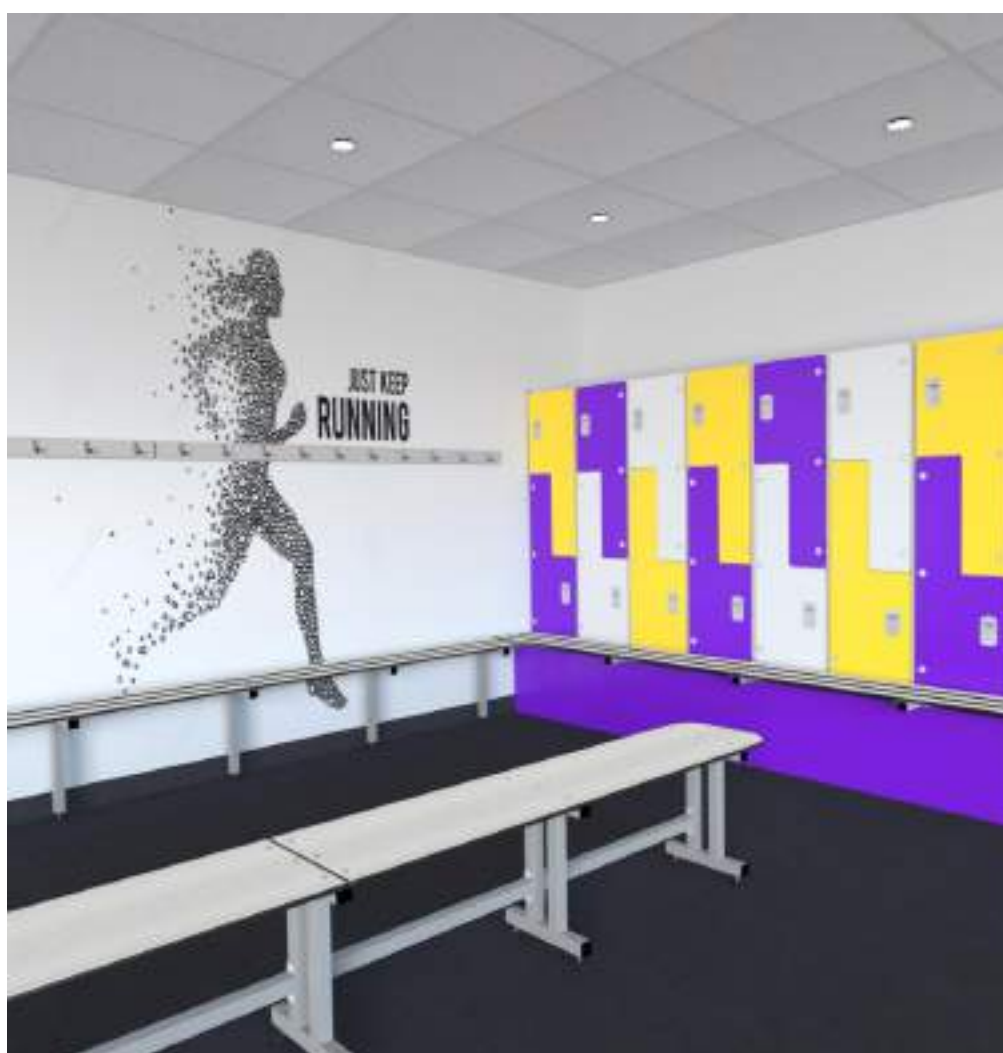




Technical Manual

leisureline™ bench seating

designed specifically for commercial
washrooms & changing rooms



Product Code - BSF01

Kit Contents

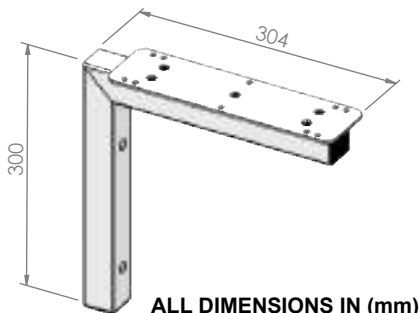
1 Off - Cantilever Bench Frame

Optional kits

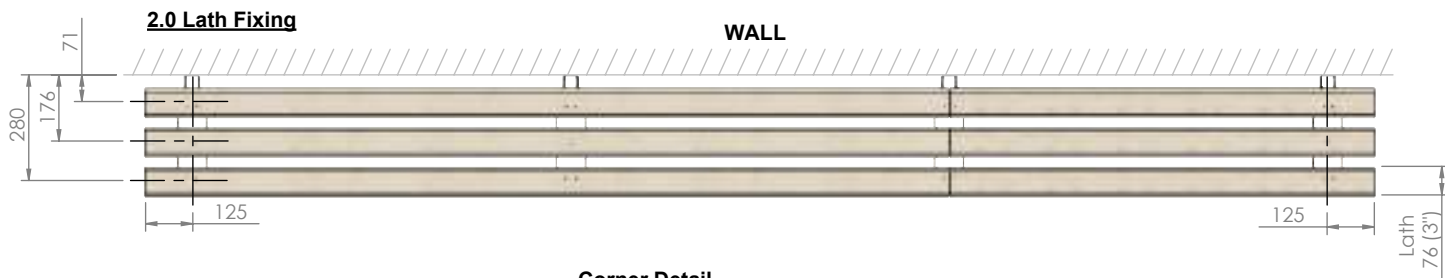
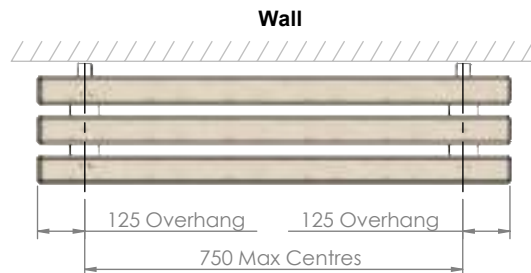
Compact Lath fixings
pack of 4 - BSFXLC03

Wood Lath Screw
FXSCRNO8X19BZP002

Wall Fix Anchor kit
BSFXWF01



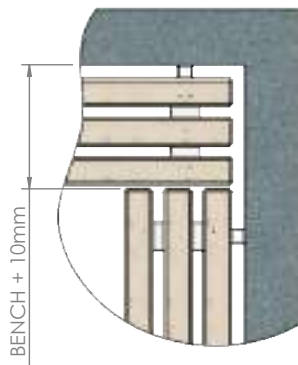
ALL DIMENSIONS IN (mm)



