



- Permits easy adjustment
- Wide choice of mounting options

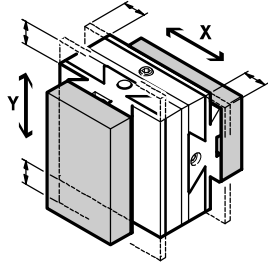
Adjusting units HMXY

Key features

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At a glance

Mounting options



- Precision adjusting unit in X and Y directions
- Allows easy adjustment of grippers to obtain precise gripping position
- Versatile precision interfaces using centring sleeves
- Wide choice of mounting options:
 - Direct mounting
 - Dovetail mounting

Combination with drives and grippers

Mounting on the basic components → 5

Linear module
HMP



Mini slide
SLT



Mini slide
DGSL



Adapter kits

- Direct mounting
- Dovetail mounting

Adjusting unit HMXY

- Interface between basic component and attachment component

Adapter kits

- Direct mounting
- Dovetail mounting



Mounting the attachment components → 7



Mini slide
DGSL



Mini slide
SLT



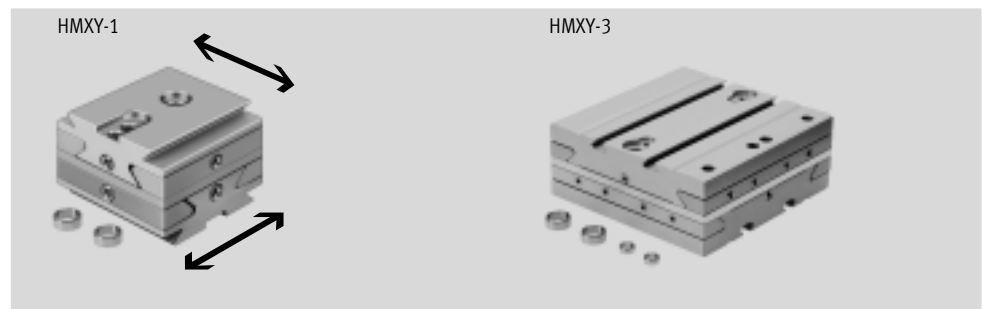
Gripper
DHPS, DHRS, DHDS, DHWS,
HGDT, HGDD, HGPP

Adjusting units HMX

Technical data

FESTO

Adjusting unit

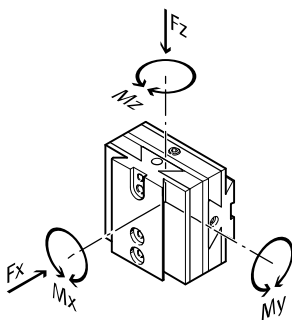


General technical data		HMX-1	HMX-3
Positioning distance	y [mm]	7.5	7.5
	z [mm]	7.5	7.5
Max. static characteristic load values → Fig. 1	Forces		
	F_x [N]	50	160
	F_z [N]	50	160
	Torques		
	M_x [Nm]	1.4	20
	M_y [Nm]	1.4	20
Mass moment of inertia → Fig. 2	J_x [kgm ² ×10 ⁻⁴]	0.499	8.650
	J_y [kgm ² ×10 ⁻⁴]	0.361	5.121
	J_z [kgm ² ×10 ⁻⁴]	0.361	5.121
Weight	[g]	155	2324
Ambient temperature	[°C]	5 ... 60	
Corrosion resistance class CRC ¹⁾		2	
Material		Anodised aluminium	
Note on materials		Free of copper and PTFE	

- 1) Corrosion resistance class 2 according to Festo standard 940 070
Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

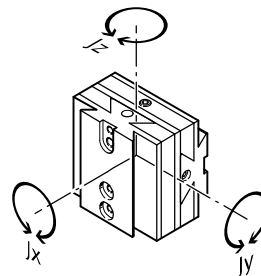
Max. permissible static characteristic load values

