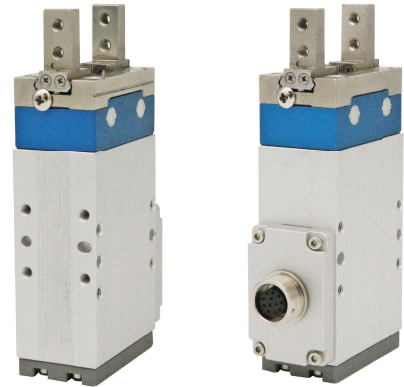


JEGG

- 콤팩트, 다양한 스트로크의 구성
Compact, variable stroke
- 리니어 가이드 (무순환)를 사용한 고정밀 평행 개폐방식
Parallel open and close by linear guide
- 기구적 Self-lock기능 (전원차단시 낙하 방지, 수동 동작에 의한 워크 이탈)
Mechanical self-lock function. (prevent that falling a work piece when power failure, possible to take out a work piece by manually)
- Motor driver module 외부 장착
Motor driver module on outside.
- RS-485 통신커넥터 장착(GUI communication connector)
RS-485 : GUI communication connector
- 그리퍼 작동완료 신호확인 LED장착
LED : check the operation of gripper



Windows기반의 태블릿PC와 노트북을 활용한 쉬운 티칭

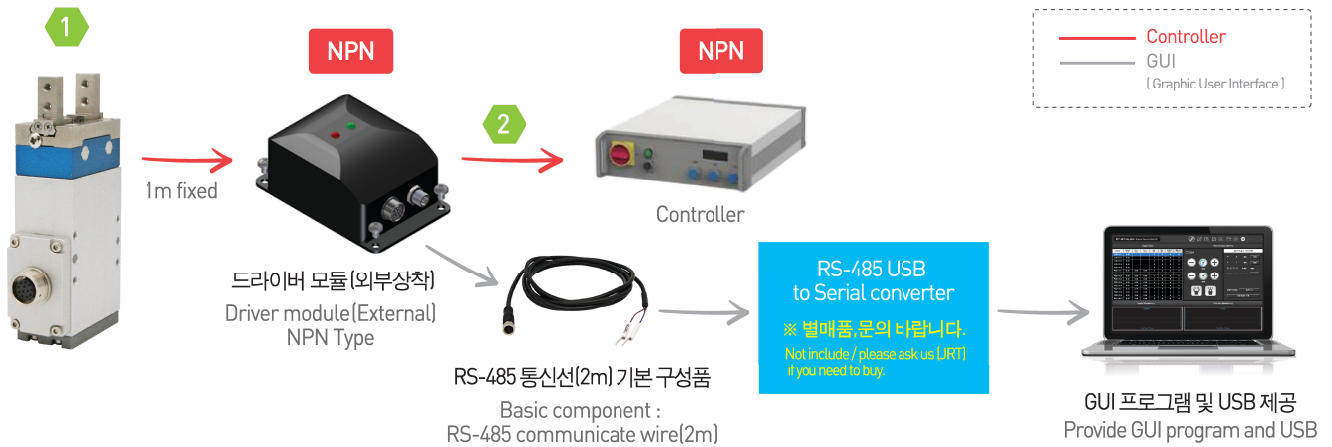
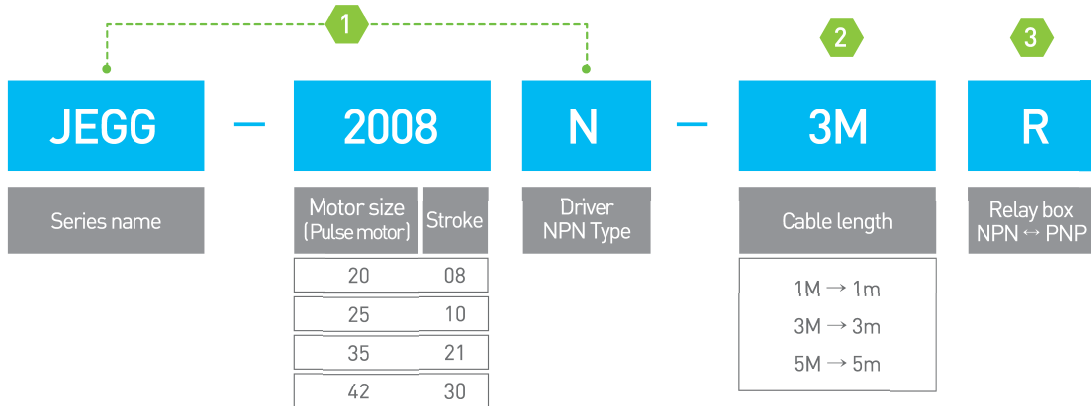
노트북 또는 태블릿에 직관적인 GUI를 적용한 쉽고 빠른 설정
그리퍼의 설정 상태 simulation 가능

