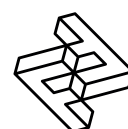


FACTORY FURNITURE



Util Bench, Seat & Chair

OPERATION & MAINTENANCE MANUAL



Introduction

Design

Design, shop drawings and development by
Factory Furniture Ltd.

Manufacture

Factory Furniture manufactured components. Products are assembled in Factory workshops, checked and dispatched ready for installation. Replacement products or components thereof should be ordered direct from Factory Furniture Ltd.

Copyright

The design copyright for the product and drawing copyright remains the sole property of Factory Furniture Ltd.

General Specifications

Bench

Metric length 1800mm | width 470mm | height 450mm*

Imperial length 5' 11" | width 1' 6½" | height 1' 5½"

*Not including +100mm below ground level for sub-surface fix option

Approx Weight 33kg

Fixing Centres 1760mm (5' 9½") x 340mm (1' 1½")

Seat (arm option available)

Metric length 1800mm | width 550mm | height 890mm*

Imperial length 5' 11" | width 1' 9½" | height 2' 11"

*Not including +100mm below ground level for sub-surface fix option

Approx Weight 57kg (61kg with arms)

Fixing Centres 1760mm (5' 9½") x 410mm (1' 4")

Chair (arm option available)

Metric length 580mm | width 550mm | height 890mm*

Imperial length 1' 11" | width 1' 9½" | height 2' 11"

*Not including +100mm below ground level for sub-surface fix option

Approx Weight 24kg (27kg with arms)

Fixing Centres 540mm (1' 9½") x 410mm (1' 4")

Detailed Material & Finish Specifications

Seat & Back Slats

- Manufactured from FSC® certified tropical hardwood (*other FSC timber options available upon request*).
- Profiled and left untreated as standard (*oil or microporous woodstain treatment available on request*)

- Supported on frame and attached with 8 no. fixing points per slat (4 no. per slat for chair)



Frame (including arms if supplied)

- Manufactured from stainless steel square section tubing with satin polished finish
- Anchored using 4 no. zinc-coated M10 x 75mm sleeve anchors per bench, seat / chair (1 no. per leg)

General Maintenance

(Recommended Schedule & Guidelines)

Daily/Weekly/Monthly (or as adopted)

Visual checks of slats and frame - check all items for superficial or physical damage.

Three Monthly

Clean all items as detailed below check all fixings are seated correctly; inspect timber for serious damage and splinters.

Six Monthly

Secure all fixings; full clean as detailed below; check that bench, seat / chair is firmly secured to the ground.

Specific Maintenance Details

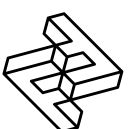
FSC Timber

Clean with a stiff brush once per year, especially in more exposed locations, in order to prevent a verdigris type build up on the timber surface. Ideally this should be completed in early spring. During the cleaning stage, all exposed timber surfaces should be inspected for splits and splinters. Any splinters and graffiti should be removed and the surface sanded with 100 grit sandpaper in order to remove any uneven / sharp edges or surfaces.

During the first few months after installation the tannin naturally occurring in the timber may leach out and cause a brown staining on the bases. This may be removed with a light solution of household bleach and water.

Stainless Steel (polished stainless steel only)

Clean as required, but at least every three months, using a stainless steel polish and a lint free cloth. To remove ground in dirt, a stainless steel finishing pad may be required.



Repairs

FSC Timber

For light damage, please see section on specific maintenance details above. For instances of heavy damage, the timber item should be replaced. Please order against the part number reference in the reordering section towards the end of this manual.

Stainless Steel

Light damage (surface scratches etc.) can be removed using an emery pad (240 grit) and freeing oil such as 'WD40'. Care should be taken to follow the direction of the brushing grain. It is recommended that a trial repair be carried out on an unimportant surface first. No corrosive cleaners or other abrasives should be used. Any contamination, particularly carbon steel scuffs from vehicles, should be quickly removed to avoid corrosion.

Heavy Damage

In the event of serious damage to any component, replacements should be ordered from Factory Furniture Ltd. In this event (or if the product needs to be disassembled for any reason), please contact Factory Furniture for detailed technical advice.

Reordering / Spares

(Part No. & Item Description)

P1014 / 01

1 no. Util seat slat set (10 slats in total)

P1014 / 02

1 no. Util chair slat set (10 slats in total)

P1015 / 01

1 no. Util bench slat set (5 slats in total)

Instructions For Reordering

If possible, please specify job name or number at the time of reordering to enable identification of details such as the original species of timber used, stainless steel finishes and polyester powder coat colours etc. In any event where either, additional orders are required, or spares and replacements are required please contact Factory Furniture Ltd. Using the part numbers given above as reference should help us to process your enquiry more efficiently.