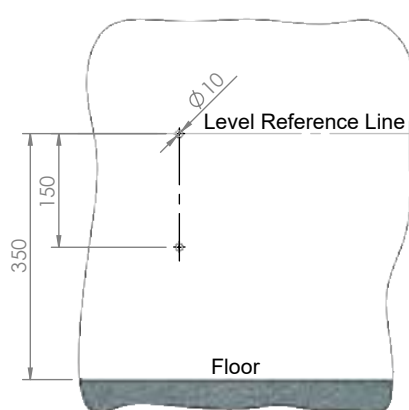
2.0 Lath Fixing

WALL

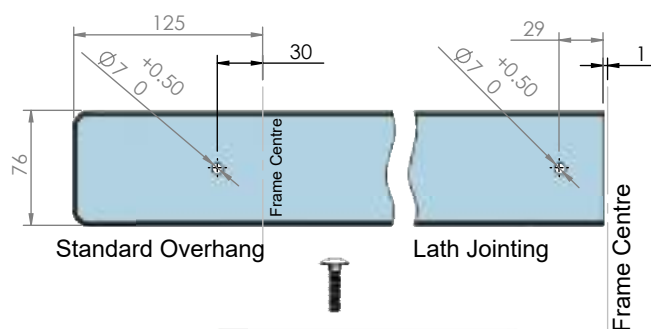
Corner Detail



1.0 Frame Installation



2.4 Compact Lath Pre-Drilling Detail



2.2 Lath Fixing (Hardwood)



2.5 Lath Fixing (Compact)

Please refer to the Fixing Identification Sheet and familiarise yourself with the fixings and descriptions used

1.0 Frame Installation

- 1.1 Use the site layout drawing to decide upon the correct positions for each frame (take care not to exceed maximum recommended centres as shown above).
- 1.2 Mark a level reference line along the wall where the frames are to be fitted at a nominal height of 450mm from the floor.
- 1.3 Mark the frame position as a vertical line down the wall approx 200mm long. And the second fixing hole position on the vertical line 150mm below the datum line. (Caution - check for electric cables and pipes concealed in wall prior to drilling).
- 1.4 Using a 10mm Masonry drill bit, drill into the wall to a depth of 50mm. Clear any debris from the holes.
- 1.5 Offer the frame to the wall, if securing using 2 Anchor Bolts & M12 Washers tighten to a torque of 45N/m to ensure a secure fixing is achieved.

Note - anchor bolts are optional and suitable for use on Brick, Stone and Concrete. It is the users responsibility to ensure the wall is suitable for this type of fixing otherwise alternative means must be used.

- 1.6 Repeat from step 1.2 using the Datum line as a reference, at no more than the recommended 750mm centres for remaining frames in the run.

*Optional panel and back to back fixings available on request.

Note:- 4 compact lath fixings are supplied with each frame kit, Only 3 fixings are required per frame the fourth is to be combined with the extra fixing in the other frame kits and used wherever a joint is required.

2.0 Lath Fixing

- 2.1 The Laths require pre-cutting to length prior to fitting, this being determined by the frame centres i.e. a single 750mm centre frame requires 1m laths (0.125m overlap). When a multiple run of frames is required the laths are jointed every 3rd frame.
- 2.2 To secure a Hardwood Lath to the frame, position the lath at the rear of the frames 71mm from the lath centre to the wall and with 125mm overlap as shown in sketch. Use No.8 x 3/4" Screws to secure in position from the underside.
- 2.3 Repeat for the remaining laths working to the frame front.
- 2.4 Compact grade laths require pre-drilling before assembly to the frames (see sketch).
- 2.5 Secure to the frames using 3 compact fixings (M6 Coach Bolts, Washers & Nyloc Nuts)

Leisureline Bench Seating Wall Mount Frame

Product Code - BSF02

Kit Contents

1 Off - Wall Mount Bench Frame

Optional kits

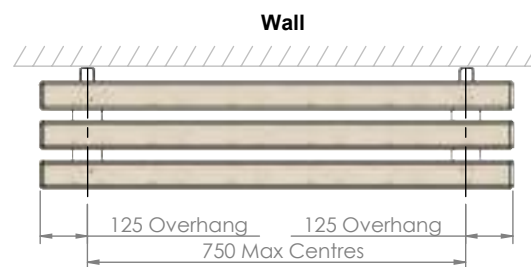
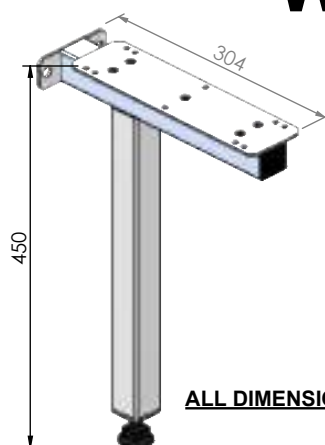
Compact Lath fixings
pack of 4 - BSFXLC03

Floor fixing down kit (Screw)
BSFXFF01

Wood Lath Screw
FXSCRNO8X19BZP002

Floor fixing down kit (Bolt)
BSFXFF02

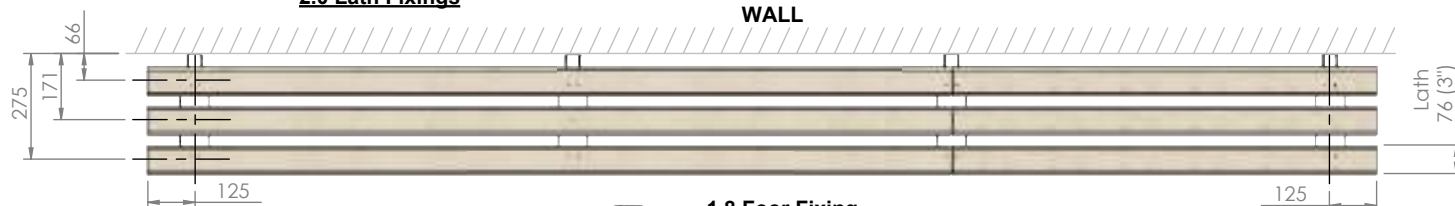
Wall Fix Anchor kit
BSFXWF02



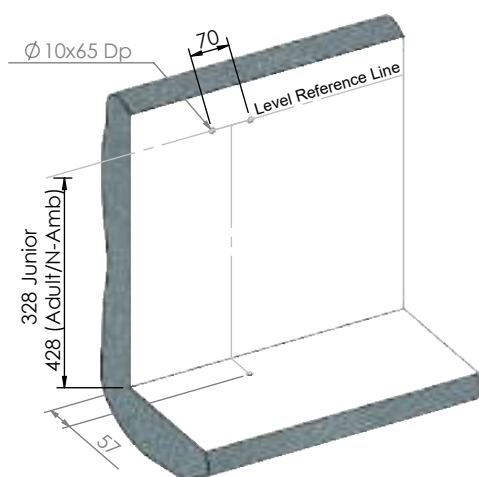
ALL DIMENSIONS IN (mm)

