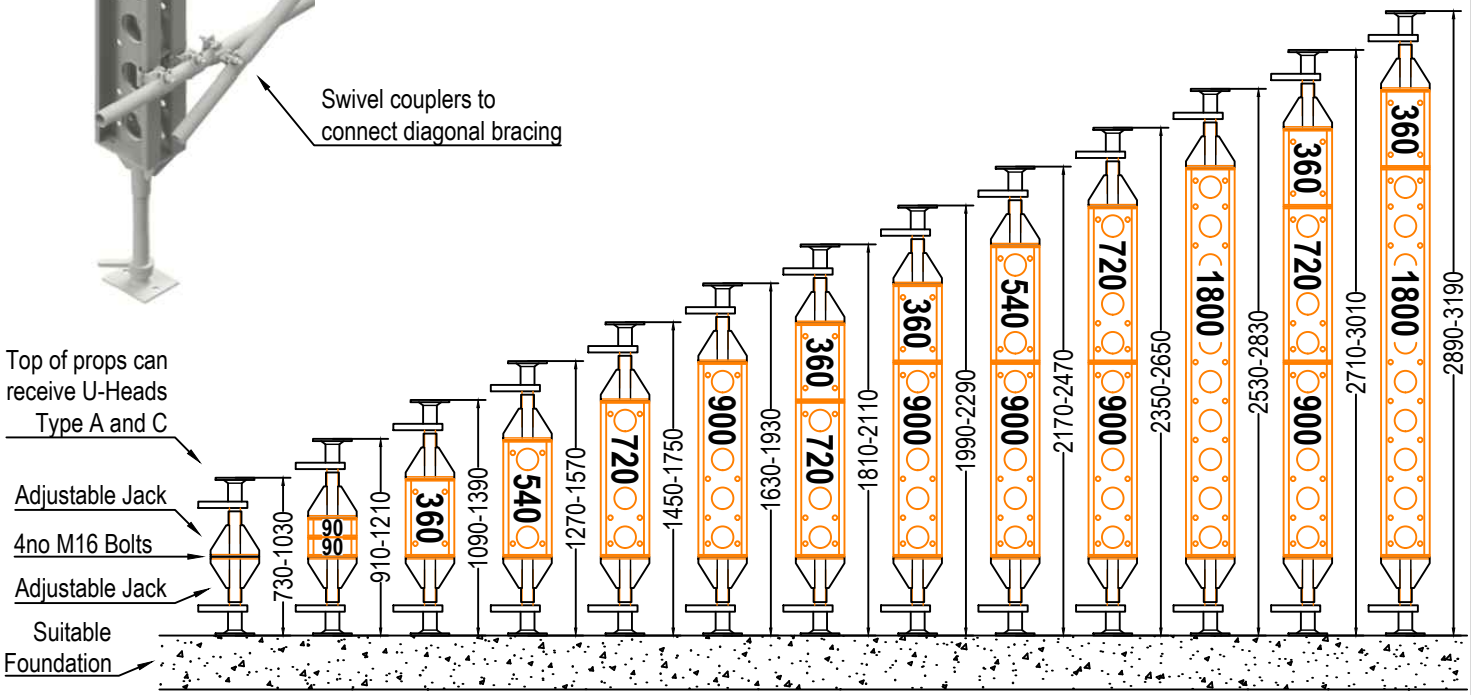

Slimshore Adjustable Props to be used for vertical applications, usually braced laterally using scaffold tubes connected to the soldiers using 2no Gravlocks per intersection. Typical uses include supporting existing structures (dead propping) and supporting the underside of Needle beams for Propping & Needling applications.

For longer struts please contact SEL for advice. Additional 90mm Packer pieces can be added in to any prop for increased flexibility.

All joints to use 4no. M16x40 Bolts.

Slimshore Adjustable Props must NOT be used in tension.