Easy teaching

Utilize tablet PC (Windows-based) and laptop.

Quick and easy setup by applying an intuitive GUI to your laptop or tablet
Possible to simulate for setting state of gripper

Ordering Code



Driver Module



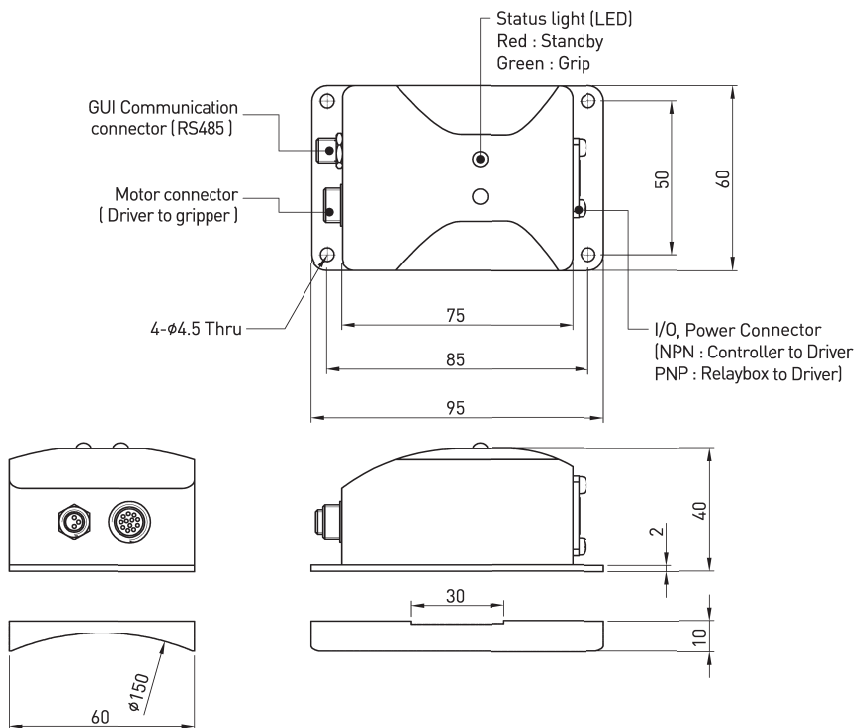
모듈 고정방식 Module Fixing Way

| 수평면 | Horizontal Surface

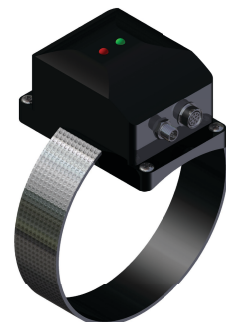
드라이버 모듈의 취부를 이용하여 고정한다. (DIM 참조)
Using mounting position on driver module (refer the dimension)

| 원형면 | Circular Surface

1. 밴드를 고정용 커버와 함께 드라이버 모듈에 조립한다.
1. Assemble band with fixing cover on driver module
2. 밴드를 이용해 원형면에 고정한다.
2. Fixing on circular surface using band

