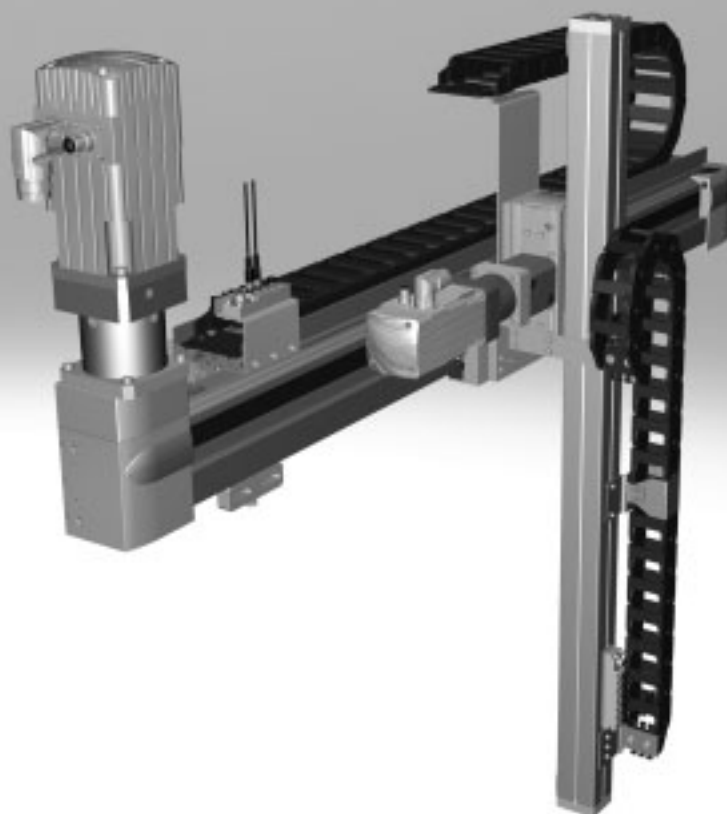


## Linear gantries

**FESTO**



# Linear gantries

Key features

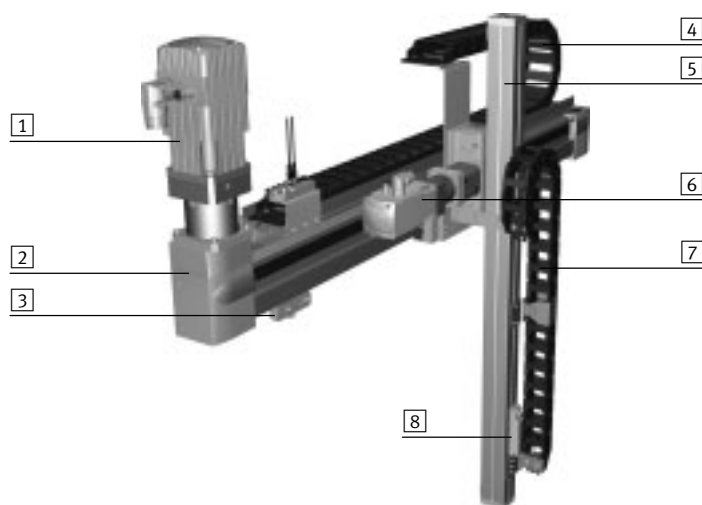
## At a glance

A linear gantry (YXCL) is an assembly of several axis modules (EHM.../DHMZ) to produce a movement in 2D space.

The linear gantry facilitates movement in 2D space.

Depending on the requirements, the gantry is either composed of several axis modules (YXCL) or using the linear gantry EXCT (YXML). All of these are tried-and-tested components from Festo.

- Ideal for long gantry strokes and heavy loads
- High mechanical rigidity and sturdy design
- Frequently used in feeding or loading applications
- Use of tried-and-tested drives/axes from Festo



- 1 Servo motor for Y-module
- 2 Y-axis
- 3 Profile mounting/adjusting kit
- 4 Energy chain for Y-module
- 5 Z-axis
- 6 Servo motor for Z-module
- 7 Energy chain for Z-module
- 8 Multi-pin plug distributor which transfers all electrical signals such as for end-position sensing

## Description of the modules

Y-module

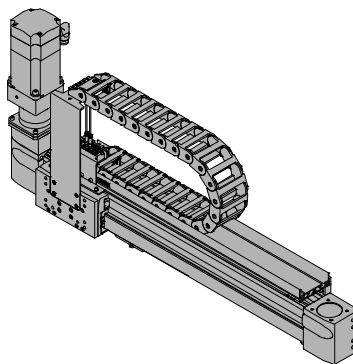
Configuration:

The Y-module EHYM comprises a linear axis which is powered by a servo motor. Adapters are installed on the slides of the Y-axis to connect the Z-module.

