

# Electrical T-slot gripper HGPLE

FESTO



Nothing stands in the way of flexible access with the HGPLE – with freely selectable speed regulation of the gripping positions. Its long stroke enables it to be used with different sized workpieces. Thanks to a tactile gripping option the HGPLE is best suited for soft or highly sensitive workpieces. Alternatively it can reliably grip large and heavy workpieces.

### The sturdy concept

Tried and tested on the HGPT and HGDT type grippers, the T-slot provides the HGPLE with very high torque resistance and extremely high precision.

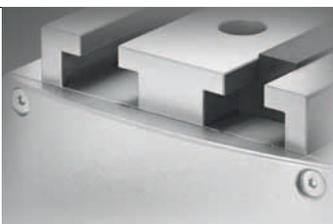
### The economic concept

Sturdy and precise kinetics guarantees at least 5 million strokes. Thanks to a “pre-holding position” the HGPLE parks its gripper fingers just in front of the workpiece and thus reduces the access times to an absolute minimum.

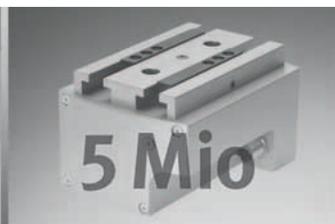
Even when the size of the workpiece requires the entire stroke, the HGPLE is still impressive with its short opening and closing times of 0.6 seconds.

### The flexible concept

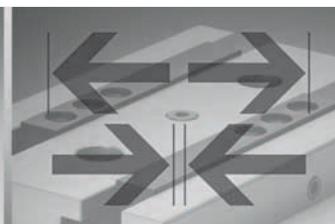
As an integral component of a mechatronic multi-axis modular system its dimensions and interfaces are identical to the pneumatic grippers in the HGPL range. It is controlled on site using the reliable SFC-DC motor controller.



Sturdy



Durable

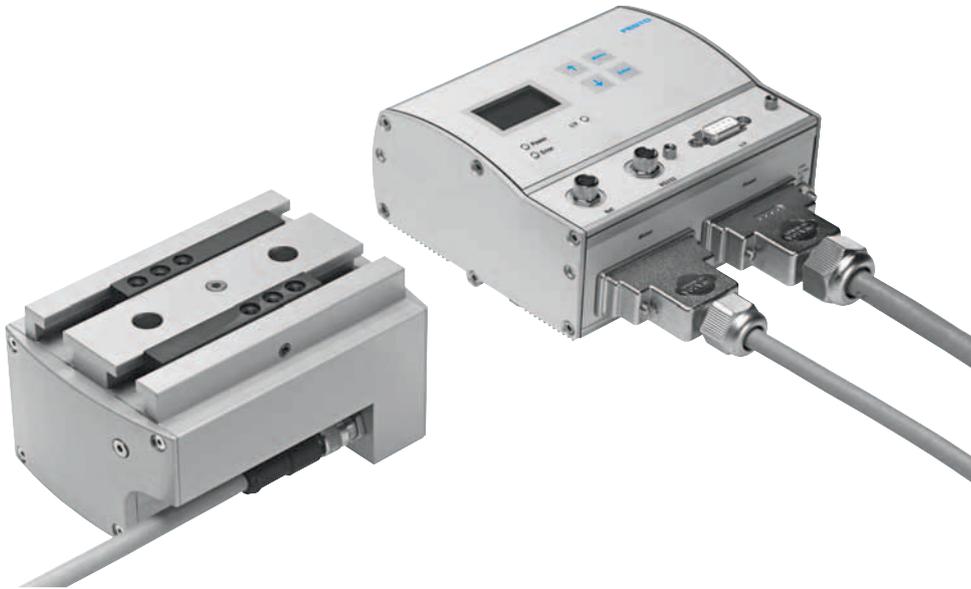


Flexible

139.4.PSI →

Product Short Information

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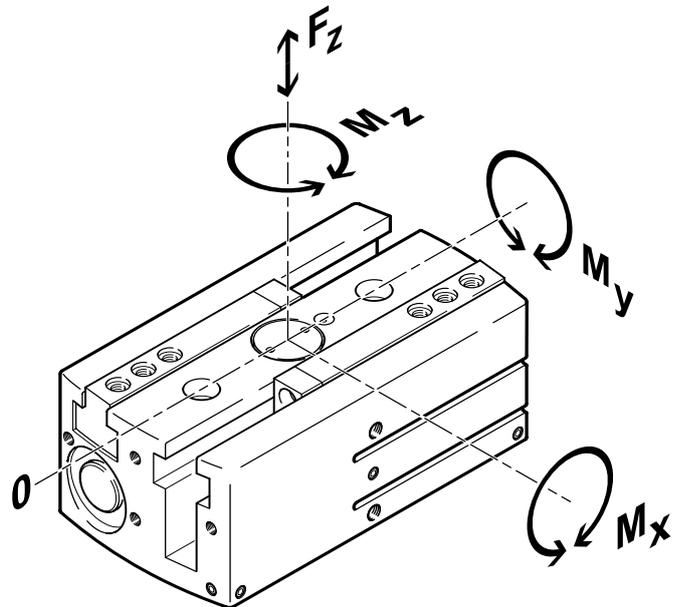


## Advantages

- Maximum flexibility via stroke and gripping force regulation (freely programmable).
- Minimal installation requirements, only one cable is required (from the controller to the gripper). Unlike the HGPL, no tubing connection and sensor cable required.
- Process steps are optimised and cycle times are kept to an absolute minimum due to the “Pre-holding position” option, where the gripper fingers are parked just in front of the workpiece. Furthermore, the entire stroke does not always need to be travelled, in particular for workpieces of varying sizes.

External forces and torques		
Max. permissible force $F_z$	[N]	1500
Max. permissible torque $M_x$	[Nm]	100
Max. permissible torque $M_y$	[Nm]	60
Max. permissible torque $M_z$	[Nm]	70

Technical data	
Size	25
Max. total gripping force	[N] 600
Max. stroke per gripper jaw	[mm] 40
Max. speed	[mm/s] 65
Max. acceleration	[mm/s <sup>2</sup> ] 500
Weight	[kg] 1.7



Versions	
Name	Type
Parallel gripper	HGPLE-25-40-2,8-DC-VCSC-G85
Motor controller	SFC-DC-VC-3-E-H2-PB-S1

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