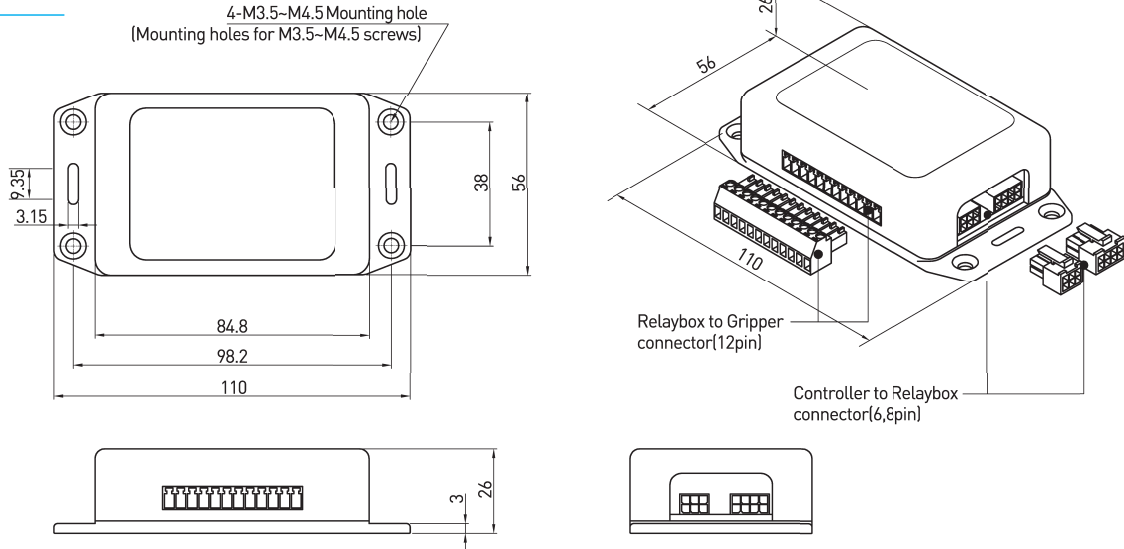


(수평면 고정시)
When fixing on horizontal surface



(원형면 고정시)
When fixing on circular surface

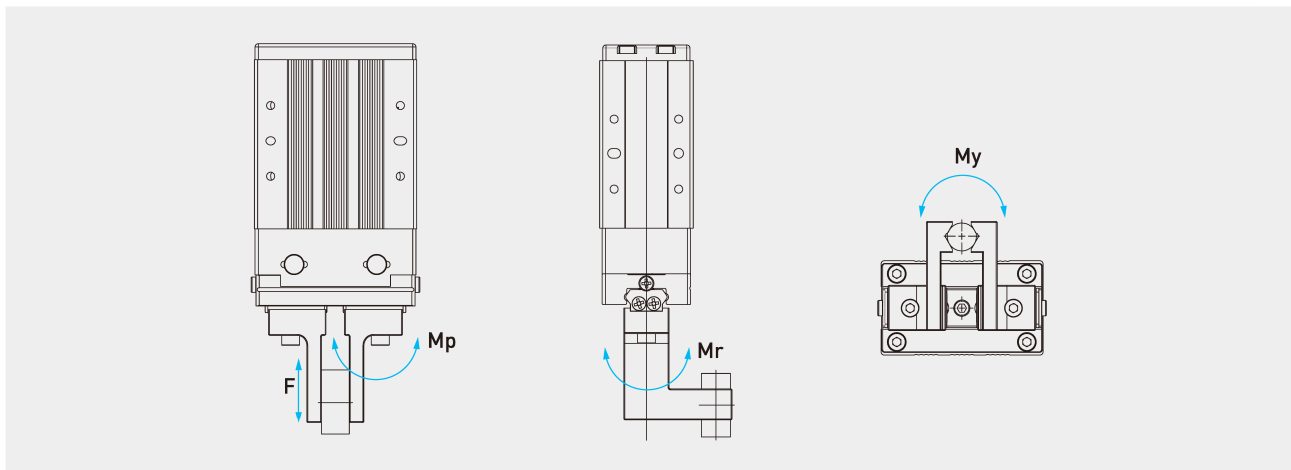
Relay Box



Forces and Moments

파지력에 추가로 작용할 수 있는 정적 힘과 모멘트를 표시합니다.

