

*Life  
is in the  
details.*



# Ceiling Pendant Systems

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### Standard Duty - for Clinical Applications

Extension Arm Length/Console Arm Length	Load to S.F. x 2.5	Load with S.F. x 4
600mm	580kg	400kg
800mm	420kg	300kg
1000mm	320kg	230kg
1200mm	260kg	190kg
1000mm Vertical Lift	90kg	90kg
600mm/600mm	265kg	185kg
600mm/800mm	220kg	155kg
800mm/1000mm	150kg	110kg
1000mm/1000mm	130kg	90kg
1000mm/1200mm	110kg	80kg
600, 800mm/1000mm Vertical Lift	90kg	90kg
1000mm/1000mm Vertical Lift	90kg	75kg

BeaconMedæS pendant systems have been tested to 40,000 revolutions under the maximum loads shown with a safety factor of 4, ensuring faultless reliability. Loads are shown with the commonly applied safety factors of 2.5 and 4 and refer to the pendant structure operating within the elastic limits of all materials. Other manufacturers may use alternative methods of calculation, such as applying a safety factor relating to catastrophic failure of the pendant system. This method is less stringent and does not provide an accurate comparison with the products described herein.

### Heavy Duty - for Highly Demanding Applications

Extension Arm Length/Console Arm Length	Load to S.F. x 2.5	Load with S.F. x 4
600mm	964kg	650kg
800mm	701kg	460kg
1000mm	551kg	360kg
1200mm	433kg	285kg
750mm Vertical Lift	200kg	200kg
1000mm Vertical Lift	150kg	150kg
600mm/600mm	448kg	280kg
600mm/800mm	371kg	230kg
800mm/1000mm	263kg	160kg
1000mm/1000mm	223kg	140kg
1000mm/1200mm	189kg	110kg
800mm/750mm Vertical Lift	200kg	200kg
800mm/1000mm Vertical Lift	150kg	150kg



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## In Critical Care Areas

Whatever your needs may be, BeaconMedæx has a complete solution to seamlessly integrate with your department. Cirrus and Stratos pendant systems provide convenient access to critical equipment supported by an expertly engineered workstation.

- Designs are configured to your individual needs today, with expandability for tomorrow.
- Enclosed joints and easy clean surfaces minimise the cleaning effort.
- Totally maintenance free systems - no bearing lubrication required, no parts to wear out.
- Wet and dry consoles can readily exchange positions for maximum workspace flexibility.

## Flexibility

Your care delivery adapts to suit individual patients need, so it follows that equipment must be flexible to adapt to your changing needs too. In order to help you provide the best care in each case, our pendant systems are easily configured to provide a tailor made ergonomic workspace environment.

A custom 3D design software package enables us to create and refine each pendant specification with you in person, providing the best solution for each specific application.

In a growing number of wards, nursing teams have adopted colour coded aprons as a visual indicator to aid infection control. The central stripes on each pendant arm can be colour coded to compliment this innovation.

## Reliability

The unique bearing design incorporated into each rotating arm joint has resulted in a smooth effortless movement, with minimal force required to accurately position even the heaviest of loads.

So confident are we in the reliability of the bearing mechanisms, we offer a **5 year warranty** as standard.

Robust extruded aluminium profiles have been engineered with the latest finite element analysis techniques to offer high load capacities, while maximising internal cross-sectional area. This provides more service carrying capacity than ever before with space to expand the service consoles to support tomorrows innovations in medical technology.

## For Surgery

With a range of pendants offering both lateral and vertical movement, custom manufactured console designs and a vast array of accessories, an infinite number of possibilities are available to enhance your workspace environment.

- Cantilever vertical lift arms for up to 200kg of equipment.
- Anaesthesia machine docking or lifting system for up to 225kg.
- Solutions for all surgical disciplines, anaesthesia and auxiliary equipment support.
- Oversize hoses for surgical air tools minimise losses, giving higher flows and higher pressure for precision work.

## Ergonomic Design

To achieve maximum flexibility, a double-arm (articulated) pendant with cantilever vertical lift enables precise positioning of all essential services anywhere within a radius of up to 2.4m, and a height of 1.3-2m from the floor. With 330° degrees of rotation on each arm and infinitely variable rotational stops, the pendant console can be swiftly positioned exactly where you need it.

A lifting mechanism can be used to raise the anaesthesia workstation off the floor to, enabling easy and free movement, without being hampered by trailing hoses and cables.

## Safety

The patented pneumatic braking system is supplied from either the medical or surgical air supplies, preventing the arms and console from rotating until desired. The cantilever vertical lift is also designed to be fail-safe in the event of power failure.

Rotational stops are provided to ensure the pendant system is prevented from moving into walls or delicate equipment. These are easily adjusted as the working environment evolves. A unique damper cushions the movement as an arm nears its limit of travel, totally eliminating vibration or sudden shocks to sensitive medical devices.

