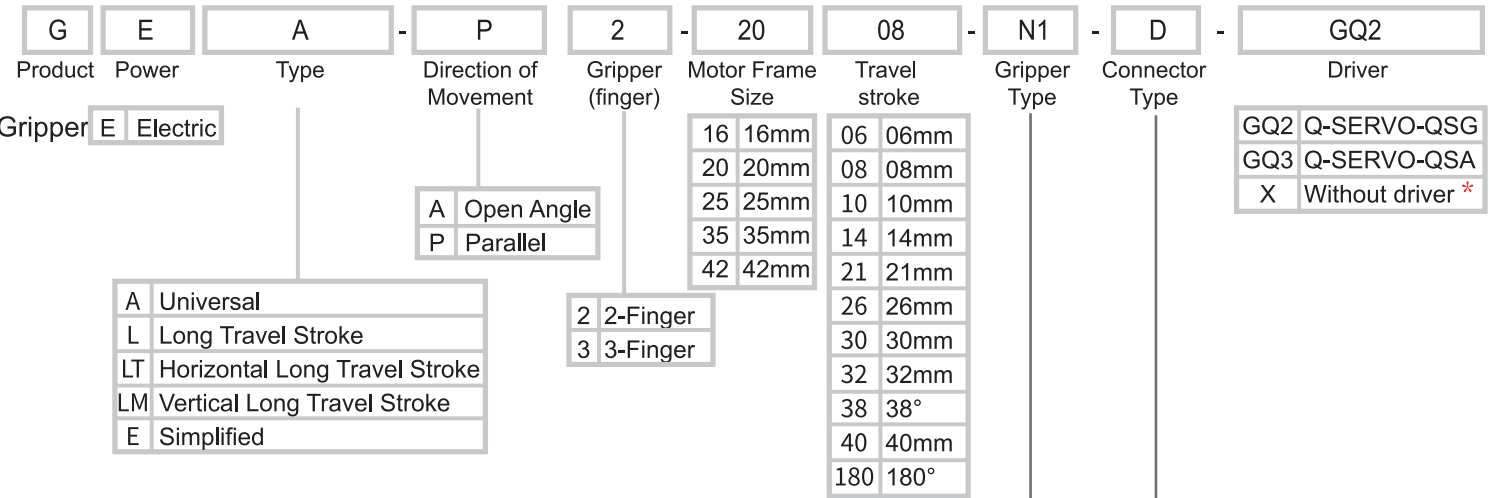
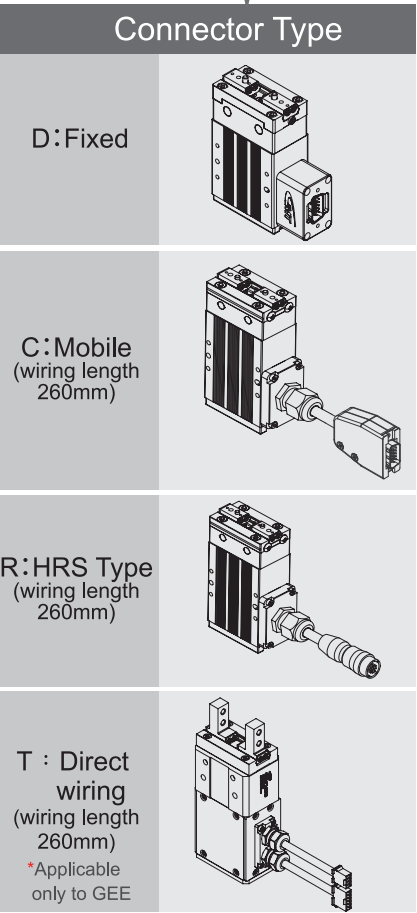
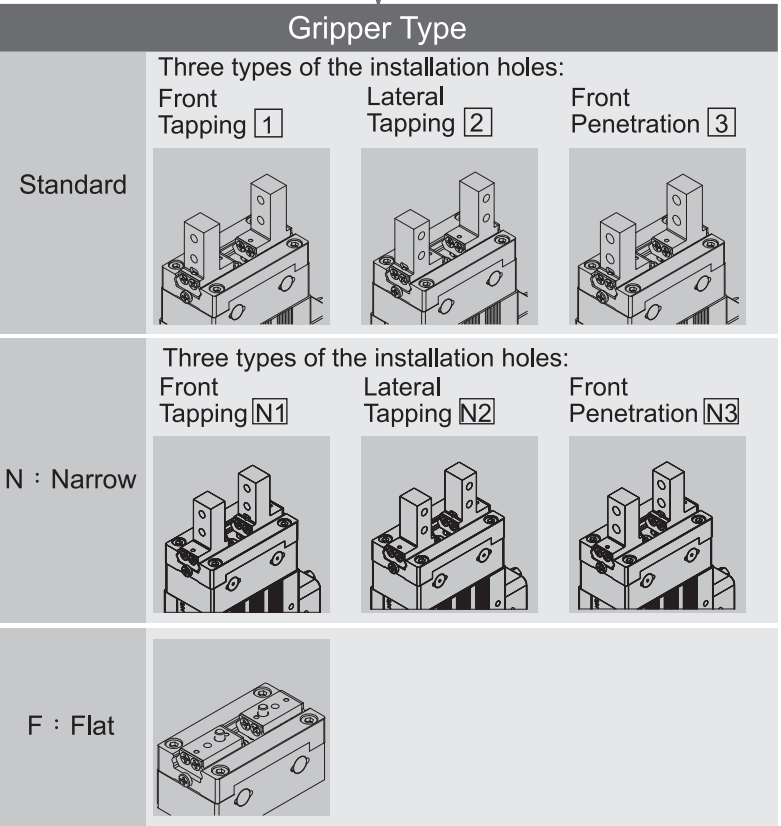