The following components are located on the motor side:

- Energy chain
- Multi-pin plug distributor for proximity sensor (if sensor package has been selected)

Sample image:



# Linear gantries

Key features

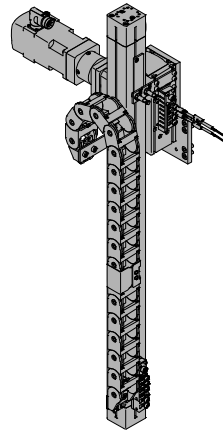
## Description of the modules

### Z-module

Configuration:

The Z-module EHMZ comprises an electric drive, the DHMZ comprises a pneumatic drive. In both variants, an energy chain is attached as a cable guide. The Z-module can be selected using the configurator, depending on the application.

Sample image:

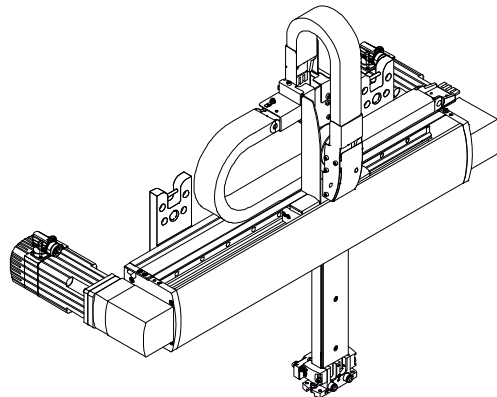


### YZ-module (EXCT)

Configuration:

Two fixed servo motors drive a toothed belt arranged in a T-shape. The toothed belt moves the slide of the Y-axis and the interface located on the Z-axis in a two-dimensional space. A controller calculates the position of the interface. The controlled interaction of the motors results in the movement of the interface. Attachment components enables additional processes to be carried out.

Sample image:



## Dispatch options

### Fully assembled:

The linear gantry is fully assembled. All cables and tubing are installed and connected.

### Partially assembled:

The linear gantry is delivered partially assembled. This means that both axis modules (Y-/Z-axis) are assembled, each with the optional motors. The partially assembled system must be completed by the customer. Help can be found in the assembly instructions provided. Optional accessories (→ page 9) are enclosed. Note flatness → table below.

## System overview<sup>1)</sup>

Size	YXCL-1	YXCL-2	YXCL-3	YXCL-4	YXML-1	YXML-2	YXML-3
Max. working stroke	Y: 1900 mm Z: 50 mm	Y: 3000 mm Z: 800 mm	Y: 3000 mm Z: 800 mm	Y: 3000 mm Z: 800 mm	Y: 1000 mm Z: 200 mm	Y: 1500 mm Z: 500 mm	Y: 2000 mm Z: 800 mm
Max. payload	Dependent on the selected dynamic response						
Mounting position	Horizontal						

1) Drive package depending on configuration selected.

# Linear gantries

Key features

## Configurator: Handling Guide Online (HGO)

### Selecting a handling system

Planning complex handling systems takes a lot of time. You can use the configurator "Handling Guide Online" (HGO) configurator to design a customised handling system for your application in just a few steps.

You can choose from the following systems:

- Single-axis system
- 2D linear gantry
- 2D planar surface gantry
- 3-dimensional gantry

#### Advantages:

- Automatic selection of all relevant components
- Automatic design and calculation of workload
- Quote created automatically
- CAD model available immediately
- Fully automated processing
- You can order fully or partially assembled systems through the Online Shop
- Lots of possible options



### Selecting the handling solution

Select your handling system:

<input type="radio"/> Single-axis system		Single-axis movement. Single-axis motion as a complete system. Easy to connect to your own feed unit. <input type="checkbox"/> Animation	<input type="checkbox"/> Add to basket <input type="checkbox"/> Create quote <input type="checkbox"/> Documentation <input type="checkbox"/> Information sheet <input type="checkbox"/> Download model <b>Handling solution:</b> <input checked="" type="checkbox"/> Standard system <input type="checkbox"/> New system <input type="checkbox"/> Load system Selected axes: <input type="text" value="Filter system ID"/>
<input type="radio"/> 2D linear gantry		Movement in 2D in the vertical working space. Linear gantries as complete systems. Electric and pneumatic axes can be combined. <input type="checkbox"/> Animation	
<input type="radio"/> 2D gantry		Movement in 2D in the horizontal working space. Planar surface gantries as complete systems. Containing electric axes. Easy to connect to your own Z unit. <input type="checkbox"/> Animation	
<input checked="" type="radio"/> 3D gantry		Movement in 3D. Three-dimensional gantries as complete systems. Electric and pneumatic axes can be combined. <input type="checkbox"/> Animation	

### Entering the application data

- Payload
- Drive system of the axis
- Distance from the centre of the load
- Working stroke
- Reference cycle