2.0 Lath Fixings

WALL



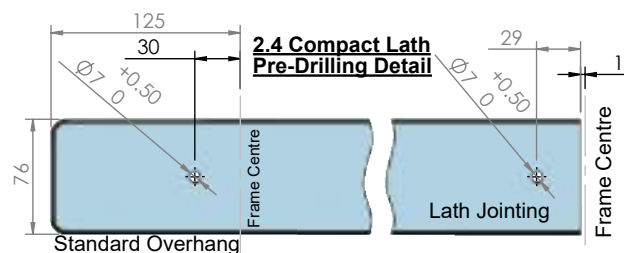
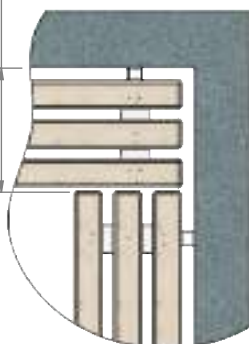
1.0 Frame Installation



1.8 Floor Fixing (Optional)

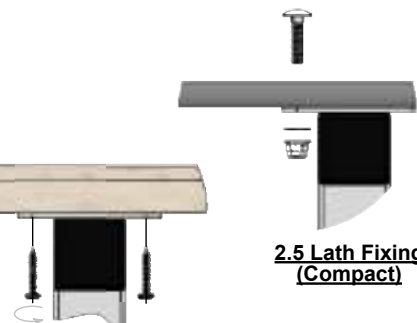
corner detail

BENCH + 10mm



2.4 Compact Lath Pre-Drilling Detail

1.9 Floor Fixing (Optional)



2.5 Lath Fixing (Compact)

2.2 Lath Fixing (Hardwood)

Please refer to the Fixing Identification Sheet and familiarise yourself with the fixings and descriptions used

1.0 Frame Installation

- 1.1 Use the site layout drawing to decide upon the correct positions for each frame (take care not to exceed maximum recommended centres as shown above).
- 1.2 Mark a level reference line along the wall where the frames are to be fitted at a nominal height of 428mm from the floor.
- 1.3 Mark the frame position as a vertical line down the wall, using the vertical line as a datum mark a hole position 35mm each side on the level
- 1.4 Offer the frame to the wall and secure using 2 Anchor Bolts & washers, tightening to a torque of 45N/m to ensure a secure fixing is achieved.

Note - The anchor bolts supplied are suitable for use on Brick, Stone & Concrete. It is the users responsibility to ensure the Wall or Floor is suitable for this type of fixing otherwise alternative methods must be used.

(Caution - check for electric cables and pipes concealed in wall prior to drilling).

2.0 Lath Fixing

- 2.1 The Laths require pre-cutting to length prior to fitting, this being determined by the frame centres i.e. a single 750mm centre frame requires 1.0m laths (0.125m overlap). When a multiple run of frames is required the laths are jointed every 3rd frame (see sketch).
- 2.2 To secure a Hardwood Lath to the frame, position the lath at the rear of the frames 66mm from the lath centre to the wall and with 125mm overlap as shown in sketch. Use No.8 x 3/4" Screws to secure in position from the underside.
- 2.3 Repeat for the remaining laths working to the frame front.
- 2.4 Compact grade laths require pre-drilling before assembly to the frames (see sketch).
- 2.5 Secure to the frames using 3 compact fixings (M6 Coach Bolts & Nyloc Nuts)

Note:- 4 compact lath fixings are supplied with each frame kit, Only 3 fixings are required per frame the fourth is to be combined with the extra fixing in the other frame kits and used wherever a joint is required.

3.0 Optional Anchor Plate

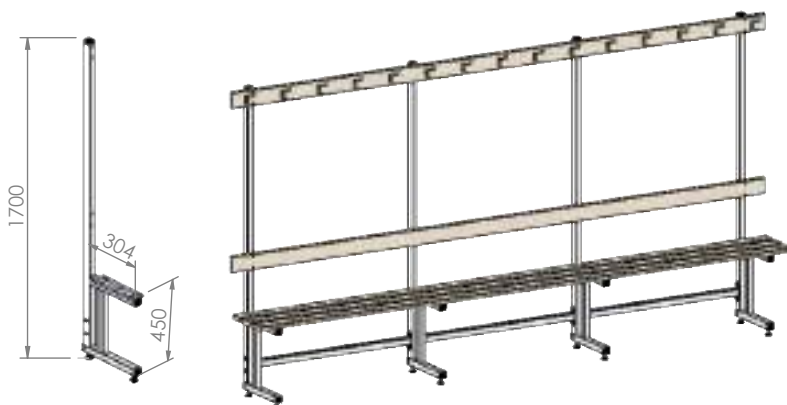
- 3.1 Ideally the Anchor plate should be fixed with M10 Anchor Bolts or similar, however where this can not be achieved it may be fixed with a No.10 screw. To use the anchor bolt, mark a centreline on the floor and mark the centre of the fixing hole at 57mm from the back wall. (see Drg 1.0).
- 3.2 Using a 10mm masonry drill bit, drill the marked positions to a depth of 65mm. Clear any debris from the holes.
- 3.3 Unscrew the adjustable foot from the frame leg, place the floor fixing bracket over the thread and screw the adjustable foot back into place.
- 3.4 Align the floor fixing bracket with the floor fixing hole and secure using the remaining Anchor Bolt & Washer.
- 3.5 As an optional floor fixing where the Anchor Bolts may cause problems due to their size a smaller No.10 screw fixing is supplied. Using the Anchor plate as a template, mark the fixing hole position through the smaller of the 2 holes in the bracket. Using a 6.5mm masonry bit, drill to a depth of 50mm. Insert the Rawl Plug and secure using the No.10 x 1 1/2" Screw. (Caution - Caution check for underfloor heating prior to drilling)