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



Model	수직방향 허용 하중 F (N) Permissible vertical load	정태 허용 토크 (N·m) Static allowable torque		
		Pitching torque (Mp)	Bias torque (My)	Rolling torque (Mr)
JEGG-2008N	54	0.4	0.4	1.3
JEGG-2510N	320	1.7	2.4	4.1
JEGG-3521N	502	3.4	4.9	8.5
JEGG-4230N	585	4.5	6.4	11.1

※ 상기 표의 허용 하중은 정태 허용치
the allowable load on the above table is the static allowable value.

Specification

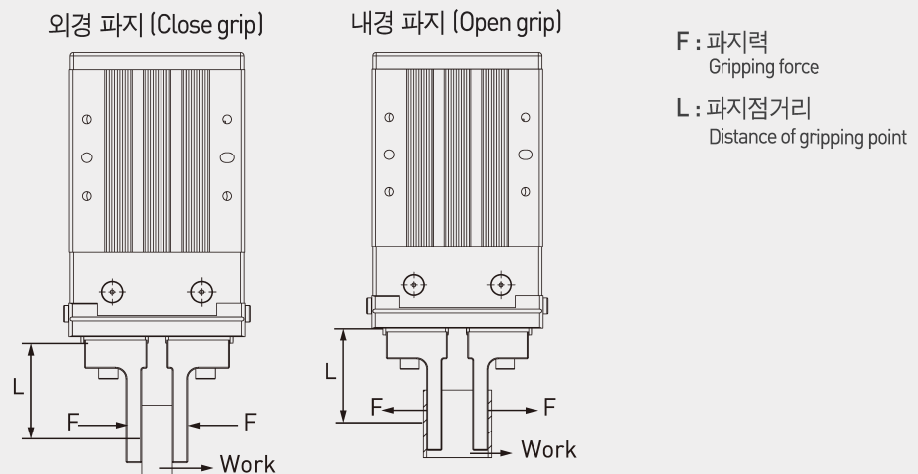
Size		JEGG-2008N	JEGG-2510N	JEGG-3521N	JEGG-4230N
기계 사양 Actuator specifications	개폐 스트로크/양측 [mm] Open and close stroke/both sides [mm]	8	10	21	30
	파지력 [N] Gripping force [N]	14	75	130	200
	감속비 Reduction gear ratio	26	28	26	21
	최대 개폐 속도 [mm/s] Max. speed (open and close)	65	87	117	183
	구동 방식 Drive method	웜 + 기어 + 기어랙 Worm + Gear + Gear rack			
	핑거 가이드 방식 Finger guide type	리니어 볼 Linear ball			
	반복 정도 [mm] Repeat accuracy	±0.01			
	최고 동작 주파수 [C.P.M] Max. operating frequency [C.P.M]	60			
	사용 온도 범위 [°C] Operating temperature range [°C]	-10 ~ 50			
	사용 습도 범위 [%RH] Operating humidity range [%RH]	90 이하 (결로 없어야 함) 90 or less (No condensation)			
본체 무게 [Kg] Weight [Kg]	0.23	0.37	1.06	1.64	
전기 사양 Electric specifications	모터 사이즈 Motor size	□20	□25	□35	□42
	모터 종류 Motor type	스텝 모터 (서보형 DC24V) Step motor (Servo/24 VDC)			
	엔코더 Encoder	INCREMENTAL Line Drive Type			
		Pulse : 1,600 CPR (X4)	Pulse : 2,400 CPR (X4)	Pulse : 3,200 CPR (X4)	Pulse : 4,000 CPR (X4)
	정격 전압 [V] Rated voltage [V]	DC24 ±10%			
	입력 전류 [A] Input current [A]	Max 0.6	Max 1.0	Max 1.5	Max 2.0
	Digital I/O	Input : 5 Output: 3			
통신 프로토콜 Communication protocol	RS-485 (반이중) GUI 전용 RS-485 (Half-Duplex) GUI only				