### Axis definition and payload

Axis definition

Drive system of the axis	<input checked="" type="checkbox"/> Electric: several positions <input type="checkbox"/> Electric: several positions <input type="checkbox"/> Please select		<input type="checkbox"/> Add to basket <input type="checkbox"/> Create quote <input type="checkbox"/> Documentation <input type="checkbox"/> Information sheet <input type="checkbox"/> Download model <b>Handling solution:</b> <input checked="" type="checkbox"/> Standard system <input type="checkbox"/> New system <input type="checkbox"/> Load system Selected axes:
Regular working stroke	X: <input type="text" value="200 mm"/> Y: <input type="text" value="200 mm"/>		
Working stroke in Z direction	Z: <input type="text" value="50 mm"/>		
Payload	Payload (feed unit and workpiece): <input type="text" value="2 kg"/>		
Distance from the centre of the load	X: <input type="text" value=""/> Y: <input type="text" value=""/> Z: <input type="text" value=""/>		

# Linear gantries

Key features

## Configurator: Handling Guide Online (HGO)

Result of calculation

You will be offered a selection of systems calculated based on the application data you entered.

The following are available immediately:

- CAD model
- Data sheet of the selected system
- Price information

**Result of calculation**  
Select the appropriate system and continue with the configuration.

No.	System name	System workload	Repetition accuracy (µs)	
<input checked="" type="checkbox"/>	1	1000/2	95%	0.11 mm
<input type="checkbox"/>	2	1000/2	95%	0.11 mm
<input type="checkbox"/>	3	1000/2	95%	0.11 mm
<input type="checkbox"/>	4	1000/2	95%	0.11 mm
<input type="checkbox"/>	5	1000/2	95%	0.11 mm

**3D gantry VGR-2-81**

	X module (rotated rail axis) 810C-80	Y module (rotated rail axis) 810C-80	Z module (Electric mini slide) 810B-80
Stroke	300 mm	300 mm	100 mm
Repetition accuracy (µs)	0.08 mm	0.08 mm	0.02 mm
Gear ratio	0:1	0:1	Without
Motor type	Servo motor EMMS-80	Servo motor EMMS-80	Servo motor EMMS-80
Motor position	Inside	Left	Top
Motor controller	CMMP-60-80	CMMP-60-80	CMMP-60-80
Nominal voltage phases	1 phase	1 phase	1 phase

- Add to basket
- 2D/3D CAD
- Documentation
- Technical data
- Send request

Handling solution

- Standard system
- Base system
- Load system
- Selected system # 1

Vacuum technology  
Find the right vacuum generators and actuators for your application.

More about vacuum technology

## System overview

You will be given an overview of the whole system.

- Request price
- Send request
- Add to basket

You will also have the following options:

**Your handling solution**  
Your selected system overview

Your system #1  
**C137963**

Your next step:

- Add to basket
- 2D/3D CAD
- Documentation
- Technical data
- Send request

Handling solution

- Standard system
- Base system
- Load system
- Selected system # 1

Vacuum technology  
Find the right vacuum generators and actuators for your application.

More about vacuum technology

# Linear gantries

Key features

## Standard components within the handling system

The handling system comprises a number of tried-and-tested standard components from Festo. Different components are used depending on the configuration. The single axes installed will be displayed in the configurator HGO on the "Result of calculation" page.

Result of calculation

No.	System name	System number	Quantity
1	EGC-TB-KF	10-10	1 x 10 pcs
2	EGC-HD-TB	10-10	1 x 10 pcs
3	EGC-BS-KF	10-10	1 x 10 pcs
4	EGC-TB-KF	10-10	1 x 10 pcs

System name	System number	System number	System number
EGC-TB-KF	EGC-TB-KF	EGC-TB-KF	EGC-TB-KF
EGC-HD-TB	EGC-HD-TB	EGC-HD-TB	EGC-HD-TB
EGC-BS-KF	EGC-BS-KF	EGC-BS-KF	EGC-BS-KF

## Drives/axes

Y-axis

### Toothed belt axis EGC-TB-KF



- Electric
- Rigid, closed profile
- Recirculating ball bearing guide for high loads and torques
- High dynamic response and minimum vibration

### Toothed belt axis EGC-HD-TB



- Electric
- Flat drive unit with rigid, closed profile
- Duo guide rail
- For maximum loads and torques, high feed forces and speeds and long service life

Z-axis

### Mini slide DGSL



- Pneumatic
- Flat design
- High load capacity
- High dynamic response
- Easy adjustment of end positions

### Mini slide EGSL



- Electric
- Compact design
- High load capacity
- High dynamic response
- Easy adjustment of end positions

### Spindle axis EGC-BS-KF



- Electric
- Rigid, closed profile
- Recirculating ball bearing guide for high loads and torques
- High dynamic response and minimum vibration
- Various spindle pitches

