

Medical Equipment Rail



The **CABLEFLOW MEDICAL EQUIPMENT RAIL** provides the ideal universal system for the temporary mounting and support of any patientcare equipment that will be required at many different locations within a healthcare environment.

An extruded aluminium medical equipment rail, the **CABLEFLOW MEDICAL EQUIPMENT RAIL** has been specifically designed to provide a simple, functional and economic solution to the variable needs within the patient care environment for the fixing, connection, location and operation of medical equipment.

Our **MEDICAL EQUIPMENT RAIL** system has been designed to comply with, and in many cases exceed the essential requirements of the European standard BS EN ISO 19054:2006 and its international counterpart – Rail systems for supporting medical equipment.

This product design offers both a general and heavy-duty rail within one system.



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Design

The product is supplied in an anodised silver (medium grey) finish as standard and allows for simple cleaning whilst offering a neutral and aesthetically pleasing profile within the patient environment. This universally accepted finish is durable to the rigours of both general ward and intensive area lifestyles alike and is corrosion resistant.

By omitting the need for coloured infill strips, that otherwise detract and isolate the system from alternative colour schemes that may be present within the patient room, this design concept further enhances the neutral and unobtrusive feel of this rail system.

Easy Installation

The rail can be supplied direct from the factory in bespoke lengths with pre-determined fixing centres, or alternatively is supplied as a complete kit which is ready to use and simple to fit by any competent engineer. Any continuous length up to 4000mm can be supplied although standard stock lengths are supplied in 2000mm bars. A 'joining kit' is available to allow multiple lengths to be joined across longer expanses of wall rails are required.

By following our detailed Installation Instructions for this system, the rail can be easily cut on site with no detrimental effect to the overall appearance or function of the rail system.

Due to the design of the **MEDICAL EQUIPMENT RAIL**, it can be fitted either horizontally or vertically dependent upon the clinical layout requirements. It is fitted directly to the wall surface without the need for stand-off brackets or additional fixing components and therefore cleaning around the system is as simple as any other linear wall mounted component within the



medical environment (Refer to **MEDICAL EQUIPMENT RAIL** Installation Instructions for cleaning and maintenance recommendations for the rail and its components).

It is not recommended that medical equipment rails are mounted directly onto Bedhead Services Trunking Systems, nor should they form an integral part of a trunking system design. The point loading stresses that occur on rails from the equipment that may be located onto them can result in failures of trunking system designs and their intended clinical function.

Safety

The rail design also makes due allowance for the system to be earth-bonded in accordance with national wiring regulations, as it is likely to be carrying mains operated equipment at some stage. Therefore, in the event of an electrical fault condition this rail system provides further safety bonding protection.

End caps

Proprietary end caps that simply push-fit into the ends of the extrusion detail and which form an hermetic seal at each end of an installed rail are available, whilst complimenting the overall appearance of the rail installation.

Accessories

As with all types of medical equipment rail, a variety of ancillary equipment components are available. The system having been designed to accommodate the majority of commonly used rail clamps means that it will be equally at home on either a new installation, existing structure or refurbishment project alike.

Clamps can be attached to the **MEDICAL EQUIPMENT RAIL** without the use of tools.



Technical Specifications	
Product name:	CABLEFLOW MEDICAL EQUIPMENT RAIL
International Standards:	BS EN ISO 19054:2006
Material:	Extruded aluminium (AL MgS:0.5)
Surface Finish:	Electrolytically Anodised to AA25 BS EN 12373
Standard Length:	2000mm
Non-standard lengths:	These are available factory pre-cut to order up to a maximum length of 4000mm. It is also possible to pre-drill the rails for fixing holes within our factory to site dimensions if these are known. Please contact our sales office for further assistance.
Fixing Kit:	Supplied in packs of 10, comprising screws, caps and washer caps. Screw caps are supplied in Medium Grey as standard, but alternative colours are also available. Please contact our sales office with your requirements.
End Caps:	Polymer injection moulded and supplied in pairs. End caps are universal and push-fit onto the ends of the rail, left or right hand. Coloured in light grey.
Installation Orientation	The orientation generally depends upon the clamps to be used. However, to suit the most commonly used clamps we recommend the orientation as shown below when mounted horizontally, e.g. with the rounded clamp detail, denoted (r) on the section diagram below, pointing upwards.
Installation Instructions:	A comprehensive set of installation instructions are supplied with each order and this covers all aspects of installation including recommended fixing distances, cleaning agents, part numbers and fixing heights.
Clamps:	A range of medical equipment rail clamps is available to complement this system, with additional function specific accessories also on offer.
Section Detail:	

All Cableflow products are designed and manufactured in the UK. We reserve the right to change or alter designs from time to time without prior notice. When specifying please check with us to ensure that you are in possession of the latest issue of this datasheet.



Applicable Standards	
Document Reference	Document Description
BS 476	Fire Tests on Building Materials and Structures
BS EN ISO 19054:2006	Rail systems for supporting medical equipment
BS EN 12373	Aluminium and aluminium alloys. Anodizing.
HTM 1	Anti-static Precautions
HTM 17	Health Building Engineering Installations

This product is designed and where applicable tested and certified in accordance with the aforementioned documents.

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