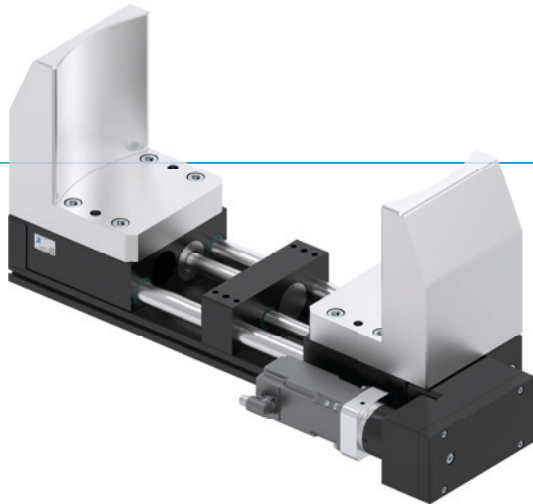


2-JAW PARALLEL GRIPPERS WITH LONG STROKE SERIES GEH8000

▶ PRODUCT ADVANTAGES



“The powerful”

▶ Extremely long and heavy gripper fingers possible

Despite the flat design, there are virtually no limits to the design of the gripper jaws when loading large work-pieces such as engine blocks or wheel rims onto the machine.

▶ Decide for yourself!

Whether standard motors or motors from other manufacturers - you decide what harmonizes best with your system.

▶ Dirt-protected and safe

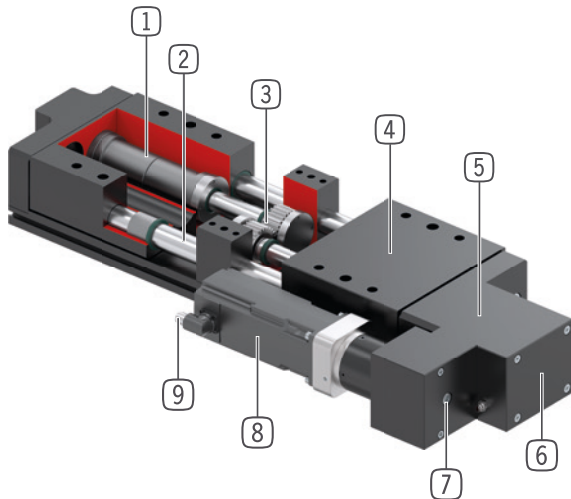
Thanks to its IP54 rating, you can use the gripper even in harsh environmental conditions, and the redundant position hold feature in the event of a power failure ensures maximum process reliability.

▶ SERIES CHARACTERISTICS

Installation size		Version			
GEH8XXXX		M0-03-A	M0-63-A	M1-03-A	M1-63-A
	unpowered; installation provided by customer	•	•		
	Drive with brake			•	•
	Position retention via safety clamp		•		•
	Profinet			•	•
	Gripping force adjustable			•	•
	Integrated sensing			•	•
	Positionable			•	•
	5 million maintenance-free cycles (max.)	•	•	•	•
	IP 54	•	•	•	•



► BENEFITS IN DETAIL



- 1 Trapezoidal threaded shaft**
 - Service life (lubricated)
- 2 Roller slide**
 - Sealed round guide designed for harsh environmental conditions and equipped with maintenance-free plain bearing bushings
- 3 Synchronization**
 - Enclosed and dust-proof; asynchronous on request
- 4 Gripper jaw**
 - individual gripper finger mounting
- 5 Gearbox**
 - Durable force transmission via gears
- 6 Safety clamp**
 - Permanent magnet brake for position locking
 - Redundancy for the holding brake in version -63
- 7 Emergency release**
 - Using an Allen key
- 8 Drive**
 - M1 with a Siemens servo motor and M0 without a motor
- 9 Energy supply**
 - Single-cable solution for power and data transmission

► TECHNICAL DATA

	Stroke per jaw	Nominal gripping force	IP class	Weight
Installation size				
GEH83063	62.5 mm	2200 N	IP54	23 kg - 27 kg
GEH83100	100 mm	2200 N	IP54	24 kg - 28 kg
GEH83125	125 mm	2200 N	IP54	29 kg - 32 kg
GEH83150	150 mm	2200 N	IP54	29 kg - 33 kg

► FURTHER INFORMATION IS AVAILABLE ONLINE

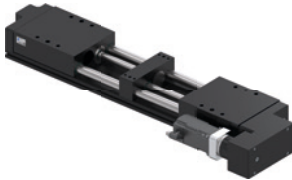


All information just a click away at: www.zimmer-group.com. Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.

2-JAW PARALLEL GRIPPERS WITH LONG STROKE

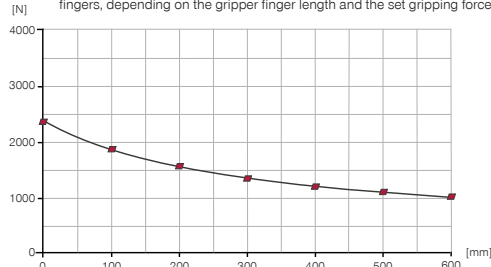
INSTALLATION SIZE GEH83150

▶ PRODUCT SPECIFICATIONS



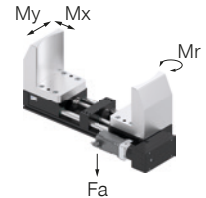
▶ Gripping force diagram

Shows the arithmetic total of the individual forces that occur on the gripper fingers, depending on the gripper finger length and the set gripping force



▶ Forces and moments

Displays static forces and moments that can also have an effect, besides the gripping force.



Mr [Nm]	1020
Mx [Nm]	1010
My [Nm]	1020
Fa [N]	18000

▶ INCLUDED IN DELIVERY



2 [piece]
Centering Disc
059600

▶ RECOMMENDED ACCESSORIES



CONNECTIONS / OTHER



CREG00188
PROFINET drive control system



CSTE01530
Motor connection cable, 3 m



CSTE01531
Motor connection cable, 5 m



CSTE01532
Motor connection cable, 10 m



CONNECTIONS / OTHER



CSTE01924
Motor connection cable, 15 m



ZUB234213
Bosch MS2N03 adapter plate



ZUB230951
Beckhoff AM8022 adapter plate

Order no.	► Technical data			
	GEH83150M0-03-A	GEH83150M0-63-A	GEH83150M1-03-A	GEH83150M1-63-A
Control			Profinet	Profinet
Motor type included in the scope of delivery	Customer-specific	Customer-specific	1FK2203-4AG10-0MA0	1FK2203-4AG10-0MA0
Stroke per jaw, adjustable [mm]	150	150	150	150
Nominal gripping force [N]			2200	2200
Motor holding brake			Yes	Yes
Safety clamp		Yes		Yes
Minimum gripping force [%]	80	80	80	80
Maximum gripping speed per gripper jaw [mm/s]	10	10	10	10
Maximum positioning speed per gripper jaw [mm/s]	80	80	80	80
Minimum positioning path per jaw [mm]	1	1	1	1
Dead weight of mounted gripper finger max. [kg]	35	35	35	35
Length of the gripper fingers max. [mm]	600	600	600	600
Repetition accuracy +/- [mm]	0.05	0.05	0.05	0.05
Operating temperature [°C]	5 ... +60	5 ... +60	5 ... +60	5 ... +60
Certifications	LABS / REACH / RoHS	LABS / REACH / RoHS	LABS / REACH / RoHS	LABS / REACH / RoHS
Protection to IEC 60529	IP54	IP54	IP54	IP54
Weight [kg]	29	31	32	33

