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Adapter kit HAPG/HAPG-SD2 – HG...C

Information

The kit contains all the mounting attachments that may be required.

- Observe that, for some combinations, mounting components may be left over.

For gripper HGRC/HGWC:

- Observe that, in contrast to the parallel gripper HGPC, the gripping direction is off-set by 90° for the radial gripper HGRC and the angle gripper HGWC. Depicted everywhere is the parallel gripper HGPC.

To change the gripping direction of the gripper:

On Fig. 1, 4 and 8:

- Observe that a change in the gripping direction is not possible.

On Fig. 2:

- Mount the gripper [3] off-set 90° onto the adapter plate [2].

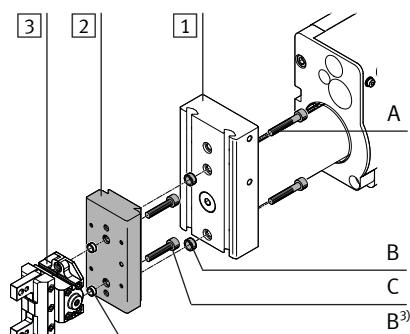
On Fig. 3, 5, 6 and 7:

- Mount the adapter plate [2] off-set 90° onto the drive [1].

On mounting:

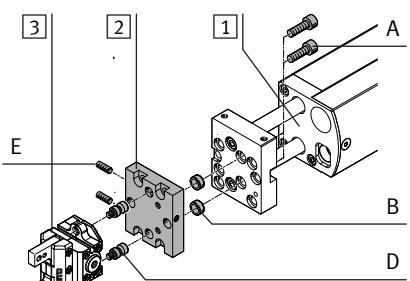
- Select the mounting components (screws, etc.) for your combination (→ Table).
- Observe the illustration assignment for your combination (→ Table).

Fig. 1



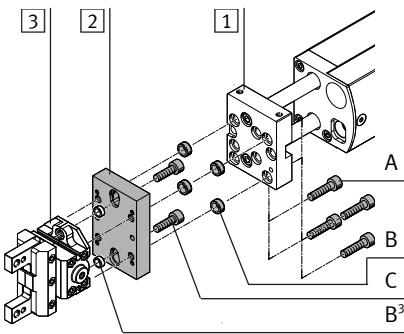
- [1] Linear module
HMP
[2] Adapter kit
HAPG-45/46
[3] Gripper
HGPC/HGRC/HGWC

Fig. 2



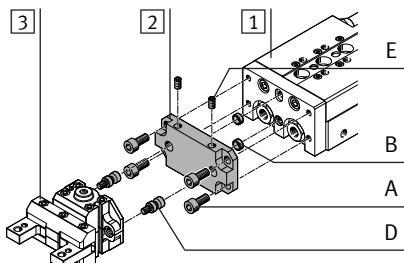
- [1] Linear module
HMPL-12/-16
[2] Adapter kit
HAPG-100
[3] Gripper
HGPC-/HGRC/HGWC-12

Fig. 3



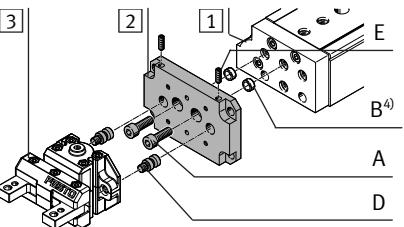
- [1] Linear module
HMPL-16/-20
[2] Adapter kit
HAPG-55
[3] Gripper
HGPC-/HGRC-/HGWC-16/-20

Fig. 4



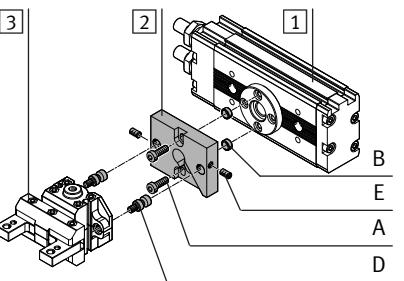
- [1] Mini slide
SLT
[2] Adapter kit
HAPG
[3] Gripper
HGPC/HGRC/HGWC

