

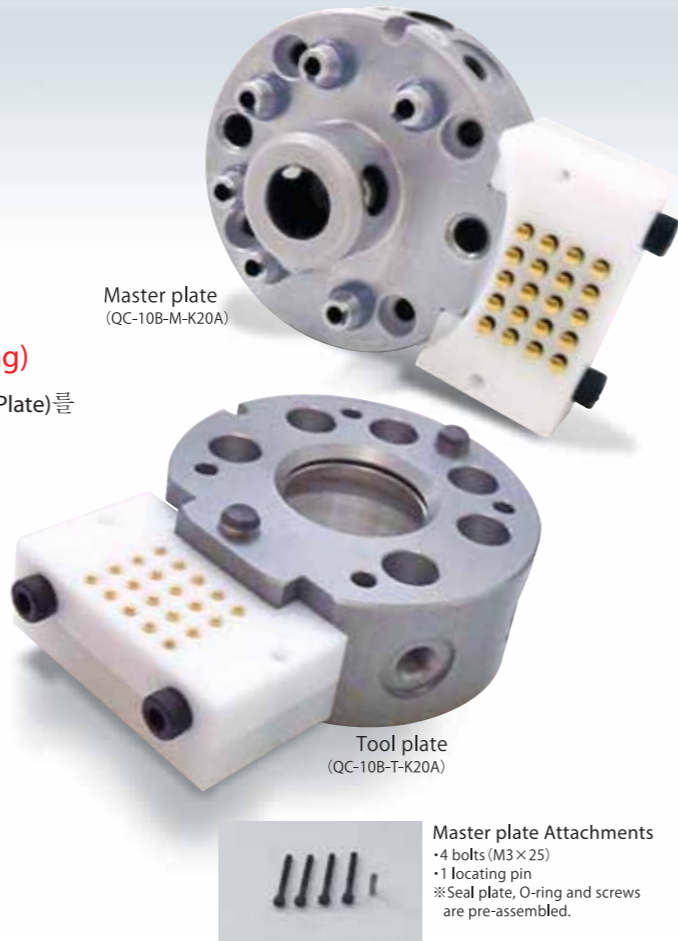
QC-10B

접촉하지 않고 끌어 올리는 방식(lock without touching)

작동작시에 있어서 마스터플레이트(Master Plate)와 툴 플레이트(Tool Plate)를 접촉하지 않고 끌어 올리는 방식으로 위치 오차를 흡수

탁월한 기계적 결합 안전장치(분리낙하방지) 메커니즘(fail-safe locking mechanism)

BL사의 특별한 착/탈 메커니즘을 에어 압력 공급이 중단되어도 마스터플레이트(Master Plate)와 툴 플레이트(Tool Plate)가 분리되지 않는 기계식 안전장치(낙하방지 기능)을 가지고 있습니다.



Master plate (QC-10B-M-K20A)

Tool plate (QC-10B-T-K20A)

Master plate Attachments
 • 4 bolts (M3×25)
 • 1 locating pin
 ※ Seal plate, O-ring and screws are pre-assembled.

주요사양 (Specifications)

본체 (Main Body)		
가한중량(정격부하)	98N (10kg)	
위치 재현 정도	±0.01mm	
동작허용 모멘트	Bending direction (Tx, Ty)	49N·m (500kgf·cm)
	Twisting direction (Tz)	68.6N·m (700kgf·cm)
체결력 (공기압 0.49 MPa시)※1	970.8N (99kgf)	
재질	Master plate	스테인레스 강
	Tool plate	알루미늄 합금 (착탈 기구부 스테인레스 동일)
외형 치수 (체결 시)	φ50×H38.5mm	
제품중량 (본체부)	Master plate	245g
	Tool plate	85g
탈착 메커니즘	Ball-locking mechanism	
탈착 작동압력	0.39~0.68MPa (4~7kgf/cm²)	
허용온도·습도범위	0~50℃, 35~90% (결로없음)	
유틸리티	공기압포트 M5×6	

