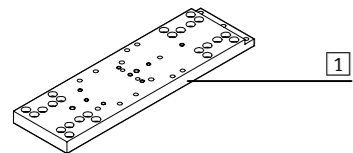


**Grundbausatz
HMVM-LP-DL25/40**

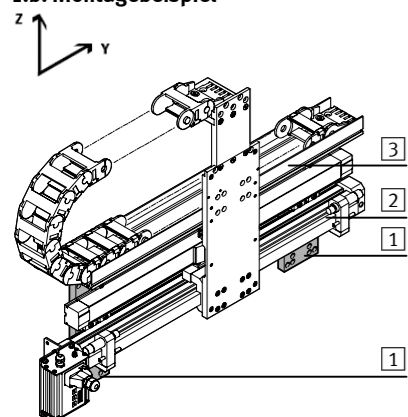
1. Grundbausatz mit Montagebeispiel

1.a. HMVM-LP-DL25/40



- 1 Grundbausatz HMVM-LP-DL25/40 inklusive Befestigungselemente A-D (siehe Tabelle).

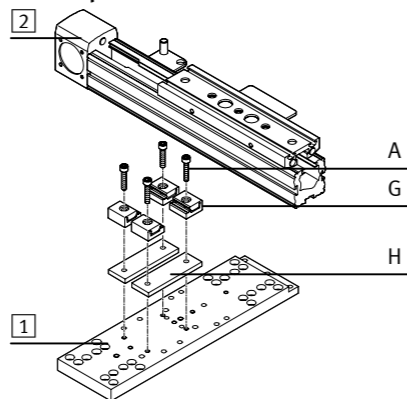
1.b. Montagebeispiel



- 2 Antriebseinheit (siehe Tabelle)
- 3 Anbaukomponente (siehe Tabelle)

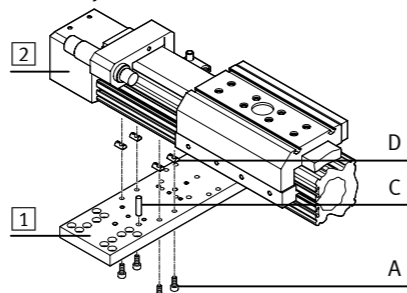
Bestimmungsgemäß dient der Grundbausatz 1 als Basis zum Aufbau von Linienportalsystemen in Mono-Bauweise (Y-Module).

2.c. Adaption an Linearantrieb DGE-25-ZR-RF



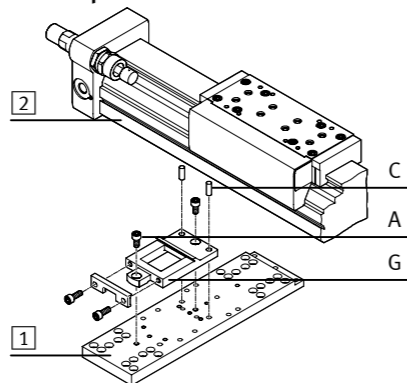
- 1 Grundbausatz HMVM-LP-DL25/40
- 2 Linearantrieb DGE-25-ZR-RF

2.d. Adaption an Linearantrieb DGE-40-ZR-RF oder DG...-40...-KF



- 1 Grundbausatz HMVM-LP-DL25/40
- 2 Linearantrieb DGE-40-ZR-RF, DGPL-40-KF, DGE-40-ZR-KF oder DGE-40-SP-KF

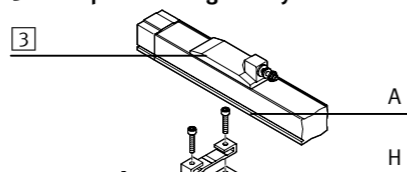
2.e. Adaption an Linearantrieb DGC-40-KF



- 1 Grundbausatz HMVM-LP-DL25/40
- 2 Linearantrieb DGC-40-KF

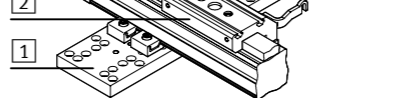
3. Befestigungsschnittstellen an Wegmesssystem

3.a. Adaption an Wegmesssystem MLO-POT-TLF



- 1 Grundbausatz HMVM-LP-DL25/40
- 2 Antriebseinheit
- 3 Wegmesssystem MLO-POT-TLF