### Cantilever axis DGEA



- Electric
- High rigidity
- High load capacity
- High dynamic response

# Linear gantries

Key features

Possible axis combinations <sup>1)</sup>		
Size	Y-module	Z-module
YXCL-1	<ul style="list-style-type: none"> <li>• Toothed belt axis EGC-50-TB-KF</li> </ul>	<ul style="list-style-type: none"> <li>• Mini slide Pneumatic: DGSL-6 Electric: EGSL-35</li> </ul>
YXCL-2	<ul style="list-style-type: none"> <li>• Toothed belt axis EGC-80-TB-KF</li> <li>• Toothed belt axis with heavy-duty guide EGC-HD-125-TB</li> </ul>	<ul style="list-style-type: none"> <li>• Mini slide Pneumatic: DGSL-12/16 Electric: EGSL-45/55</li> <li>• Cantilever axis DGEA-18</li> <li>• Spindle axis EGC-70-BS-KF</li> </ul>
YXCL-3	<ul style="list-style-type: none"> <li>• Toothed belt axis EGC-120-TB-KF</li> <li>• Toothed belt axis with heavy-duty guide EGC-HD-160-TB</li> </ul>	<ul style="list-style-type: none"> <li>• Mini slide Pneumatic: DGSL-20/25 Electric: EGSL-75</li> <li>• Cantilever axis DGEA-25/40</li> <li>• Spindle axis EGC-80-BS-KF</li> </ul>
YXCL-4	<ul style="list-style-type: none"> <li>• Toothed belt axis EGC-185-TB-KF</li> <li>• Toothed belt axis with heavy-duty guide EGC-HD-220-TB</li> </ul>	<ul style="list-style-type: none"> <li>• Cantilever axis DGEA-40</li> <li>• Spindle axis EGC-120-BS-KF</li> </ul>
YXML-1	<ul style="list-style-type: none"> <li>• Linear gantry EXCT-15</li> </ul>	<ul style="list-style-type: none"> <li>• Linear gantry EXCT-15</li> </ul>
YXML-2	<ul style="list-style-type: none"> <li>• Linear gantry EXCT-30</li> </ul>	<ul style="list-style-type: none"> <li>• Linear gantry EXCT-30</li> </ul>
YXML-3	<ul style="list-style-type: none"> <li>• Linear gantry EXCT-100</li> </ul>	<ul style="list-style-type: none"> <li>• Linear gantry EXCT-100</li> </ul>

1) Drive package depending on configuration selected.

# Linear gantries

Key features

## Standard components within the handling system

The handling system comprises a number of tried-and-tested standard components from Festo. Different components are used depending on the configuration. You can alter the scope and design of the drive package in the configurator HGO on the "System configuration" page.



## Motors and controllers

### Servo motors EMMS-AS



- Dynamic, brushless, permanently excited servo motor
- Digital absolute displacement encoder in single-turn or multi-turn version
- With optional brake

### Servo motors EMME-AS



- Dynamic, brushless, permanently excited servo motor
- Digital absolute displacement encoder in single-turn or multi-turn version
- With optional brake

### Stepper motors EMMS-ST



- 2-phase hybrid technology
- Step angle 1.8°
- With optional brake

### Gear unit EMGA



- Low-backlash planetary gear
- Gear ratio  
i = 3 and 5
- Life-time lubrication

### Motor controller CMMP-AS for servo motor



- Complete integration of all components for controller and power section, including USB interface
- Integrated brake chopper
- Integrated EMC filters
- Automatic activation for a brake

#### Selectable:

- Safety function: safe torque off (STO)/category 4, Performance level e
- Additional digital inputs and outputs

- Bus protocols
  - CANopen
  - DeviceNet®
  - EtherCAT®
  - EtherNet/IP
  - PROFIBUS DP
  - PROFINET

### Motor controller CMMS-ST for stepper motor



- Complete integration of all components for controller and power section, including RS232 interface
- Integrated brake chopper
- Integrated EMC filters
- Automatic activation for a brake

#### Selectable:

- Safety function: safe torque off (STO)/category 3, Performance level d

- Bus protocols
  - CANopen
  - DeviceNet®
  - PROFIBUS DP

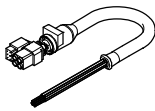
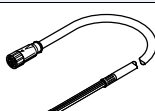
# Linear gantries

Ordering data – Accessories

## Module/motor combinations

We recommend that the linear gantry is operated with the proposed motors from Festo. These precisely match the mechanical system. When using third-party motors, it is essential that the technical limits are observed.

