

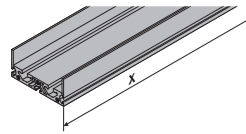
Support profile HMIA-E...-X

FESTO

Festo AG & Co. KG

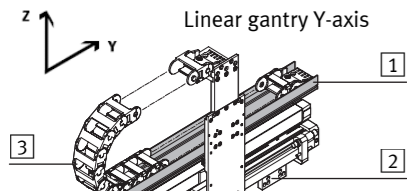
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1. Support profile 1a. HMIA-E

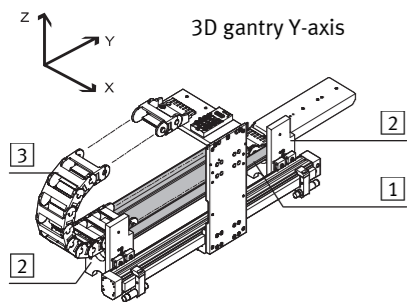


- 1 Support profile
HMIA-E...-X

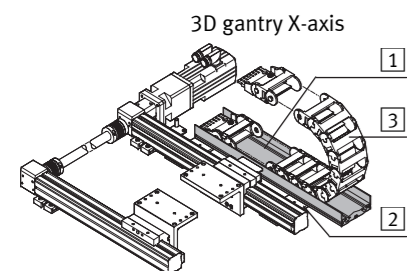
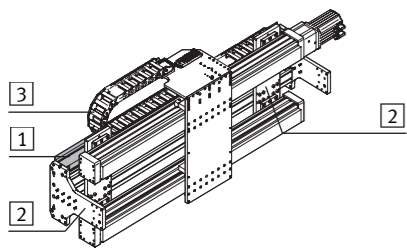
1b. Assembly example



- 2 Attachment component
(→ Table)
3 Energy chain
(→ Table)



Support profiles HMIA-E 1 are intended for use in routing and supporting energy chains 3 when setting up gantry systems in mono or duo design.



Warning

Danger of injury due to electric voltage!

- Connect the support profiles 1 with the protective conductor system → Assembly instructions for earthing kit for HM... (HMVS-DL...).
- Note that a hole has to be drilled in the support profile for the earthing kit.

Note

The mounting position depends upon the design of the drive axis or the gantry setup (mono or duo design).

- Use only permitted energy chains 3 as specified in the catalogue www.festo.com/catalogue.
- Note:
 - that length (X) is identical onto stroke length of the X or the Y-axis.
 - that only the fastening combinations shown in the table are permissible.
- Maintain the permitted tightening torques (→ Table).

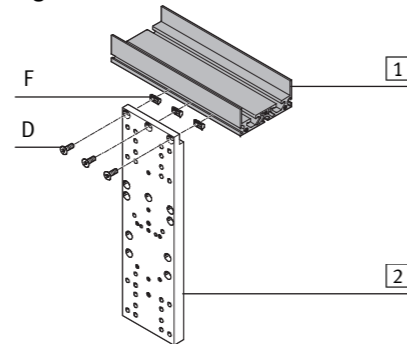
Information

- Follow the mounting sequence → Mounting overview for HM... (HMVS-DL...).
- The support profile 1 contains all maximum necessary mounting components.
- Note that mounting components may be left over with some combinations.

2. Assembly

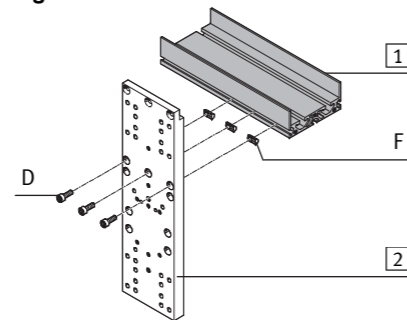
- Select the mounting components (screws etc.) for your combination (→ Table).
- Observe the reference to the figures for your combination (→ Table).

Fig. 1a ¹⁾



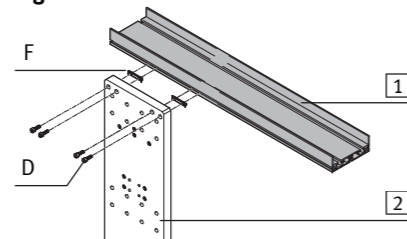
- 1 Support profile
HMIA-E05-X
2 Basic kit
HMV...-LP-DL25/40

Fig. 1b ²⁾



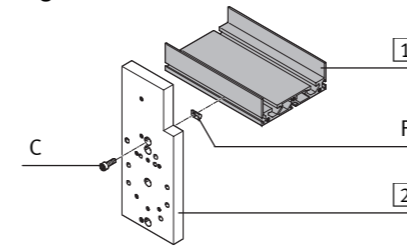
- 1 Support profile
HMIA-E05-X
2 Basic kit
HMV...-LP-DL25/40

