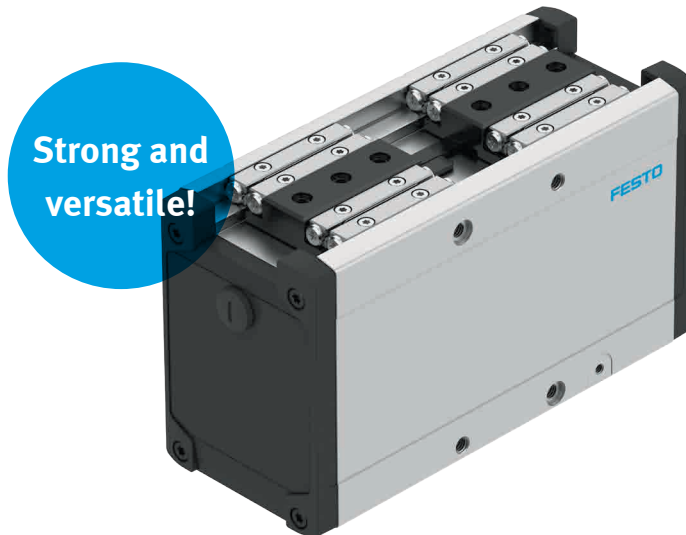


Electric parallel gripper HEPP

FESTO



Compact, simple, precise

Highlights

- Powerful and versatile
- Dynamic motor for adjustable motion response
- Simple, variable parameterisation
- Compact with integrated controller
- Cross-roller guide for high accuracy
- Safety with integrated holding brake
- Control via PROFINET®, EtherNet/IP®, EtherCat®

The powerful, compact electric gripper HEPP is flexible in operation and ideal for a wide range of workpieces in electric systems or applications without compressed air. It is also optimised for the electronics and small-parts industry, laboratory automation and special machine building.

Powerful and versatile

With its gripping force of up to 400 N and a stroke up to 56 mm, HEPP can be adjusted for a wide range of workpieces, both in terms of size and type of material.

Dynamic and flexible

All you need to do is input the parameters for position, stroke, speed, acceleration or gripping force. With that information and the dynamic electric motor, it is easy to adjust HEPP to your applications. The motion response and how workpieces are handled can also be defined as required, including for complex production processes in the electronics and small parts industry, laboratory automation and special machine building.

Integrated controller and easy to control

HEPP with its integrated controller makes for a very compact unit. And communication via interfaces such as PROFINET®, EtherNet/IP® or EtherCat® simplifies commissioning, parameterisation and monitoring in real-time. EtherCat® with the Festo Automation System CPX-E helps you to optimise your processes and implement smart system solutions with compatible products.

Solution for electrical safety

If the power supply fails, the tried-and-tested integrated holding brake will bring the system to a safe stop.

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General technical data

Size		28	36	42
Stroke per gripper jaw	[mm]	15	22.5	28
Total stroke	[mm]	30	45	56
Max. permissible static force Fz at the gripper jaws	[N]	680	1100	
Max. permissible static torque at the gripper jaws	Mx [Nm]	6.5	13.9	
	My [Nm]	14.5	34.5	38.5
	Mz [Nm]	6.5	13.9	
Gripper repetition accuracy	[mm]	0.02		0.01
Max. gripper jaw backlash Sz	[mm]	0.35		
Position sensing		Motor encoder		
Type of mounting		Via female thread and centring sleeve		
Mounting position		Any		
Gripping force	[N]	150	250	400
Weight	[g]	1400	2100	2600
Ambient temperature	[°C]	0 ... 60		

Electrical data

Size		28	36	42
Nominal voltage logic supply	[V DC]	24 ± 10%		
Max. current consumption	Logic [A]	0.1		
	Load [A]	0.9	1.3	5.0
Degree of protection		IP40		

Fieldbus interfaces

Size		28	36	42
Fieldbus interface, protocol		EtherCAT, EtherNet/IP, PROFINET IRT, PROFINET RT		
Communication profile		CiA402, EoE (Ethernet over EtherCAT), FoE (File over EtherCAT), PROFIdrive, DriveProfile		
Configuration support		EDS file, ESI file, GSDML file		
Fieldbus interface	Connection technology	M12x1, D-coded to EN 6107-2-101		
	Number of pins/wires	4		