If in doubt, contact SEL




| Prop No. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Kit Code* | | *AP_01* | *AP_02* | *AP_03* | *AP_04* | *AP_05* | *AP_06* | *AP_07* | *AP_08* | *AP_09* | *AP_10* | *AP_11* | *AP_12* | *AP_13* |
| Dimensions (c/c) | Min (m) | 0.730 | 0.910 | 1.090 | 1.270 | 1.450 | 1.630 | 1.810 | 1.990 | 2.170 | 2.350 | 2.530 | 2.710 | 2.890 |
| | Max (m) | 1.030 | 1.210 | 1.390 | 1.570 | 1.750 | 1.930 | 2.110 | 2.290 | 2.470 | 2.650 | 2.830 | 3.010 | 3.190 |
| Permissible Axial Load (kN) - Prop unrestrained, maximum eccentricity 10mm | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Permissible Axial Load (kN) - Buckling about the weak axis (z-z) controlled using scaffold lacing | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Weight (kg) | | 38.2 | 53.0 | 50.2 | 53.5 | 57.0 | 60.3 | 69.1 | 72.4 | 75.7 | 79.2 | 77.1 | 91.2 | 89.2 |

Site Equipment Limited

**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

# Slimshore Information Sheet

## Slimshore Adjustable Prop

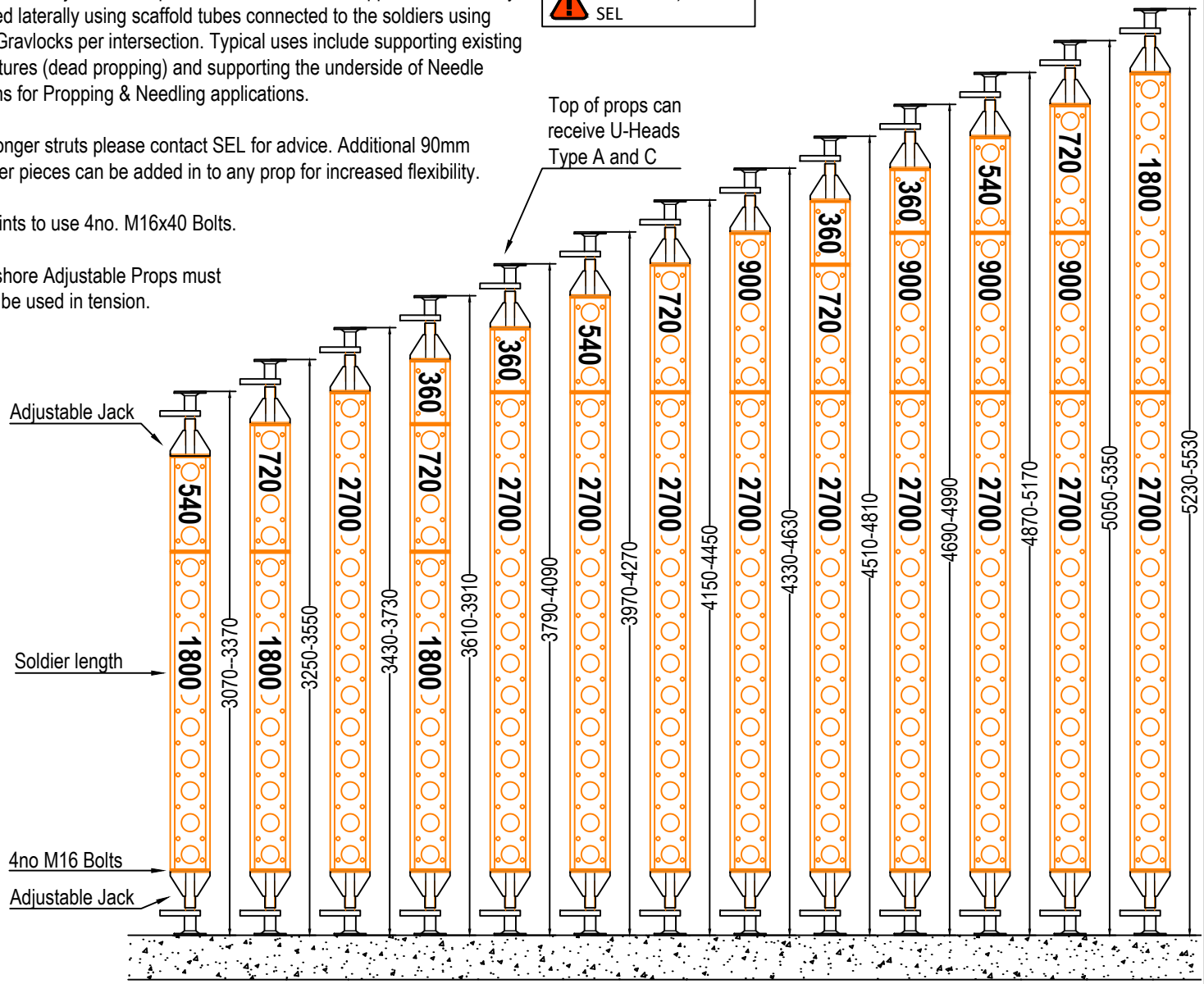
Slimshore Adjustable Props to be used for vertical applications, usually braced laterally using scaffold tubes connected to the soldiers using 2no Gravlocks per intersection. Typical uses include supporting existing structures (dead propping) and supporting the underside of Needle beams for Propping & Needling applications.

