

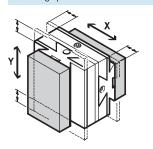
- Permits easy adjustment
- Wide choice of mounting options

Adjusting units HMXY Key features

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Key features at a glance

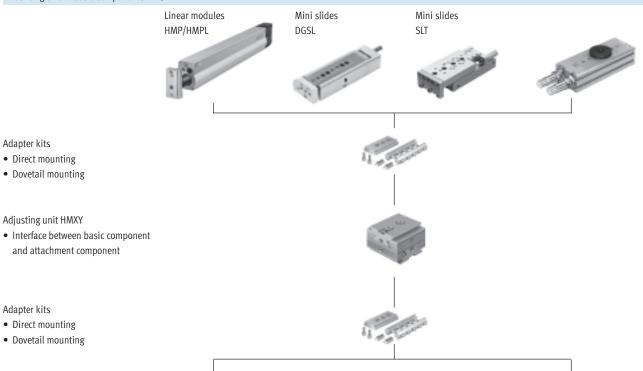
Mounting options



- 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



Mounting the attachment component → 8



531.Adjusting units HMXY Technical data



Adjusting unit

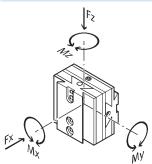


General technical data						
		HMXY-1	HMXY-3			
Adjustment travel	y [mm]	7.5	7.5			
	z [mm]	7.5	7.5			
Max. static characteristic load	Forces					
values	F _X [N]	50	160			
→ Fig. 1	Fz [N]	50	160			
	Torques					
	M _X [Nm]	1.4	20			
	M _y [Nm]	1.4	20			
	M _z [Nm]	1.4	20			
Mass moment of inertia	J_{x} [kgm ² x10 ⁻⁴]	0.499	8.650			
→ Fig. 2	J _y [kgm ² x10 ⁻⁴]	0.361	5.121			
	J_z [kgm ² x10 ⁻⁴]	0.361	5.121			
Weights	[g]	155	2,324			
Ambient temperature	[°C]	5 60				
Corrosion resistance class CRC ¹⁾		2				
Materials		Anodised aluminium				
Note on materials		Free of copper, PTFE and silicone				

¹⁾ Corrosion resistance class 2 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

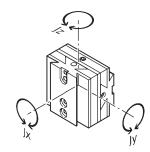
Max. permissible static characteristic load values