Description



* No driver : The gripper mechanism purchased by the customer is damaged; alternatives can only take place when the mechanism and the driver are of the same specifications.

※ Please refer to Electric Gripper Catalog for the actual selection.

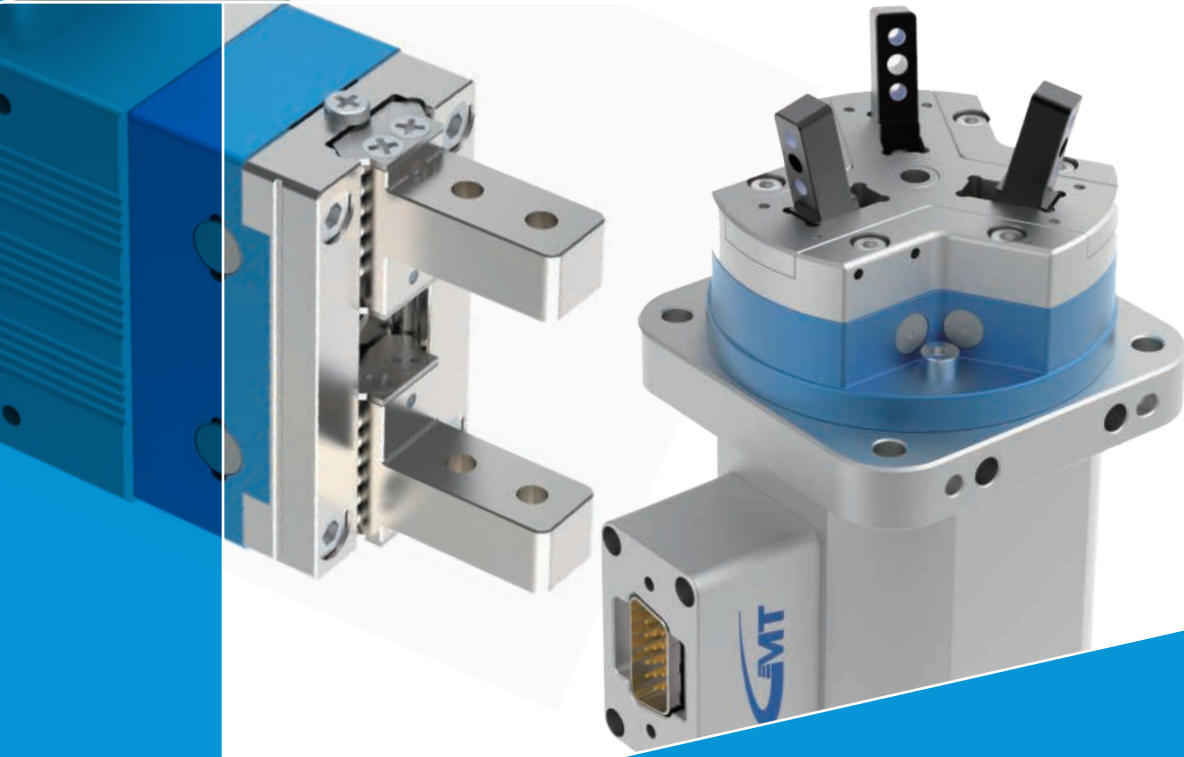


※The following slide blocks are normally in stock :