Leisureline Bench Seating Single Island Bench Frame

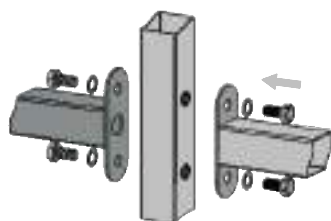
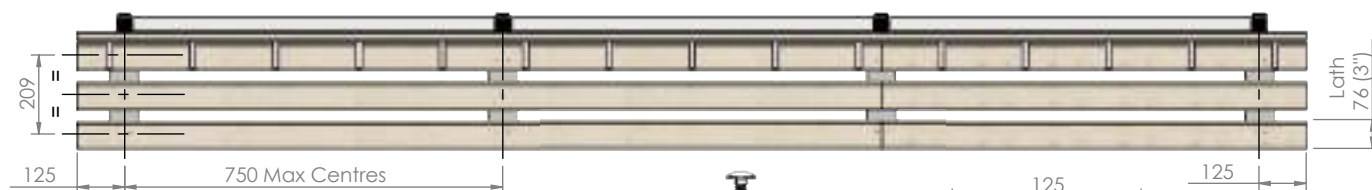
Product Code - BSF03

Kit Contents

- 1 Off - Single Island Bench Frame
- 2 Off - M10x60mm Anchor Bolts & washers (Floor Fixings)
- 6 Off - No.8x3/4" A2 Pozi Pan Head Screws
- 4 Off - M6x25mm Coach Bolts, Washers & Nylock Nuts
- 2 Off - No.10 x 1 1/2" A2 Csk Pozi Screw & Rawl Plug
- 2 Off - Fixing Down Brackets
- 4 Off - M10x20 Hex Head Bolt & Washer (Tie Bar Fixing)
- 4 Off - Blind T-nut
- 4 Off - T-nut
- 4 Off - M6x48mm Allthread (12-13mm Hook Board Fixing)
- 4 Off - M6x60mm Allthread (25mm Hook Board Fixing)



ALL DIMENSIONS IN (mm)



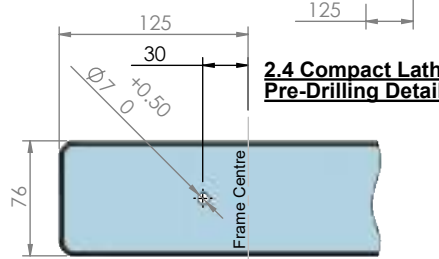
1.2 Tie Bar Fixing



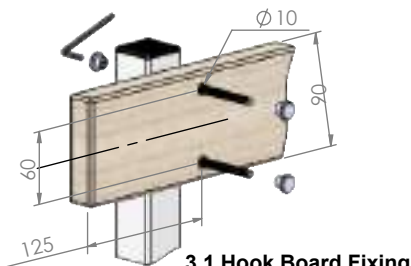
2.2 Lath Fixing
(Hardwood)



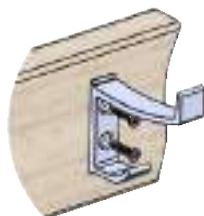
2.5 Lath Fixing
(Compact)



2.4 Compact Lath
Pre-Drilling Detail



3.1 Hook Board Fixing



4.1 Coat Hook fixing



5.1 Floor Fixing



5.7 Floor Fixing
(Type 2)

Please refer to the Fixing Identification sheet in Section 2 of this booklet and familiarise yourself with the fixings and descriptions used

1.0 Frame Assembly

- 1.1 Use the site layout drawing to decide upon the correct positions for each frame (take care not to exceed the max. recommended centres shown above)
- 1.2 Attach the first frame to a tie bar as shown in sketch 1.2, using the 2 M10 Hex bolts and washers provided.
- 1.3 Attach the second frame to the opposite end of the tie bar.
- 1.4 Repeat the procedure adding tie bars and frames to create a run of frames if required.

2.0 Lath Fixing

- 2.1 The Laths require pre-cutting to length prior to fitting, this being determined by the frame centres i.e. a single 750mm centre frame requires 1.0m laths (0.125m overlap).
- 2.2 To secure a Hardwood Lath to the frame, position the lath centrally on the frames and with 125mm overlap as shown in sketch. Use the No.8 x 3/4" Screws to secure in position from the underside.
- 2.3 Repeat for the remaining laths working either side of the central lath.
- 2.4 Compact grade laths require pre-drilling before assembly to the frames (see sketch).
- 2.5 Secure to the frames using 3 compact fixings (M6 Coach Bolts, Washers & Nylock Nuts)

3.0 Hook & Backrest Fixing

- 3.1 Pre-drill the board as shown in sketch.
- 3.2 Secure to frame upright using the 2 T-nuts and all threads provided. (Note: The blind T-nut faces the frame front)

4.0 Coat Hook Fixing

- 4.1 Working from the frame centre, attach the coat hook using the screws provided. (Pilot drill Ø3.5mm for compact boards)
- 4.2 Repeat either side of the central hook at even spacings.

5.0 Floor Fixing (Optional)

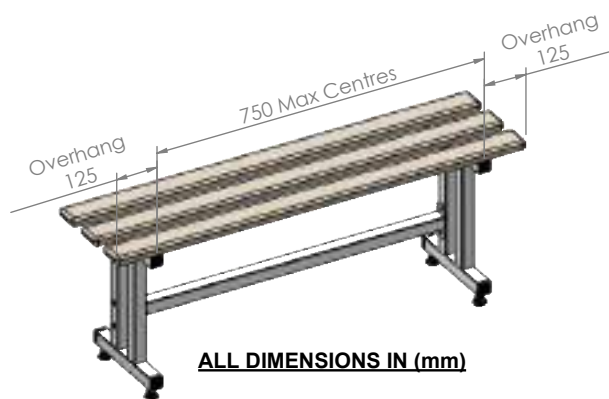
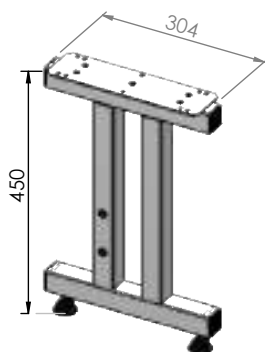
- 5.1 Ideally the floor mount should be fixed with the M10 anchor bolt or similar, however where this can not be achieved it may be fixed using a No.10 screw. The anchor bolts supplied are suitable for use on Brick, Stone & Concrete. It is the users responsibility to ensure the floor is suitable for this type of fixing otherwise alternative means must be used. (Caution - check for electric cables and pipes concealed in the floor prior to drilling).
- 5.2 Unscrew the adjustable feet from the frame base and attach the fixing down brackets to the frames.
- 5.3 Position the frame run in the desired location. Using the fixing brackets as a template mark the floor position for the anchor bolt through the larger of the 2 fixing holes.
- 5.4 Using a 10mm Masonry Drill Bit, drill the marked positions to a depth of 65mm. Clear any debris from the holes.
- 5.5 Secure using the 2 Anchor Bolts & Washers provided, tightening to a torque of 45N/m to ensure a secure fixing is achieved.
- 5.6 Repeat for remaining floor fixings.
- 5.7 Where the optional screw type floor fixing is required. Use the floor Fixing bracket as a template, mark the fixing hole position through the smaller of the 2 holes in the bracket. Using a 6.5mm masonry bit, drill to a depth of 50mm. Insert the Rawl Plug and secure using the No.10 Screw.

