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LOGICDATA
MOTION FOR YOUR LIFE

DYNAMIC MOTION **system**

DMD660

Manual

motion
for
your
LOGIC OFFICE

DMD660 - Operating Manual

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CONTENTS

1 GENERAL INFORMATION

Documentation for the DMD660 consists of this Operating Manual and several other documents (Other applicable documents, page 5). Assembly personnel must read all documentation before starting assembly. Keep all documentation for as long as the product is in your possession. Ensure that all documentation is provided to subsequent owners. Go to www.logicdata.net for more information and support. This Manual may change without notice. The most recent version is available on our website.

1.1 OTHER APPLICABLE DOCUMENTS

This Operating Manual is part of the documentation required to safely assemble and operate the DYNAMIC MOTION SYSTEM (DM System). Other applicable documents include:

- DYNAMIC MOTION System Manual
- Datasheet and Operating Manual for the installed User Interface (Handset or other)
- Datasheet for the installed Power Unit

1.2 COPYRIGHT

1.3 ROYALTY-FREE USE OF IMAGES AND TEXT

After purchase and full payment of the product, all text and images in Chapter 2 “Safety”, may be used free of charge by the customer for 10 years after delivery. They should be used to prepare end user documentation for Height-Adjustable Table Systems. The license does not include logos, designs, and page layout elements belonging to LOGICDATA. The Reseller may make any necessary changes to the text and images to adapt them for the purpose of end user documentation. Texts and images may not be sold in their current state, and may not be published or sublicensed digitally. The transfer of this license to third parties without permission from LOGICDATA is excluded. Full ownership and copyright of the text and graphics remain with LOGICDATA. Texts and graphics are offered in their current state without warranty or promise of any kind. Contact LOGICDATA to obtain text or images in an editable format (documentation@logicdata.net).

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2 SAFETY

2.1 TARGET AUDIENCE

This Operating Manual is intended for Skilled Persons only. Refer to Chapter 2.8 Skilled Persons on page 9 to ensure that personnel meet all requirements.

2.2 GENERAL SAFETY REGULATIONS

In general, the following safety regulations and obligations apply when handling the product:

- Do not operate the product unless it is in a clean and perfect condition
- Do not remove, change, bridge, or bypass any protection, safety, or monitoring equipment
- Do not convert or modify any components without written approval from LOGICDATA
- In the event of malfunction or damage, faulty components must be replaced immediately
- Unauthorized repairs are prohibited
- Do not attempt to replace hardware unless the product is in a de-energized state
- Only Skilled Persons are allowed to work on the DMD660
- Ensure that national worker protection conditions and national safety and accident prevention regulations are observed during operation of the system

2.3 INTENDED USE

The DMD660 is a Spindle Actuator for electrically Height-Adjustable Tables. It is installed by Resellers in a Height-Adjustable Column for electrically Height-Adjustable Tables. It is controlled by an integrated Control Unit. It is intended for indoor use only. The system may only be installed in compatible Height-Adjustable Tables and with LOGICDATA-approved accessories. Contact LOGICDATA for further details. Use beyond or outside the intended use will void the product's warranty. Please refer to the Operating Manual of each product in the DM System to determine its individual intended use.

2.4 REASONABLY FORESEEABLE MISUSE

Usage outside of the intended use for each product may lead to minor injury, serious injury, or even death. Reasonably foreseeable misuse of the system includes, but does not extend to:

- Using the system as a climbing or lifting aid for people or animals
- Connecting unauthorized parts to the product. If you are unsure as to whether a part can be used with the DMD660, contact LOGICDATA for further information
- Overloading the Table System (see below)

NOTICE

Load limits are defined as follows:

- Maxiumum Static Force: **1200 N**
- Maximum Pull Force on the Actuator: **150 N**

Permissible loads refer only to the DMD660. They do not account for additional loads. Resellers must include information about maximum permissable loads in the documentation for their final product.

2.5 EXPLANATION OF SYMBOLS AND SIGNAL WORDS

Safety Notices contain both symbols and signal words. The signal word indicates the severity of the hazard.

DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE	Indicates a situation which, if not avoided, could result in damage to the product through electrostatic discharge (ESD).
NOTICE	Indicates a situation that will not lead to personal injury, but could lead to damage to the device or the environment.
INFO	Indicates the protection class of the device: Protection Class III. Protection Class III devices may only be connected to SELV or PELV power sources.
INFO	Indicates important tips for handling the product.