Fig. 1



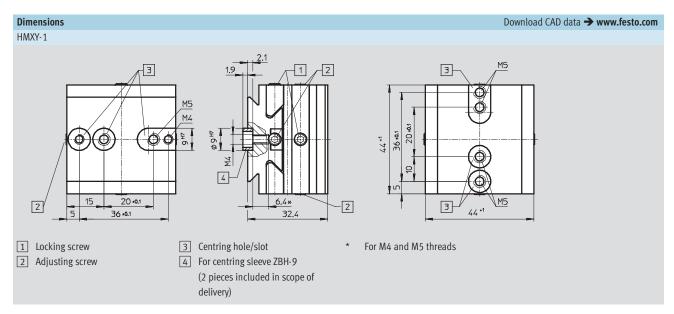
Mass moments of inertia

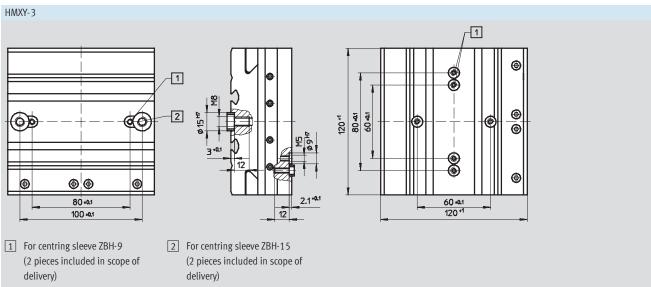
Fig. 2



532.Adjusting units HMXY Technical data







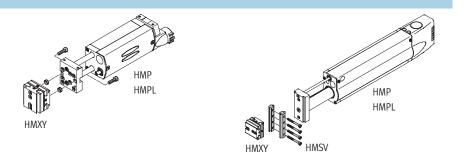
o. Type
82 HMXY-1
30 HMXY-3
5



Mounting on linear module HMP/HMPL

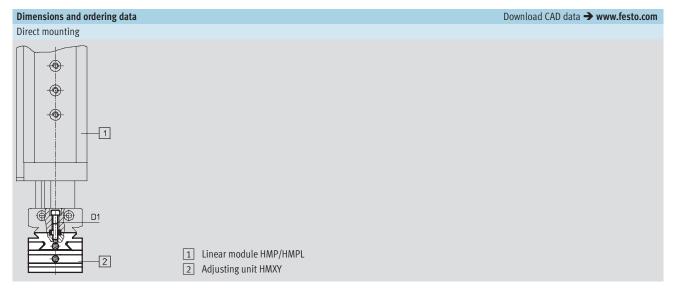
Material:

Adapter kit HMSV: Wrought aluminium alloy Free of copper, PTFE and silicone



Direct mounting

Dovetail mounting



Basic component	Adjusting unit	Screws ¹⁾ D1
HMP-16/20	HMXY-3	2x M5x25
HMP-25/32		2x M5x30
HMPL-12/16/20	HMXY-1	2x M5x16

¹⁾ The screws listed are not included with the adjusting unit.



2

Mounting on linear module HMP/HMPL Dimensions and ordering data Download CAD data → www.festo.com Dovetail mounting • • 1

Basic component	Adjusting unit	Part No.	Туре
HMP-16/20/25/32	HMXY-1	177 647	HMSV-1
HMP-16/20/25/32	HMXY-3	177 649	HMSV-3

1 Linear module HMP

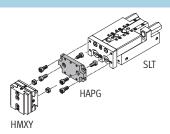
2 Adjusting unit HMXY 3 Adapter kit HMSV



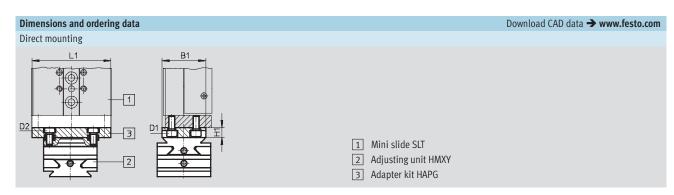
Mounting on mini slide SLT

Material:

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



Direct mounting

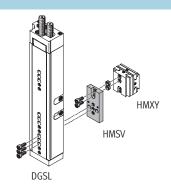


Basic component	Adjusting unit	B1	H1	L1	Screws D1	Screws D2	Part No.	Туре
SLT-16	HMXY-1	36	8	65	M5x10	M5x12	191 266	HAPG-48
SLT-20]	44	10	80	M5x12	M5x14	191 268	HAPG-50
SLT-25	HMXY-1/3	44	12	91	M6x16	M5x14	191 270	HAPG-52

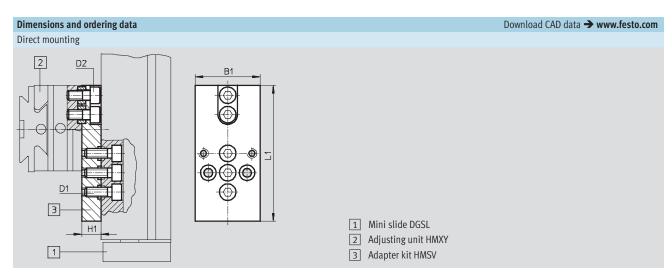
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Mounting on mini slide DGSL

Material: Adapter kit HMSV: Wrought aluminium alloy Free of copper, PTFE and silicone



Direct mounting



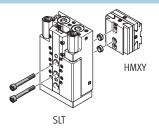
Attachment component	Adjusting unit	B1	D1	D2	H1	L1	Part No. Type
DGSL-4/6	HMXY-1	33.6	M3	M5	10	87	548 787 HMSV-57
DGSL-8/10	HMXY-1	33.6	M4	M5	10	87]
DGSL-12/16	HMXY-1	33.6	M5	M5	10	70	548 782 HMSV-52
DGSL-20/25	HMXY-3	40	M6	M5	10	100	548 929 HMSV-60