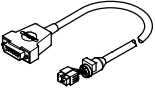
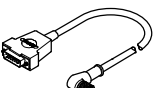
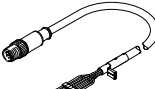
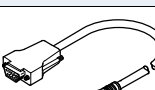
Module	Motor		
	Servo motor	Servo motor	Stepper motor
<b>Y-module</b>			
EHMY-...-EGC-50-TB-KF	–	EMME-AS-40-S-LV-...	EMMS-ST-57-M-...
EHMY-...-EGC-80-TB-KF	EMMS-AS-55-S-LS-...	EMME-AS-60-M-LS-...	EMMS-ST-57-S-...
EHMY-...-EGC-120-TB-KF	EMMS-AS-100-S-HS-...	EMME-AS-80-S-LS-...	EMMS-ST-87-S-...
EHMY-...-EGC-125-TB-HD	EMMS-AS-70-S-LS-...	EMME-AS-60-M-LS-...	EMMS-ST-57-S-...
EHMY-...-EGC-160-TB-HD	EMMS-AS-100-S-HS-...	EMME-AS-80-S-LS-...	EMMS-ST-87-S-...
EHMY-...-EGC-185-TB-KF	EMMS-AS-100-M-HS-...	EMME-AS-100-M-HS-...	–
	EMMS-AS-140-S-HS-...		
EHMY-...-EGC-220-TB-HD	EMMS-AS-100-M-HS-...	EMME-AS-100-M-HS-...	–
	EMMS-AS-140-S-HS-...		
<b>Z-module</b>			
EHMZ-DGEA-18-TB-KF	EMMS-AS-55-S-LS-...	EMME-AS-60-M-LS-...	EMMS-ST-57-S-...
EHMZ-DGEA-25-TB-KF	EMMS-AS-70-S-LS-...	EMME-AS-60-M-LS-...	EMMS-ST-57-S-...
EHMZ-DGEA-40-TB-KF	EMMS-AS-100-S-HS-...	EMME-AS-80-M-LS-...	–
EHMZ-EGC-70-BS-KF	EMMS-AS-55-S-LS-...	EMME-AS-60-M-LS-...	EMMS-ST-57-S-...
EHMZ-EGC-80-BS-KF	EMMS-AS-70-S-LS-...	EMME-AS-60-M-LS-...	EMMS-ST-57-S-...
EHMZ-EGC-120-BS-KF	EMMS-AS-100-S-HS-...	EMME-AS-80-S-LS-...	–
EHMZ-EGSL-35-BS-KF	–	EMME-AS-40-S-LV-...	EMMS-ST-28-L-...
EHMZ-EGSL-45-BS-KF	EMMS-AS-40-M-LS-...	EMME-AS-40-S-LV-...	EMMS-ST-57-S-...
EHMZ-EGSL-55-BS-KF	EMMS-AS-55-S-LS-...	EMME-AS-60-M-LS-...	EMMS-ST-57-S-...
EHMZ-EGSL-75-BS-KF	EMMS-AS-70-M-LS-...	EMME-AS-80-S-LS-...	EMMS-ST-87-S-...
<b>YZ-module (EXCT)</b>			
EXCT-15	EMMS-AS-70-M-LS-...	–	–
EXCT-30	EMMS-AS-100-S-HS-...	–	–
EXCT-100	EMMS-AS-100-M-HS-...	–	–

Designation	Description	Cable length	Part no.	Type
<b>For servo motor</b>				
<b>Motor cable<sup>1)</sup></b>				
	• For servo motor EMMS-AS-40-M-LS-.../ EMMS-AS-55-S-LS-...	5 m	550306	NEBM-T1G8-E-5-Q7N-LE8
		10 m	550307	NEBM-T1G8-E-10-Q7N-LE8
		15 m	550308	NEBM-T1G8-E-15-Q7N-LE8
<b>Motor cable<sup>1)</sup></b>				
	• For servo motor EMMS-AS-70-S-LS-.../ EMMS-AS-70-M-LS-.../EMMS-AS-100-S-HS-.../ EMMS-AS-100-M-HS-.../EMMS-AS-140-S-HS-...	5 m	550310	NEBM-M23G8-E-5-Q9N-LE8
		10 m	550311	NEBM-M23G8-E-10-Q9N-LE8
		15 m	550312	NEBM-M23G8-E-15-Q9N-LE8

1) Cables especially suitable for the motor controller and motor.  
Degree of protection to IP65 (in assembled state)

