

# FACTORY FURNITURE



TORD Bench

# 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 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.

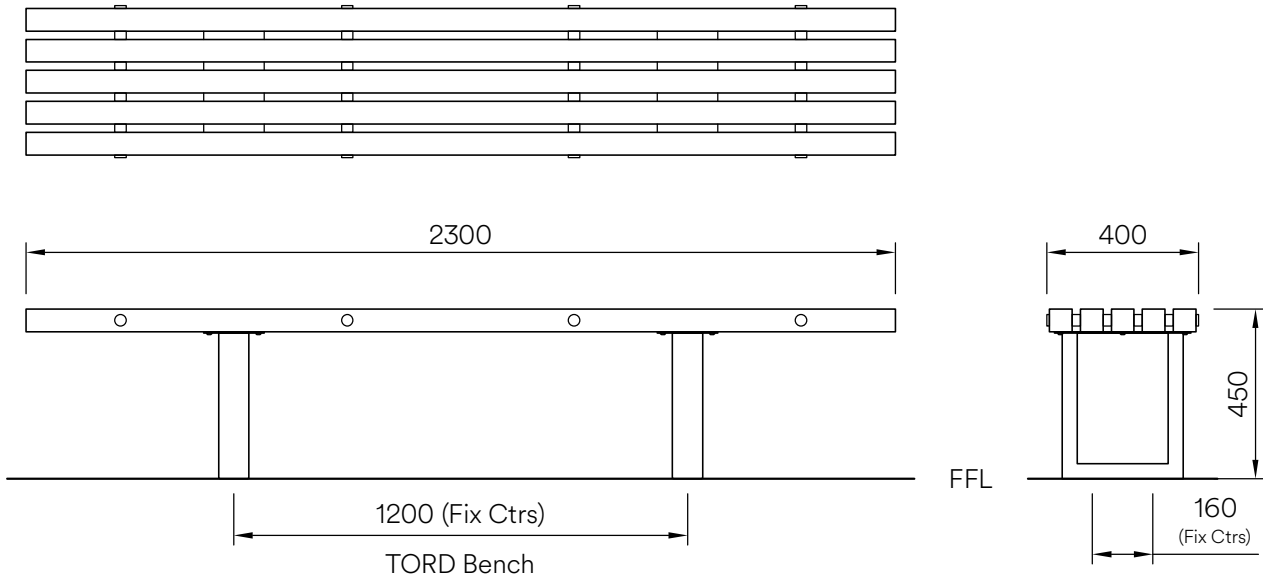
## Timber

All timber used in Factory Furniture products is FSC® certified



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## Composition

Slats - FSC® certified hardwood

Frame - Mild steel

## Finishes

Timber - Untreated sanded finish as standard

Mild steel - Hot-dip galvanised (polyester powder-coated finish available (colour as per client's specification))

## Dimensions

Metric L 2300mm | width 400mm | height 450mm

Imperial L 7' 6½" | width 1' 3½" | height 1' 5½"

## Approx weight

62kg

## Fixing centres & method

1200mm (3' 11") x 160mm (6½") - 4 off M10 x 160mm resin stud anchors

## Foundation

1 no. pad 400 x 400 x 400 mm in C20 concrete (recommendation only)

## Handling

Please observe health & safety lifting guidelines. A forklift or crane will be required for off-loading and positioning of this product.

## Maintenance

Depends on usage and position. All elements will require cleaning annually. Galvanised and powder coated mild steel only require maintenance if damaged.

\*Please note that when a powder-coat is applied over a hot dip galvanised surface pinholing can occur in the surface finish - this is not considered a defect.

# Detailed Material & Finish Specifications

## Slat Assembly

- Slats manufactured from FSC® certified hardwood. Slats are profiled, sanded and left untreated as standard.
- Slats assembled using aluminium endcaps, spacers and concealed stainless steel tie rods.
- Bolted onto 2 no. bases.

## Bases

- Manufactured from mild steel as standard (all welded fabrication) with a hot-dip galvanised finish (polyester powder coat available (colour as per customer specification)).
- Anchored using 4 no. M10 x 160mm resin stud anchors per bench.

## General Maintenance (Recommended Schedule & Guidelines)

### Daily/Weekly/Monthly (or as adopted)

Visual checks of slats and bases - 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 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.

### Galvanised & Polyester Powder Coated

For general cleaning using a damp cloth and warm soapy water only. Scourers and abrasive cleaners are NOT suitable for this type of finish and may damage it. Before using any cleaning agents to remove graffiti etc. try on a small, inconspicuous area first to avoid causing more unsightly damage.

### Stainless Steel (polished stainless steel only)

Clean as required, but at least every three months. For stainless use 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.

### Galvanised & Polyester Powder Coated Surfaces

For light damage (scratches, chips etc.) repair using touch-up paint to match original colour (available from Factory Furniture Ltd). Paint application should be carried out in accordance with approved methods detailed by the paint manufacturer. Please note that it is advisable to use professional painters to achieve best results when touching up larger areas. Products for respraying larger areas are available from Factory Furniture Ltd.