2.6 LIABILITY

LOGICDATA products comply with all currently applicable health and safety regulations. However, risk can result from incorrect operation or misuse. LOGICDATA is not liable for damage or injury caused by:

- Improper product use
- Disregard of the documentation
- Unauthorized product alterations
- Improper work on and with the product
- Operation of damaged products
- Wear parts
- Improperly performed repairs
- Unauthorized changes to the operating parameters
- Disasters, external influence, and force majeure

The information in this Operating Manual describes the characteristics of the product without assurances. Resellers assume responsibility for the LOGICDATA products installed in their applications. They must ensure their product complies with all relevant directives, standards, and laws. LOGICDATA shall not be held

liable for any damage that is directly or indirectly caused by the delivery or use of this document. Resellers must observe the relevant safety standards and guidelines for each product in the Table System.

2.7 RESIDUAL RISKS

Residual risks are the risks that remain after all relevant safety standards have been complied with. These have been evaluated in the form of a risk assessment. Residual risks associated with assembly and installation of the DMD660 are listed here and throughout this Operating Manual. The risks associated with the system as a whole are listed in the System Manual. See also Chapter 1.1 Other Applicable Documents on page 5. The symbols and signal words used in this Operating Manual are listed in Chapter 2.5 Explanation of Symbols and Signal Words on page 7.

WARNING **Risk of death or serious injury through electric shocks**

The DMD660 is an electrical device. Although you will not have to connect the device to the Power Unit during assembly, basic safety precautions must be taken at all times. Failure to observe electrical safety precautions may lead to death or serious injury through electric shocks.

- Never open the DMD660 or its components
- Ensure that the DMD660 is not connected to the Power Unit during assembly
- Do not convert or modify the DMD660 in any way
- Do not immerse the DMD660 or its components in liquid. Clean only with a dry or slightly damp cloth
- Do not place the Cable of the DMD660 on heated surfaces
- Check the housing and cables of the DMD660 for visible damage. Do not install or operate damaged products.

WARNING **Risk of death or serious injury through electric shocks**

The DMD660 is a Protection Class III device. It may only be supplied with safety extra-low voltage (SELV). Supplying the DMD660 with the incorrect voltage may lead to death or serious injury through electric shocks.

- Only supply the DMD660 with safety extra-low voltage (SELV)
- Read the product's Type Plate for exact voltage specifications

WARNING **Risk of death or serious injury in explosive atmospheres**

Operating the DMD660 in potentially explosive atmospheres may lead to death or serious injury through explosions.

- Read the relevant directives to determine if an atmosphere is potentially explosive
- Do not operate the DMD660 in potentially explosive atmospheres

CAUTION **Risk of minor or moderate injury through unexpected movement**

Attempting to operate the DMD660 before it is properly mounted may cause unexpected operation. This may lead to minor or moderate injury.

- Do not operate the DMD660 until it is properly mounted
- Read the DM System Manual for safety advice during operation

CAUTION **Risk of minor or moderate injury through unexpected movement**
Exceeding the static or dynamic load limits of the DMD660 may cause unexpected operation. This may lead to minor or moderate injury.
- See page 6 and read the product's Datasheet to determine the relevant load limits
- Do not exceed load limits

2.8 SKILLED PERSONS

CAUTION **Risk of injury through incorrect assembly**
Only Skilled Persons have the expertise to complete the assembly process safely.
Assembly by Unskilled Persons may lead to minor or moderate injury.
- Ensure that only Skilled Persons are allowed to complete assembly
- Ensure that persons with limited ability to react to danger do not take part in the assembly process

The DMD660 may only be assembled by Skilled Persons. A Skilled Person is defined as someone who:

- Is authorized for installation planning, installation, commissioning, or servicing of the product
- Has read and understood all documentation relevant to the DM System and its component products
- Has the technical education, training, and/or experience to perceive risks and avoid hazards
- Has knowledge of the specialist standards applicable to the product
- Has the expertise to test, assess, and manage electrical and mechatronic products and systems in accordance with the generally accepted standards and guidelines of electrical engineering and furniture manufacturing

2.9 NOTES FOR RESELLERS

Resellers are companies that purchase LOGICDATA products for installation in their own products.

INFO For reasons of EU conformity and product safety, Resellers should provide end users with an Operating Manual in their native EU official language.

INFO Operating Manuals must include all the safety instructions that end users require to handle the product safely. They must also include an instruction to always keep the Operating Manual in the immediate vicinity of the product.

INFO No unauthorized persons (young children, persons under the influence of medications, etc.) should be allowed to handle the product.

INFO Resellers must perform a risk assessment on their product that covers residual hazards. It must include measures to mitigate risk, or reference the product's Operating Manual.