Fig. 1



Mass moment of inertia

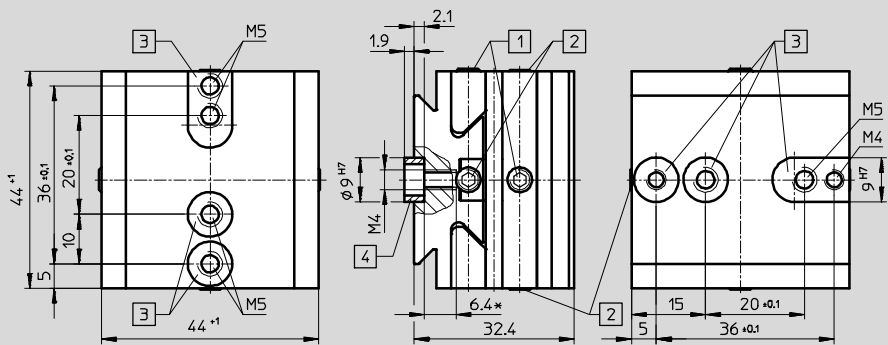
Fig. 2



Technical data

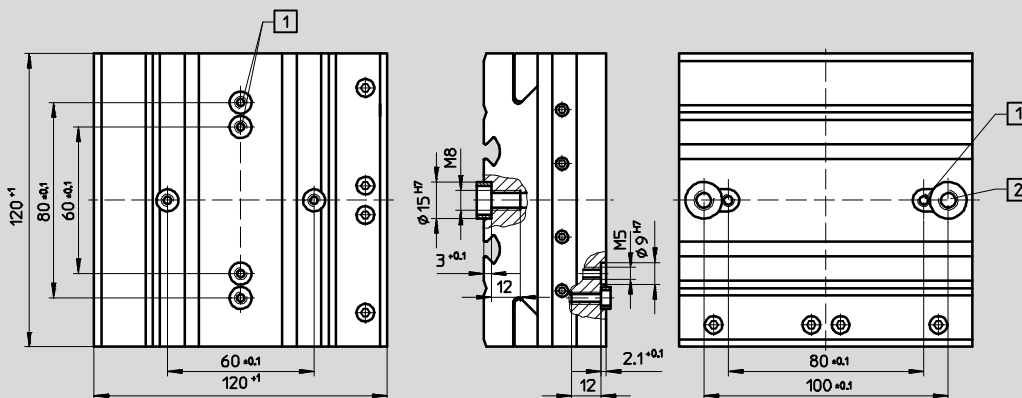
Download CAD data → www.festo.com

HMXY-1



- | | | |
|--------------------------|---|-------------------------|
| 1 Locking screw | 3 Centring hole/slot | * For M4 and M5 threads |
| 2 Adjusting screw | 4 For centring sleeve ZBH-9
(2 included in the scope of delivery) | |

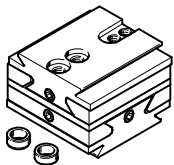
HMXY-3



- | | |
|---|--|
| <p>1 For centring sleeve ZBH-9
(2 included in the scope of
delivery)</p> | <p>2 For centring sleeve ZBH-15
(2 included in the scope of
delivery)</p> |
|---|--|

Ordering data

Part No.	Type
187582	HMXY-1
526030	HMXY-3



Adjusting units HMXY

Technical data – Mounting on the basic components

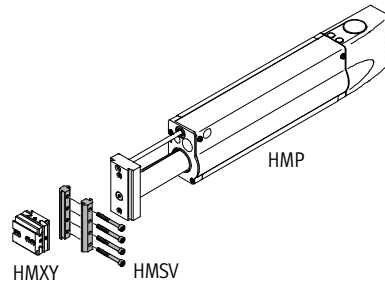
FESTO

Mounting on linear module HMP

Material:

Adapter kit HMSV: Wrought aluminium alloy

Free of copper and PTFE

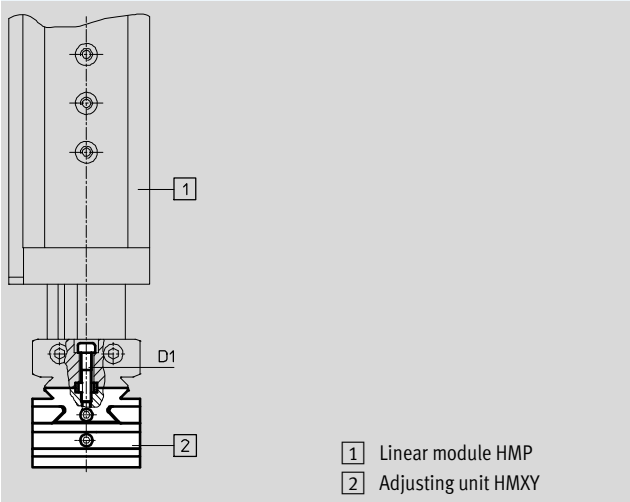


Direct mounting/dovetail mounting

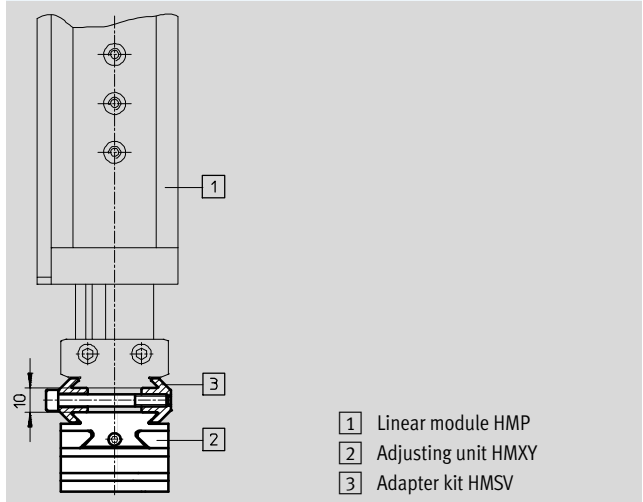
Dimensions and ordering data

Download CAD data → www.festo.com

Direct mounting



Dovetail mounting



Basic component	Adjusting unit	Screws ¹⁾ D1	Part No.	Type
Direct mounting				
HMP-16/20	HMXY-3	2x M5x25	–	
HMP-25/32		2x M5x30	–	
Dovetail mounting				
HMP-16/20/25/32	HMXY-1	–	177647	HMSV-1
HMP-16/20/25/32	HMXY-3	–	177649	HMSV-3

1) The screws listed are not included in the scope of delivery of the adjusting unit.

Adjusting units HMXY

Technical data – Mounting on the basic components

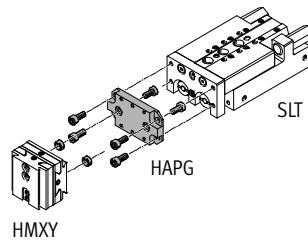
FESTO

Mounting on mini slide SLT

Material:

Adapter kit HAPG: Wrought aluminium alloy

Free of copper and PTFE

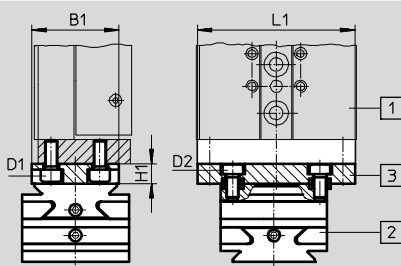


Direct mounting

Dimensions and ordering data

Download CAD data → www.festo.com

Direct mounting



- 1 Mini slide SLT
- 2 Adjusting unit HMXY
- 3 Adapter kit HAPG

Basic component	Adjusting unit	B1	H1	L1	Screws D1	Screws D2	Part No.	Type
SLT-16	HMXY-1	36	8	65	M5x10	M5x12	191266	HAPG-48
SLT-20		44	10	80	M5x12	M5x14	191268	HAPG-50
SLT-25	HMXY-1/3	44	12	91	M6x16	M5x14	191270	HAPG-52

Adjusting units HMX

Technical data – Mounting the attachment components

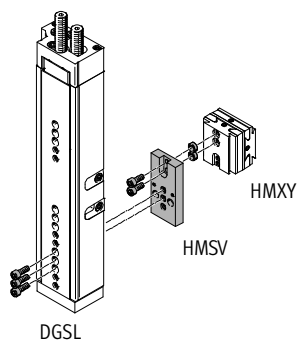
Mounting on mini slide DGSL

Material:

Adapter kit HMSV:

Wrought aluminium alloy

Free of copper and PTFE

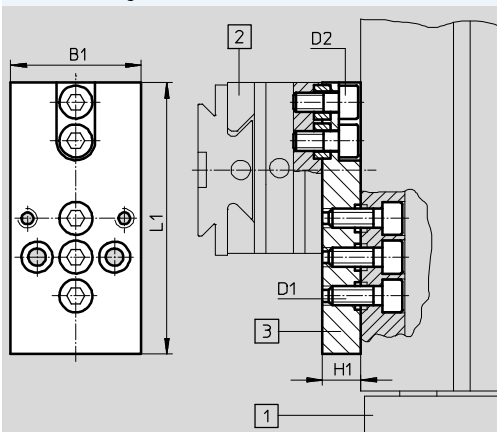


Direct mounting

Dimensions and ordering data

Download CAD data → www.festo.com

Direct mounting



- 1 Mini slide DGSL
- 2 Adjusting unit HMX
- 3 Adapter kit HMSV

Attachment component	Adjusting unit	B1	D1	D2	H1	L1	Part No.	Type
DGSL-4/6	HMX-1	33.6	M3	M5	10	87	548787	HMSV-57
DGSL-8/10	HMX-1	33.6	M4	M5	10	87		
DGSL-12/16	HMX-1	33.6	M5	M5	10	70	548782	HMSV-52
DGSL-20/25	HMX-3	40	M6	M5	10	100	548929	HMSV-60

Adjusting units HMXY

Technical data – Mounting the attachment components

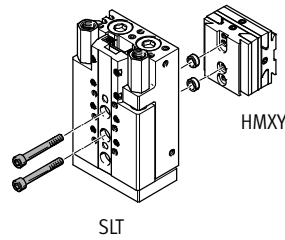
FESTO

Mounting on mini slide SLT

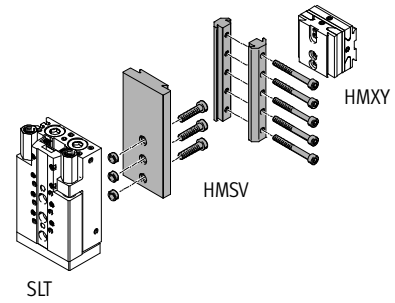
Material:

Adapter kit HMSV: Wrought aluminium alloy

Free of copper and PTFE



Direct mounting

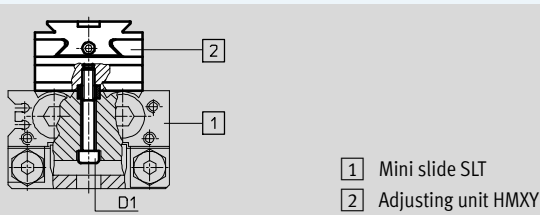


Dovetail mounting

Dimensions and ordering data

Download CAD data → www.festo.com

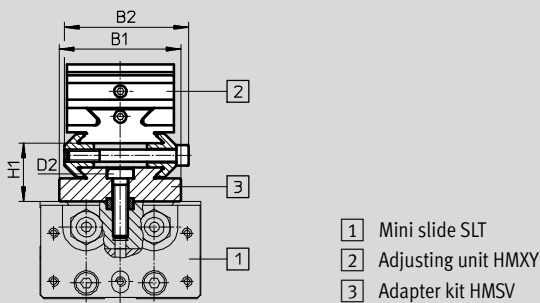
Direct mounting



Attachment component	Adjusting unit	Screws ¹⁾ D1
SLT-16	HMXY-1	2x M5x38

1) The screws listed are not included in the scope of delivery of the adjusting unit.

Dovetail mounting



Attachment component	Adjusting unit	B1	B2	H1	Screws D2	Part No.	Type
SLT-6	HMXY-1/3	40	51	22	M3x20	178329	HMSV-34
SLT-10		40	51	22	M4x30	178330	HMSV-35
SLT-16		50	51	24	M6x25	178331	HMSV-36
SLT-20		80	51	26	M6x25	178332	HMSV-37
SLT-25	HMXY-3	80	51	26	M8x25		

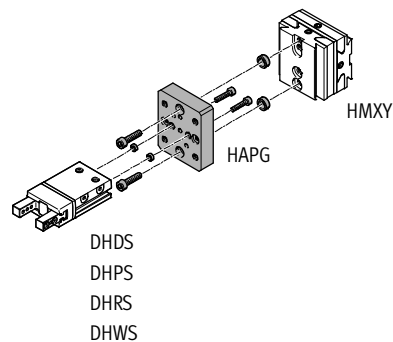
Adjusting units HMXY

Technical data – Mounting the attachment components

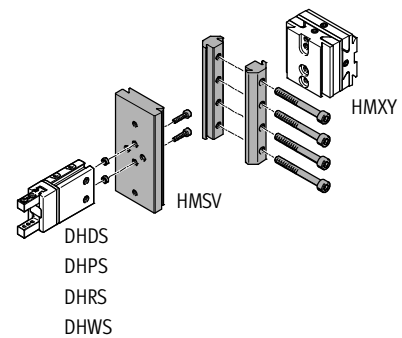
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Mounting on gripper DHDS, DHPS, DHRS, DHWS