For longer struts please contact SEL for advice. Additional 90mm Packer pieces can be added in to any prop for increased flexibility.

All joints to use 4no. M16x40 Bolts.

Slimshore Adjustable Props must NOT be used in tension.

If in doubt, contact SEL




| Prop No. | | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Kit Code* | | *AP_14* | *AP_15* | *AP_16* | *AP_17* | *AP_18* | *AP_19* | *AP_20* | *AP_21* | *AP_22* | *AP_23* | *AP_24* | *AP_25* | *AP_26* |
| Dimensions (c/c) | Min (m) | 3.070 | 3.250 | 3.430 | 3.610 | 3.790 | 3.970 | 4.150 | 4.330 | 4.510 | 4.690 | 4.870 | 5.050 | 5.230 |
| | Max (m) | 3.370 | 3.550 | 3.730 | 3.910 | 4.090 | 4.270 | 4.450 | 4.630 | 4.810 | 4.990 | 5.170 | 5.350 | 5.530 |
| Permissible Axial Load (kN) - Prop unrestrained, maximum eccentricity 10mm | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.0 | 88.0 | 85.0 |
| Permissible Axial Load (kN) - Buckling about the weak axis (z-z) controlled using scaffold lacing | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Weight (kg) | | 92.5 | 96.0 | 93.7 | 108.0 | 105.8 | 109.0 | 112.6 | 115.9 | 124.7 | 128.0 | 131.3 | 134.8 | 132.7 |

Site Equipment Limited

**BRISTOL**
0117 982 8236
St. Andrews Road
Avonmouth
Bristol
**BS11 9HS**

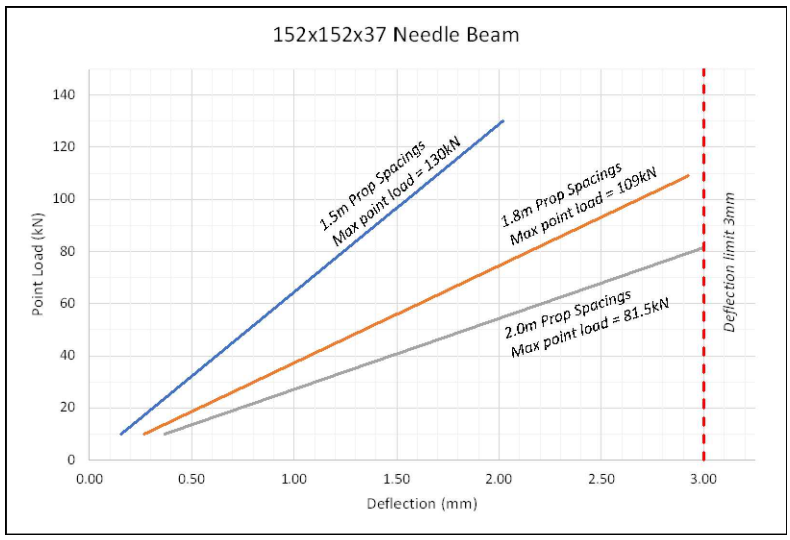
**CARDIFF**
01443 844 713
B18 Ford Road
Riverside Industrial Estate
Cardiff
**CF37 5TG**

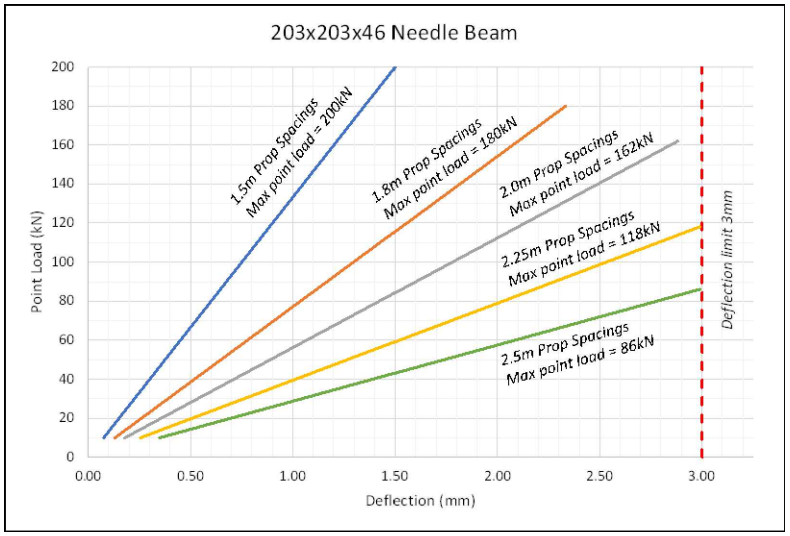
**LONDON**
020 7127 8002
Donkey Lane
West Drayton
London
**UB7 7EG**