Note - All fittings required to assemble ordered parts will automatically be included in the order

AutoCAD Drawing List

FF1014 / 01

UTIL SEAT
GENERAL ARRANGEMENT DRAWING

FF1014 / 02

UTIL SEAT
X-SECTION DRAWINGS

FF1014 / 03

UTIL SEAT
TIMBER PARTS DRAWINGS

FF1014 / 04

UTIL CHAIR
STEEL PARTS DRAWINGS

FF1015 / 01

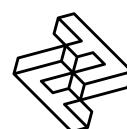
UTIL BENCH
FRAME FABRICATION DRAWING

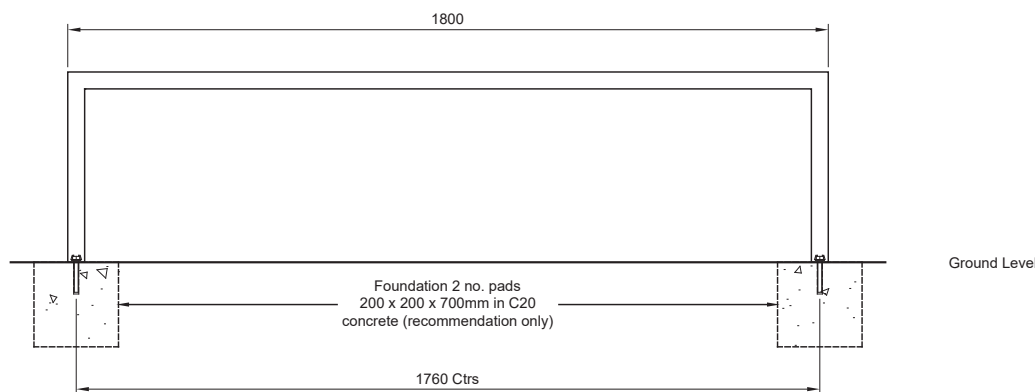
FF1015 / 02

UTIL BENCH
SET OUT DRAWINGS

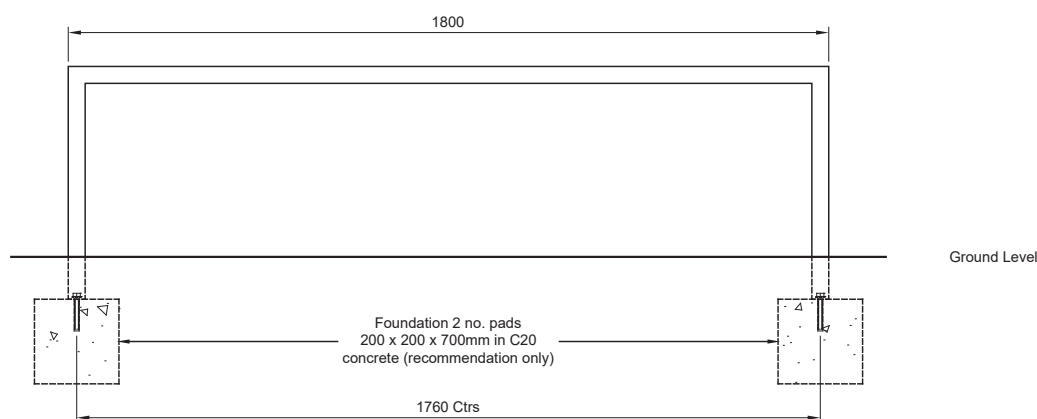
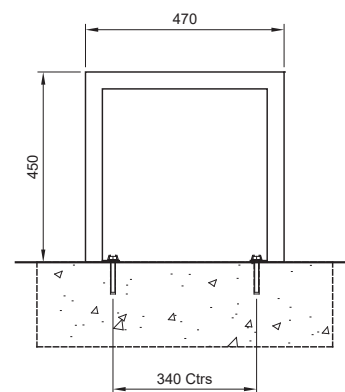
FF1015 / 03

UTIL BENCH
SLAT TEMPLATE DRAWINGS

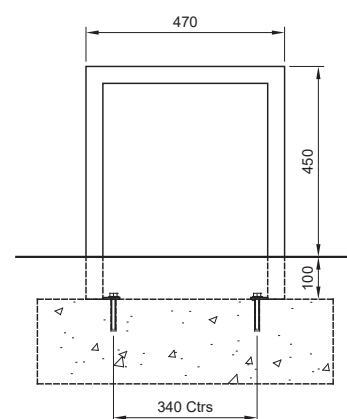




Bench (Surface Fix)



Bench (Sub-surface Fix)



Installation Instructions

All installation works to be carried out by competent personnel - install as complete unit.

