DAESSY

GETTING STARTED

How to fit, and evaluate your mount to order

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Making technology more accessible since 1986.

Evaluating and fitting your mount

The purpose of a mount assembly is to support a communication device or computer for access by a user.

All DAESSY mounting assemblies can be mounted on either the left or right side of a wheelchair with the exception of the DAESSY Lockable Rear Folding Mount (DLRFM8) which needs to be specified right or left from the User's point-of-view when ordering.

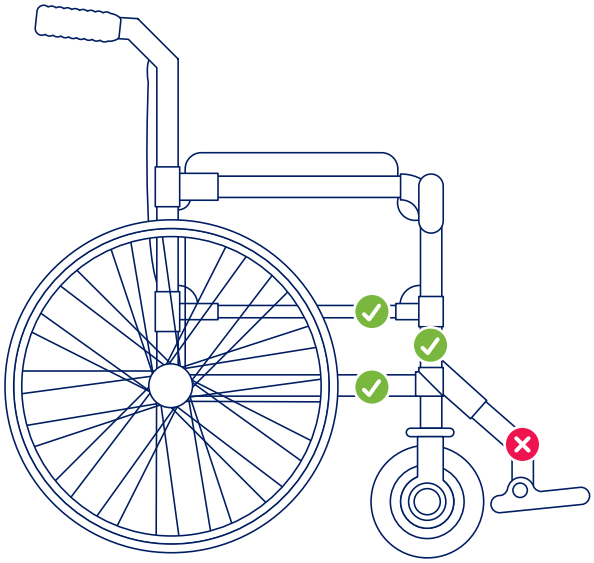
By following the steps below, you will ensure that the correct components are specified in your order.

There are three steps to fitting your mount:

1. Selecting the Frame Clamp location
2. Determining the Frame Clamp Inner Piece Size
3. Measuring the Tube Lengths

Step 1: Selecting the Frame Clamp location

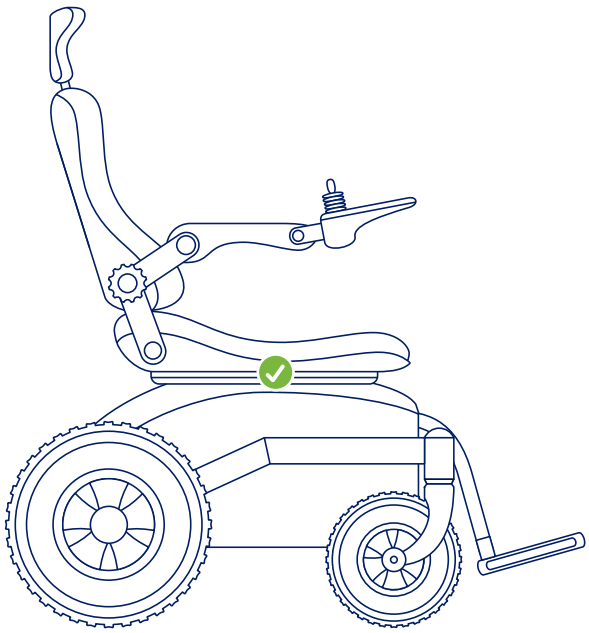
The location on any wheelchair chosen to attach a mount must be a strong base, usually the main frame or seat frame. A location as far forward and higher on the frame will enable the mount height and size to be minimized. A greater mount height and length puts more force on the frame clamp assembly. The information below addresses the most common situations, however, is not exhaustive of all situations which may be encountered.



Non-Tilting Seat System

The selected location must be part of the wheelchair frame, not a removable armrest or footrest.

For a Fixed Manual Wheelchair Frame, the most common location will be near the Front Caster Wheel but preferably not above it as the Vertical Tube for the mount protrudes down through the hole in the Frame Clamp Outer Piece and the range of height adjustment for the mount may be limited if the tube interferes with the Front Caster Wheel.



Tilting Seat System + Power Wheelchairs

If the Tilting Seat System is used, the Frame Clamp should be attached to the seat frame. A Side Mount Style Inner Piece will be needed if there is insufficient space between the Seat Pan and Seat Frame on round tube seat frames.

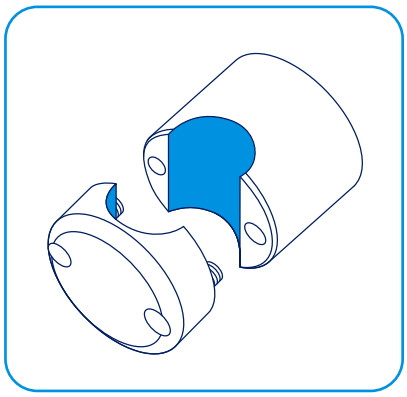
Power Wheelchairs often have a channel track on the seatframe that a bolt-on adapter with track nuts will fit.