INFO Permissible loads and speeds refer to the DMD660. Resellers must take additional loads (friction, torque loads, deadweight of the table) into account. See page 6.

3 SCOPE OF DELIVERY

The standard scope of delivery for the DMD660 consists of the following components:

1	DMD660 Linear Actuator

The Top Plate Mounting Screws must be ordered from LOGICDATA separately.

All other components required for assembly, e.g. the Adapter Sleeve and Fixing Ring, the Middle Tube Adapter, the Top Plate and Bottom Plate, and the Bottom Plate Mounting Screw are to be provided by the Reseller unless otherwise stated by LOGICDATA.

4 UNPACKAGING

NOTICE	Ensure proper ESD handling during unpackaging. Damage that can be attributed to electrostatic discharge will void warranty claims.

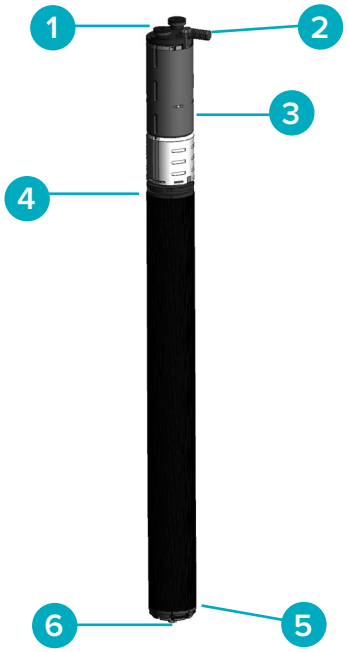
The DMD660 is packaged in cardboard. To unpackage the product:

1. Remove all components from the packaging
2. Check the contents of the package for completeness and damage
3. Provide the Operating Manual to the operating personnel
4. Dispose of the packaging material

NOTICE	Dispose of the packaging material in an environmentally friendly manner. Remember to separate plastic parts from the cardboard packaging.

5 PRODUCT

1	Motor End Attachment Point
2	Cable
3	Motor and Control Unit
4	Middle Tube Attachment Point (installation variant – Thick Tube Up)
5	Middle Tube Attachment Point (installation variant – Thick Tube Down)
6	Spindle End Attachment Point



5.1 ACTUATOR DIMENSIONS

Fig. 1 shows the dimensions of the DMD660 in its reset position, installation position, and extended position.

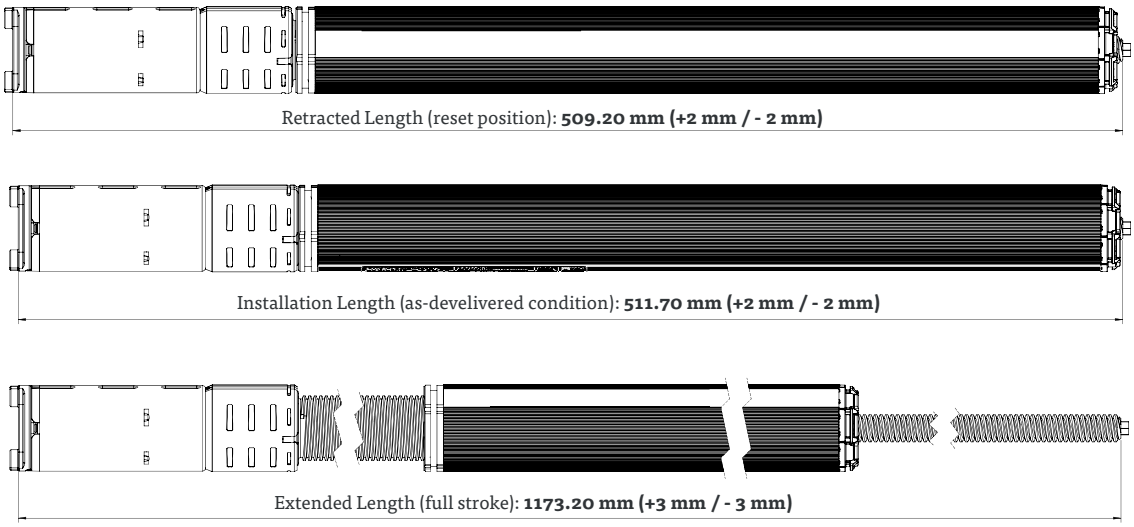


Fig. 1: Actuator Dimensions

6 PRE-ASSEMBLY

Chapters 6, 7, 8, and 9 of this Operating Manual describe the process of installing the DMD660 into the Height-Adjustable Column. You must read the documentation for each part of the system (User Interface, Power Hub, etc.) for that product's mounting instructions, and the System Manual for instructions on connecting the system. The processes shown in Chapters 7, 8, and 9 assume the DMD660 is to be installed in a Height-Adjustable Column in which the Top Plate can be removed (i.e. it is not permanently connected to the Tube closest to the Table Top). Contact LOGICDATA for instructions and safety advice on mounting the Actuator into other types of Height-Adjustable Columns.