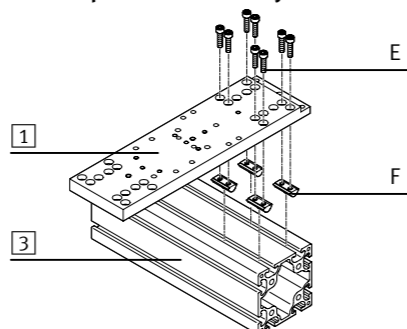
3.b. Adaption an Linearantrieb DGC-25-KF



- 1 Grundbausatz HMVM-LP-DL25/40
- 2 Linearantrieb DGC-25-KF

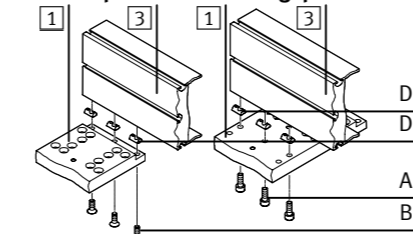
4. Befestigungsschnittstellen an Anbaukomponenten

4.a. Adaption an ein Profilsystem mit 40 mm Nutenabstand



- 1 Grundbausatz HMVM-LP-DL25/40
- 2 Antriebseinheit
- 3 Profil HMBS-80x80

4.b. Adaption an das Auflageprofil HMIA-E05



- 1 Grundbausatz HMVM-LP-DL25/40
- 3 Auflageprofil HMIA-E05

• Lesen Sie dazu die Montageanleitung des Auflageprofils HMIA-E0...

Alternative 1 Alternative 2

→ Hinweis

- Beachten Sie:
 - dass nur Befestigungskombinationen aus der Tabelle zulässig sind.
 - dass Befestigungselemente bei manchen Kombinationen übrig bleiben.
 - dass die Stückzahlen in der Tabelle pro Grundbausatz angegeben sind.
 - zur Erdung, die Montageanleitung des Erdungsbausatzes.

→ Hinweis

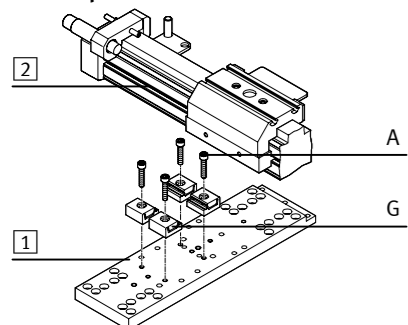
- Befestigen Sie einen Grundbausatz mindestens alle 500 mm.
- Berechnen Sie die dazu benötigte Anzahl y nach folgenden Formeln:
 - bei Hub ≤ 500 mm: y = 2
 - bei Hub > 500 mm : y = Ganzzahl (Hub/500) +2

→ Hinweis

- Montieren Sie die Antriebe bzw. das Wegmesssystem immer zuerst an den Grundbausatz.

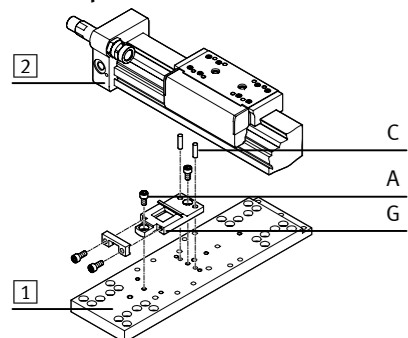
2. Befestigungsschnittstellen an Antriebseinheiten

2.a. Adaption an Linearantrieb DG...-25...-KF



- 1 Grundbausatz HMVM-LP-DL25/40
- 2 Linearantrieb DGPL-25-KF, DGE-25-SP-KF oder DGE-25-ZR-KF