Material:
Adapter kit HAPG:
Wrought aluminium alloy
Free of copper and PTFE



Direct mounting

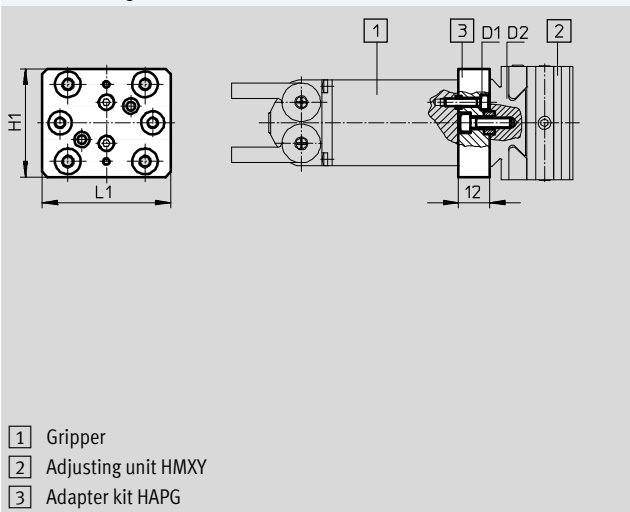


Dovetail mounting

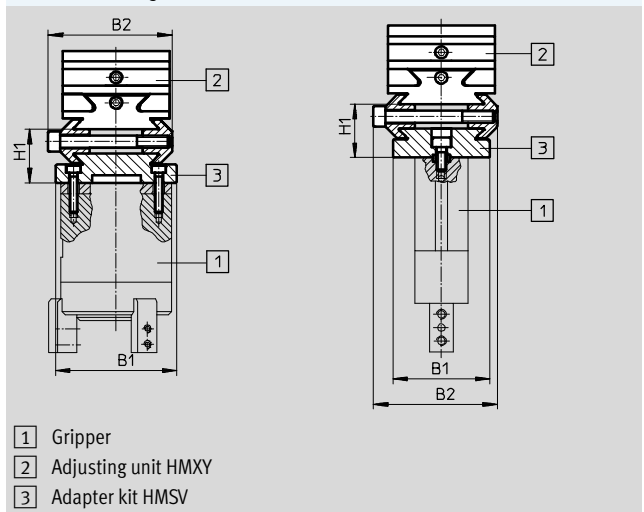
Dimensions and ordering data

Download CAD data → www.festo.com

Direct mounting



Dovetail mounting



Attachment component	Adjusting unit	B1	B2	H1	L1	Screws D1	Screws D2	Part No.	Type
Direct mounting									
DHPS-06, DHRS-10, DHWS-10	HMXY-1	–	–	42	50	M3x14	M4x16	192706	HAPG-37-S1
DHDS-16		–	–	42	50	M3x20	M4x16	193921	HAPG-36-S3
DHPS-06, DHRS-16, DHWS-16		–	–	42	50	M3x14	M4x16	192705	HAPG-36-S1
DHPS-16, DHRS-25, DHWS-25		–	–	42	50	M4x14	M4x16	193922	HAPG-37-S4
Dovetail mounting									
DHPS-10, DHRS-16, DHWS-16	HMXY-1/3	40	51	22	–	–	–	177767	HMSV-27
DHPS-16, DHRS-25, DHWS-25		40	51	22	–	–	–	177768	HMSV-28
DHPS-25, DHRS-32, DHWS-32		50	51	24	–	–	–	177769	HMSV-29
DHDS-32	HMXY-3	50	51	22	–	–	–	178212	HMSV-32
DHPS-35, DHRS-40, DHWS-40		60	51	28	–	–	–	177770	HMSV-30
DHDS-50		70	51	24	–	–	–	178213	HMSV-33