Standard 1・Narrow N1・Flat F



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ELECTRIC GRIPPERS



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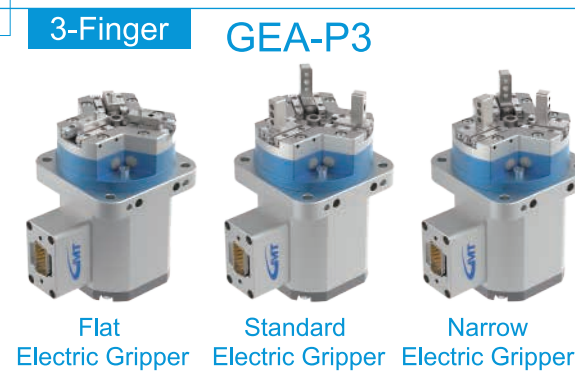
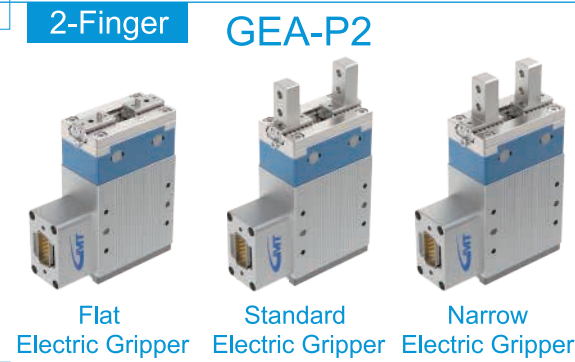
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- ※Notice :
1. The grip force varies with the grip distance, speed and the composition of the gripper.
 2. Please set the torque between 30% and 80%.
 3. The grip speed should set at 5%~20%
 4. The moving speed should set at 5%~80%
 5. When the grip force accuracy is at 20%~40% current value, the float value is ±20%,

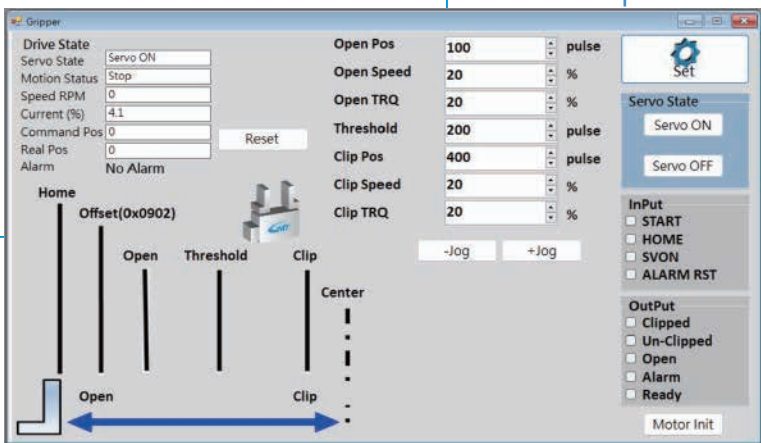
GMT Q-SERVO

Step	Mode	Position	Offset (mm)	Target (mm)	Signal Detect	Range L	Range H	Motor Run	Start Step
0	ORG	0	100	800	1	0	0	0	-1
1	ABS	-6000	30	800	1	0	0	0	-1
2	ABS	-10000	20	800	1	0	0	0	-1
3	ABS	-6000	20	800	1	0	0	1000	4
4	ABS	-45000	20	800	1	0	0	1000	3
5	INC	0	100	500	1	0	0	0	-1
6	INC	0	100	500	1	0	0	500	-1
7	INC	0	100	500	1	0	0	500	-1
8	INC	0	100	500	1	0	0	500	-1
9	INC	0	100	500	1	0	0	500	3
10	ABS	9000	100	500	1	0	0	100	11
11	ABS	10000	100	500	1	0	0	100	12
12	ABS	11000	100	500	1	0	0	100	13
13	ABS	12000	100	500	1	0	0	100	14
14	ABS	13000	100	500	1	0	0	100	15

INC	Rel. Position	+SIG	+Signal Detect	OUT I	CompareOut Immediate
ABS	Abs. Position	-SIG	-Signal Detect	OUT B	CompareOut Bigger
ORG	Homing	SET	Set position	OUT S	CompareOut Smaller
+TSL	+Torque limit detection	CLR	Reset deflection	SET C	Cycles→Position
-TSL	-Torque limit detection			JNZ	Next Step

Parameter setup page

Gripper mode operation page



The closed-loop step-servo system integration demonstrates user-friendly features:

Two driving modes/three control types

Switch immediately between 2 driving modes which are the position control and speed torque control.