6.1 SAFETY DURING ASSEMBLY

CAUTION **Risk of minor or moderate injury through improper handling**
Improper handling of the product during assembly may lead to minor or moderate injury through cutting, pinching, and crushing.
- Avoid contact with sharp edges
- Ensure assembly complies with the generally accepted standards and guidelines of electrical engineering and furniture manufacturing
- Read all instructions and safety advice carefully

CAUTION **Risk of minor or moderate injury through tripping**
During assembly and operation, poorly routed Cables may become a trip hazard. Tripping over Cables may lead to minor or moderate injury.
- Ensure that Cables are routed properly to avoid trip hazards
- Be careful not to trip over Cables when assembling the DMD660

NOTICE Ensure proper ESD handling during assembly. Damage that can be attributed to electrostatic discharge will void warranty claims.

NOTICE To avoid damage to the product, measure the dimensions of the DMD660 before assembly. Use a gauge or other suitable measuring equipment to do this.

NOTICE Before assembly, all parts must be acclimatised to the ambient conditions.

NOTICE Ensure the Height-Adjustable Column is of a sufficient length. The DMD660 must reach its final position before the Column is fully extended.

NOTICE Non-standard Spindle settings may only be applied with approval from LOGICDATA.

NOTICE Do not lift the DMD660 by its cable. This will cause irreperable damage to the product.

INFO Perform a product risk assessment so that you can respond to potential residual hazards. Assembly instructions must be included in your end user Operating Manual.

6.2 ASSEMBLY VARIANTS

There are two assembly variants for the DMD660. The variant you require depends on the type of Height-Adjustable Column that the Actuator will be installed in. These are defined as follows:

- “Thick Tube Up”: The Tube with the largest diameter is at the top (Table Top).
- "Thick Tube Down”: The Tube with the largest diameter is at the bottom (floor).

INFO For Assembly and Safety Instructions for "Thick Tube Up" Height-Adjustable Columns, go to Chapter 7. For "Thick Tube Down" Height-Adjustable Columns, go to Chapter 8.

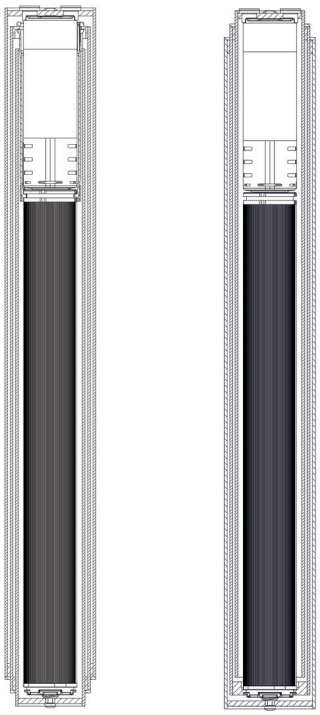


Fig. 2: “Thick Tube Up” (left) and “Thick Tube Down” (right) in their retracted positions

NOTICE In both installation variants, the inner diameter of the Inner Tube must be wide enough that an all-round air gap of 3 mm between the inner wall of the Inner Tube and the DMD660 is guaranteed.

NOTICE Height-Adjustable Columns must be designed so that the Motor End of the DMD660 always faces up and Spindle End faces down.

NOTICE In order to function properly, Height-Adjustable Columns must comply with the tolerances specified by LOGICDATA. Failure to comply will void all warranty claims. Information on tolerances is published by LOGICDATA on request.

6.2.1 SYNCHRONOUS MOVEMENT

The DMD660 must be attached to the Middle Tube of the Height-Adjustable Column. This allows the Middle Tube of the Height-Adjustable Column to move synchronously. The distance between the Middle Tube and the Motor End is always the same as the distance between the Middle Tube and the Spindle End (Fig. 3).

Fig. 3: Synchronous movement of the Middle Tube results in the distances marked by x remaining equal. This is not affected by the height of the Table Top.

6.3 PREPARING THE ACTUATOR

Before starting assembly, you must prepare the Motor End and Spindle End of the DMD660 Actuator.