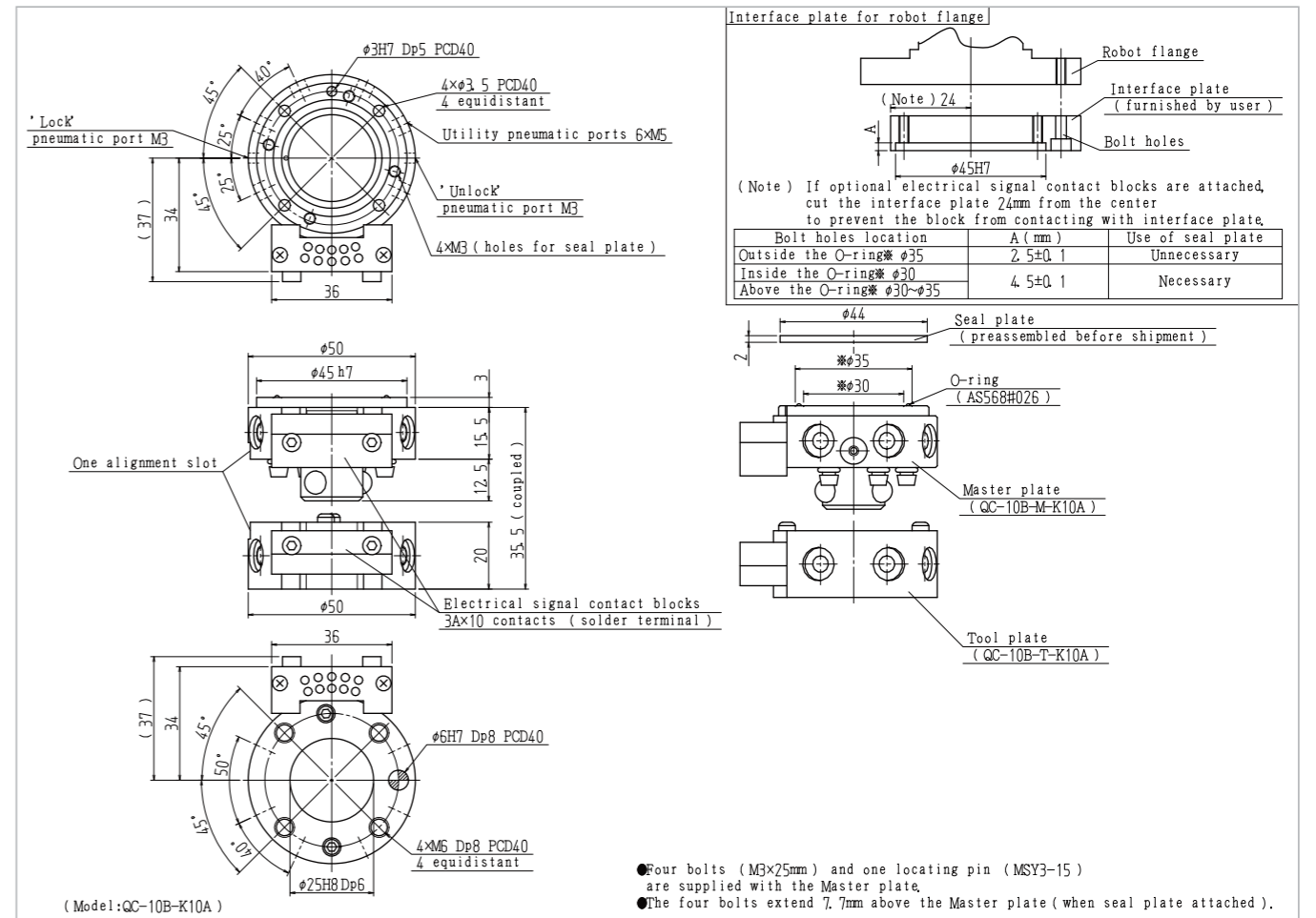
옵션 (Options)			
Utilities	K10A	전기신호	3A×10 (납땜단자)
	K20A	Max3A DC50V	3A×20 (납땜단자)
	K10L	Probe contact	3A×10 (리드선 1m)
	K20L		3A×20 (리드선 1m)

모델 표시 방법 (QC-10B Ordering Information)

Master plate	QC-10B	-M-	(Option)	□□□□
Tool plate	QC-10B	-T-	(Option)	□□□□

XXXX	전기신호 없음
K10A	전기신호 3A×10 (납땜단자)
K20A	전기신호 3A×20 (납땜단자)
K10L	전기신호 3A×10 (리드선 1m)
K20L	전기신호 3A×20 (리드선 1m)