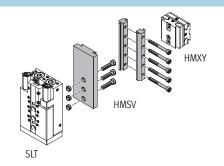


Mounting on mini slide SLT

Material:

Adapter kit HMSV: Wrought aluminium alloy Free of copper, PTFE and silicone





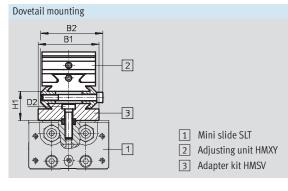
Direct mounting

Dovetail mounting

Dimensions and ordering data Download CAD data → www.festo.com Direct mounting 2 1 1 Mini slide SLT 2 Adjusting unit HMXY

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

1) The screws listed are not included with the adjusting unit.



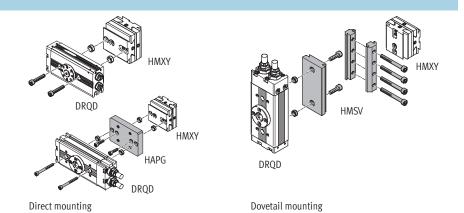
Attachment component	Adjusting unit	B1	B2	H1	Screws D2	Part No.	Туре
SLT-6	HMXY-1/3	40	51	22	M3x20	178 329	HMSV-34
SLT-10]	40	51	22	M4x30	178 330	HMSV-35
SLT-16]	50	51	24	M6x25	178 331	HMSV-36
SLT-20		80	51	26	M6x25	178 332	HMSV-37
SLT-25	HMXY-3	80	51	26	M8x25		



Mounting on semi-rotary drive DRQD

Material:

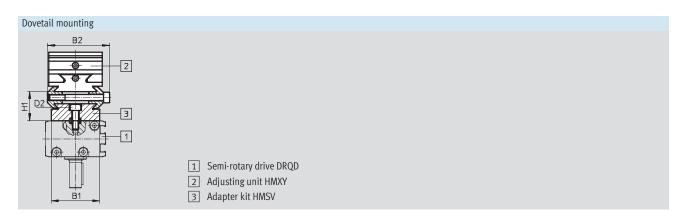
Adapter kit HAPG, HMSV: Wrought aluminium alloy Free of copper, PTFE and silicone



Dimensions and ordering data Download CAD data → www.festo.com Direct mounting 2 1 1 Semi-rotary drive DRQD 2 Adjusting unit HMXY

Attachment component	Adjusting unit	Screws ¹⁾ D1	Part No. Type
DRQD-8	HMXY-1	2x M4x20	-
DRQD-12		2x M4x25	-
DRQD-B-16/20		-	192 707 HAPG-38
DRQD-B-32	HMXY-3	2x M5x55	-
DRQD-40		2x M8x75 ²⁾	-
DRQD-50		2x M8x90 ³⁾	-

- The screws listed are not included with the adjusting unit.
- The terminal length should be 60 mm. The terminal length should be 75 mm.



Attachment component	Adjusting unit	B1	B2	H1	Screws D2	Part No.	Туре
DRQD-B-16/20	HMXY-1/3	40	51	22	M5x16	177 656	HMSV-10
DRQD-B-25	HMXY-3		51		M5x10	177 657	HMSV-11
		50		24		177 649	HMSV-3
DRQD-B-32		50	51	24		177 663	HMSV-17
						177 653	HMSV-7



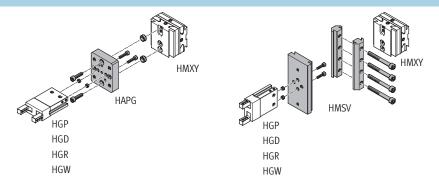
Mounting on gripper HGD/HGP/HGR/HGW

Material:

Adapter kit HAPG:

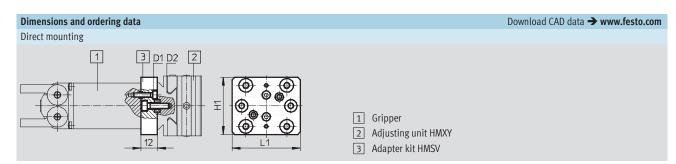
Wrought aluminium alloy

Free of copper, PTFE and silicone



Direct mounting

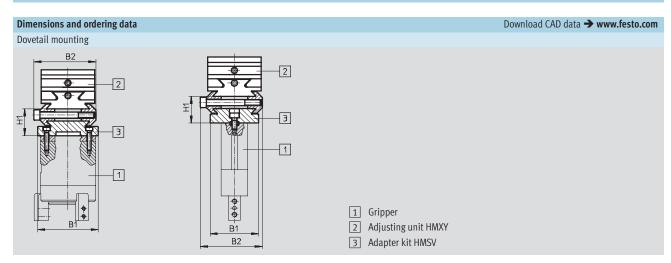
Dovetail mounting



Attachment component	Adjusting unit	H1	L1	Screws D1	Screws D2	Part No.	Туре
HGP-6, HGR-10, HGW-10	HMXY-1	42	50	M3x14	M4x16	192 706	HAPG-37-S1
HGD-16]	42	50	M3x20	M4x16	193 921	HAPG-36-S3
HGP-10, HGR-16, HGW-16]	42	50	M3x14	M4x16	192 705	HAPG-36-S1
HGP-16, HGR-25, HGW-25		42	50	M4x14	M4x16	193 922	HAPG-37-S4

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Mounting on gripper HGD/HGP/HGR/HGW



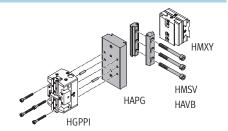
Attachment component	Adjusting unit	B1	B2	H1	Part No.	Туре
HGP-10, HGR-16, HGW-16	-l	40	51	22	177 767	HMSV-27
HGP-16, HGR-25, HGW-25		40		22	177 768	HMSV-28
HGP-25, HGR-32, HGW-32	HMXY-1/3	50	51	24	177 769	HMSV-29
HGD-32	HMXY-3	50	51	22	178 212	HMSV-32
HGP-35, HGR-40, HGW-40	HMXY-3	60	51	28	177 770	HMSV-30
HGD-50	HMXY-3	70	51	24	178 213	HMSV-33



Mounting on parallel gripper HGPP

Material:

Adapter kit HAVB, HMSV, HAPG: Wrought aluminium alloy Free of copper, PTFE and silicone



Dovetail mounting

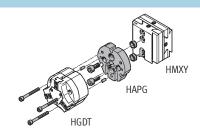


Attachment component	Adjusting unit	B1	B2	H1	Screws D1	Part No.	Туре	Part No.	Туре
HGPP-12	HMXY-1	44	51	27.5	M5x30	163 239	HAVB-3	191 262	HAPG-44
	HMXY-3	44	51	30	M5x30	177 649	HMSV-3	191 262	HAPG-44
HGPP-16	HMXY-1	44	51	27.5	M5x30	163 239	HAVB-3	191 263	HAPG-45
	HMXY-3	44	51	30	M5x30	177 649	HMSV-3	191 263	HAPG-45
HGPP-20	HMXY-1	50	51	19.5	M5x30	163 239	HAVB-3	191 265	HAPG-47
	HMXY-3	50	51	22	M5x30	177 649	HMSV-3	191 265	HAPG-47
HGPP-25	HMXY-1	60	51	25.5	M5x40	163 239	HAVB-3	529 019	HAPG-59
	HMXY-3	60	51	28	M5x40	177 649	HMSV-3	529 019	HAPG-59
HGPP-32	HMXY-3	60	51	28	M5x50	177 653	HMSV-7	529 020	HAPG-61

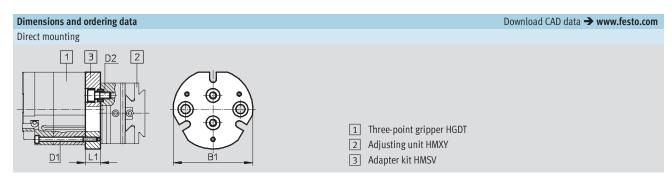


Mounting on three-point gripper HGDT

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



Direct mounting



Attachment component	Adjusting unit	B1	D1	D2	L1	Part No. Type
HGDT-25	HMXY-1	48	M3	M5	10	542 439 HAPG-SD2-32
HGDT-32		58	M3	M5	11	542 436 HAPG-94

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