# Linear gantries

Ordering data – Accessories

Designation	Description	Cable length	Part no.	Type
For servo motor				
Encoder cable <sup>1)</sup>				
	<ul style="list-style-type: none"> <li>For servo motor EMMS-AS-40-M-LS-...</li> </ul>	5 m	550314	NEBM-T1G8-E-5-N-S1G15
		10 m	550315	NEBM-T1G8-E-10-N-S1G15
		15 m	550316	NEBM-T1G8-E-15-N-S1G15
Encoder cable <sup>1)</sup>				
	<ul style="list-style-type: none"> <li>For servo motor EMMS-AS-70-S-LS-.../ EMMS-AS-70-M-LS-.../EMMS-AS-100-S-HS-.../ EMMS-AS-100-M-HS-.../EMMS-AS-140-S-HS-...</li> </ul>	5 m	550318	NEBM-M12W8-E-5-N-S1G15
		10 m	550319	NEBM-M12W8-E-10-N-S1G15
		15 m	550320	NEBM-M12W8-E-15-N-S1G15
For stepper motor				
Motor cable <sup>1)</sup>				
	<ul style="list-style-type: none"> <li>For stepper motor EMMS-ST-28-L-...</li> </ul>	1.5 m	1449600	NEBM-SM12G8-E-1.5-Q5-LE6
		2.5 m	1449601	NEBM-SM12G8-E-2.5-Q5-LE6
		5 m	1449602	NEBM-SM12G8-E-5-Q5-LE6
		7 m	1449603	NEBM-SM12G8-E-7-Q5-LE6
		10 m	1449604	NEBM-SM12G8-E-10-Q5-LE6
Encoder cable <sup>1)</sup>				
	<ul style="list-style-type: none"> <li>For stepper motor EMMS-ST-28-L-...</li> </ul>	5 m	550748	NEBM-M12G8-E-5-S1G9
		10 m	550749	NEBM-M12G8-E-10-S1G9
		15 m	550750	NEBM-M12G8-E-15-S1G9

1) Cables especially suitable for the motor controller and motor.  
Degree of protection to IP65 (in assembled state)

## Possible cable and tube lengths

- Cables and tubing are sized so that the length specified when ordering will be the minimum connection length from the energy chain output.
- Cables and tubing are only available in fixed lengths as stated in the table below. This can mean that the plug connectors of the different cables do not end at the same point.

Length	1 m	2 m	5 m	7 m	10 m
Motor cable	–	■	■	■	■
Encoder cable	–	■	■	■	■
Multi-pin plug connecting cable	–	■	■	■	■
Tubing (for DHMZ only)	■	■	■	–	–

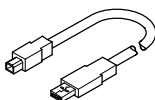
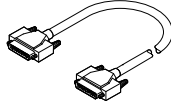
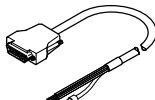
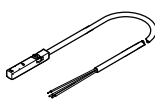
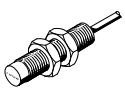
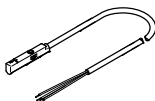
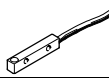
# Linear gantries

Ordering data – Accessories

## Standard components within the handling system



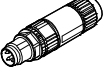
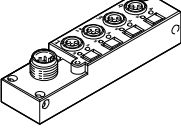
The handling system comprises a number of tried-and-tested standard components from Festo. Different components are used depending on the configuration. You can alter the scope and design of the accessories in the configurator HGO on the "System configuration" page.

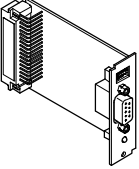
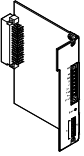


Designation	Description	Cable length	Part no.	Type	
<b>Programming cable</b>					
	<ul style="list-style-type: none"> <li>High-speed USB 2.0 connecting cable</li> <li>For controller CMMP-AS</li> </ul>	1.8 m	1501332	NEBC-U1G4-K-1.8-N-U2G4	
	<ul style="list-style-type: none"> <li>For controller CMMS-ST</li> </ul>	2 m	160786	PS1-ZK11-NULLMODEM-2,0M	
<b>Control cable (for I/O interface to any controller)</b>					
	<ul style="list-style-type: none"> <li>For controller CMMP-AS, CMMS-ST</li> </ul>	2.5 m	552254	NEBC-S1G25-K-2.5-N-LE26	
<b>Proximity sensor (inductive) for sensing the position of the slide on the Y-/Z-axis</b>					
	Cable with open end				
	<ul style="list-style-type: none"> <li>For toothed belt axis EGC-TB, EGC-HD-TB</li> <li>For spindle axis EGC-BS</li> <li>For mini slide EGSL</li> <li>For direct voltage</li> </ul> Included if "Festo sensor package" is selected: <ul style="list-style-type: none"> <li>2 pieces</li> </ul>	PNP, N/C contact	7.5 m	551391	SIES-8M-PO-24V-K-7,5-OE
		PNP, N/O contact	7.5 m	551386	SIES-8M-PS-24V-K-7,5-OE
		NPN, N/C contact	7.5 m	551401	SIES-8M-NO-24V-K-7,5-OE
NPN, N/O contact		7.5 m	551396	SIES-8M-NS-24V-K-7,5-OE	
<b>Proximity sensor (inductive) for sensing the position of the slide on the Z-axis</b>					
	Cable with open end				
	<ul style="list-style-type: none"> <li>For cantilever axis DGEA</li> <li>For direct voltage</li> </ul> Included if "Festo sensor package" is selected: <ul style="list-style-type: none"> <li>2 pieces</li> </ul>	PNP, N/C contact	2.5 m	150398	SIEN-M8NB-PO-K-L
		PNP, N/O contact	2.5 m	150394	SIEN-M8NB-PS-K-L
		NPN, N/C contact	2.5 m	150396	SIEN-M8NB-NO-K-L
NPN, N/O contact		2.5 m	150392	SIEN-M8NB-NS-K-L	
<b>Proximity sensor (magnetoresistive) for sensing the position of the slide on the Z-axis</b>					
	Cable with open end				
	<ul style="list-style-type: none"> <li>For mini slide DGSL</li> <li>For direct voltage</li> </ul> Included if "Festo sensor package" is selected: <ul style="list-style-type: none"> <li>2 pieces</li> </ul>	PNP, N/O contact	2.5 m	551373	SMT-10M-PS-24V-E-2,5-L-OE
NPN, N/O contact		2.5 m	551377	SMT-10M-NS-24V-E-2,5-L-OE	
<b>Proximity sensor for sensing the position of the slide on the YZ-axis</b>					
	<ul style="list-style-type: none"> <li>For EXCT</li> </ul>	N/C contact	–	174552	SIES-Q8B-PO-K-L