외형 치수도 (Main Body Dimensions)



옵션 (Options)

■ 전기신호 접점블럭 (Contact block)



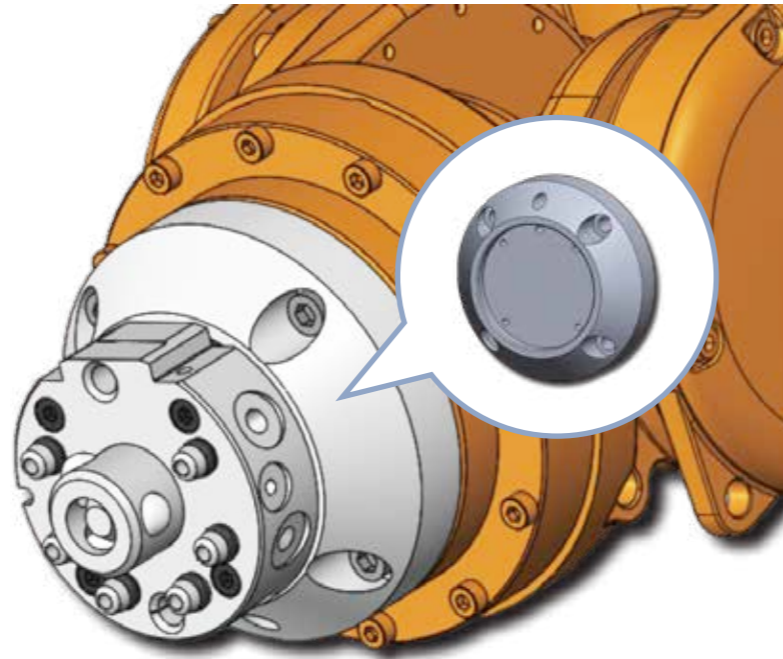
K10A	K20A	K10L	K20L
3A×10핀 납땜 단자 (solder terminal)	3A×20핀 납땜 단자 (solder terminal)	3A×10핀 1m 리드선 (with 1m lead wires)	3A×20핀 1m 리드선 (with 1m lead wires)

상세한 각종 옵션에 대해서는 당사에 문의를 하여 주십시오.

※1 결합력은 명시된 반복 정밀도를 달성하는 힘입니다. 분리를 하기 위한 작동 예어를 공급하거나 충돌로 인하여 기구물이 손상되지 않는 한 Quick Changer의 결합이 유지됩니다.

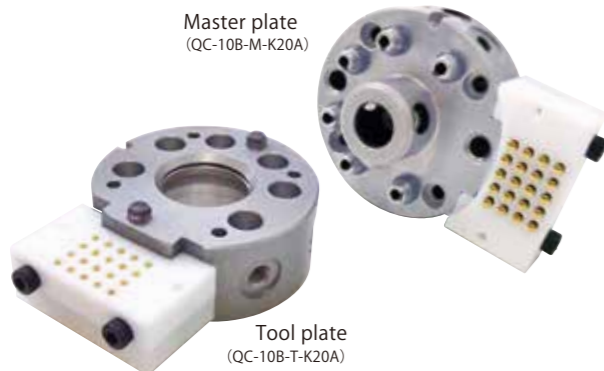
NEW!

Robot Interface Plate for QC-10B



Easy to install!

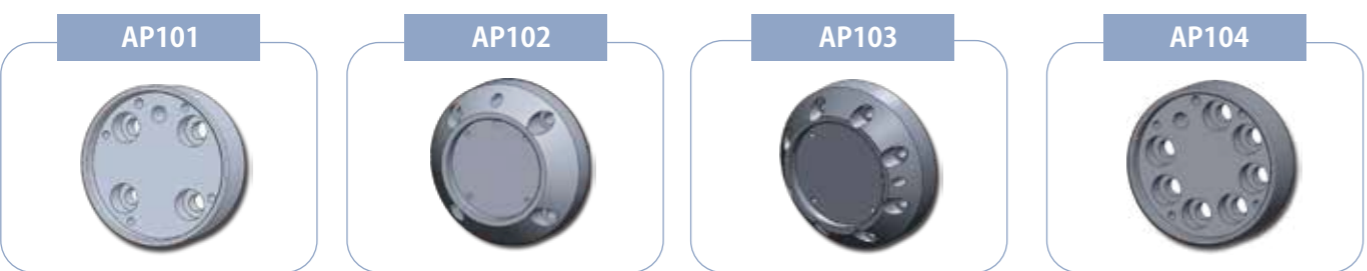
Useful for simple design!