Leisureline Bench Seating Single Bench Frame

Product Code - BSF05

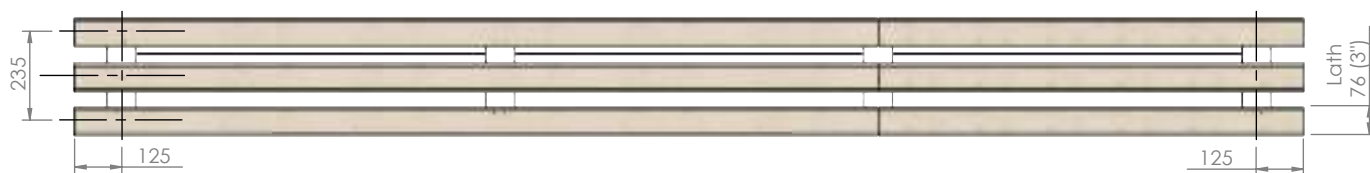
Kit Contents

- 1 Off - Single Bench Frame
- 2 Off - M10x60mm Anchor Bolts (Floor Fixings)
- 2 Off - M12 Washers
- 6 Off - No.8x3/4" A2 Pozi Pan Head Screws
- 4 Off - M6x25mm Coach Bolts
- 4 Off - M6 Nylock Nuts & Washers
- 2 Off - No.10 x 1 1/2" A2 Csk Pozi Screw
- 2 Off - Rawl Plug
- 2 Off - Fixing Down Brackets
- 4 Off - M10x20 Hex Head Bolt (Tie Bar Fixing)
- 4 Off - M10 Washer (Tie Bar Fixing)

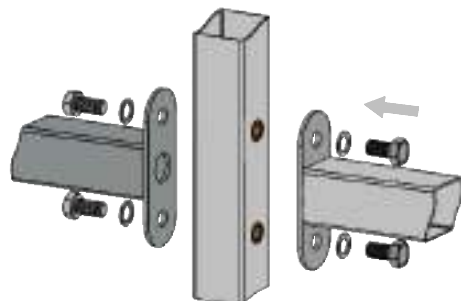
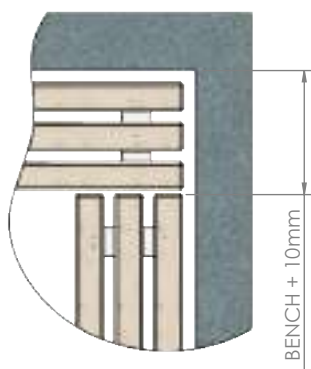


ALL DIMENSIONS IN (mm)

2.0 Lath Fixing



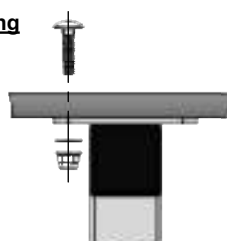
corner detail



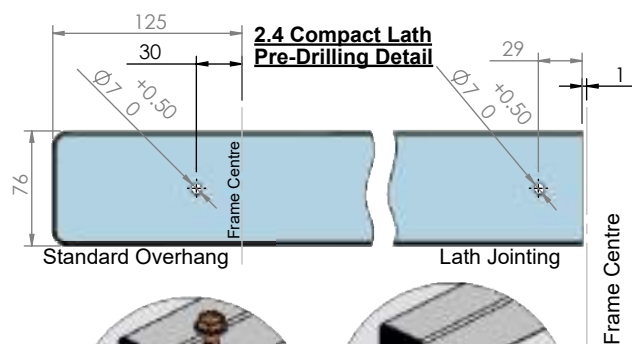
1.2 Tie Bar Fixing



2.2 Lath Fixing (Hardwood)



2.5 Lath Fixing (Compact)



2.4 Compact Lath Pre-Drilling Detail



3.1 Floor Fixing



3.6 Floor Fixing (Type 2)

Please refer to the Fixing Identification sheet and familiarise yourself with the fixings and descriptions used

1.0 Frame Assembly

- 1.1 Use the site layout drawing to decide upon the correct positions for each frame (take care not to exceed the maximum recommended centres shown above).
- 1.2 Attach the first frame to a tie bar as shown in sketch 1.2, using the 2 M10 Hex bolts and washers provided.
- 1.3 Attach the second frame to the opposite end of the tie bar.
- 1.4 Repeat the procedure adding tie bars and frames to create a run of frames if required.

2.0 Lath Fixing

- 2.1 The Laths require pre-cutting to length prior to fitting, this being determined by the frame centres i.e. a single 1m centre frame requires 1.25m laths (0.125m overlap). When a multiple run of frames is required the laths are jointed every 3rd frame (see sketch 2.0).
 - 2.2 To secure a Hardwood Lath to the frame, position the lath centrally on the frames and with 125mm overlap as shown in sketch. Use the No.8 x 3/4" Screws to secure in position from the underside.
 - 2.3 Repeat for the remaining laths working either side of the central lath.
 - 2.4 Compact grade laths require pre-drilling before assembly to the frames (see sketch).
 - 2.5 Secure to the frames using the 3 compact fixings (M6 Coach Bolts & Nyloc Nuts)
- Note:- 4 compact lath fixings are supplied with each frame kit, Only 3 fixings are required per frame the fourth is to be combined with the extra fixing in the other frame kits and used wherever a joint is required.**