### Stainless Steel

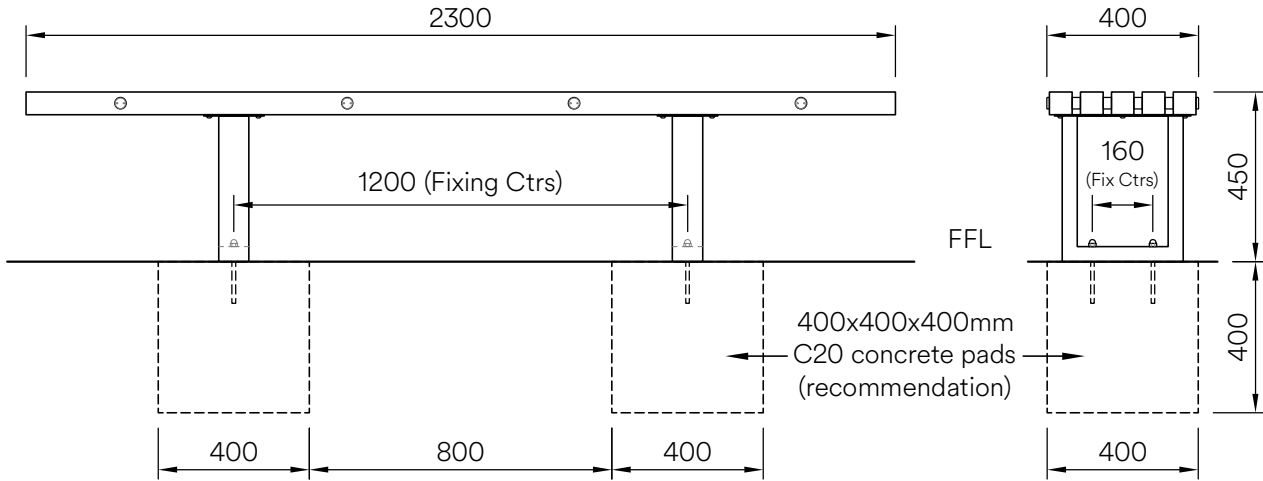
Light damage (surface scratches etc.) can be removed using an emery pad (240 grit) and freeing oil such as 'WD40'. Care should be taken to follow the direction of the brushing grain. It is recommended that a trial repair be carried out on an unimportant surface first. No corrosive cleaners or other abrasives 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. Should further assistance be required (or if the product needs to be disassembled for any reason), please contact Factory Furniture for detailed technical advice.

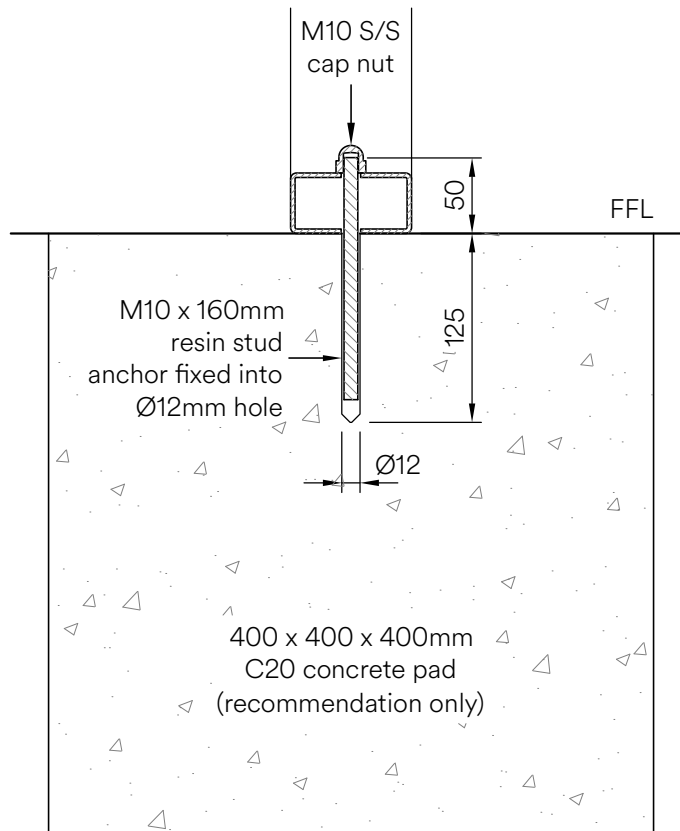
# Installation Instructions

ALL INSTALLATION WORKS TO BE CARRIED OUT BY COMPETENT PERSONNEL - INSTALL AS COMPLETE UNIT



## Tord Bench

1. Install suitable foundation pads (see illustration) each with top face at ground level.
2. Position bench in desired location with bases centred on foundation pads; mark base hole positions onto pads.
3. Remove the bench; drill holes  $\text{\O}12\text{mm}$  x 125mm deep (or as per manufacturer's recommendations).
4. Clear debris from holes.
5. Fill the holes to within approximately 35mm from the top with Hilti HY150 resin (or similar).
6. Screw capnuts onto M10 x 160mm resin anchor studs (leaving slack for final tightening)
7. Move bench back into position (if necessary use shims to level) and drop resin anchor studs with capnuts through base holes into resin - leave for two hours before proceeding.
8. Using a torque wrench, tighten capnuts onto bases to 20Nm to fasten down the bench
9. Check level.



# NBS Specification Data

## PRODUCT REFERENCE – FF1036-B – TORD BENCH

Description Bench with timber slats and mild steel bases  
Uniclass 2015 Category Pr\_40\_30\_29\_84 Street and site benches  
Design As per drawing: FF1036

### MANUFACTURER

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### MATERIAL

Slats FSC® certified hardwood  
Bases Mild steel

### FINISH

Timber Untreated sanded finish as standard  
Mild steel Hot-dip galvanised (option for polyester powder coat)

### SIZE

2300mm x 400mm x 450mm (LxWxH)

### FIXING

4 no. M10 x 160mm resin stud anchors