

Festo Introduces a Flat Parallel Gripper for Space-Constrained Applications

The HPPF flat gripper delivers a large stroke up to 80 mm with a gripping force of up to 377 N at an attractive price.

From recently completed production lines, Festo introduces the HPPF, an innovative flat parallel gripper that ranges in height from 19 mm to 41 mm among its four sizes: 8, 12, 16, and 20. The stroke ranges from a narrow 8 mm to a wide 80 mm, and gripping forces span from 60 N to 377 N. HPPF flat parallel grippers are ideal in space-constrained applications for small parts and electronics assembly, including batteries due to low copper, zinc, and nickel content – less than 1%. These units are attractively priced thanks to manufacturing innovations.

Twin piston rack and pinion motion and ball bearing guides give these units high accuracy – ≤ 0.03 mm to ≤ 0.06 mm – and maintenance-free long-service life. Twin pistons provide these compact units with a high grip force. Units are symmetrical for flexibility in mounting. Both sides feature a C-slot for sensors. Machine builders can adjust the stroke and there is an elastic cushioning option. Weight is exceptionally low – ideal for today's smaller footprint, more sustainable machines – 68 g for the smallest unit and up to 1,326 g for the largest.

For more information on this innovative flat parallel gripper and the advantages of working within the Festo ecosystem – the ecosystem that leads to less engineering overhead, fast time to market, and seamless connectivity – visit www.festo.com.

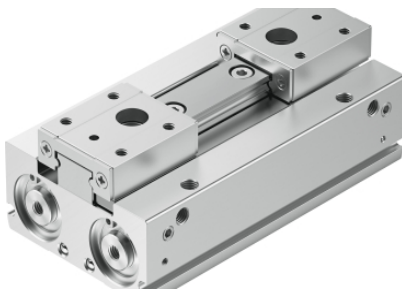
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HPPF

Twin piston rack and pinion motion and ball bearing guides give HPPF parallel grippers high accuracy (≤ 0.03 mm to ≤ 0.06 mm), high gripping power, and maintenance-free long-service life.