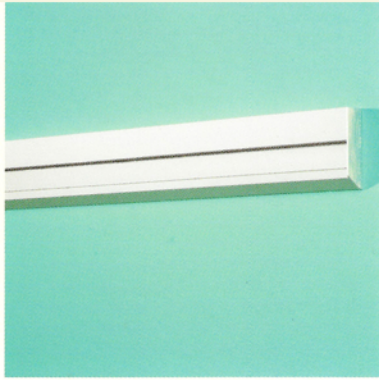


Rail & Uprights

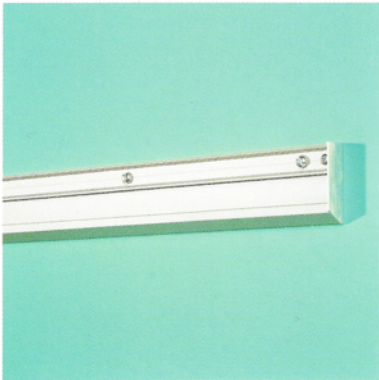
1.0

The unique design of the rail provides maximum strength for your storage and furniture system as the load is spread across the wall.

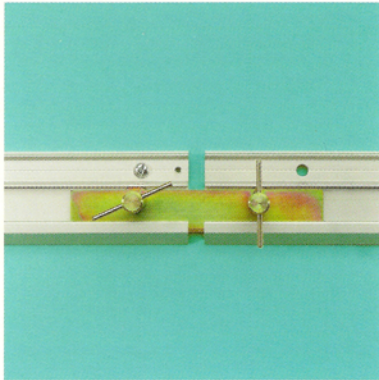
toprail 
systems limited



Rail with cover



Rail with fixings and end stop

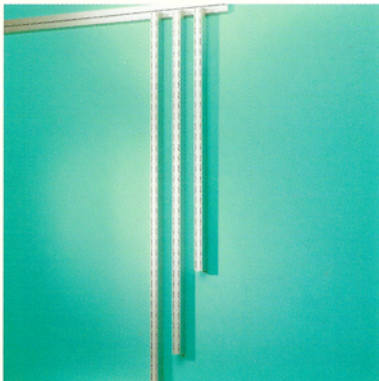


Rail fixing tool - prior to final drilling

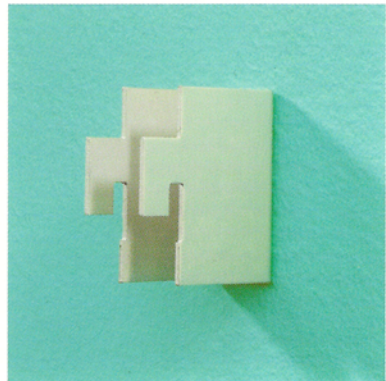
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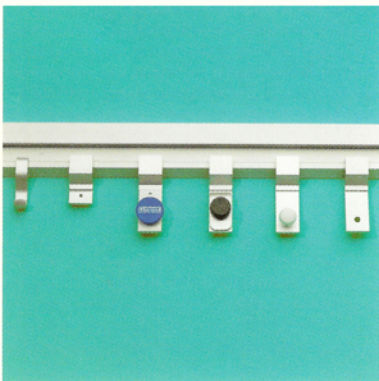
Recommended fixing plugs



Three standard slotted uprights



Security bracket



Hooks

Rail & Uprights in Detail

Rail

The rail is manufactured from anodised aluminium extrusion and supplied in standard lengths of 2.4m, pre-drilled with 15 fixing holes. Longer lengths can be 'butt-jointed' and shorter lengths can simply be cut on site. If additional holes are needed, these can be drilled using the V-groove guide in the rail extrusion. A modern snap-on cover of anodised aluminium completes the rail, providing full protection and concealment of fixing screws. For the rail to be properly installed, all the fixing holes should be used.

Refer to the installation guide for further information.

