

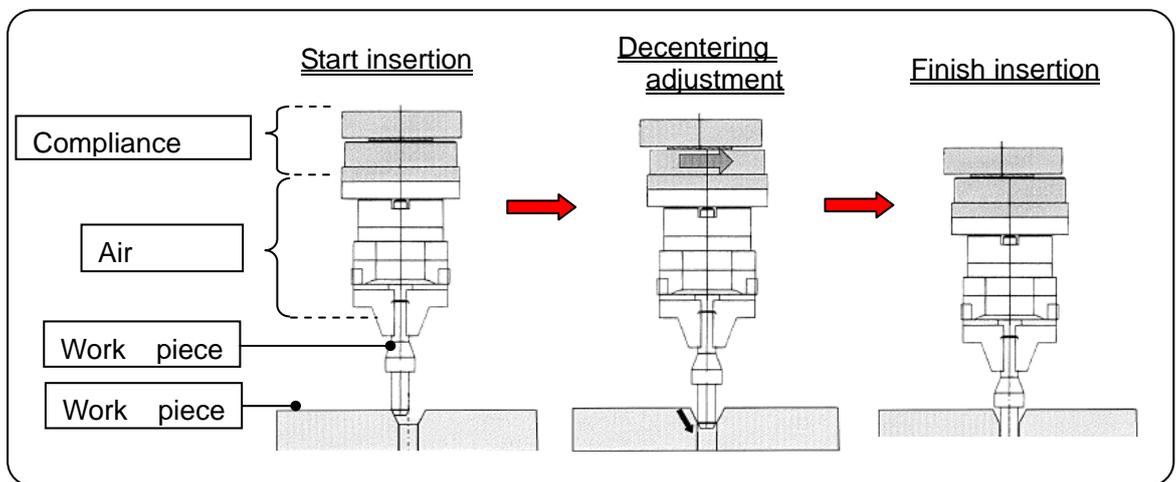
**⚠ Contact our sales office regarding a delivery date or a price since this is a special model.**

# Compliance unit MA210-H3-\*-X492 / MA210-H3-\*-X493

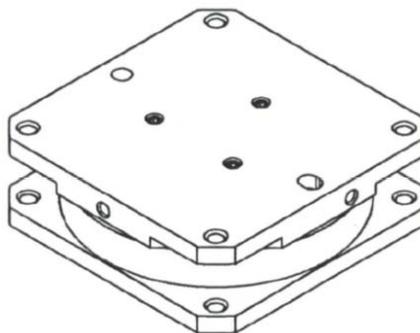
SMC CORPORATION  
4-14-1, SOTO-KANDA, CHIYODA-KU,  
TOKYO 101-0021, JAPAN  
URL: <http://www.smcworld.com>

- Adjustment manpower is reduced by automatically adjusting the decentering that occurs at parts assembly.
- Reduces increasing costs with accuracy improvement of the equipment

**Application: Light press-fit and assembly of parts**



■ Adjust X, Y, Z,  $\theta$ ,  $\alpha$  and  $\beta$  automatically



■ Center lock mechanism

Moving parts can be fixed at the center position. Prevents stagger of the tool in transit.

■ Automatic return type via spring

Without external force, it returns to the center position.

