

# Electric gripper GE

## GE-25-P



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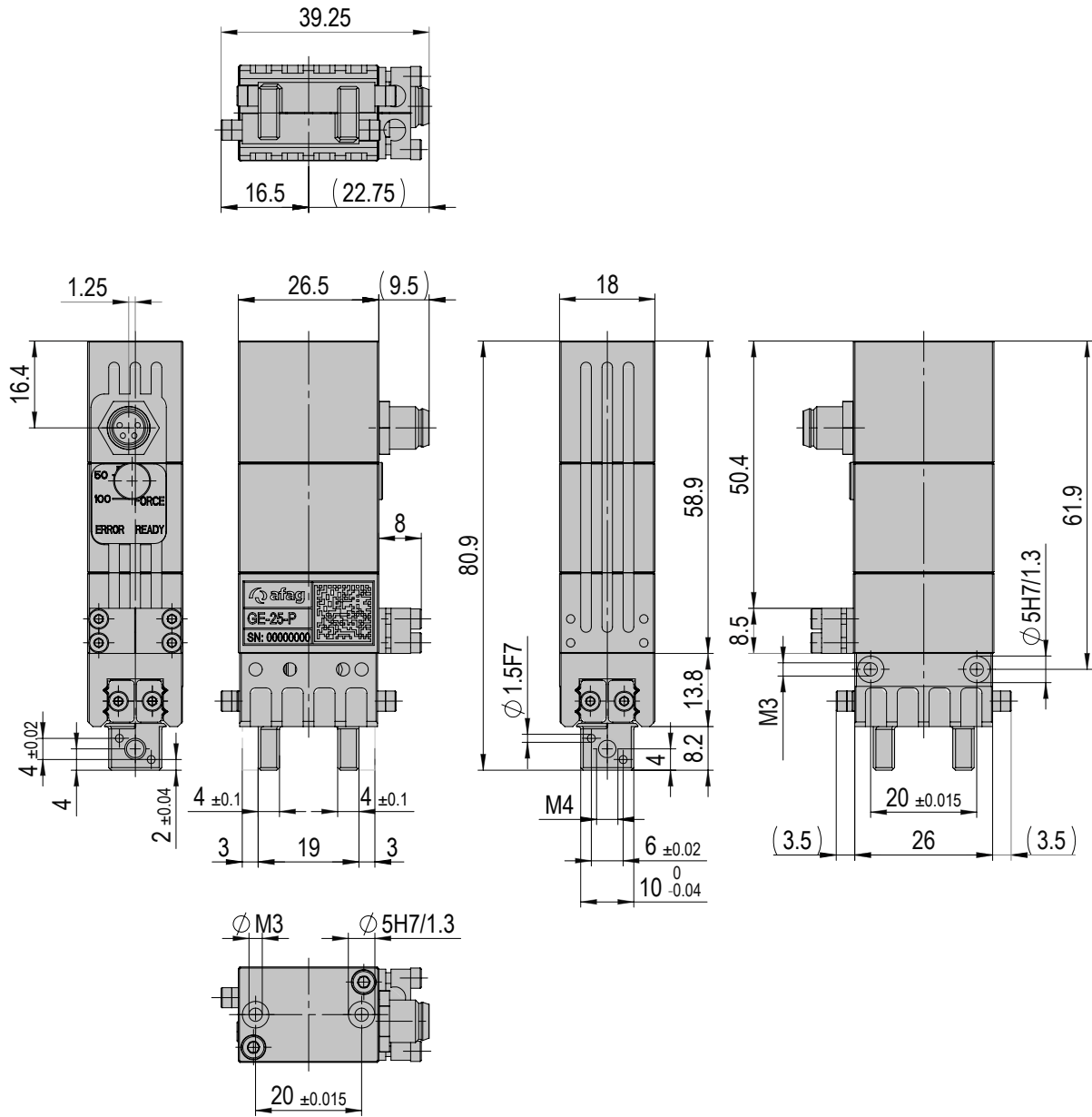
# Electric gripper GE

## GE-25-P



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- Compact design
- Fast reaction/cycle times
- Highest performance density





GE-25-P	
Attachment grid	20 mm
Attachment thread	M3
Operating temperature (min./max.)	5 - 55 °C
Storage temperature	5 - 55 °C
Humidity	< 90 %

Type	GE-25-P
<b>Order number</b>	<b>50538537</b>
Jaw stroke	2 x 3 mm
Net weight	0.11 kg
Recommended workpiece weight	0.2 kg
Gripping force (min./max.) 100%	40 N
Gripping force (min./max.) 50%	20 N
Max. admissible finger length	32 mm
Max. admissible mass per finger	0.02 kg
Closing/opening time	0.09/0.09 sec.
Noise level	< 70 dB(A)
Protection class IP (mechanical)	30
Protection class IP (electrical)	40
Repeat accuracy	+/- 0.02 mm
Supply voltage (min./max.)	21.6 / 26.4 VDC
Rated current	0.14 A
Min. supply current (power supply)*	1.0 A
Max. current input**	1 A
Current input in blocked state***	0.07 / 0.14 A
Controller electronics	integrated
Communication interface	digital inputs
Number of digital I/O	2/-
Mounting position	

\* minimum supply current for reliable operation of product.

\*\* maximum current input in the acceleration phase (max. t = 50 ms).