Adjusting units HMXY

Technical data – Mounting the attachment components

FESTO

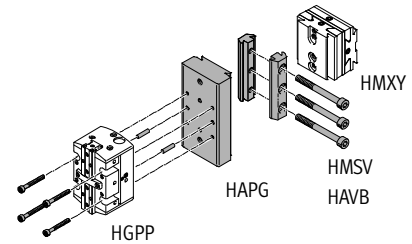
Mounting on parallel gripper HGPP

Material:

Adapter kit HAVB, HMSV, HAPG:

Wrought aluminium alloy

Free of copper and PTFE

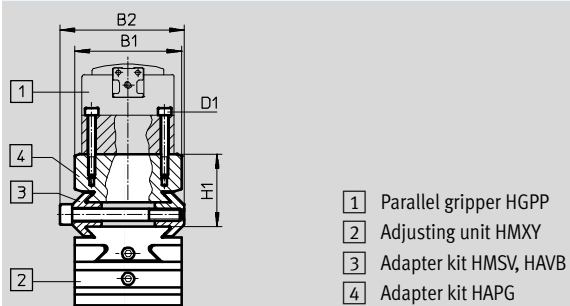


Dovetail mounting

Dimensions and ordering data

Download CAD data → www.festo.com

Dovetail mounting



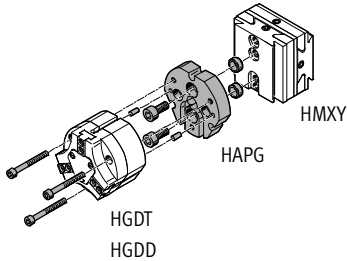
Attachment component	Adjusting unit	B1	B2	H1	Screws D1	Part No.	Type	Part No.	Type
HGPP-12	HMXY-1	44	51	27.5	M5x30	163239	HAVB-3	191262	HAPG-44
	HMXY-3	44	51	30	M5x30	177649	HMSV-3	191262	HAPG-44
HGPP-16	HMXY-1	44	51	27.5	M5x30	163239	HAVB-3	191263	HAPG-45
	HMXY-3	44	51	30	M5x30	177649	HMSV-3	191263	HAPG-45
HGPP-20	HMXY-1	50	51	19.5	M5x30	163239	HAVB-3	191265	HAPG-47
	HMXY-3	50	51	22	M5x30	177649	HMSV-3	191265	HAPG-47
HGPP-25	HMXY-1	60	51	25.5	M5x40	163239	HAVB-3	529019	HAPG-59
	HMXY-3	60	51	28	M5x40	177649	HMSV-3	529019	HAPG-59
HGPP-32	HMXY-3	60	51	28	M5x50	177653	HMSV-7	529020	HAPG-61

Adjusting units HMXY

Technical data – Mounting the attachment components

Mounting on three-point gripper HGDT, HGDD

Material:
 Adapter kit HAPG:
 Wrought aluminium alloy
 Free of copper and PTFE

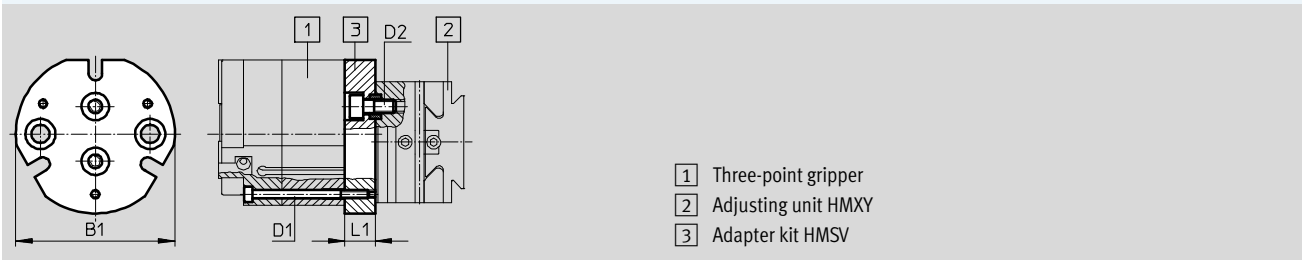


Direct mounting

Dimensions and ordering data

Download CAD data → www.festo.com

Direct mounting



Attachment component	Adjusting unit	B1	D1	D2	L1	Part No.	Type
HGDT-25	HMXY-1	48	M3	M5	10	542439	HAPG-SD2-32
HGDT-35, HGDD-35		58	M3	M5	11	542436	HAPG-94