6.3.1 ADJUSTING THE MOTOR END

Before it can be mounted into the Height-Adjustable Column, the Motor End of the DMD660 must be in the correct position. Proceed as follows to achieve this position:

1. Turn the Aluminium Tube counter clockwise until it reaches the end position
2. Turn the Tube in the opposite direction until it is 1.25 mm from the end position. This is called the Installation Position.

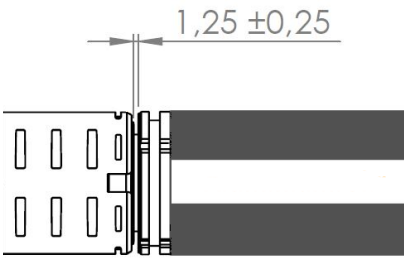


Fig. 4: Adjusting the Motor End

6.3.2 ADJUSTING THE SPINDLE END

Proceed as follows to achieve the Installation Position for the Spindle End:

1. Turn the Spindle so that it protrudes 6 mm from the end of the Actuator (Fig. 5)
2. Ensure the Spindle does not move from this position during assembly

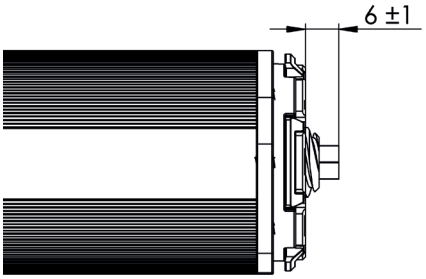


Fig. 5: Adjusting the Spindle End

7 ASSEMBLY - THICK TUBE UP

This section describes assembly for the DMD660 into "Thick Tube Up" Height-Adjustable Columns. The "Thick Tube Up" variant requires the installation of an Adapter Sleeve (7.1.1 Required Components).

If you are installing the DMD660 into a “Thick Tube Down” Height-Adjustable Column, skip this chapter and continue at Chapter 8.

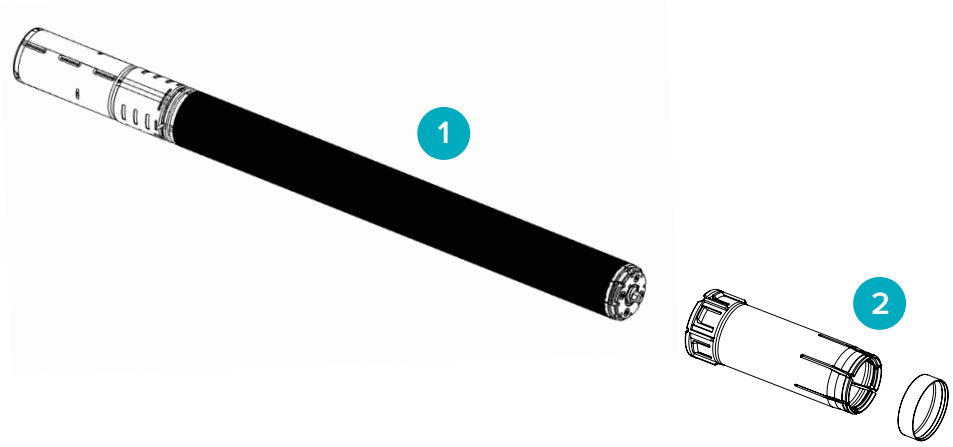
7.1 ATTACHING THE ADAPTER SLEEVE

In "Thick Tube Up" Height-Adjustable Columns, an Adapter Sleeve is required to connect the Actuator to the Middle Tube Adapter in the Height-Adjustable Column.

This section describes the attachment process for the Adapter Sleeve. If your DMD660 Actuator has a LOGICDATA pre-assembled Adapter Sleeve, skip this section and proceed to Chapter 7.2.

7.1.1 REQUIRED COMPONENTS

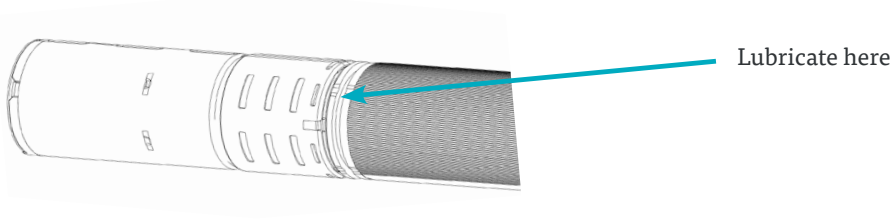
1	DMD660 Actuator
2	Adapter Sleeve and Fixing Ring