# Specifications

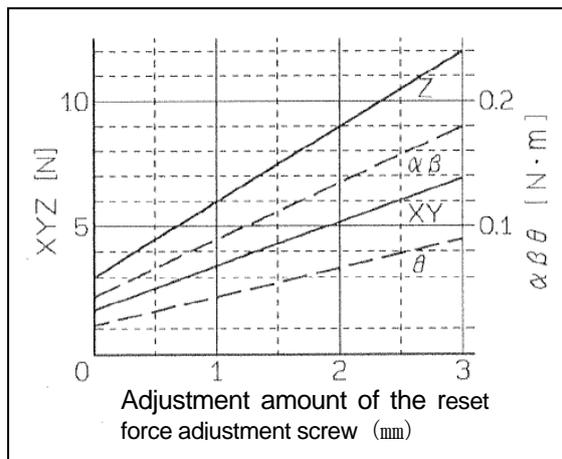
Model	MA210-H3-*-X492		MA210-H3-*-X493	
	With	Without	With	Without
Center lock mechanism	When locked	When not locked	When locked	When not locked
Handling	Single acting/Air supply when locked		Single acting/Air supply when locked	
Fluid temperature (°C)	0~60		0~60	
Pressure range (MPa)	0.15~0.7		0.15~0.7	
Transportable weight (kg)	1	0.2	1.5	0.3
Z direction allowable static loading (N)	70+ lock force	70	100+ lock force	100
Aβ direction allowable moment (N·m)	0.5+lock M	0.5	0.7+lock M	0.7
Positioning repeatability (mm)	±0.02	±0.1	±0.02	±0.1
Weight (movable part) (g)	75{35}		165{96}	
Operating range 	XY (mm)	Ø 2		Ø 2
	Z (mm)	-0.5		-0.5
	θ (°)	±4		±2.7
	αβ (°)	±1		±0.6

## “Reset force/Reset moment” and “Lock force/Lock moment” (Theoretical value)

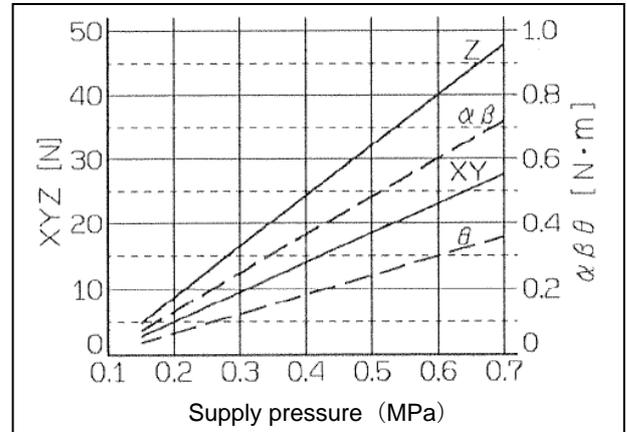
Note) Lock force/lock moment will be the sum of Graph 1 and Graph 2