Gripping Force Diagram

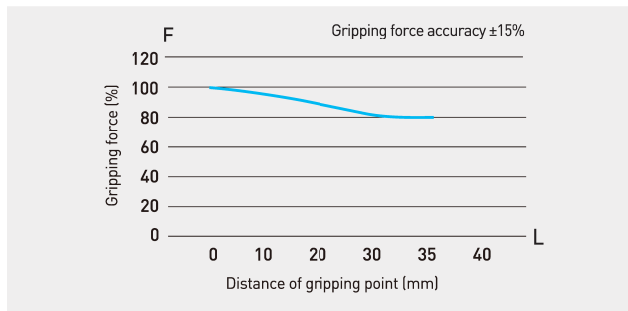
※ 주의사항 | Precautions

1. 파지력(F)은 2개의 조 및 조 지그가 파지하는 상태에서, 그중 하나의 파지력을 가르킨다.
The gripping force refers to the gripping force of one of the two jaws and the jaw jig holding the workpiece.
2. 파지 포인트 거리(L)는 아래의 도면 범위 내용에 따라 사용.
The workpiece gripping point distance is used according to the following drawing range.

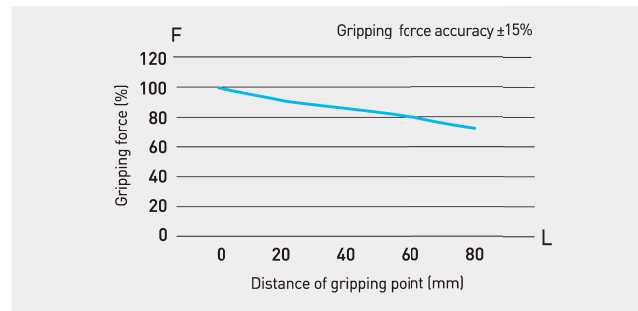
파지 상태 예시도 Expected gripping state



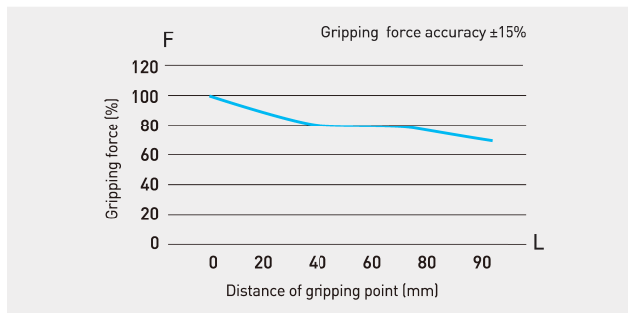
JEGG-2008N Gripping point and gripping force



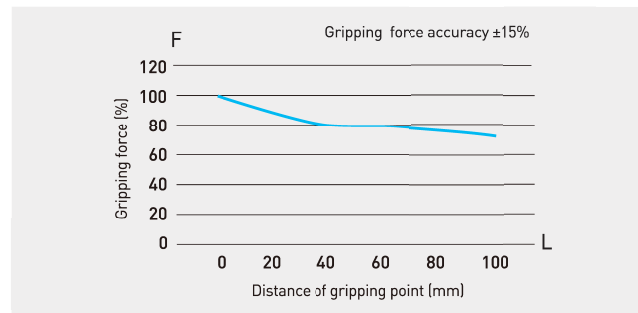
JEGG-2510N Gripping point and gripping force



JEGG-3521N Gripping point and gripping force



JEGG-4230N Gripping point and gripping force



※ 상기값은 사용 조건에 따라 변경됨. 예)그리퍼 지그 재질, 모양 등
The above values changes according to the using conditions. Ex) Material & shape of gripper jig and etc.