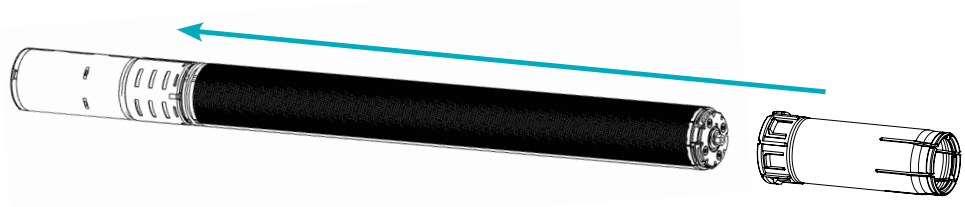
7.1.2 PROCESS

To attach the Adapter Sleeve:

1. Properly lubricate the Actuator's Spindle Nut to minimize friction between the Adapter Sleeve and the DMD660. Consult LOGICDATA for a list of recommended lubricants.



2. Slide the Adapter Sleeve along the Actuator so that it snaps into place at the Motor End. Ensure all flaps have been snapped into place.



3. Slide the Fixing Ring along the Actuator and snap it into place at the top of the Adapter Sleeve. This will fix the Adapter Sleeve into place.

4. Rotate the Adapter Sleeve to ensure that it can turn smoothly and quietly

NOTICE Ensure the Fixing Ring has been mounted correctly. It should not project out from the outside edge of the Actuator. Attaching the Fixing Ring in the wrong direction may damage the system.

7.2 INSERTING THE ACTUATOR

At this stage of assembly, the DMD660 is attached to the Middle Tube of the Height-Adjustable Column using a special Middle Tube Adapter. This component is supplied by the Reseller.

NOTICE LOGICDATA provides specifications for the Middle Tube Adapter only on request. These include dimensions and tolerances, as well as notes on material selection and assembly. Assembling the Middle Tube with an Adapter that is not approved by LOGICDATA may cause damage to the product. In this scenario, all warranty claims are void.

NOTICE To avoid damage to the system, measure the friction between the Tubes before connecting the Actuator.

NOTICE The maximum pull force on the Middle Tube Adapter may not exceed 150N. If this force is exceeded, a functional reset cannot be guaranteed.

7.2.1 REQUIRED COMPONENTS

1	DMD660 Actuator
2	Height-Adjustable Column
3	Middle Tube Adapter (mounted into the Height Adjustable Column)

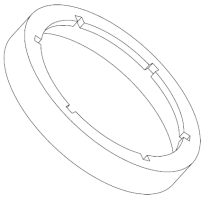


Fig. 6: Example of a Middle Tube Adapter (Thick Tube Up)

7.2.2 PROCESS

1. Mount the Middle Tube Adapter into the Middle Tube
2. Insert the three Tubes of the Height-Adjustable Column into each other
3. Measure the gliding properties of the Tubes
4. Insert the Actuator into the Height-Adjustable Column (Fig. 7)

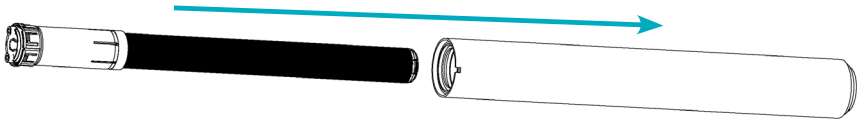


Fig. 7: Inserting the Actuator into a cylindrical Height-Adjustable Column

7.3 COMPLETING ASSEMBLY

After the Actuator has been mounted into the Middle Tube of the Height-Adjustable Column, proceed to Chapter 9 for instructions on mounting the Spindle and Motor Ends.

8 ASSEMBLY - THICK TUBE DOWN

This section describes assembly for the DMD660 into "Thick Tube Down" Height-Adjustable Columns. The following assembly instructions are valid only for versions of the DMD660 with Drop&Drive. Consult the accompanying Datasheet if you are unsure whether your version of the DMD660 features Drop&Drive.

If you are inserting the DMD660 into a “Thick Tube Up” Height-Adjustable Column, ignore this chapter and return to Chapter 7. If you have already inserted the Actuator, proceed to Chapter 9.

8.1 REQUIRED COMPONENTS

1	DMD660 Actuator
2	Height-Adjustable Column
3	Middle Tube Adapter (mounted into the Height-Adjustable Column)

8.1.1 MIDDLE TUBE ADAPTER

The Middle Tube Adapter (Fig. 8) fixes the DMD660 to the Middle Tube of the Height-Adjustable Column. It is supplied by the Reseller.