3.0 Floor Fixing (Optional)

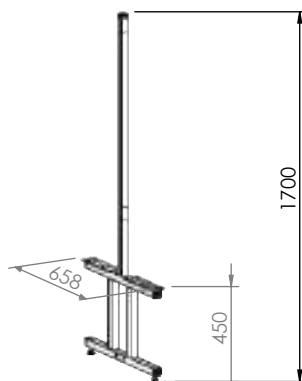
- 3.1 Ideally the floor mount should be fixed with the M10 anchor bolt or similar, however where this can not be achieved it may be fixed using a No.10 screw. The anchor bolts supplied are suitable for use on Brick, Stone & Concrete. It is the users responsibility to ensure the floor is suitable for this type of fixing otherwise alternative means must be used. (Caution - check for electric cables and pipes concealed in the floor prior to drilling).
- 3.1 Unscrew the adjustable feet from the frame base and attach the fixing down brackets to the frames.
- 3.2 Position the frame run in the desired location. Using the fixing brackets as a template mark the floor position for the anchor bolt through the larger of the 2 fixing holes.
- 3.3 Using a 10mm Masonry Drill Bit, drill the marked positions to a depth of 65mm. Clear any debris from the holes
- 3.4 Secure using the 2 Anchor Bolts & M12 Washers provided, tightening to a torque of 45N/m to ensure a secure fixing is achieved.
- 3.5 Repeat for remaining floor fixing brackets.
- 3.6 Where the optional screw type floor fixing is required. Use the floor Fixing bracket as a template, Mark the fixing hole position through the smaller of the 2 holes in the bracket. Using a 6.5mm masonry bit, drill to a depth of 50mm. Insert the Rawl Plug and secure using the No.10 Screw.

Leisureline Bench Seating Double Island Bench Frame

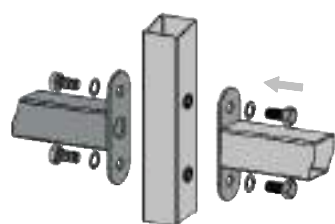
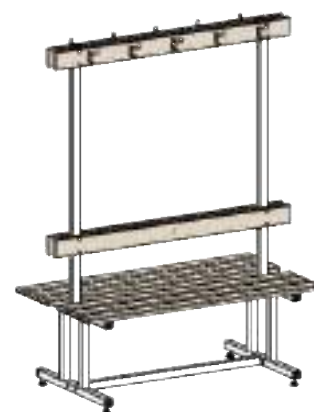
Product Code - BSF04

Kit Contents

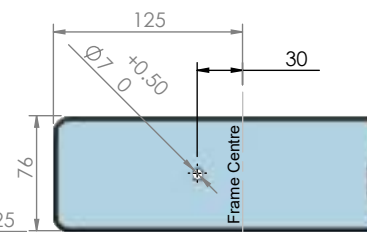
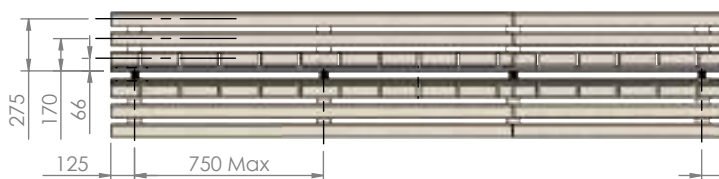
- 1 Off - Double Island Bench Frame
- 2 Off - M10x60mm Anchor Bolts & M12 Washers (Floor Fixings)
- 6 Off - No.8x3/4" A2 Pozi Pan Head Screws
- 4 Off - M6x25mm Coach Bolts, Washers & Nylock Nut
- 2 Off - No.10 x 1 1/2" A2 Csk Pozi Screw & Rawl Plug
- 2 Off - Fixing Down Brackets
- 4 Off - M10x20 Hex Head Bolt & Washer (Tie Bar Fixing)
- 4 Off - Blind T-nut
- 4 Off - T-nut
- 4 Off - M6x60mm Allthread (12-13mm Hook Board Fixing)
- 4 Off - M6x80mm Allthread (25mm Hook Board Fixing)



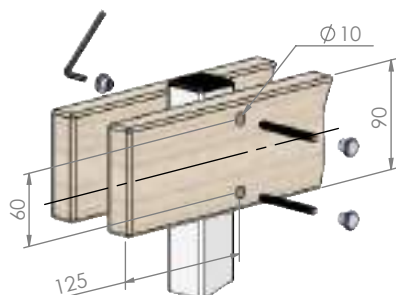
ALL DIMENSIONS IN (mm)



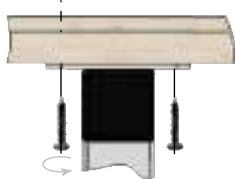
1.2 Tie Bar Fixing



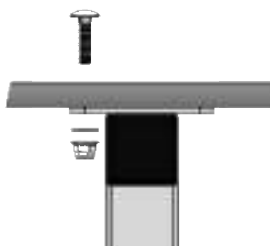
2.4 Compact Lath
Pre-Drilling Detail



3.1 Hook Board Fixing



2.2 Lath Fixing
(Hardwood)



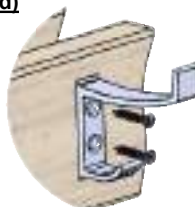
2.5 Lath Fixing
(Compact)



5.1 Floor Fixing



5.7 Floor Fixing
(Type 2)



4.1 Coat Hook Fixing

Please refer to the Fixing Identification sheet in Section 2 of this booklet and familiarise yourself with the fixings and descriptions used

1.0 Frame Assembly

- 1.1 Use the site layout drawing to decide upon the correct positions for each frame (take care not to exceed the max. recommended centres shown above)
- 1.2 Attach the first frame to a tie bar as shown in sketch 1.2, using the 2 M10 Hex bolts and washers provided.
- 1.3 Attach the second frame to the opposite end of the tie bar.
- 1.4 Repeat the procedure adding tie bars and frames to create a run of frames if required.

2.0 Lath Fixing

- 2.1 The Laths require pre-cutting to length prior to fitting, this being determined by the frame centres i.e. a single 750mm centre frame requires 1.0m laths (0.125m overlap).
- 2.2 To secure a Hardwood Lath to the frame, position the lath centrally on the frames and with 125mm overlap as shown in sketch. Use the No.8 x 3/4" Screws to secure in position from the underside.
- 2.3 Repeat for the remaining laths working either side of the central lath.
- 2.4 Compact grade laths require pre-drilling before assembly to the frames (see sketch).
- 2.5 Secure to the frames using 3 compact fixings (M6 Coach bolts, washers & Nylock Nuts)

3.0 Hook & Backrest Fixing

- 3.1 Pre-drill the board as shown in sketch.
- 3.2 Secure to frame upright using the 2 T-nuts and all threads provided.