QC-10B Main body Specifications

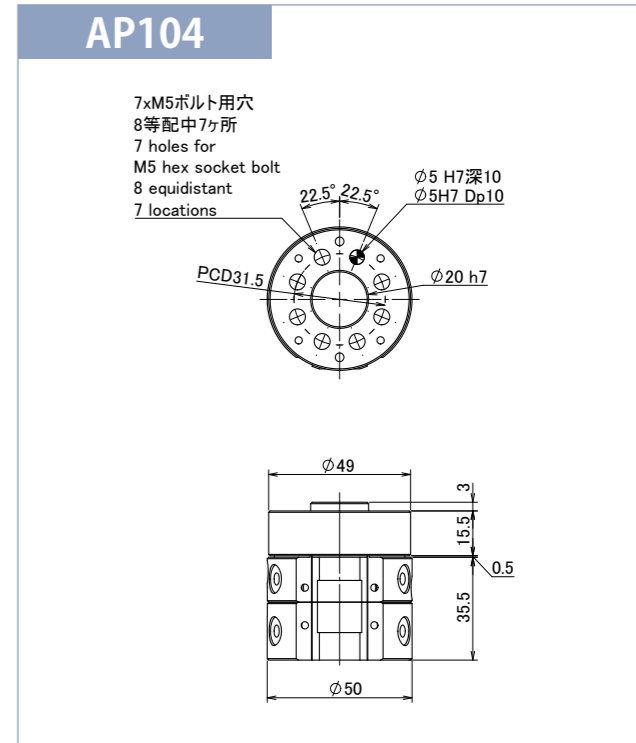
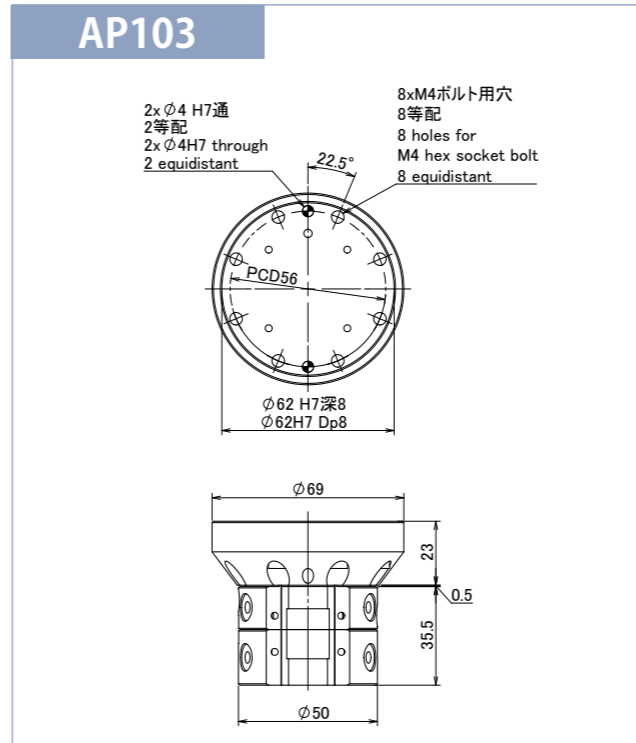
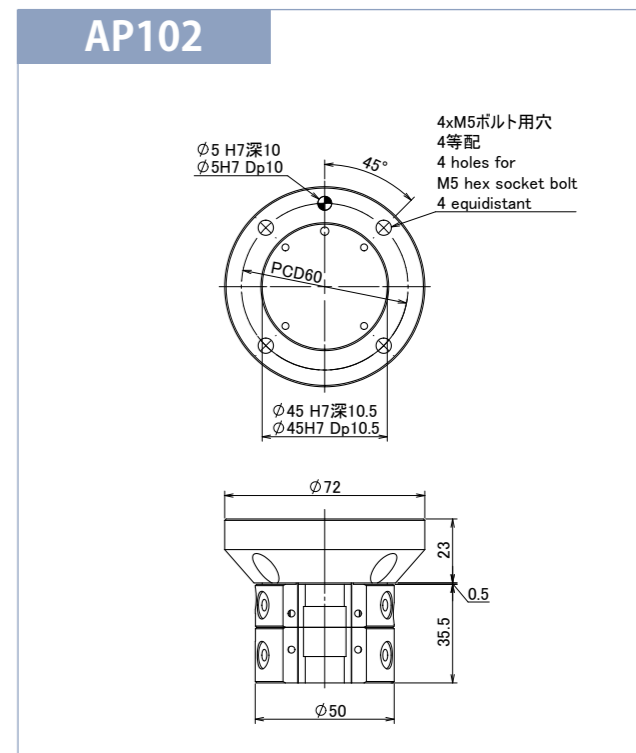
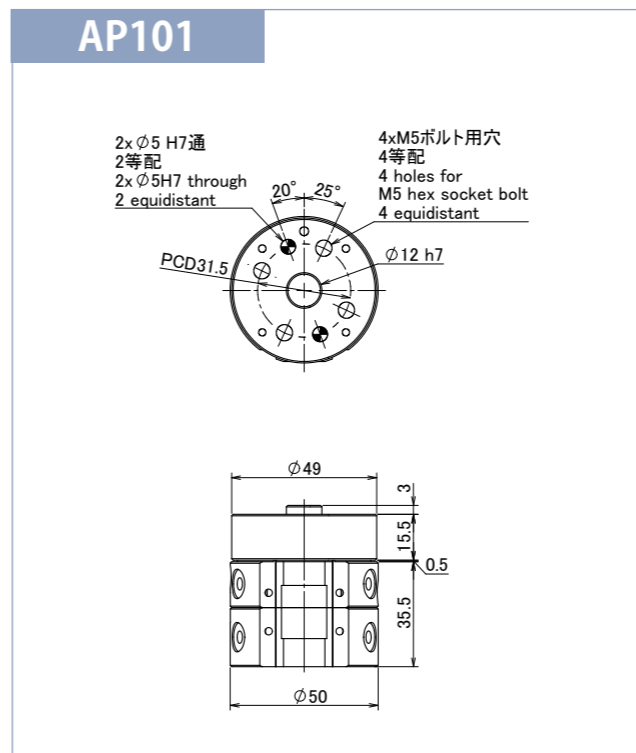
Load capacity (rated load)	98N (10kg)	
Positional repeatability #1	±0.01mm	
Allowable dynamic moment	Bending direction (Tx, Ty)	49N·m (500kgf·cm)
	Twisting direction (Tz)	68.6N·m (700kgf·cm)
Coupling force (with air pressure of 0.49MPa) #2	970.8N (99kgf)	
Materials	Master plate	Stainless steel
	Tool plate	Aluminum alloy (The lock/unlock mechanism is stainless steel.)
Overall dimension (when coupled)	φ50×H38.5mm	
Weight (Main body)	Master plate	245g
	Tool plate	85g
Self-separating mechanism	Ball-locking mechanism	
Required air pressure	0.39~0.68MPa (4~7kgf/cm ²)	
Allowable temperature and humidity ranges	0~50°C, 35~90% (Non-condensing)	
Utilities	Pneumatic ports	M5×6

Line up



Robot Interface Plate Specifications

Type	AP101	AP102	AP103	AP104
PCD	31.5	60	56	31.5
Bolt size	M5	M5	M4	M5
Hole for locating pin	2×φ5H7	φ5H7	2×φ4H7	φ5H7
Boss size	φ12h7	φ45H7	φ62H7	φ20h7
Boss Height or Depth	Height 3mm	Depth 10.5mm	Depth 8mm	Height 3mm
Accessories (Bolts and pin)	M5×10 (4 pcs) MSY5-15 (1 pc)	M5×15 (4 pcs) MSY5-15 (1 pc)	M5×10 (4 pcs) MSY4-15 (1 pc)	M5×10 (7 pcs) MSY5-15 (1 pc)
Weight (Including bolts and pins)	71g	68g	130g	79g (Bolts 7pcs) 68g (Bolts 7pcs)



※On installing AP101,102, and 103: on robots and AP104 on master plate, all 4 plates are invertible by 180°