30.010	Rail and cover	2400mm
30.012	Cover only	2400mm

Rail generally finishes at corners and architraves. To overcome the problem of the rail finishing mid-wall, or for external corners, end stops are used.

30.013	End stop - left hand
30.014	End stop - right hand

Rail Fixing Tool

The rail fixing tool allows accurate alignment of lengths of rail and saves time on long runs and large installations.

30.023	Rail fixing tool
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Slotted Uprights

Slotted uprights are used to support many of the wide range of Toprail components. These simply hook onto the rail without any further fixing and provide a secure connection. They are available in three standard lengths and can be cut on site to provide a precision fit. They may be spaced at intervals of 350mm for filing applications and pigeon holes - 600mm or 750mm intervals provide high density shelving and storage.

30.020	Slotted upright - short	919mm
30.027	Slotted upright - medium	1215mm
30.021	Slotted upright - long	1844mm

Slotted uprights may be anchored in position with security brackets to prevent any possibility of lateral movement where minimal loading is required.

30.022	Security bracket
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Hooks

A range of hooks are manufactured to hang directly from the rail to support other suppliers proprietary products or equipment that can be hung in one of the following ways:

Chart hooks that can be used for charts, pictures and calendars.

Rivet hooks that can be rivetted onto existing pinboards or dry marker boards.

Magnetic hooks that incorporate single magnets for holding paper - two magnetic hooks can be used to support flip-chart sheets.

Clamping hooks that hold heavier presentation card.

Special board hooks that support heavier boards such as dry marker boards or glazed pinboards by fixing through the face of the board.

25mm hooks that screw onto pinboards or dry marker boards

30.092	Chart hook
30.090	Rivet hook
30.096	Magnetic hook
30.112	Clamping hook
30.093	Special board hook
30.091	25mm hook

1.2

Fixing Plugs and Screws in Detail

It is important when installing the rail to use the correct fixings for the type of wall construction. Each 2.4m length of rail is pre-drilled with fifteen fixing holes. Extra holes can be drilled on site using the V-groove guide in the rail extrusion. The position of the final fixing hole on a cut length of rail should not exceed 75mm from the end of the rail section.

All fixing holes should be used and these should be checked thoroughly for correct installation before the snap-on cover section is applied. Cover joints should be staggered away from the rail joints on lengths exceeding 2.4m.

We recommend using the fixing plugs manufactured by Artur Fischer (UK) Ltd or similar. Safe working loads must be adhered to.

Brick or Concrete Walls

S8 nylon plugs with GKN 2" x No12 slotted round head wood screws.

Based on a safety factor of four, the safe working load spread over a 2.4m length of rail is 1237.5Kg or 2725lbs

30.016 Fischer S8 nylon plug with screw

Aircrete Blocks

GB10 nylon plugs with GKN 2.5" x No12 slotted round head wood screws.

Safe working loads will depend on the density of the block. Based on a safety factor of four, safe loads over a 2.4m length of rail are: -

- 2.8N Block 686Kg or 1519lbs
- 3.5N Block 1125Kg or 2474lbs
- 4.0N Block 1248Kg or 2745lbs

30.018 Fischer GB10 nylon plug and screw

Plasterboard Walls

For plasterboard walls between 10mm and 25mm thickness NA 10 x 55 plugs should be used with GKN 2.5" x No10 slotted round head wood screws. In some instances where plasterboard up to 12.5mm thickness is installed, HM 5 x 37 cavity fixings might be easier to use.

Tests have been carried out by Fischer on the NA10 x 55 fixing on standard 12.5mm gypsum plasterboard. Based on a safety factor of four, the safe working load spread across the 2.4m length of rail was found to be 187.5Kg or 413lbs. Further details of these loading tests are available on request.

The above test results are based on fixing only into plasterboard. For new construction projects, we recommend that timber noggins are installed between the stud work at rail height which will increase the safe working load capacity.

30.019 Fischer NA10 x 55 nylon plug with screw

30.009 Fischer HM5 x 37 cavity fixing with screw bolt

1.3