4.0 Coat Hook Fixing

- 4.1 Working from the frame centre, attach the coat hook using the screws provided. (Pilot drill Ø3.5mm for compact boards)
- 4.2 Repeat either side of the central hook at even spacings.

5.0 Floor Fixing (Optional)

- 5.1 Ideally the floor mount should be fixed with the M10 anchor bolt or similar, however where this can not be achieved it may be fixed using a No.10 screw. The anchor bolts supplied are suitable for use on Brick, Stone & Concrete. It is the users responsibility to ensure the floor is suitable for this type of fixing otherwise alternative means must be used. (Caution - check for electric cables and pipes concealed in the floor prior to drilling).
- 5.2 Unscrew the adjustable feet from the frame base and attach the fixing down brackets to the frames.
- 5.3 Position the frame run in the desired location. Using the fixing brackets as a template mark the floor position for the anchor bolt through the larger of the 2 fixing holes.
- 5.4 Using a 10mm Masonry Drill Bit, drill the marked positions to a depth of 65mm. Clear any debris from the holes
- 5.5 Secure using the 2 Anchor Bolts & Washers provided, tightening to a torque of 45N/m to ensure a secure fixing is achieved.
- 5.6 Repeat for remaining floor fixing brackets.
- 5.7 Where the optional screw type floor fixing is required. Use the floor Fixing bracket as a template, mark the fixing hole position through the smaller of the 2 holes in the bracket. Using a 6.5mm masonry bit, drill to a depth of 50mm. Insert the Rawl Plug and secure using the No.10 Screw.

Product Code - BSF06

Kit Contents

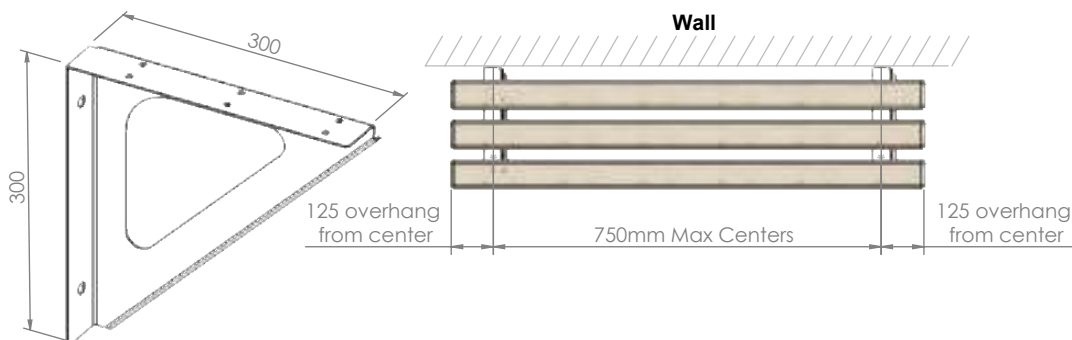
1 Off - Stainless Steel Cantilever Bench Frame

Optional kits

Compact Lath fixings
pack of 4 - BSFXLC03

Wood Lath Screw
FXSCRNO8X19BZP002

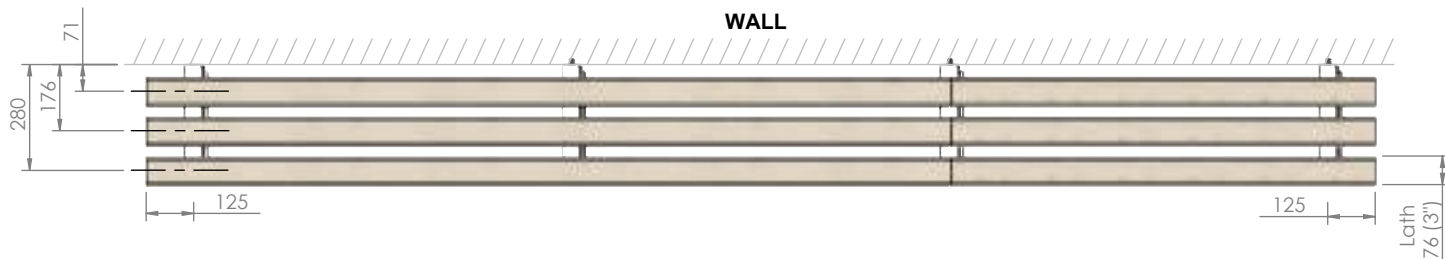
Wall Fix Anchor kit
BSFXWF02



2.0 Lath Fixing

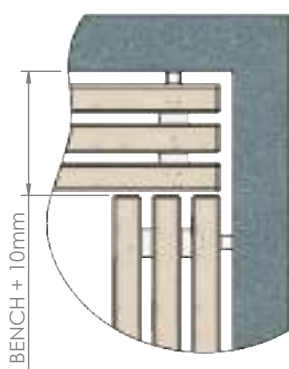
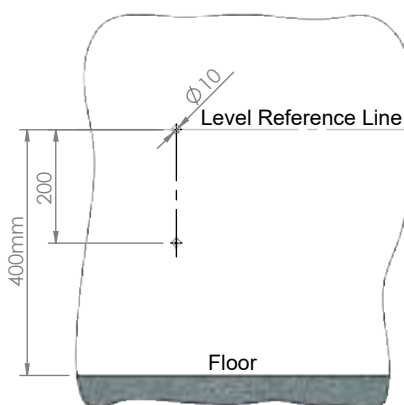
ALL DIMENSIONS IN (mm)

WALL

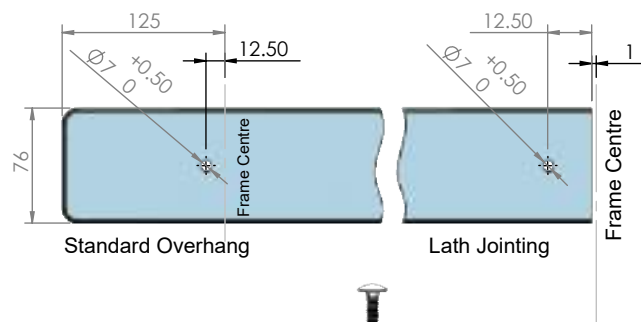


1.0 Frame Installation

Corner Detail



2.4 Compact Lath Pre-Drilling Detail



2.2 Lath Fixing (Hardwood)

2.5 Lath Fixing (Compact)



Please refer to the Fixing Identification Sheet and familiarise yourself with the fixings and descriptions used