# Linear gantries

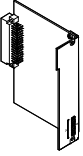

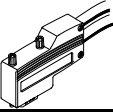
Ordering data – Accessories

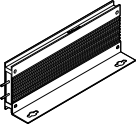
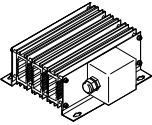
Designation	Description	Cable length	Part no.	Type
<b>Plug socket with cable</b>				
	<ul style="list-style-type: none"> <li>• Connection between multi-pin plug distributor and control cabinet</li> </ul>	5 m	<b>525618</b>	<b>SIM-M12-8GD-5-PU</b>
		10 m	<b>570008</b>	<b>SIM-M12-8GD-10-PU</b>
<b>Plug socket with cable</b>				
	<ul style="list-style-type: none"> <li>• For multi-pin plug set EADH</li> </ul>	15 m	<b>8048086</b>	<b>NEBU-M12W8-K-15-N-LE8</b>
<b>Plug</b>				
	<ul style="list-style-type: none"> <li>• For connection to the multi-pin plug distributor</li> </ul>	–	<b>562024</b>	<b>NECU-S-M8G3-HX</b>
<b>Multi-pin plug distributor</b>				
	<ul style="list-style-type: none"> <li>• With the help of the multi-pin plug distributor, all electrical signals such as for end-position sensing can be transferred</li> </ul> Selectable: <ul style="list-style-type: none"> <li>– 4 individual connections</li> <li>– 6 individual connections</li> </ul>	–	<b>574586</b>	<b>NEDU-L4R1-M8G3L-M12G8</b>
			<b>574587</b>	<b>NEDU-L6R1-M8G3L-M12G8</b>

Designation	Description	Part no.	Type
<b>Interface</b>			
	For additional I/Os	<b>567855</b>	<b>CAMC-D-8E8A</b>
	For DeviceNet®	<b>547451</b>	<b>CAMC-DN</b>
	For EtherCAT®	<b>567856</b>	<b>CAMC-EC</b>
	For EtherNet/IP	<b>1911917</b>	<b>CAMC-F-EP</b>
	For PROFINET RT	<b>1911916</b>	<b>CAMC-F-PN</b>
	For PROFIBUS DP	<b>547450</b>	<b>CAMC-PB</b>
<b>Safety module</b>			
	For safe torque off (STO)	<b>1501330</b>	<b>CAMC-G-S1</b>

# Linear gantries

Ordering data – Accessories

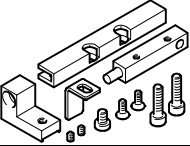
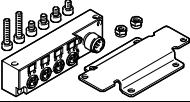
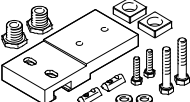
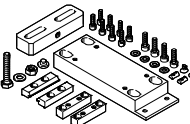
Designation	Description	Part no.	Type
<b>Switch module</b>			
	If the safety module CAMC-G-S1 is not used, the switch module is absolutely essential for operating the motor controller CMMP-AS-...-M3	<b>1501329</b>	<b>CAMC-DS-M1</b>
<b>Bus connection</b>			
	For DeviceNet interface	<b>525635</b>	<b>FBSD-KL-2X5POL</b>
<b>Plug</b>			
	For CANopen interface	<b>533783</b>	<b>FBS-SUB-9-WS-CO-K</b>
	For PROFIBUS interface	<b>533780</b>	<b>FBS-SUB-9-WS-PB-K</b>