2.b. Adaption an Linearantrieb DGC-25-KF



- 1 Grundbausatz HMVM-LP-DL25/40
- 2 Linearantrieb DGC-25-KF

| 1 Grundbausatz Typ Teile-Nr. | HMVM-LP-DL25/40 539 972 | | | | | | | | | |
|---|----------------------------|-----------|--------------|--------------------------|-----------|--------------|-------------|-------------|------------------|------------------------|
| | Linearantriebe ...-25-.. | | | Linearantriebe ...-40-.. | | | | Wegmesssys. | | |
| 2 Antriebseinheit Typ | DG...-25...-KF | DGC-25-KF | DGE-25-ZR-RF | DG...-40...-KF | DGC-40-KF | DGE-40-ZR-RF | MLO-POT-TLF | HMBS-80x80 | HMIA-E05 | |
| 3 Anbaukomponenten Typ | | | | | | | | | | |
| Schnittstelle | 2.a. | 2.b. | 2.c. | 2.d. | 2.e. | 2.d. | 3.a. | 4.a. | 4.b. | |
| Befestigungselemente im Lieferumfang | | | | | | | | | | |
| A Zylinderschrauben | | | | | | | | | | |
| M5x10 DIN 912 | | 2x | | | | | | | | |
| M5x12 DIN 912 | | | | 4x | | 4x | | | | |
| M5x14 DIN 912 | | | | | | | | | | 3x ²⁾ |
| M5x25 DIN 912 | 4x | | 4x | | | | 2x | | | |
| M6x12 DIN 912 | | | | | 2x | | | | | |
| B Senkschrauben | | | | | | | | | | |
| M5x14 DIN 7991 | | | | | | | | | | 3x ²⁾ |
| C Zylinderstifte | | | | | | | | | | |
| 5m6x16 DIN 7 | | 2x | | | | | | | | |
| 6m6x16 DIN 7 | | | | | 2x | | | | | |
| 6m6x24 DIN 7 | | | | 1x | | 1x | | | | |
| D Nutensteine | | | | | | | | | | |
| HMBN-5-M5 | | | | 4x | | 4x | | | | 3x |
| Befestigungselemente nicht im Lieferumfang | | | | | | | | | | |
| E Zylinderschrauben | | | | | | | | | | |
| M5x20 DIN 912 | | | | | | | | | | 8x (16x) ¹⁾ |
| F Nutensteine | | | | | | | | | | |
| HMBN-8-2M5 | | | | | | | | | | 4x (8x) ¹⁾ |
| G Mittenstützen | | | | | | | | | | |
| MUP-18/25 | 2x | | 2x | | | | | | | |
| MUC-25 | | 1x | | | | | | | | |
| MUC-40 | | | | | 1x | | | | | |
| H Verbindungsplatten | | | | | | | | | | |
| HMVO-RF25 | | | 2x | | | | | | | |
| HMVO-POT | | | | | | | | | 1x ³⁾ | |
| Gewinde | M5 | | M6 | | | | | | | |
| Anzugsdrehmoment in Nm | 5,8 | | 10 | | | | | | | |

1) Die Klammerwerte beziehen sich auf doppelte Profilanbindung.

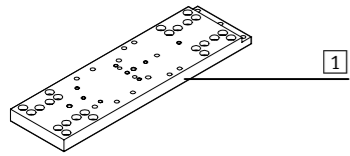
2) Je nach Befestigungsanforderung werden entweder Zylinderschrauben A oder Senkschrauben B benötigt.

3) Die Verbindungsplatte als Höhenausgleich ist nur bei Größe 25 erforderlich.

**Basic kit
HMVM-LP-DL25/40**

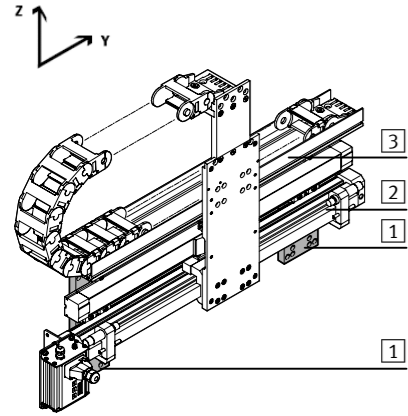
1. Basic kit with assembly example

1.a. HMVM-LP-DL25/40



- 1 Basic kit
HMVM-LP-DL25/40
Including mounting at-
tachments (A-D) (see
table).

1.b. Assembly example



- 2 Drive unit
(see table)
- 3 Attachment component
(see table)

The basic kit 1 is intended
for use as a basis for the set
up of linear gantry systems in
mono design (Y modules).