External pulse, RS-485 communication control, and external I/O can help achieve the optimum control for customers' application.

High rotational speed, high torque

The new developed algorithm helps make the motor furthest achieve a high rotational speed and a high torque.

Highly reliable system

The optical encoder and non-lost-step step-servo system are adopted.

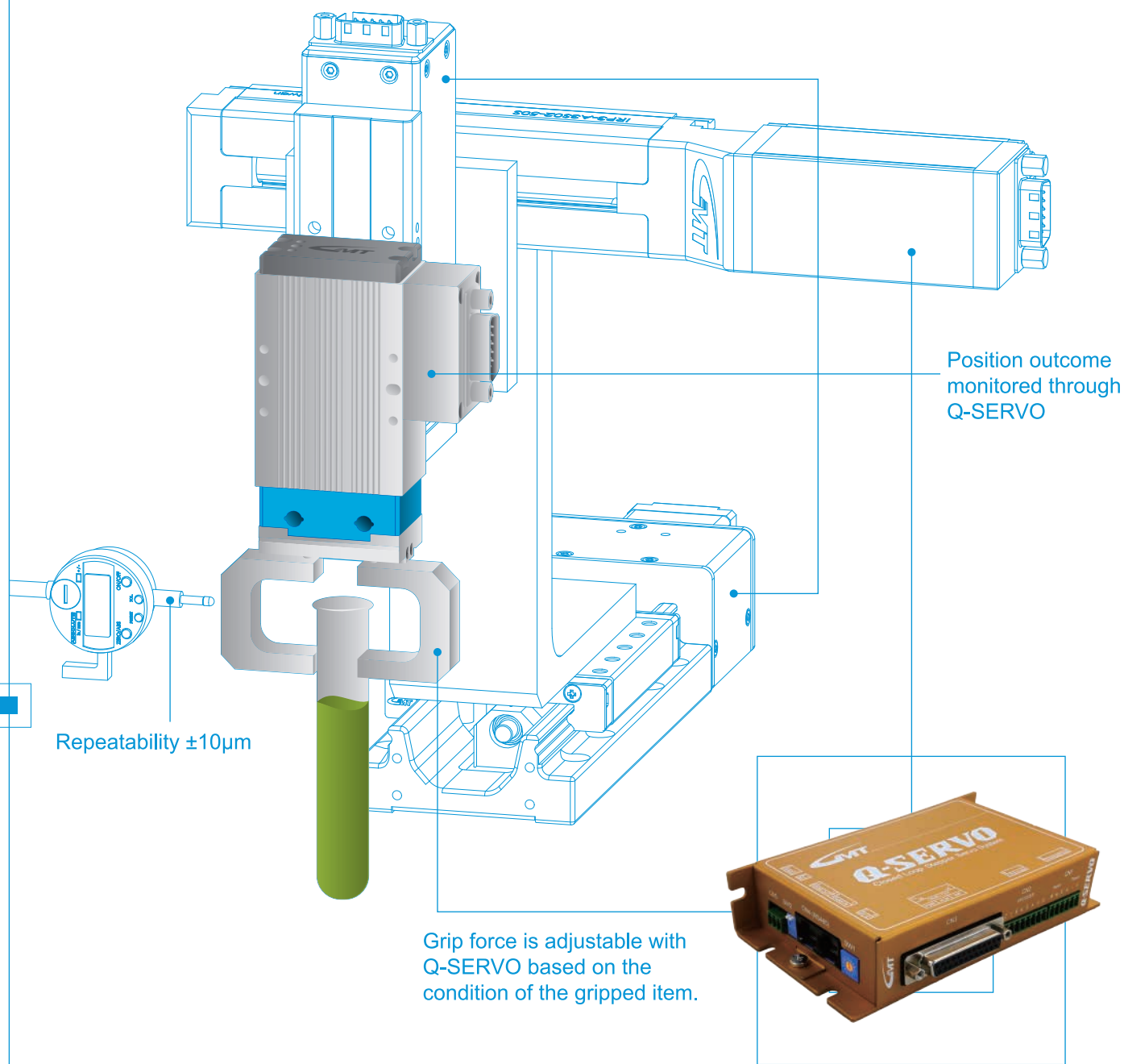
High-accuracy positioning

The optical encoder is with 6400/9600/16000ppr resolution which can achieve high-accuracy positioning.