Step 2: Determining the Frame Clamp Inner Piece

For wheelchair frames with round tubing, determining the dimensions of the wheelchair frame tubing is necessary to obtain the correct **Frame Clamp Inner Piece** size.

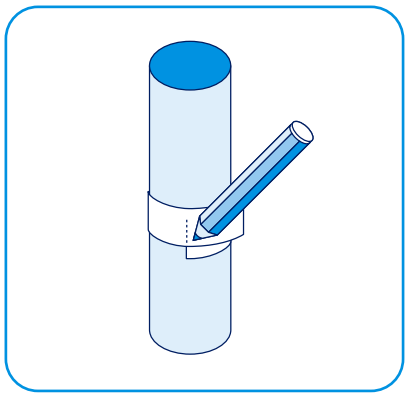
Measuring round tubing

The preferred method for measuring round wheelchair frame tubing is to use a micrometer or dial caliper to measure the diameter. If these tools are not available, the method below will help determine the circumference.



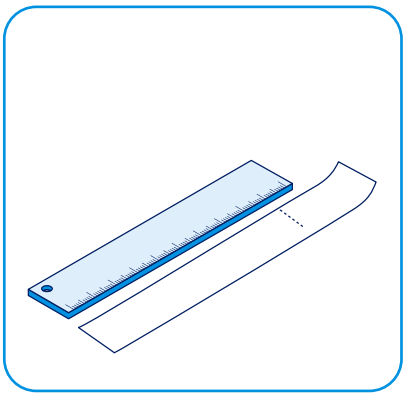
1.

The size of the Frame Clamp Inner Piece is determined by measuring the circumference of your wheelchair frame tubing.



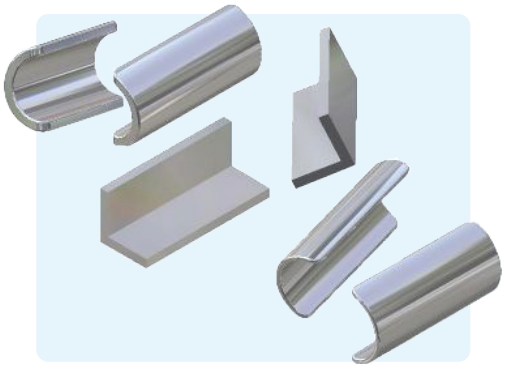
2.

To determine the circumference, wrap a strip of paper around your wheelchair frame tubing and mark where it overlaps.



3.

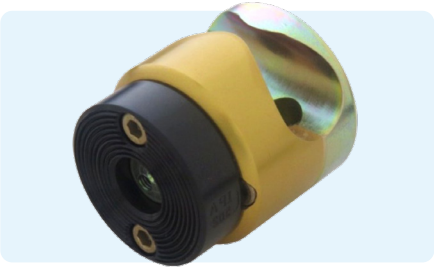
Then straighten and lay out the strip of paper and use a ruler to measure the circumference.



Adapter Sleeves

Tubing dimensions which fall between any of the Standard sizes or are below 7/8” diameter are fitted using Adapter Sleeves. This includes some non-Standard tube shapes. Adapter Sleeves are available in custom sizes on special order. Contact DAESSY for more info.

PLEASE NOTE: Adapter sleeves may not be used in Side Mount or Front Side Mount Inner Pieces, or with certain wheelchair model specific Frame Clamp Inner Pieces.



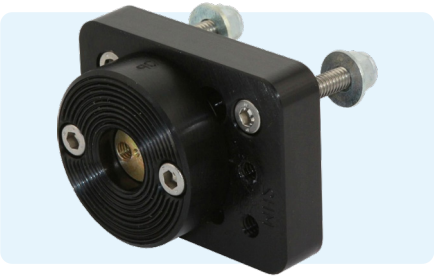
Special Frame Clamp Inner Pieces

When a seat pan restricts access above the wheelchair frame tubing, it may be possible to use a Side Mount Inner Piece, which requires no clearance above the tubing. The most common style, UFC1000SMIP can only be accessed from the interior of the wheelchair frame. If the interior of the wheelchair frame is not accessible a Front Side Mount Inner Piece (xxxxFSMIP) is available.

Adapter Sleeves cannot be used with Side Mount style Clamps.

