

parallel gripper

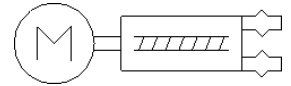
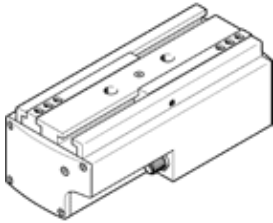
HGPLE-25-80-2,8-DC-VCSC-G85

Part number: 2342436
Product to be discontinued

FESTO

with controllable gripper force and free, speed-controlled choice of the gripper positions.

Type to be discontinued. Available until 2020. See Support Portal for alternative products.



Data sheet

Feature	Value
Size	25
Stroke per gripper jaw	80 mm
Max. replacement accuracy	≤ 0.2 mm
Max. angular gripper jaw backlash ax,ay	≤ 0.2 deg
Max. gripper jaw backlash Sz	≤ 0.05 mm
Controllable stroke range per gripper jaw	0 ... 80 mm
Rotationally symmetrical	≤ 0.2 mm
Repetition accuracy, gripper	≤ 0.05 mm
Number of gripper fingers	2
Assembly position	Any
Gripper function	Parallel
Design structure	Worm gear unit T-shaped Rack and pinion With integrated displacement encoder
Guide	Plain-bearing guide
Position detection	With integrated angular displacement encoder
Configuration support	FCT (Festo Configuration Tool)
Motor type	DC servo motor
Referencing	Fixed stop block positive Fixed stop block negative
Nominal operating voltage DC	24 V
CE mark (see declaration of conformity)	to EU directive for EMC
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Sound pressure level	≤ 60 dB(A)
Protection class	IP40
Ambient temperature	10 ... 40 °C
Mass moment of inertia	72.72 kgcm ²
Max. force on gripper jaw Fz static	1,500 N
Max. torque at gripper Mx static	140 Nm
Max. torque at gripper My static	90 Nm
Max. torque at gripper Mz static	100 Nm
Lubrication interval for guide components	2 Mio SP
Max. ground per external gripper finger	500 g
Product weight	2,030 g
Electrical connection	Plug M12x1 12-pin
Mounting type	Optional Internal thread and centring sleeve With through-hole and centring sleeve

Feature	Value
Materials note	Free of copper and PTFE Conforms to RoHS
Material housing	Aluminium Anodised
Material gripper jaws	Steel Hardened