Designation	Description	Part no.	Type
<b>Braking resistor</b>			
	<ul style="list-style-type: none"> <li>For EXCT-15</li> </ul>	<b>2882342</b>	<b>CACR-LE2-50-W500</b>
	<ul style="list-style-type: none"> <li>For EXCT-30/100</li> </ul>	<b>2882343</b>	<b>CACR-KL2-40-W2000</b>

# Linear gantries

Ordering data – Accessories



Designation	Description	Part no.	Type
<b>Sensing kit</b>			
	<ul style="list-style-type: none"> <li>Included in the scope of delivery: Proximity sensor SIES-Q8B, sensor bracket, switch lug, mounting bracket and screws</li> </ul>	<b>2478427</b>	<b>EAPR-E17-S</b>
<b>Multi-pin plug set</b>			
	<ul style="list-style-type: none"> <li>For connecting up to 4 inputs/outputs</li> </ul>	<b>2972137</b>	<b>EADH-E17-MP1</b>
<b>Mounting kit</b>			
	<ul style="list-style-type: none"> <li>For mounting and aligning on a bearing surface</li> <li>The kit is height-adjustable</li> </ul>	<b>3838164</b>	<b>EAHM-E17-K2-15</b>
		<b>3838337</b>	<b>EAHM-E17-K2-30</b>
		<b>3838404</b>	<b>EAHM-E17-K2-100</b>
<b>Adjusting kit</b>			
	<ul style="list-style-type: none"> <li>Used to mount the handling system on a vertical surface</li> <li>Following mounting, the axis can be aligned horizontally</li> </ul>	EHMY-...-EGC-50-TB-KF	<b>8047576</b> <b>EADC-E16-50-E7</b>
		EHMY-...-EGC-80-TB-KF	<b>8047577</b> <b>EADC-E16-80-E7</b>
		EHMY-...-EGC-120-TB-KF	<b>8047578</b> <b>EADC-E16-120-E7</b>
		EHMY-...-EGC-185-TB-KF	<b>8047579</b> <b>EADC-E16-185-E7</b>
		EHMY-...-EGC-125-TB-HD	<b>8047580</b> <b>EADC-E16-125-E14</b>
		EHMY-...-EGC-160-TB-HD	<b>8047581</b> <b>EADC-E16-160-E14</b>
EHMY-...-EGC-220-TB-HD	<b>8047582</b> <b>EADC-E16-220-E14</b>		

# Linear gantries

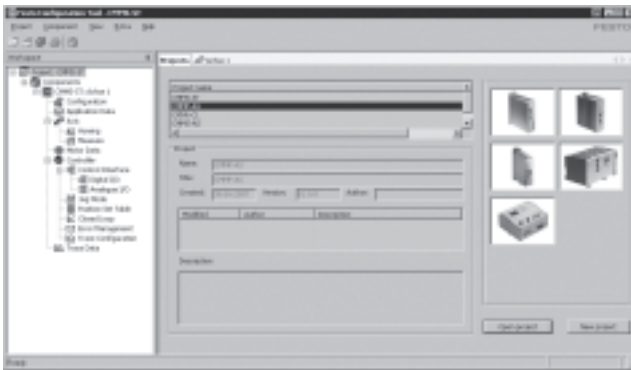
Programming aid

## Easy programming with

### FCT software – Festo Configuration Tool

Software platform for electric drives from Festo

- All drives in a system can be managed and saved in a common project
- Project and data management for all supported types of equipment
- Easy to use thanks to graphically supported parameter entry
- Universal mode of operation for all drives
- Work offline at your desk or online at the machine



# Festo - Your Partner in Automation



## 1 Festo Inc.

5300 Explorer Drive  
Mississauga, ON L4W 5G4  
Canada

### Festo Customer Interaction Center

Tel: 1 877 463 3786  
Fax: 1 877 393 3786  
Email: [customer.service.ca@festo.com](mailto:customer.service.ca@festo.com)

## 2 Festo Pneumatic

Av. Ceylán 3,  
Col. Tequesquináhuac  
54020 Tlalnepantla,  
Estado de México

### Multinational Contact Center

01 800 337 8669  
[ventas.mexico@festo.com](mailto:ventas.mexico@festo.com)

## 3 Festo Corporation

1377 Motor Parkway  
Suite 310  
Islandia, NY 11749

### Festo Customer Interaction Center

1 800 993 3786  
1 800 963 3786  
[customer.service.us@festo.com](mailto:customer.service.us@festo.com)

## 4 Regional Service Center

7777 Columbia Road  
Mason, OH 45040

### Connect with us



[www.festo.com/socialmedia](http://www.festo.com/socialmedia)



[www.festo.com](http://www.festo.com)