1.0 Frame Installation

- 1.1 Use the site layout drawing to decide upon the correct positions for each frame (take care not to exceed maximum recommended centres as shown above).
- 1.2 Mark a level reference line along the wall where the frames are to be fitted at a nominal height of 450mm from the floor.
- 1.3 Mark the frame position as a vertical line down the wall approx 250mm long. And the second fixing hole position on the vertical line 200mm below the datum line. (Caution - check for electric cables and pipes concealed in wall prior to drilling).
- 1.4 Using a 10mm Masonry drill bit, drill into the wall to a depth of 50mm. Clear any debris from the holes.
- 1.5 Offer the frame to the wall and if securing using 2 Anchor Bolts & M12 Washers tighten to a torque of 45N/m to ensure a secure fixing is achieved.

Note - anchor bolts are suitable for use on Brick, Stone and Concrete. It is the users responsibility to ensure the wall is suitable for this type of fixing otherwise alternative means must be used.

- 1.6 Repeat from step 1.2 using the Datum line as a reference, at no more than the recommended 750mm centres for remaining frames in the run.
*Optional panel and back to back fixings available on request.

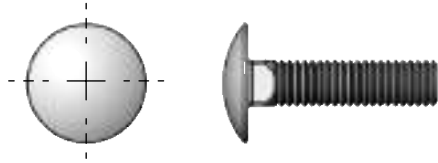
2.0 Lath Fixing

- 2.1 The Laths require pre-cutting to length prior to fitting, this being determined by the frame centres i.e. a single 750mm centre frame requires 1m laths (0.125m overlap). When a multiple run of frames is required the laths are jointed every 3rd frame (See Sketch).
- 2.2 To secure a Hardwood Lath to the frame, position the lath at the rear of the frames 71mm from the lath centre to the wall and with 125mm overlap as shown in sketch. Use No.8 x 3/4" Screws to secure in position from the underside.
- 2.3 Repeat for the remaining laths working to the frame front.
- 2.4 Compact grade laths require pre-drilling before assembly to the frames (see sketch).
- 2.5 Secure to the frames using 3 compact fixings (M6 Coach Bolts, Washers & Nyloc Nuts)

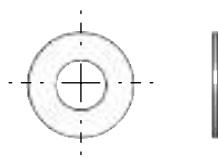
Note:- 4 compact lath fixings are supplied with each frame kit, Only 3 fixings are required per frame the fourth is to be combined with the extra fixing in the other frame kits and used wherever a joint is required.

Leisureline Bench Seating Fixing kit Sheet

COMPACT LATH KIT PACK OF 4 BSFXLC03



M6 x 25mm Coach Bolt (A2) - Compact Lath Fixing



M6 Washer - Compact Lath Fixing



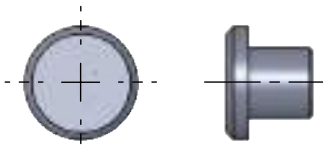
M6 Nylock Nut - Compact Lath Fixing



No.8 x 3/4" Pozi Pan Head Screw - Wood Lath Fixing

WOOD LATH SCREW FXSCRNO8X19BZP002

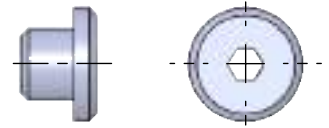
T NUT FIXINGS REF ONLY



Blind T-nut - Hook/Backrest Board Fixing



M6 All thread - Hook/Backrest Board Fixing



T-nut - Hook/Backrest Board Fixing

FLOOR FIXING SCREW TYPE BSFXFF01



Rawl Plug - Optional Floor Fixing

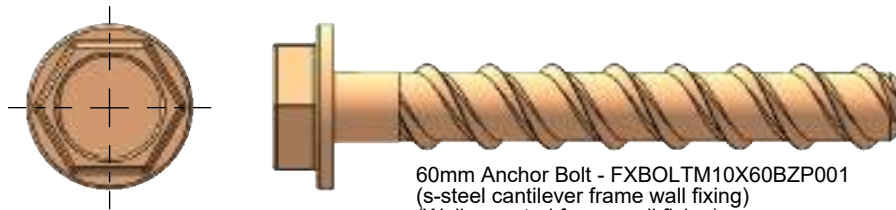


No.10 x 1 1/2" Csk Screw - Optional Floor Fixing

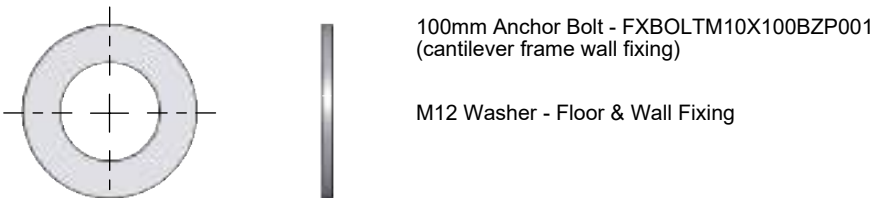


CBSFXCHAMFB001P - Floor Fixing Bracket

FLOOR FIXING BOLT TYPE BSFXFF02



60mm Anchor Bolt - FXBOLTM10X60BZP001
(s-steel cantilever frame wall fixing)
(Wall mounted frame wall fixing)
(floor fixing Anchor bolt)



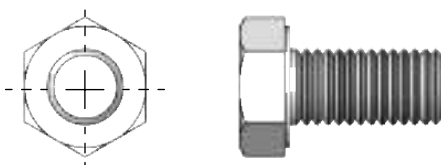
100mm Anchor Bolt - FXBOLTM10X100BZP001
(cantilever frame wall fixing)

M12 Washer - Floor & Wall Fixing

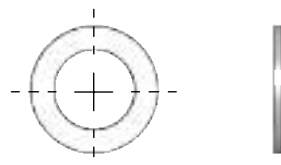


CBSFXCHAMFB001P - Floor Fixing Bracket

TIE BAR FIXINGS REF ONLY



M10 x 20 Hex Bolt - Tie Bar Fixing



M10 Washer - Tie Bar Fixing