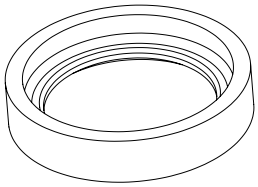


Fig. 8: Example of a Middle Tube Adapter (Thick Tube Down)

The Middle Tube Adapter must be securely fixed into the Middle Tube of the Height-Adjustable Column before the assembly process can begin.

NOTICE LOGICDATA provides specifications for the Middle Tube Adapter only on request. These include dimensions and tolerances, as well as notes on material selection and assembly. Assembling the Middle Tube with an Adapter that has not been approved by LOGICDATA may cause damage to the product. In this scenario, all warranty claims are void.

NOTICE To avoid damage to the system, measure the friction between the Tubes before connecting the Actuator.

NOTICE The maximum pull force on the Middle Tube Adapter may not exceed 150N. If this force is exceeded, a functional reset cannot be guaranteed.

8.2 PROCESS

INFO Contact LOGICDATA for advice on suitable production aids, joining forces and joining speeds. Failure to perform the process properly may result in damage to the DMD660.

1. Mount the Middle Tube Adapter into the Middle Tube
2. Insert the three Tubes of the Height-Adjustable Column into each other
3. Measure the gliding properties of the Tubes
4. Properly lubricate the Actuator's Nut Insert (Fig. 9) to minimize friction between the Middle Tube Adapter and the DMD660. Consult LOGICDATA for a list of recommended lubricants

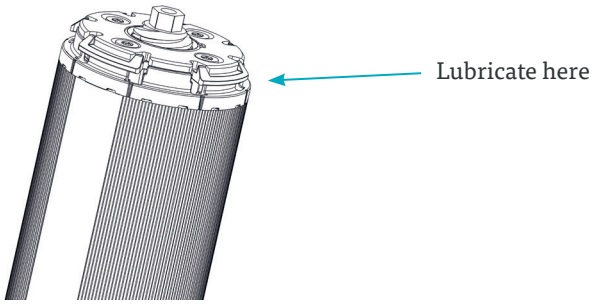


Fig. 9: Lubricating the Nut Insert

5. Use a suitable production tool (e.g. a hydraulic press) to insert the Actuator into the Height-Adjustable Column (Fig. 10)

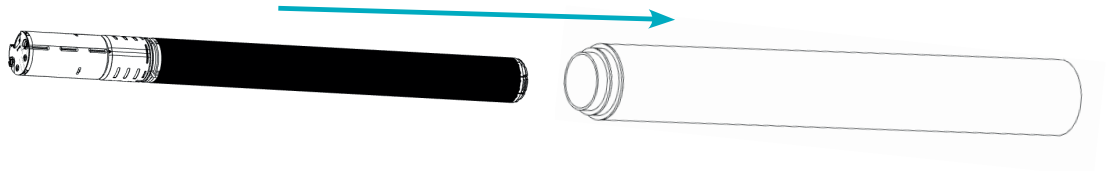


Fig. 10: Inserting the Actuator into a cylindrical Height-Adjustable Column (Thick Tube Down)

8.3 COMPLETING ASSEMBLY

After the Actuator has been mounted into the Middle Tube of the Height-Adjustable Column, proceed to Chapter 9 for instructions on mounting the Spindle and Motor Ends.

9 ASSEMBLY - END POINTS

9.1 STEP 1 - ATTACHING THE MOTOR END

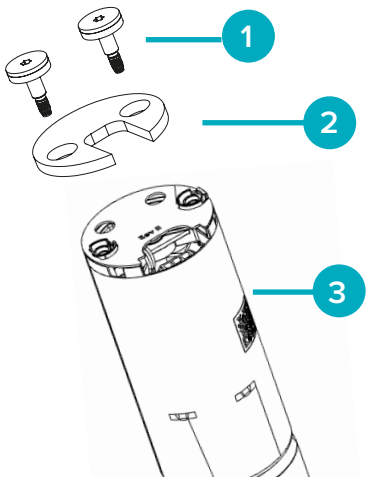
The Motor End is connected to the Height-Adjustable Column with a specially-made Top Plate.

NOTICE Attaching the Motor End incorrectly could damage the DMD660. The following guidelines apply during this stage of the assembly process. Failure to comply will void warranty claims.

- Do not lift the DMD660 by its cable
- Ensure the Top Plate is designed according to LOGICDATA specifications
- Do not mount the Top Plate without the Rubber Washers
- Only use the Screws provided by LOGICDATA to mount the Top Plate
- Use a Torque Screwdriver to ensure the Screws are tightened to the recommended torque of 2.5 - 3 Nm

9.1.1 REQUIRED COMPONENTS

1	Mounting Screws and Rubber Washers (Ordered separately: Contact LOGICDATA)
2	Top Plate (developed by Reseller: contact LOGICDATA for specifications)
3	DMD660
Tool	Torque Screwdriver



INFO LOGICDATA provides specifications for the Top Plate only on request. These include dimensions and tolerances, as well as notes on material selection and assembly. Failure to adhere to LOGICDATA specifications will void warranty claims.