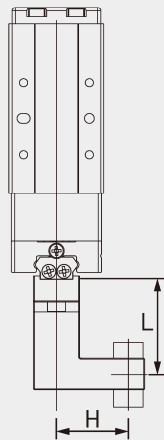
Gripping Point Distance and Distance of Open & Close

※ 주의사항 | Precautions

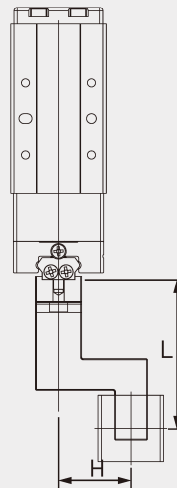
1. 공작물의 파지점 거리와 개폐 거리는 아래의 도면 범위에 따라 사용하십시오.
Use the gripping point distance and opening/closing distance of the workpiece according to the drawing range below.
2. 한도 범위를 초과할 경우, 내부 구조에 영향을 줄 수 있으며, 전동 그리퍼의 사용 수명이 감소될 수 있습니다.
Exceeding the limit may affect the internal structure and reduce the durability of the electric gripper.

파지 상태 예시도 Expected gripping state

외경 파지 (Close grip)



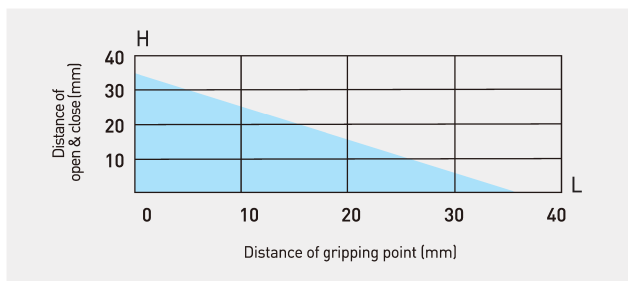
내경 파지 (Open grip)



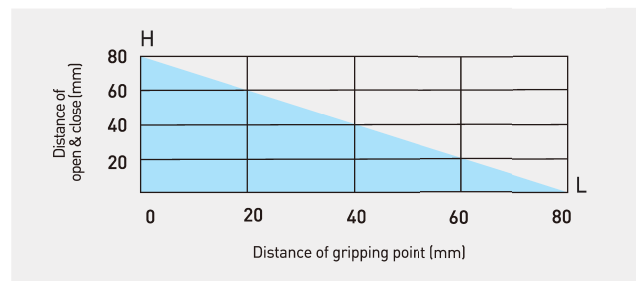
H : 개폐 거리
Distance of open & close

L : 파지점 거리
Distance of gripping point

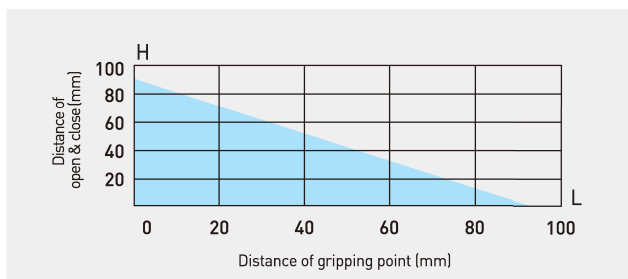
JEGG-2008N
Gripping point distance and distance of open & close