Side-Mount Inner Piece sizes	
Dimensions	**Part Code**
7/8"	UFC875SMIP
1"	UFC1000SMIP
Narrow 1"	NISMIP

Front Side-Mount Inner Piece sizes	
Dimensions	**Part Code**
7/8"	875FSMIP
1"	1000FSMIP



Bolt-on + Track System Inner Pieces

Some wheelchairs do not have tubing onto which a Frame Clamp Inner Piece can be attached. A Bolt-on Adapter may attach to partially accessible frame tubing or pre-existing boltholes in the body of the wheelchair. Many power wheelchairs have a channel along the seat frame into which attachments are connected with track nuts.

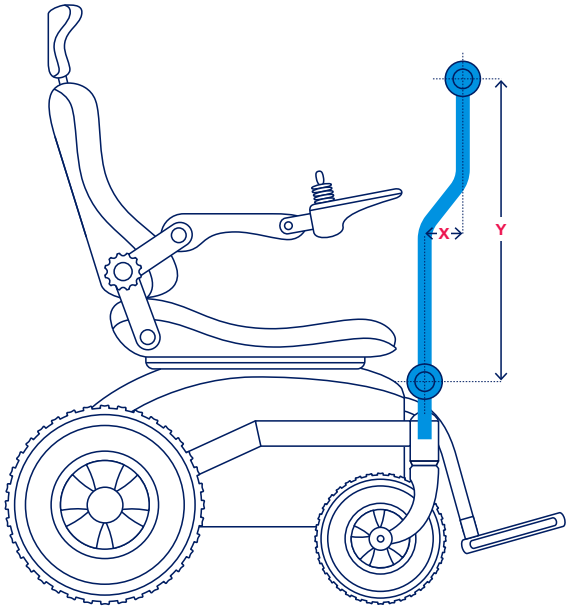
Contact us for information on track systems not listed below.

Dimensions	Part Code
Multi-Hole Inner Piece	MH2 / IPA
Slot-Hole Inner Piece	SH3 / IPA
Quantum / Invacare Track System	MH2 / IPA + TNUT
Permobil Track System	UTPA / IPA

Step 3: Measuring the S-Tube Length and Shape

When mounting a device, it must be correctly positioned for the user. Direct select access usually requires the device to be close to the user and slightly above lap height, and eye gaze or head pointer accessed devices must be higher and further from the user.

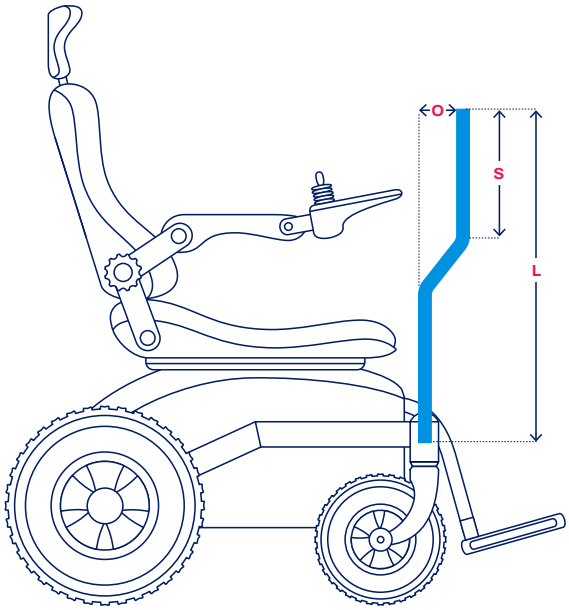
The DAESSY Mounting System provides methods of configuration adjustment to correctly position a mounted device vertically, and forward and backward, relative to the attachment point of the frame clamp supporting the mounting assembly. The primary method is the S-Bent Vertical Tube of the Rigid Mount, the Folding Mount ROP, or Swing Aside Mount. Offset Links (O3L and O3LS) provide further adjustment.



The X and Y Measurements

Two measurements are needed to determine the length and shape of the S-Bent Vertical Tube. As shown in the diagram, these measurements are the horizontal distance (**X**) and vertical distance (**Y**) up the side of the wheelchair, between the Frame Clamp Outer Piece and the intended location of the Horizontal Tube. These measurements must be taken from the location of the Frame Clamp Outer Piece not the location of the Frame Clamp Inner Piece. When an Offset Link is used, the Outer Piece will not be located at the same place as the Inner Piece.

When the DAESSY Quick Release is used to attach the device to the Horizontal Tube the centerline of most devices is between 1" and 3" forward of the tube (away from the user). For very precise horizontal positioning contact us for more information.



The S-Tube

The S-Tube is specified by three measurements with their respective minimum lengths:

(**L**) **Overall length** (minimum 14")

(**O**) **Offset distance** (minimum 3")

(**S**) **Optional: Shortest straight length before bend** (minimum 3")