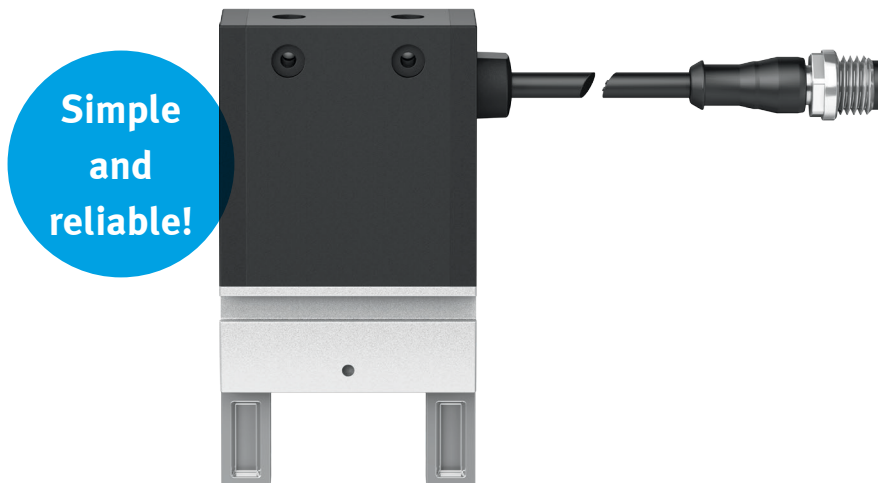


Electric standard gripper EHPS

FESTO



For standard movement

Highlights

- Long stroke for different workpieces
- Brushless DC motor
- Adjustable gripping force
- Controller-free actuation using digital signals
- Stable T-slot guidance of gripper jaws for high torque resistance

Reliable, economical, powerful. The parallel gripper EHPS is a great solution for gripping small to medium-sized parts. It comes into its own in handling and assembly technology as well as in special machine construction, the electronics industry, small parts assembly and MedLab.

Integrated control

Digital actuation makes commissioning easy – with no need for external controllers. Direct position sensing with the T-slot on the gripping head indicates whether the gripping motion is correct. The latched switch with four gripping force adjustment settings makes EHPS powerful and adaptable for sensitive workpieces.

Reliable operation

In the event of a power failure, EHPS holds the workpiece through automatic locking of

the gear unit while the free wheel unit prevents jamming. The gripper is actuated via two open/close PINs and just one signal; uncontrolled movement is prevented.

Small and powerful

In the EHPS, compact dimensions without interference contours and protruding plugs are combined with a highly dynamic motor for high forces and a strong dynamic response. The acceleration distance for maximum force is just 0.5 mm.

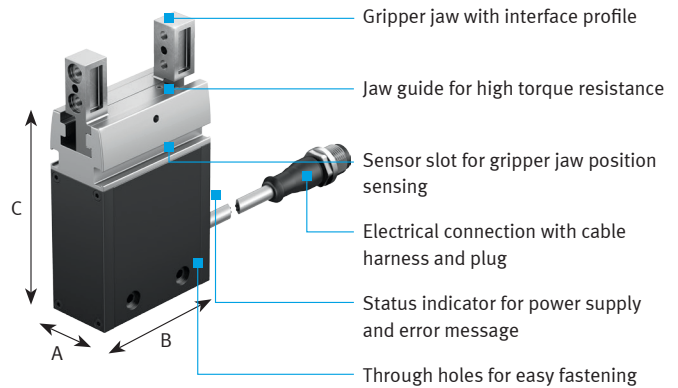
Electric standard gripper EHPS

Powerful for simple tasks

EHPS is ideal for use in electric systems or in applications in which no air is permitted and a clean environment is required.

Switching logic

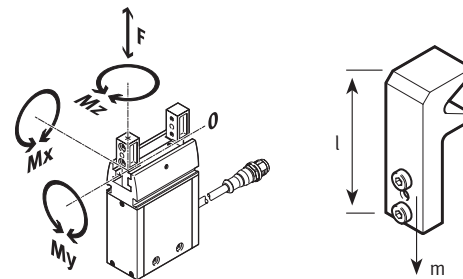
The grippers are controlled by edge triggering, e.g. a movement is immediately initiated when a leading edge is detected at the input. The gripper can be connected to Festo output modules CECC and CPX via a terminal strip.



Type	EHPS-...		
Nominal size	16	20	25
Opening width per jaw [mm]	10	13	16
Gripping force [N]	50	90	125
Closing time [s]	0.3	0.42	0.44
Weight [kg]	0.31	0.54	0.9
Ambient temperature [°C]	-5 ... 60		
Materials	Aluminium (housing, cover)		
Degree of protection	IP40		
Cable length [m]	0.3		
Operating voltage [V DC]	24		
Dimensions A, B, C [mm]	26/53.8/99.5	32/65/118.5	39/79.4/141
Gripper finger data*			
Permissible gripper finger length [mm]	80	100	120
Max. mass per finger [g]	100	150	230

* To be adhered to by the customer

Max. force (static) and max. torque (static)

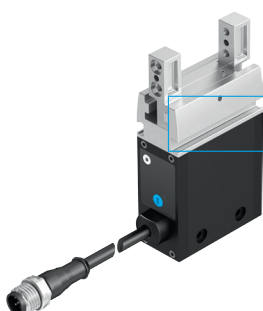


Nominal size	16	20	25
FZ [N]	200	325	450
MX [Nm]	4.5	8	11
MY [Nm]	2.5	3.5	6
MZ [Nm]	4.5	8	11

Accessories

Adapter kits

EHPS	EGSL			DGPL, DGE, DGEA				ERMB			EHMB			ERMO				
	45	55	75	18	25	32	40	20	25	32	20	25	32	12	16	25	32	
16		•				•		•								•		
20	•								•								•	
25			•					•	•	•	•	•	•					•



	SMT-8M	SMT-8G	SMAT	SDAT
16	•*	•	•	
20	•	•	•	•
25	•	•	•	•

* With projection