\*\*\* Current input in blocked state (in gripper end position or while gripping a workpiece) with active command „OpenGripper“ or „Close Gripper“.

Cleanroom class ISO 14644-1, class ISO 5

### Included in the delivery

(Catalogue HT accessories)

- 2x Centering bushing Ø5x2.5
- 2x Special screw M3x23 5/6

### Accessories

(Catalogue HT accessories)

- Sensor-actuator cable-S3
- INI d4x25-Sn1.0-PNP-NC-M8x1
- INI d4x25-Sn1.0-PNP-NO-M8x1

Warranty: 24 months following commissioning, but a maximum of 27 months following delivery

ES20	1	< direct >	1
	3	VP 107	1
	1, 3	VP 151	2
SA-1	1,2	< direct >	1
	1,2	VP 101	2
RE-50	3	VP 107	1
	3	VP 151	2
CS 8	1,3	< direct >	1
	1,3	VP 101	2
CS 12	1,3	VP 107	1
	1,3	VP 151	2
CS 16	1,3	VP 107	1
	1,3	VP 151	2
LM 12	1	VW 305	1
LM 16	1	VW 305	1
CR 12	3	< direct >	1
	3	VP 151	2
CR 16	3	< direct >	1
	3	VP 151	2

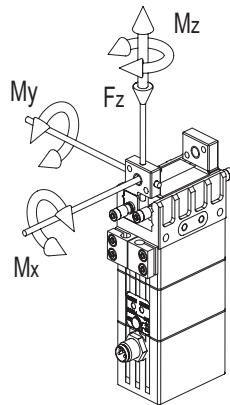
**Mounting areas**

CS, ES 	PS 	LM, LE 	HM 	SA 	OZ 
PMP, PMP-c 	PEZ, PDZ 	PEL, PDL 	CR, RM 32, RE 	RM, RE 	UG, GM, GE, SG, DG, PG, GM RE 

Note that there might be different mounting positions from one module to another one.

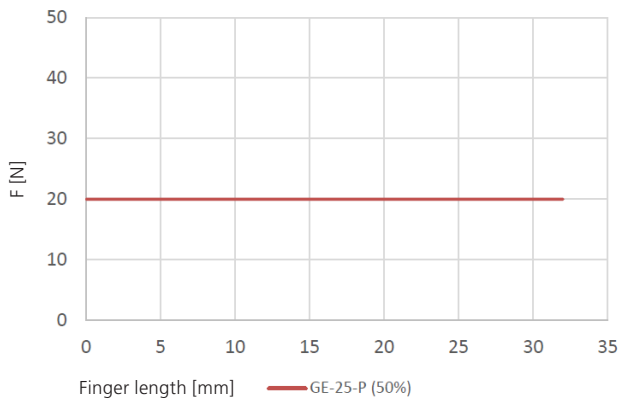
The required connection elements and the range of support columns are depicted in the catalogue HT accessories.

Type	GE-25-P
Max. static torque $M_x$	0.50 Nm
Max. static torque $M_y$	0.42 Nm
Max. static torque $M_z$	1.50 Nm
Max. static force $F_z$	70 N

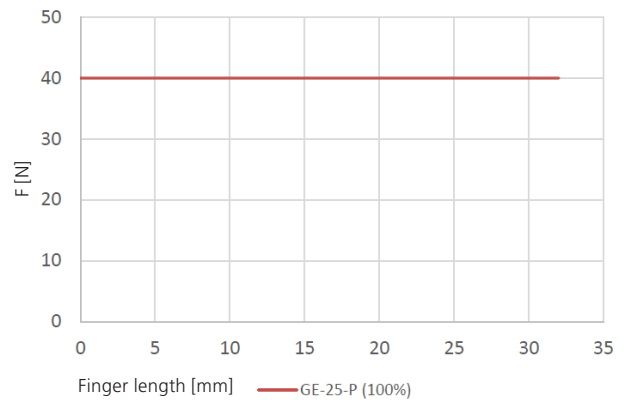


## Gripping force diagrams

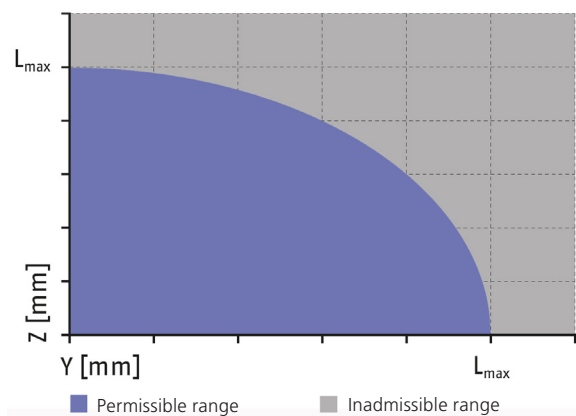
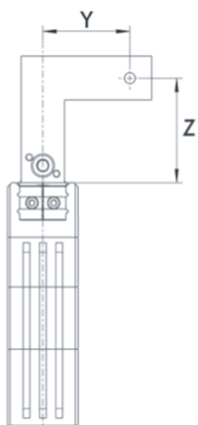
Gripping force diagram (GE-25-P 50%)



Gripping force diagram (GE-25-P 100%)



## Maximum permissible cantilever



$L_{max}$  corresponds to the max. permissible finger length