Fig. 1c



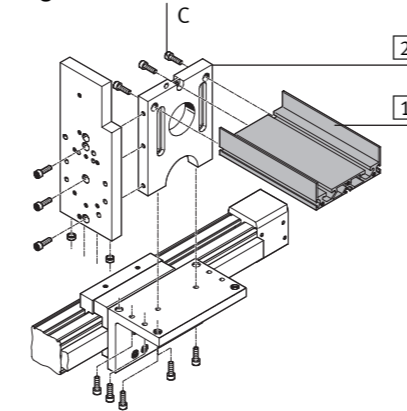
- 1 Support profile
HMIA-E07-X
2 Basic kit
HMVD-LP-DL63

Fig. 2a



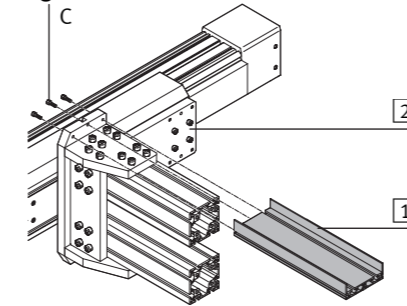
- 1 Support profile
HMIA-E07-X
2 Basic kit
HMV...-RP/FP-DL25/40

Fig. 2b



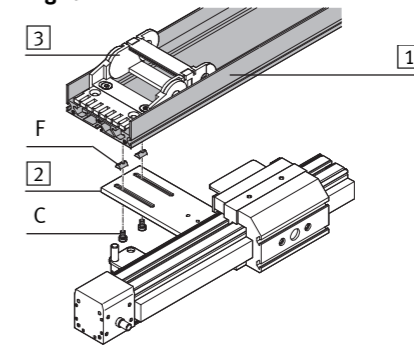
- 1 Support profile
HMIA-E07-X
2 Reinforcing kit
HMVV-RP/FP
- If necessary, shorten the support profile 1 to the exact length, because it is mounted between the attachment components 2.
 - If necessary, cut the threads to a depth of at least 12 mm at the saw cut locations.

Fig. 3



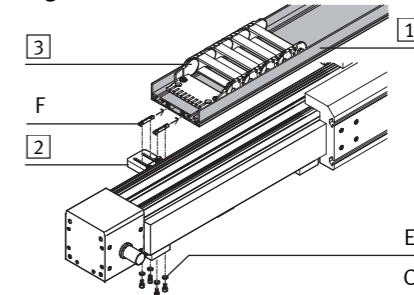
- 1 Support profile
HMIA-E07-X
2 Mounting bracket
HMVW-DL63-2
- If necessary, shorten the support profile 1 to the exact length, because it is mounted between the attachment components 2.
 - If necessary, cut the threads to a depth of at least 12 mm at the saw cut locations.

Fig. 4a



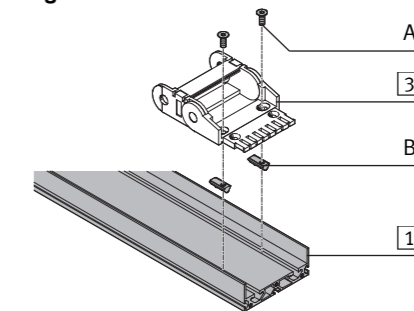
- 1 Support profile
HMIA-E07-X
2 Installation kit
HMIXB-RP/FP
3 Energy chain
E07

Fig. 4b



- 1 Support profile
HMIA-E07-X
HMIA-E10-X
2 Installation kit
HMIXB-RP/FP-2
3 Energy chain
E07/E10

Fig. 5



- 1 Support profile
HMIA-E...-X
3 Energy chain
E...

Note

After assembly:

- Advance the axes manually and check for correct installation of the energy chains, i.e. smooth rolling.

1 Support profile	HMIA-E03-X	HMIA-E05-X		HMIA-E07-X				HMIA-E10-X					
2 Attachment		HMV...-LP-DL25/40		HMVD-LP-DL63	HMV...-RP/FP-DL25/40	HMVV...-RP/FP	HMVW-DL63-2	HMIXB-RP/FP	HMIXB-RP/FP-2		HMIXB-RP/FP-2		
3 E-chain	E03		E05							E07		E10	
Fig.	5	1a	1b	5	1c	2a	2b	3	4a	4b	5	4b	5
	M _A ³⁾ [Nm]												
A Countersunk screw as per DIN 7991													
M6x16	6.0	2x			2x						2x		2x
C Slot nut													
NST-8_M6		2x		2x							2x		2x
Mounting components included with attachment components													
C Socket head screw as per DIN 912													
M5x8									2x				
M5x10	6.0									2x		4x	
M5x14			3x			1x							
M5x16				4x		3x	3x						
D Countersunk screw as per DIN 7991													
M5x14	3.0		3x										
E Washer as per DIN 125													
B5,3										2x		4x	
F Slot nut													
HMBN-5-M5			3x	3x		1x							
NST-5-M5								2x					
MUP-32/40					2x					1x		2x	

¹⁾ For duo-systems or DGP-25 with displacement encoder

²⁾ For mono-systems or DGP-25 without displacement encoder

³⁾ Tolerance for non-toleranced tightening torques M_A
M_A > 1 Nm: ± 20%