Util Bench

(Surface & sub-surface fix options)

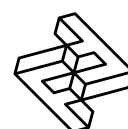
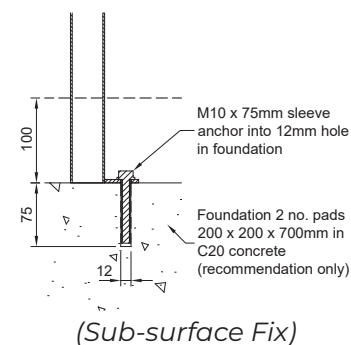
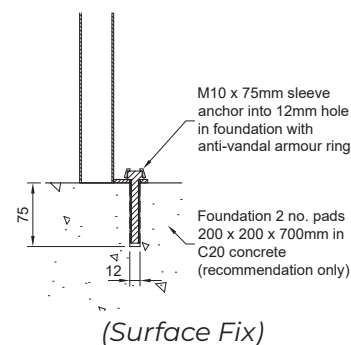
1. Install suitable foundation pads (see illustration) each with top face at ground level (or with top face 100mm below ground level for sub-surface fix)
2. Position bench in correct orientation with bases centrally on foundation pads; then mark hole positions through fixing lugs.
3. Remove the bench; drill holes Ø12mm x 75mm deep (or as bolt manufacturer's recommendations).
4. Clear debris from holes.
5. Reposition bench unit and fix to

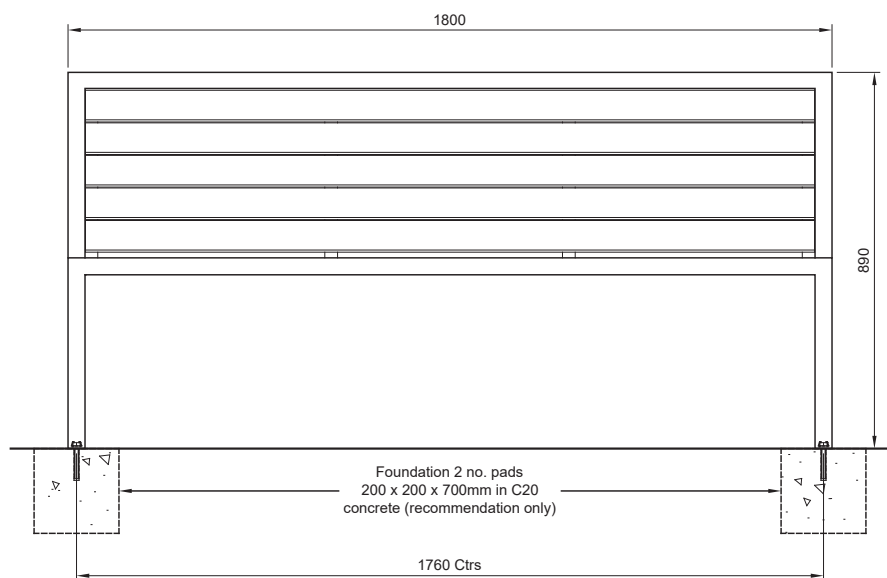
foundation pads using 4 no. zinc-coated M10 x 75mm sleeve anchors tightened to 50Nm (or as per manufacturer's instruction). Ensure bench remains level during fixing process.

6. (****Surface fix only****) Hammer an anti-vandal armour ring over each bolt head to prevent tampering.
7. Check level (and reinstate ground level if necessary - sub-surface fix)