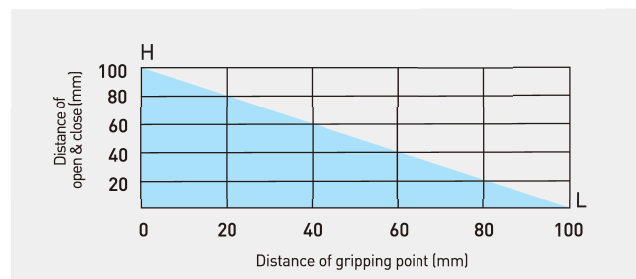
JEGG-2510N
Gripping point distance and distance of open & close



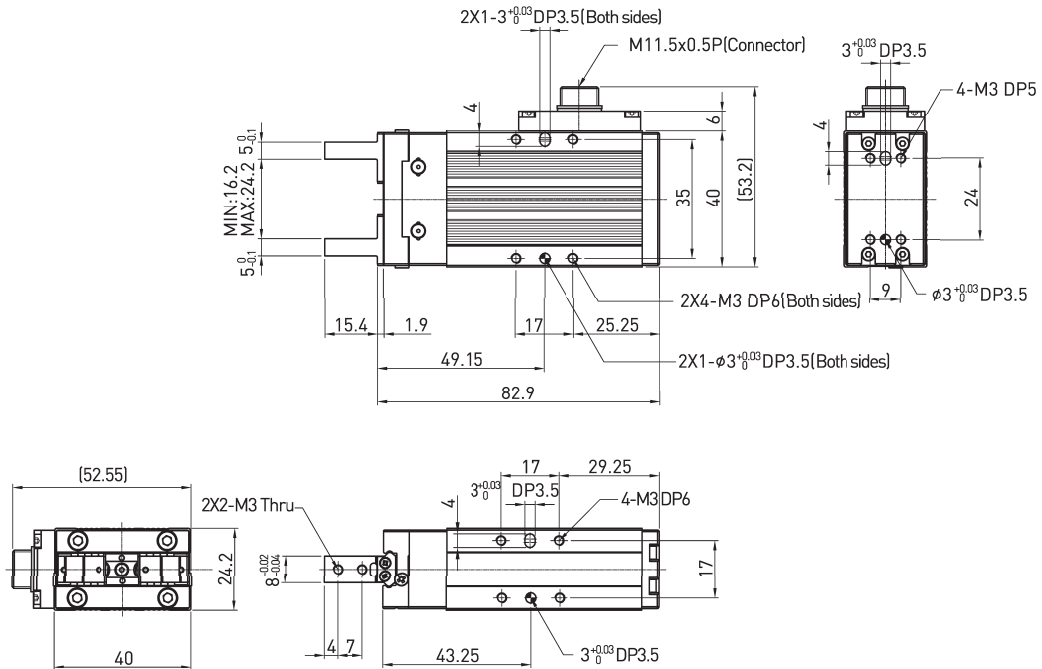
JEGG-3521N
Gripping point distance and distance of open & close