Low heat generation, energy-saving

Due to the fact that the optimal current is adjusted reflective of the load while control is exercised, high-performing operations are possible.

Application in the biomedical industry



Depending on customers' application, they can set Q-SERVO programmable function which is compatible with GMT Electric Gripper.

Q-SERVO can also be applied to other GMT motorized products. For detailed information about the products, please contact our local sales representative.

Model No.	Single-finger travel stroke (mm)	Deceleration ratio	Driving element	Guide rail	Weight (kg)	Minimum grip force(N)	Maximum grip force (N)	One-way backlash (mm)	Repeatability Accuracy	Compatible motor	Compatible driver
2-Finger Standard & Narrow / Flat Series											
GEA-P2-2008	4	26	Worm+ Gear+ Rack	Linear ball	0.23	13	39	0.1	±0.01mm	☐ 20 2-phase stepper motor	Q-SERVO (*24V power input is an available option)
GEA-P2-2510	5	28			0.35	28	78	0.1		☐ 25 2-phase stepper motor	
GEA-P2-3521	10.5	26			0.98	38	139	0.2		☐ 35 2-phase stepper motor	
GEA-P2-4230	15	21			1.51	60	175	0.2		☐ 42 2-phase stepper motor	
2-Finger Open Angle Series											
GEA-A2-20180	90°	26	Worm+ Gear+	—	0.2	6	18.5	1	±0.1°	☐ 20 2-phase stepper motor	Q-SERVO (*24V power input is an available option)
GEA-A2-25180	90°	28			0.5	13	38	1		☐ 25 2-phase stepper motor	
GEA-A2-35180	90°	26			1	14	63.5	1.5		☐ 35 2-phase stepper motor	
GEA-A2-42180	90°	21			1.4	18	70	1.5		☐ 42 2-phase stepper motor	
2-Finger Long Travel Stroke Series											
GEL-P2-2010-F	5	1	Ball screw	Cross roller	0.35	20	52	-	±0.01mm	☐ 20 2-phase stepper motor	Q-SERVO (*24V power input is an available option)
GEL-P2-2514-F	7	1			0.5	36	80	-		☐ 25 2-phase stepper motor	
GEL-P2-3532-F	16	2			1.1	38	110	-		☐ 35 2-phase stepper motor	
GEL-P2-4240-F	20	2			1.5	45	140	-		☐ 42 2-phase stepper motor	
2-Finger Horizontal Long Travel Stroke Series											
GELT-P2-2530-F	15	1	Ball screw+ Timing belt pulley	Linear ball guiding	0.6	40	145	0.2	±0.01mm	☐ 25 2-phase stepper motor	Q-SERVO (*24V power input is an available option)
GELT-P2-2540-F	20	1			0.9	40	145	0.2		☐ 25 2-phase stepper motor	
2-Finger Vertical Long Travel Stroke Series											
GELM-P2-2526-F	15	1	Ball screw+ Timing belt pulley	Circular linear ball guiding	0.75	36	131	0.2	±0.01mm	☐ 25 2-phase stepper motor	Q-SERVO (*24V power input is an available option)
GELM-P2-2526-F	20	1			1	36	131	0.2		☐ 25 2-phase stepper motor	
2-Finger Simplified Series											
GEE-P2-2010	5	2	Ball screw	Linear ball guiding	0.48	18	72	0.3	±0.01mm	☐ 28 2-phase stepper motor	Q-SERVO (*24V power input is an available option)
GEE-P2-2514	7	2			0.56	15	60	0.3		☐ 28 2-phase stepper motor	
3-Finger Standard & Narrow / Flat Series											
GEA-P3-2510	5	28	Worm+ Gear+ Rack	Cross roller guide rail	0.6	42	107	0.20	±0.01mm	☐ 25 2-phase stepper motor	Q-SERVO (*24V power input is an available option)
GEA-P3-4214	7	21			1.2	49	193	0.30		☐ 42 2-phase stepper motor	
3-Finger Open Angle Series											
GEA-A3-2538	19°	28	Worm+ Gear+	Cross roller guide rail	0.6	24	46	0.20	±0.1°	☐ 25 2-phase stepper motor	Q-SERVO (*24V power input is an available option)
GEA-A3-4238	19°	21			1.1	55	164	0.30		☐ 42 2-phase stepper motor	