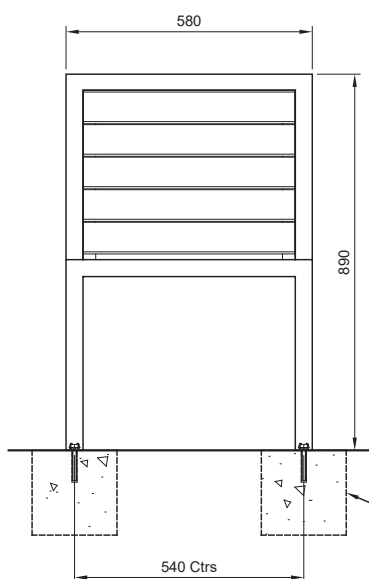
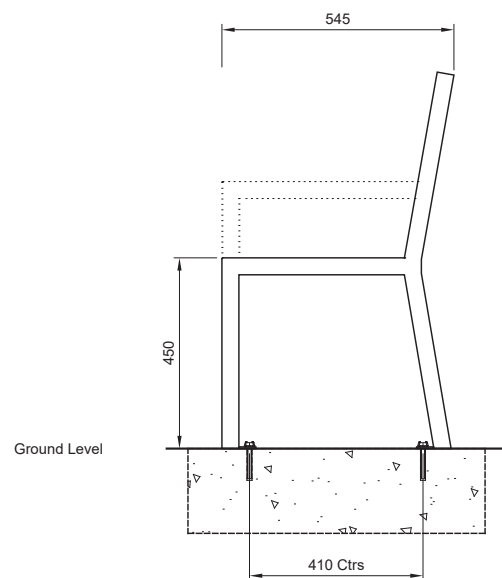
IMPORTANT NOTE

Ensure that stainless steel is protected during site cutting of stone – contamination from disc cutters will produce corrosion on stainless steel components.

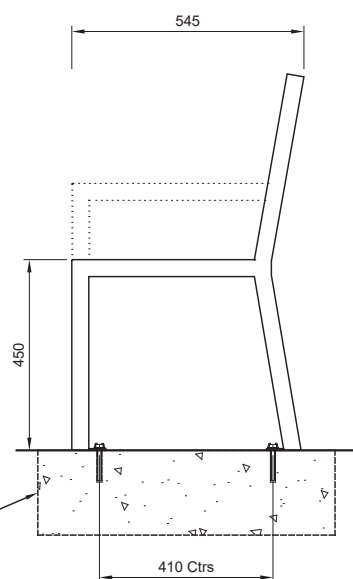




Seat (Surface Fix)



Chair (Surface Fix)



Installation Instructions

All installation works to be carried out by competent personnel - install as complete unit.

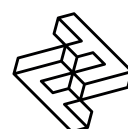
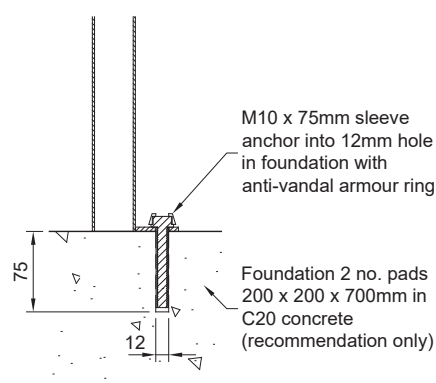
Util Seat / Chair (Surface fix option)

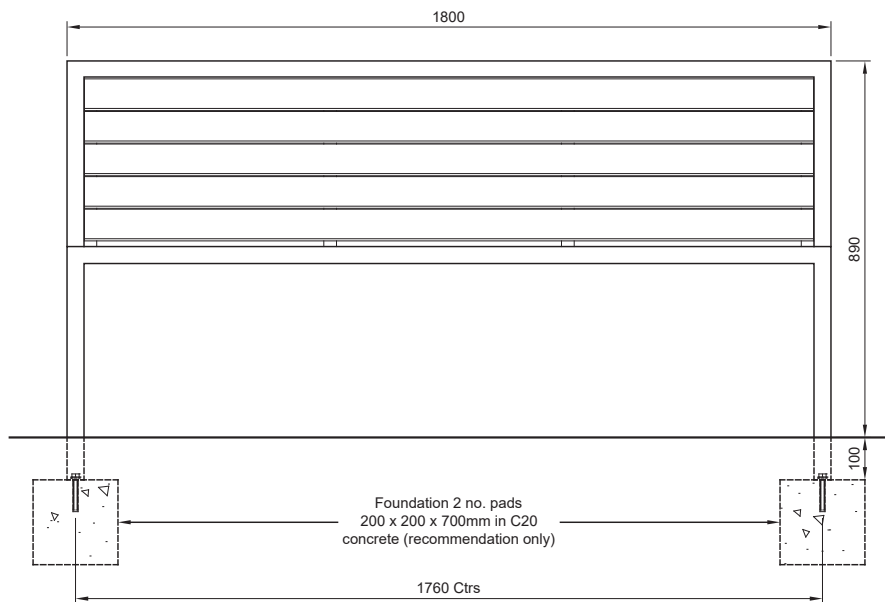
1. Install suitable foundation pads (see illustration) each with top face at ground level
2. Position bench in correct orientation with bases centrally on foundation pads; then mark hole positions through fixing lugs
3. Remove the bench; drill holes $\varnothing 12\text{mm} \times 75\text{mm}$ deep (or as bolt manufacturer's recommendations)
4. Clear debris from holes