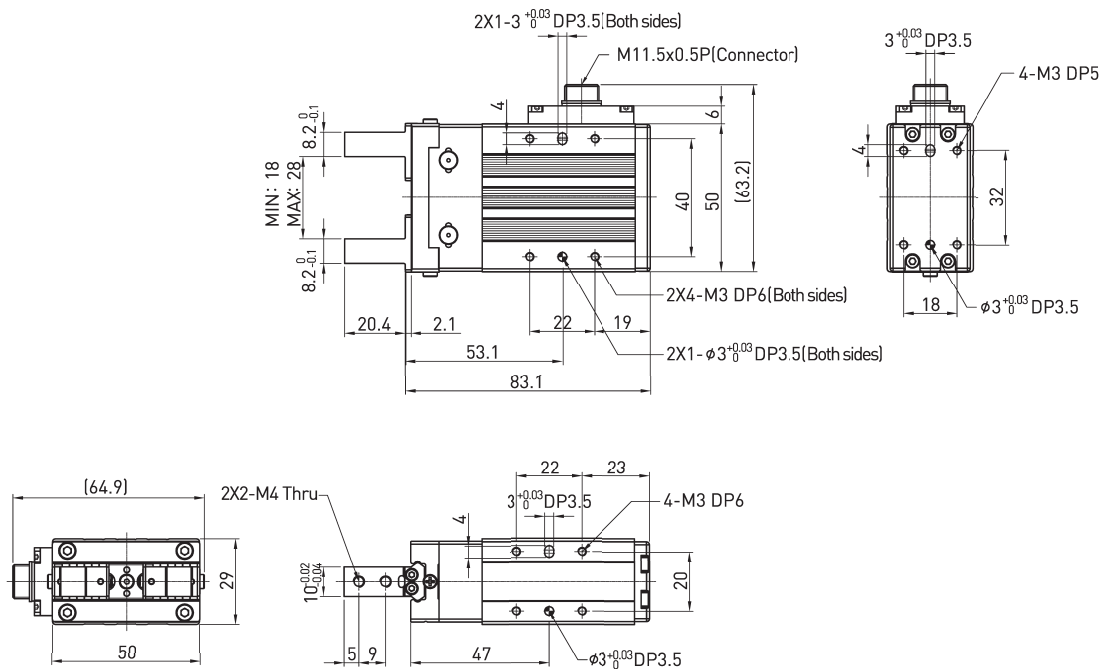
JEGG-4230N
Gripping point distance and distance of open & close



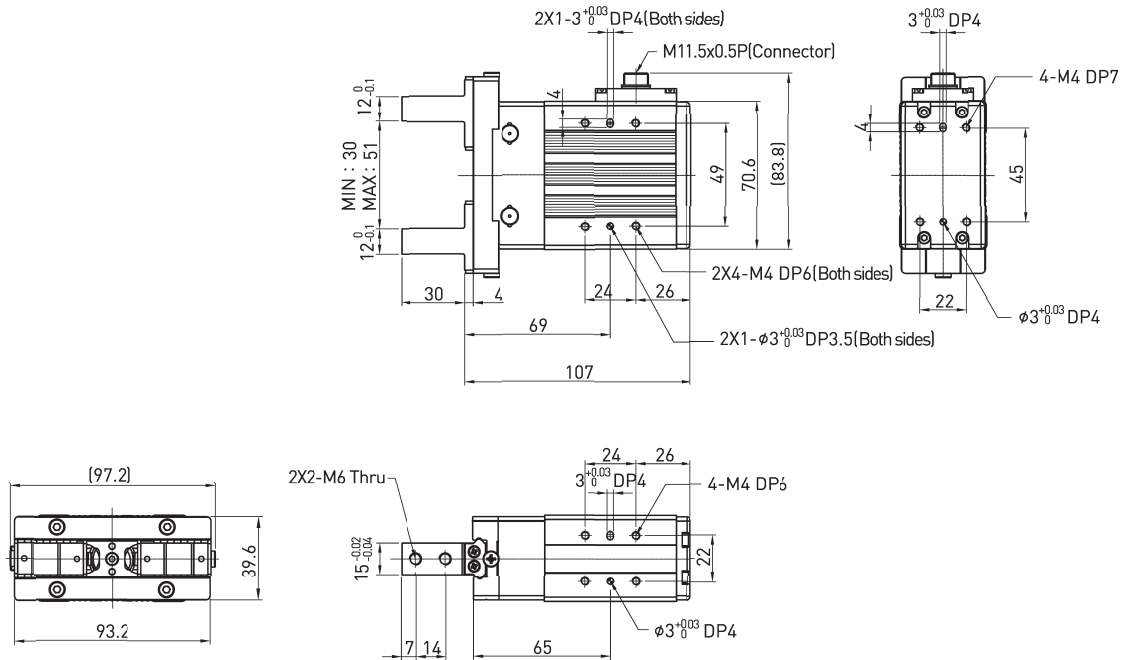
JEGG-2008N



JEGG-2510N



JEGG-3521N



JEGG-4230N