Fig. 5



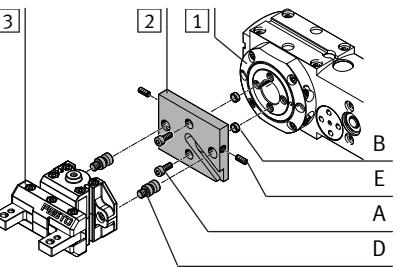
- [1] Mini slide
DGSL
[2] Adapter kit
HAPG
[3] Gripper
HGPC/HGRC/HGWC

Fig. 6



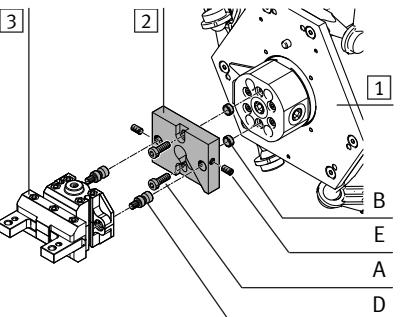
- [1] Semi-rotary drive
DRQD
[2] Adapter kit
HAPG-SD2
[3] Gripper
HGPC/HGRC/HGWC

Fig. 7



- [1] Rotary module
ERMB
[2] Adapter kit
HAPG-SD2
[3] Gripper
HGPC/HGRC/HGWC

Fig. 8



- [1] Parallel kinematic system EXPT
[2] Adapter kit
HAPG-SD2
[3] Gripper
HGPC/HGRC/HGWC

Fig.

	1	2	3	4	5	6	7	8
[1] Drive	HMP-	HMPL-		SLT-	DGSL-	DRQD-	ERMB-	EXPT-
	16 20 25	12 16 16 20 20	10 16 16 20 20 25	12 16 20 25 20 25	12 16 16 20 20 25	12 16 16 20 20 25	20 20 25	45/70/95/120 ⁵⁾
[2] Kit	HAPG-	HAPG-		HAPG-	HAPG-	HAPG-SD2-	HAPG-SD2-	HAPG-SD2-
	45 46	100 55	100 58 101 49 102 51	58 49 51	41 42 43 44	42 43 44	41 42	
[3] Gripper	HGPC-/HGRC-/HGWC-	HGPC-/HGRC-/HGWC-		HGPC-/HGRC-/HGWC-	HGPC-/HGRC-/HGWC-	HGPC-/HGRC-/HGWC-	HGPC-/HGRC-/HGWC-	
	16 20	12 16 20	12 16 20	12 16 20	12 16 20	12 16 20	16 20	12 16
	M _A ¹⁾ [Nm]							

A Socket head screws in accordance with DIN 912

M3x10	1.8						2x	
M4x10	3							2x 2x
M4x12				4x				
M4x12 DIN 6912							2x 2x	2x 2x
M5x12	6				4x 4x 4x			
M5x14					4x			
M5x16		2x						
M5x18			4x 4x					
M5x25								
M5x30		2x						
M5x35		2x						
M6x12 DIN 6912	10						2x 2x	2x 2x
M6x14							2x	
M6x16					4x			
M6x18							2x	

B Centring sleeves

ZBH-5				2x				
ZBH-7	2x ²⁾		2x ²⁾	2x 2x		2x ³⁾		2x 2x
ZBH-9	2x 2x ²⁾	2x	4x 2x ²⁾	2x 2x		2x ³⁾ 2x ³⁾	2x	2x 2x
ZBH-12								

C Socket head screws in accordance with DIN 912

M5x16	6		2x					
M5x25		2x						
M6x16	10		2x					
M6x25		2x						

D Threaded bolts

HAPG-ZB-7	3		2x		2x		2x	
HAPG-ZB-7-L	6				2x		2x	
HAPG-ZB-9	10				2x		2x	

E Threaded pins in accordance with DIN 913

M3x12-14H DIN 553	1.8			2x 2x		2x 2x		
M4x6-45H	3						2x	
M4x8-A2-70				2x			2x	
M4x10-45H				2x		2x	2x	
M4x12-45H				2x		2x	2x	

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

²⁾ These centring sleeves are included with the grippers.

³⁾ These centring sleeves are included with the mini slide DGSL.

⁴⁾ For DRQD-12, no centring sleeves (B) are intended.

⁵⁾ Not for EXPT-....T0

-Pneumatic gripper only with EXPT-....T2 and EXPT-....T4