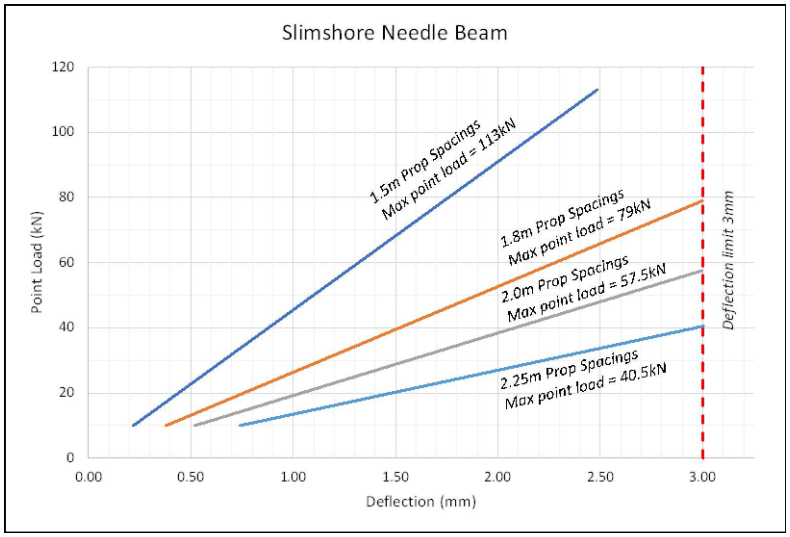
www.siteequipment.co.uk
enquiries@siteequipment.co.uk
V1.3 (05.23)

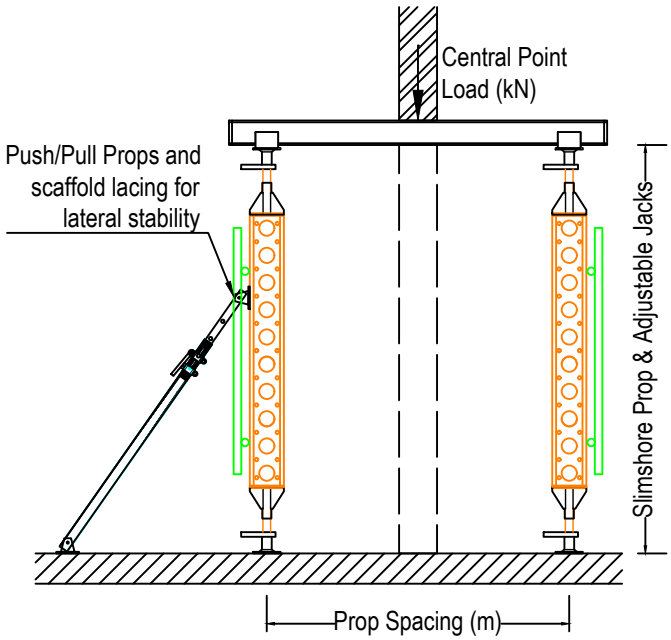
# Slimshore Information Sheet

## Needle Beam Loading Charts




Typical Arrangement

The above diagram shows a typical cross section of a Propping & Needling system. In good condition masonry, needles can be spaced at 1.0m centre-centre.

Suitable foundations must be provided. The bearing capacity of the supported masonry must be considered. In high load situations, the needle centres may need to be reduced. Consult a Structural Engineer for further advice.

The loading charts show permissible central point loads on the Needle only at various typical prop spacings, and are limited to:
a) Needle deflection of 3.0mm, which is generally considered satisfactory in masonry. Please note that in heavily loaded situations, an additional consideration of prop shortening and foundation settlement may need to be considered.
b) Maximum point loads as stated at each prop spacing
c) Permissible Bending Moment of the needle

If in doubt, contact SEL