→ Note

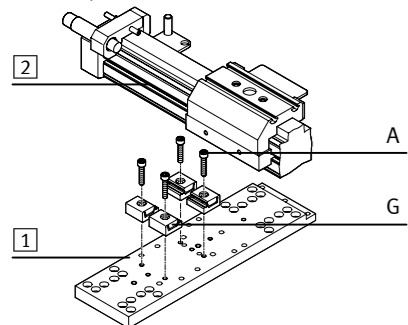
- Attach a basic kit at least every 500 mm.
- Calculate the required quantity y using the following formulas:
 - Where stroke length = 500 mm: $y = 2$
 - Where stroke length > 500 mm: $y = \text{whole-number}(\text{stroke}/500) + 2$

→ Note

- Always mount the drives or the displacement system to the basic kit first.

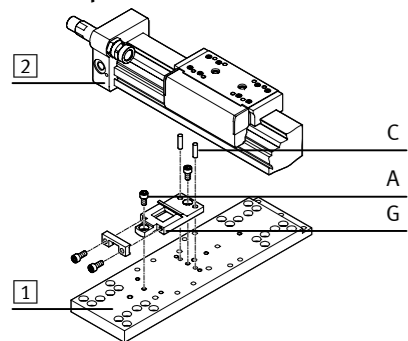
2. Mounting interfaces to drive units

2.a. Adaptation to linear drive DG...-25...-KF



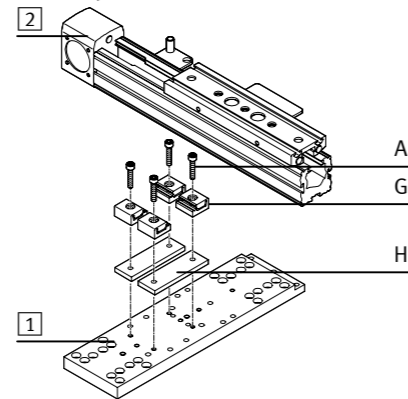
- 1 Basic kit
HMVM-LP-DL25/40
- 2 Linear drive
DGPL-25-KF,
DGE-25-SP-KF oder
DGE-25-ZR-KF

2.b. Adaptation to linear drive DGC-25-KF



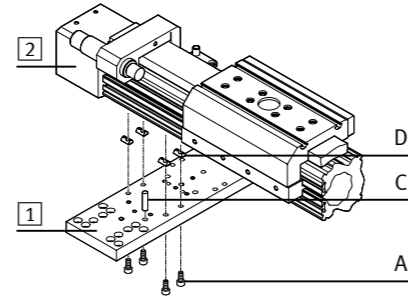
- 1 Basic kit
HMVM-LP-DL25/40
- 2 Linear drive
DGC-25-KF

2.c. Adaptation to linear drive DGE-25-ZR-RF



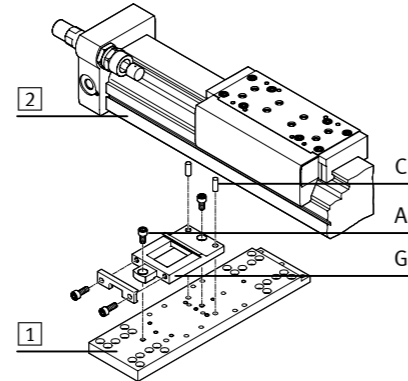
- 1 Basic kit
HMVM-LP-DL25/40
- 2 Linear drive
DGE-25-ZR-RF

2.d. Adaptation to linear drive DGE-40-ZR-RF or DG...-40...-KF



- 1 Basic kit
HMVM-LP-DL25/40
- 2 Linear drive
DGE-40-ZR-RF,
DGPL-40-KF,
DGE-40-ZR-KF or
DGE-40-SP-KF

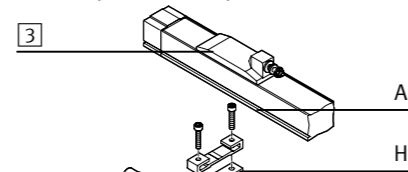
2.e. Adaptation to linear drive DGC-40-KF



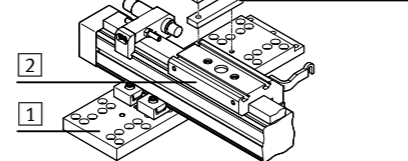
- 1 Basic kit
HMVM-LP-DL25/40
- 2 Linear drive
DGC-40-KF