9.1.2 PROCESS

To attach the Motor End of the DMD660:

1. Insert the Mounting Screws through the Top Plate into the holes at the top of the DMD660
2. Use the Torque Screwdriver to tighten the Screws to 2.5 - 3 Nm.

9.2 STEP 2 - ATTACHING THE SPINDLE END

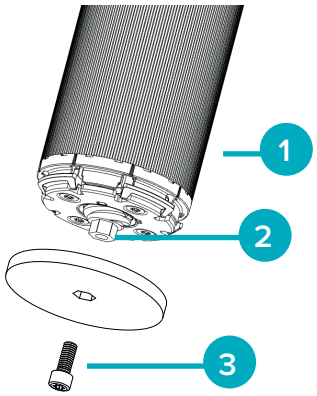
The Spindle End is connected to the Height-Adjustable Column with a specially-made Bottom Plate.

NOTICE Attaching the Spindle End incorrectly could damage the DMD660 irreparably. The following guidelines apply during this stage of the assembly process. Failure to comply will void warranty claims.

- Do not lift the DMD660 by its cable
- Ensure the Bottom Plate is designed according to LOGICDATA specifications
- Use a Torque Screwdriver to tighten the Screw to the recommended torque of 2.5 - 3 Nm.

9.2.1 REQUIRED COMPONENTS

1	DMD660
2	Spindle Attachment Point (see below)
3	Bottom Plate and Mounting Screw (developed by Reseller: contact LOGICDATA for specifications)
Tool	Torque Screwdriver



INFO LOGICDATA provides specifications for the Bottom Plate only on request. These include dimensions and tolerances, as well as notes on material selection and assembly. Failure to adhere to LOGICDATA specifications will void warranty claims.

The Spindle Attachment Point has an M4 thread. This fixes the Actuator to the Bottom Plate of the Height-Adjustable Column using the Mounting Screw (Fig. 11).

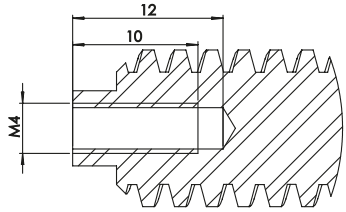


Fig. 11: Spindle Attachment Point

9.2.2 PROCESS

To attach the Spindle End of the DMD660:

1. Insert the Mounting Screw through the Bottom Plate into the Spindle Attachment Point
2. Use a Torque Screwdriver to tighten the Screw

9.2.3 COMPLETING ASSEMBLY

After the DMD660 is attached to the Height-Adjustable Column, you must connect the Actuator Cable to the System. Refer to the DYNAMIC MOTION System Manual for instructions on your chosen configuration.

10 ADDITIONAL INFORMATION

10.1 OPERATION

Instructions for operating the system can be found in the DYNAMIC MOTION System Manual.

10.2 SOFTWARE-DEPENDENT FUNCTIONS

A full list of Software-Dependent Functions can be found in the DYNAMIC MOTION System Manual.

10.3 DISASSEMBLY

To disassemble the DMD660, ensure that it has been disconnected from the Power Unit. Then, follow the assembly instructions in reverse order.

10.4 MAINTENANCE

The DMD660 is maintenance-free for its entire service lifetime.

WARNING **Risk of death or serious injury through electric shocks and other hazards**

Operating the system using unauthorized spare or accessory parts may lead to death or serious injury through electric shocks and other hazards.

- Only use accessory parts produced or approved by LOGICDATA
- Only use replacement parts produced or approved by LOGICDATA
- Only allow Skilled Persons to perform repairs or install accessory parts
- Contact customer services immediately if the system malfunctions

The use of unauthorized spare or accessory parts may cause system damage. Warranty claims are void in this scenario.

10.4.1 REPLACING THE DMD660

Instructions for replacing the DMD660 can be found in the DYNAMIC MOTION System Manual.

10.5 TROUBLESHOOTING

A list of common problems and their solutions can be found in the DYNAMIC MOTION System Manual.

10.6 DISPOSAL

All products in the DM System are subject to the WEEE Directive 2012/19/EU.

- Dispose of all components separately from household waste. Use designated collection points or disposal companies authorized for this purpose

MOTION FOR YOUR LIFE

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