



## **RAIL 2000 SYSTEM (MEDICAL/CLINICAL RAIL SYSTEM)**

The function of the Rail 2000 System is to provide a support for Rail Mounted equipment and devices, and allows the end user to move equipment along the horizontal section to more accurately suit the patient requirements.

The Rail system is universal and can be used with most known Clamping systems. The single Aluminium extrusion fixes directly to the wall, avoiding the requirements for additional mounting brackets and fixing kits.

The Rail system fully conforms to BS EN ISO 19054:2006 (Rail systems for supporting medical equipment). In accordance with the standard, the information to be supplied by the manufacturer is detailed below. For reference purposes 10 N = 2.25lbs (=1 K); 10 N = 1 K.

The system should be used and stored in a dry clean environment within the temperature range of -10°C to +40°C.

## **FIXING INSTRUCTIONS**

In accordance with BS EN 12218:1999, we would confirm the following:

1. The Rail system fixes directly to the wall, and has been designed for use horizontally. The Rail section can however be used either way up.
2. The Grey Featheredge Trim should be fitted to the upper and lower edge of the Rail section prior to fitting to the wall.
3. The Facing strip and end caps should be fitted after the Aluminium Rail Section has been correctly fitted to the wall.
4. The Rail Section is usually pre-drilled using a maximum distance of 600mm between fixings. Where possible this is reduced to 400mm to increase the fixing support. If necessary, the Rail can be supplied un-drilled, however in accordance with the British Standard, we would recommend a maximum distance of 600mm between fixings.
5. The Maximum Load with the Rail fixed at 450mm fixing centres would be 500 N (50 K). This load will depend on the integrity of the wall fixing, which is the responsibility of the Contractor/Hospital.
6. The maximum torque pressure, which is defined as the maximum weight to be loaded on any Rail Mounted Shelf, should be 250 N (25 K). This again depends on the integrity of the wall fixings.
7. The equipment to be used in conjunction with, or mounted on the Rail system, should be fitted with Therapy Equipment Rail Clamps. If the Therapy Equipment clamps are fitted according to manufacturer's instruction, then the equipment would be fully guaranteed to stay connected to the Rail system. No responsibility can be accepted for those devices fitted using alternative clamping systems.
8. The Rail system is generally supplied with 4" screws/plugs, which if used correctly with 450mm fixing centres, will be sufficient to take the weight and torques stated above. Therapy Equipment does not take any responsibility for improper or inadequate fixing of the

- Rail system to the Hospital wall. It is the Contractor/Hospitals responsibility to define the correct fixture, and to ensure that the Rail is fitted to their specification.
9. The Rail can be wiped clean with standard neutral cleaning wipes.
  10. If the Rail is fitted correctly there should not be any maintenance requirement, apart from an annual inspection to ensure the Rail is still securely fixed to the wall.
  11. Drawings and dimensional drawings are included in the company Literature pack.

**Therapy Equipment is unable to give advice regarding the fitting of our Rail 2000, and would confirm that the strength of the Rail support depends on the strength of the fixings. Should you have any queries regarding the fixings support then reference should be made back to the builder contractor/architect.**

**Unless specified, the Rail 2000 system will be supplied with standard 4” Screws/Raw plug. Again we are unable to give advice on the type of fixing required.**

#### CLEANING INSTRUCTIONS

The Rail can be externally cleaned, by wiping the surface with an alcohol or disinfecting wipe. The used wipes should be safely disposed of after use.

#### USE OF ANIMAL TISSUES/PHTHALATES

The Aluminium Rail section has not been manufactured using any Animal Tissue or Phthalates. We should confirm however that Phthalates are used in the manufacture of the flexible PVC trim (full details are available on request).

#### RISK ANALYSIS

RISK	RISK ANALYSIS	ACTION
Rail fitted incorrectly	Rail becomes loose, and Rail Mounted equipment falls from Rail	<ul style="list-style-type: none"> <li>◆ Ensure correct fittings are used (Refer to contractor)</li> <li>◆ Annually check to ensure rail remains securely fixed</li> </ul>
Rail becomes overloaded	Rail becomes loose, and Rail Mounted equipment falls from Rail	<ul style="list-style-type: none"> <li>◆ Ensure the loading remains within specified guidelines</li> </ul>

#### PREVENTATIVE MAINTENANCE

The Rail system is supplied with a 12 month warranty, and requires no other maintenance apart from an annual inspection to ensure the Rail system remains securely fixed to the wall. The Rail system should also be wiped clean in accordance with Hospital cleaning policy.

It is estimated that the Rail system has a maximum life of 10 years, and should be replaced after this time.

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