3. Mounting interfaces to displacement encoders

3.a. Adaptation to displacement encoder MLO-POT-TLF

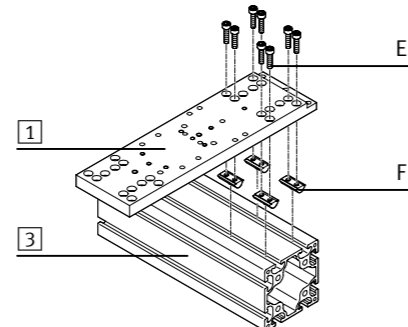


- 1 Basic kit
HMVM-LP-DL25/40
- 2 Drive unit
- 3 Displacement encoder
MLO-POT-TLF



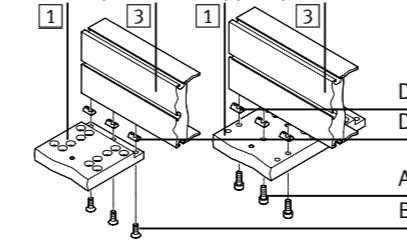
4. Mounting interfaces to attachment components

4.a. Adaptation to a profile system with 40 mm slot width



- 1 Basic kit
HMVM-LP-DL25/40
- 3 Profile
HMBS-80x80

4.b. Adaptation to support profile HMIA-E05



Alternative 1 Alternative 2

- 1 Basic kit
HMVM-LP-DL25/40
 - 3 Support profile
HMIA-E05
- Refer to the assembly
instructions for support
profile HMIA-E0... to this
end.

→ Note

- Please note:
 - that only attachment combinations shown in the table are permissible.
 - that mounting attachments are left over with some combinations.
 - that the quantities in the table are specified per basic kit.
 - for earthing, the assembly instructions for the earthing kit.

| 1 Basic kit Type Part No. | HMVM-LP-DL25/40 539 972 | | | | | | | | |
|---|----------------------------|-----------|--------------|--------------------------|-----------|--------------|---------------------|------------------------|------------------|
| 2 Drive unit Type | Linear drives ...-25-... | | | Linear drives ...-40-... | | | | | |
| 3 Attachment comp. Type | DG...-25...-KF | DGC-25-KF | DGE-25-ZR-RF | DG...-40...-KF | DGC-40-KF | DGE-40-ZR-RF | Displacement | | |
| Interface | 2.a. | 2.b. | 2.c. | 2.d. | 2.e. | 2.d. | MLO-POT-TLF 3.a. | HMBS-80x80 4.a. | HMIA-E05 4.b. |
| Mounting attachments included in scope of delivery | | | | | | | | | |
| A Socket head screws | | | | | | | | | |
| M5x10 DIN 912 | | 2x | | | | | | | |
| M5x12 DIN 912 | | | | 4x | | 4x | | | |
| M5x14 DIN 912 | | | | | | | | | 3x ²⁾ |
| M5x25 DIN 912 | 4x | | 4x | | | | 2x | | |
| M6x12 DIN 912 | | | | | 2x | | | | |
| B Countersunk screws | | | | | | | | | 3x ²⁾ |
| M5x14 DIN 7991 | | | | | | | | | |
| C Dowel pins | | | | | | | | | |
| 5m6x16 DIN 7 | | 2x | | | | | | | |
| 6m6x16 DIN 7 | | | | | 2x | | | | |
| 6m6x24 DIN 7 | | | | 1x | | 1x | | | |
| D Slot nuts | | | | | | | | | |
| HMBN-5-M5 | | | | 4x | | 4x | | | 3x |
| Mounting attachments not included in scope of delivery | | | | | | | | | |
| E Socket head screws | | | | | | | | | |
| M5x20 DIN 912 | | | | | | | | 8x (16x) ¹⁾ | |
| F Slot nuts | | | | | | | | | |
| HMBN-8-2M5 | | | | | | | | 4x (8x) ¹⁾ | |
| G Central supports | | | | | | | | | |
| MUP-18/25 | 2x | | 2x | | | | | | |
| MUC-25 | | 1x | | | | | | | |
| MUC-40 | | | | | 1x | | | | |
| H Connecting plates | | | | | | | | | |
| HMVO-RF25 | | | 2x | | | | | | |
| HMVO-POT | | | | | | | 1x ³⁾ | | |
| Thread | M5 | M6 | | | | | | | |
| Tightening torque in Nm | 5.8 | 10 | | | | | | | |

1) Values in parentheses make reference to a double profile connection.

2) Either socket head screws A or countersunk screws B are required, depending upon attachment requirements.

3) The connecting plate is only required for height compensation for size 25.