



Motor Arm System

Column with motor arm system for critical areas and operating theatres

technical data

Electrical System

Rated voltage	110/230 V~
Rated frequency	50-60Hz
Rated current	10A or 16A per circuit. 20A and 25A optional

Lighting System (Optional)

Positioning light integrating in the arm	12 Vdc
Positioning light in bottom of the service head	12 Vdc

Gas system

Compressed gases	5 bar
Compressed air-nitrogen supply to air motors	10 bar
Gas type	O ₂ - Air - N ₂ O - CO ₂ - Vac - AGSS - Air 800 - N ₂ 800

Materials (Service Head) 6065 / 6063 T5

Structure	Aluminum (3 mm to 12 mm thickness)
Tubes	Stainless steel AISI 304
Shelves	Stainless steel with epoxy painting
Technical rails	Stainless steel AISI 304

Installation

Fixation to concrete ceiling by ceiling plate.

Transportation and storage*

Ambient temperature	-25°C to + 70°C
Relative humidity	10% - 75%

* The following storage conditions apply for up to 15 week.

Ambient conditions

Ambient temperature	+10 °C - + 40°C
Relative humidity	30% - 75%

Classification

Directive 93/42/EEC:	CLASS II B
----------------------	------------

EC Conformity

Tedisel complies with the provisions of Directive 93/42/EEC (medical devices), ISO 11197 (medical supply units) and IEC 60601-1 (medical electrical equipment. Part1: general requirements for basic safety and essential performance).

Compatibility with other medical devices

Tedisel products may be equipped with medical devices from other manufacturers. Please follow the instructions provided by the manufacturers of this equipment for proper installation.

CE 0197 - Notify Body

TÜV Rheinland LGA Products GmbH

quality

Tedisel Management System and all our products are certified with quality seal **ISO 9001**, **ISO 13485** and **CE marking** granted by notified body **TÜV RHEINLAND LGA Products GmbH**.

Tedisel, as medical device manufacturer, has the medical device manufacturer license number 6205-PS, granted by the Spanish Agency for Medicines and Health Products

All medical devices developed and manufactured in Tedisel, are regulated by the European Directive 93/42/EEC. All equipment has accreditation and certification of electrical safety and electromagnetic compatibility standards ISO 11197 and EN 60601.



Sant Lluç, 69-81
08918 Badalona,
BARCELONA, Spain
Tel. +34 93 399 20 58
Fax +34 93 398 45 47
info@tedisel.com
www.tedisel.com



Ceiling motor pendants in detail



Smooth surface through concealed fasteners

90cm² space for cable routing

Motor arm pendant

Choosing the right pendant for the operating theatre and its supply, shall depend on the type of operating theatre in which it will be installed and the type of procedures.

Ceiling pendants types:

- General Surgery Ceiling pendants.
- Anaesthesia Ceiling pendants.
- Endoscopy Ceiling pendants.
- Auxiliary support Ceiling pendants.
- Anaesthesia lifter Ceiling pendants.

The Tedisel Ceiling pendants integrate and support a wide range of equipment inside the same limited space. They guarantee an ergonomic and functional layout, for both the health care personnel and the patient.

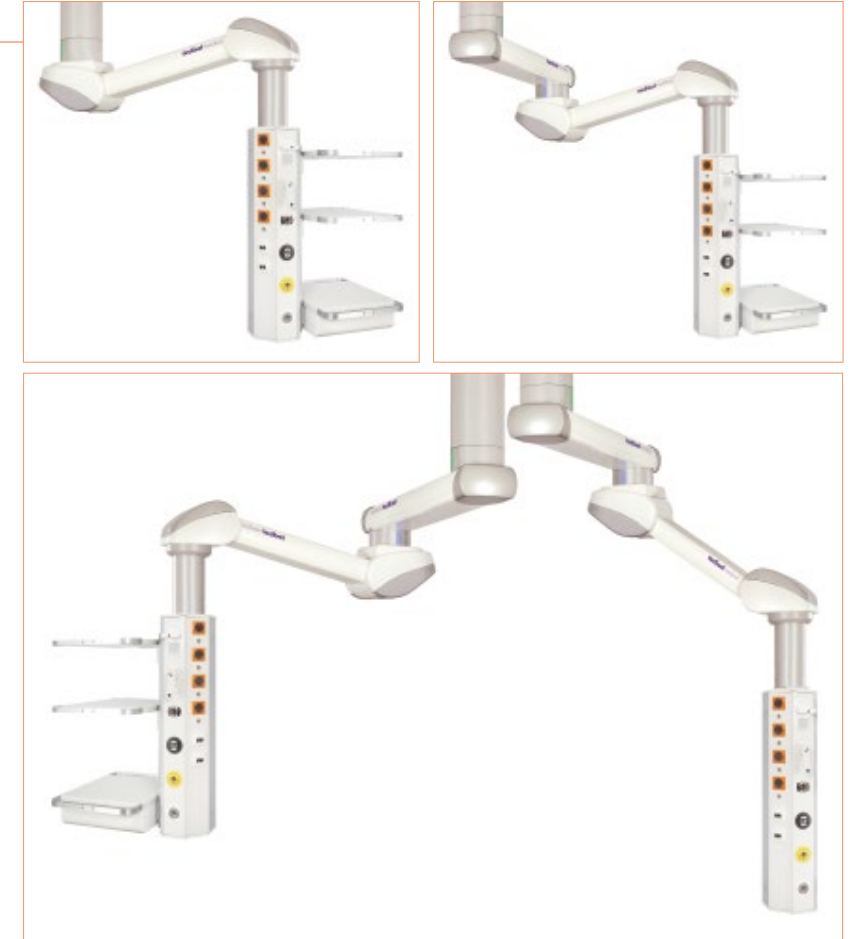
Main Characteristics:

- Payload:
 - TDSLift150M: up to 150 kg
 - TDSLift250M: up to 250 kg
- Braking mode: Electromagnetic or Electropneumatic
- Height adjustment: 700 mm in 10-12 sec (20°+30°)
- Motor control: Setup to customer needs
- On site installation: Large openings to access the system
- Design: No visible screws
- Customizable according to each customer need

Motor arms

The arms facilitate the proximity of the medical equipment to the health care personnel.

Depending on the space available in the operating theatre, and the equipment needs of each intervention, different arm types can be selected.



Brakes

All the joints of the extension arms are equipped with either electromagnetic or electropneumatic brakes, and controlled by buttons or remote control (for anaesthesia lifter).



Lengths of arms	Complete length	TDSLift 150M		TDSLift 250M	
		Own weight	Payload	Own weight	Payload
Extension arm 1000	1000mm	88 Kg	150 Kg	88 Kg	250 Kg
Extension arms 600+1000mm	1600mm	108 Kg	150 Kg	137 Kg	250 Kg
Extension arms 800+1000mm	1800mm	111 Kg	150 Kg	142 Kg	250 Kg
Extension arms 1000+1000mm	2000mm	114 Kg	150 Kg	147 Kg	250 Kg
Extension arms 1200+1000mm	2200mm	117 Kg	140 Kg	152 Kg	250 Kg
Extension arms 1400+1000mm	2400mm	-	-	157 Kg	240 Kg
Extension arms 1600+1000mm	2600mm	-	-	162 Kg	200 Kg

Special Features



Cable Aid System

Easy routing of cables and hoses *



Collision Warning

Recognizes other systems and wall; warns against collisions in the OR *



Soft Start

Smooth starting and stopping of the arm *



Arm selection LED

Arm selection LED signaling light at the junctions

* Optional