5. Reposition bench unit and fix to foundation pads using 4 no. zinc-coated M10 x 75mm sleeve anchors tightened to 50Nm (or as per manufacturer's instruction). Ensure bench remains level during fixing process. Finally hammer an anti-vandal armour ring over each bolt head to prevent tampering
6. Check level

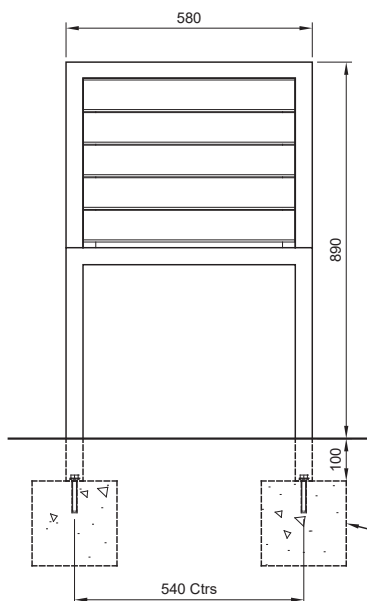
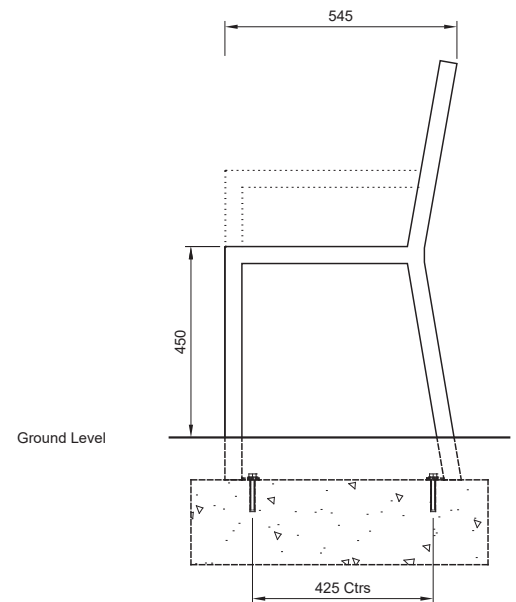
IMPORTANT NOTE

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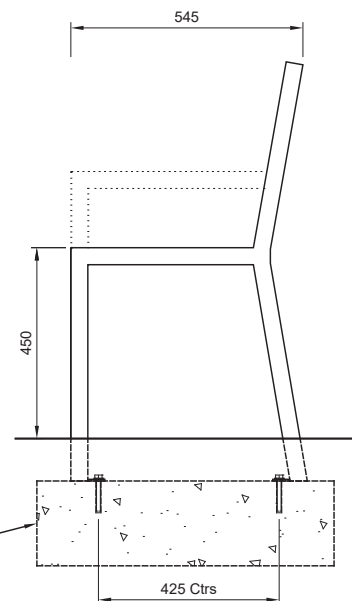




Seat (Sub-surface Fix)



Chair (Sub-surface Fix)



Installation Instructions

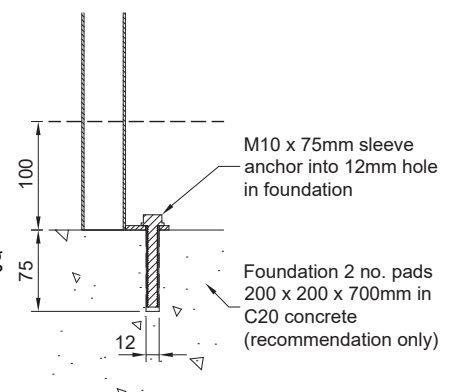
All installation works to be carried out by competent personnel - install as complete unit.

Util Seat / Chair (Sub-surface fix option)

1. Install suitable foundation pads (see illustration) each with top face 100mm below ground level
2. Position bench in correct orientation with bases centrally on foundation pads; then mark hole positions through fixing lugs
3. Remove the bench; drill holes Ø12mm x 75mm deep (or as bolt manufacturer's recommendations)
4. Clear debris from holes
5. Reposition bench unit and fix to foundation pads using 4 no. zinc-coated M10 x 75mm sleeve anchors tightened to 50Nm (or as per manufacturer's instruction). Ensure bench remains level during fixing process.
6. Check level and reinstate ground level if necessary

IMPORTANT NOTE

Ensure that stainless steel is protected during site cutting of stone – contamination from disc cutters will produce corrosion on stainless steel components.



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