<<MA210-H3-\*-X492>>

Graph 1: Reset force/Reset moment

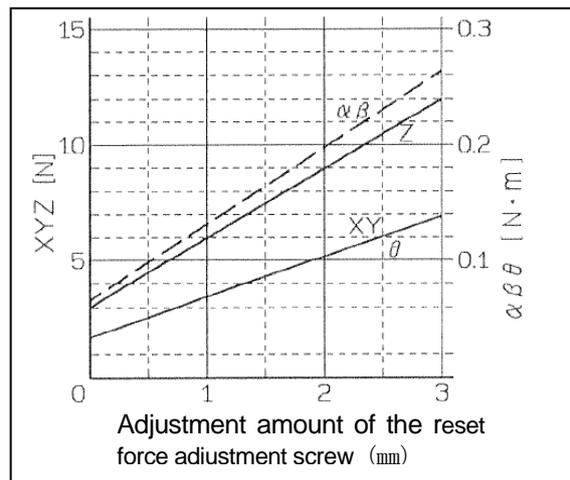


Graph 2: Supply pressure and Lock force/lock moment

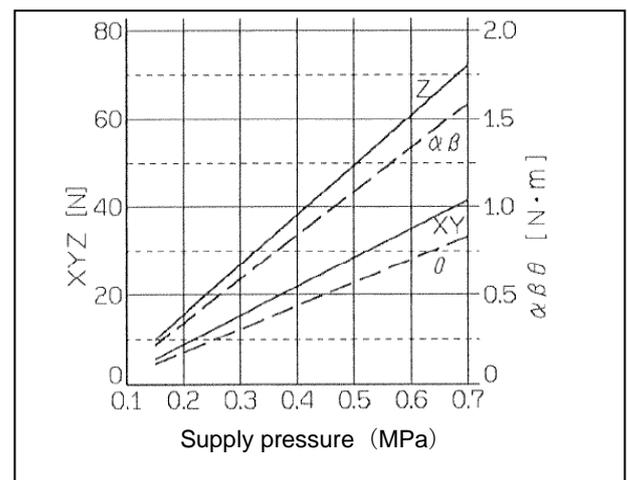


<<MA210-H3-\*-X493>>

Graph 1: Reset force/Reset moment  
Moment to return home



Graph 2: Supply pressure and Lock force/lock moment



# How to Order

MA210 - H3 - **L** - **X492**

Center lock mechanism

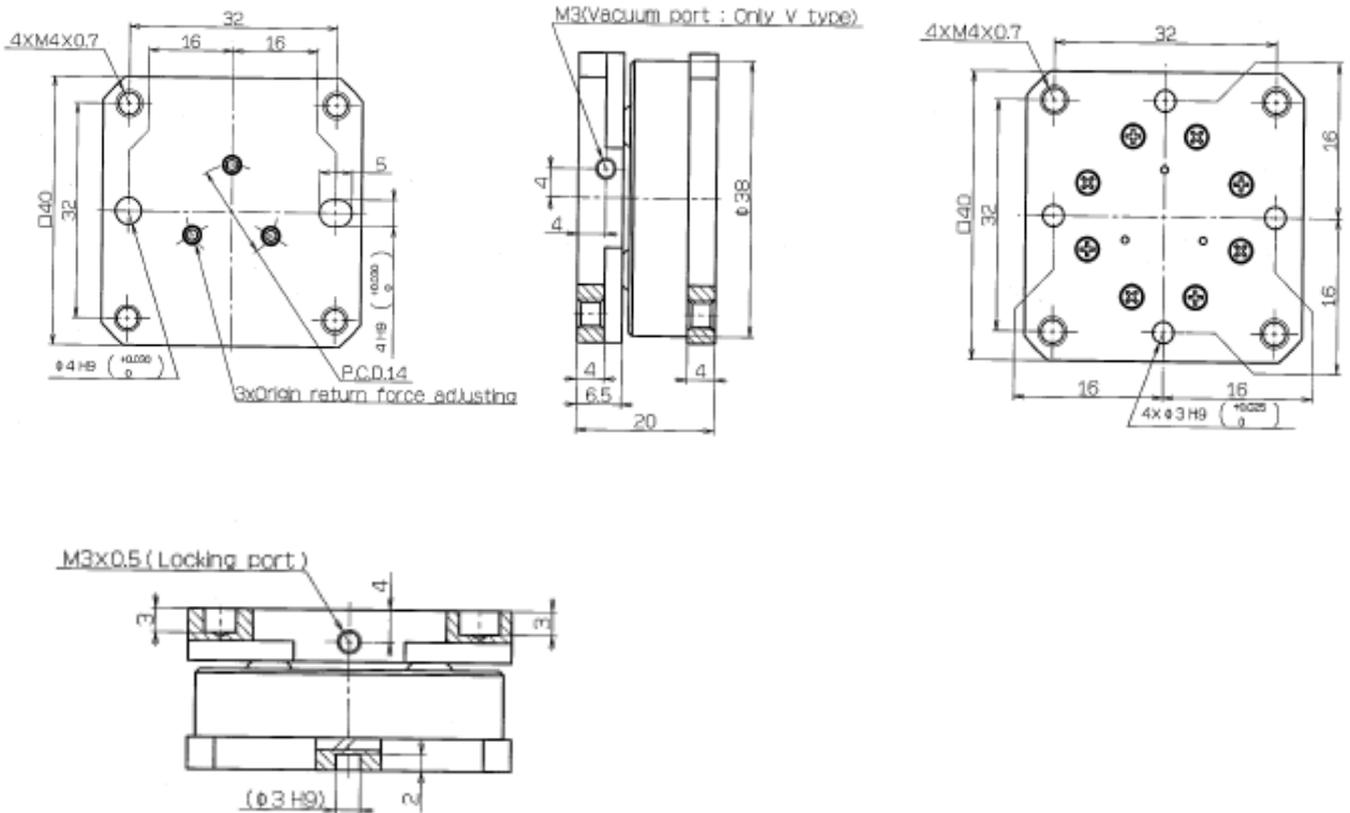
L	With lock
N	Without lock

Body size

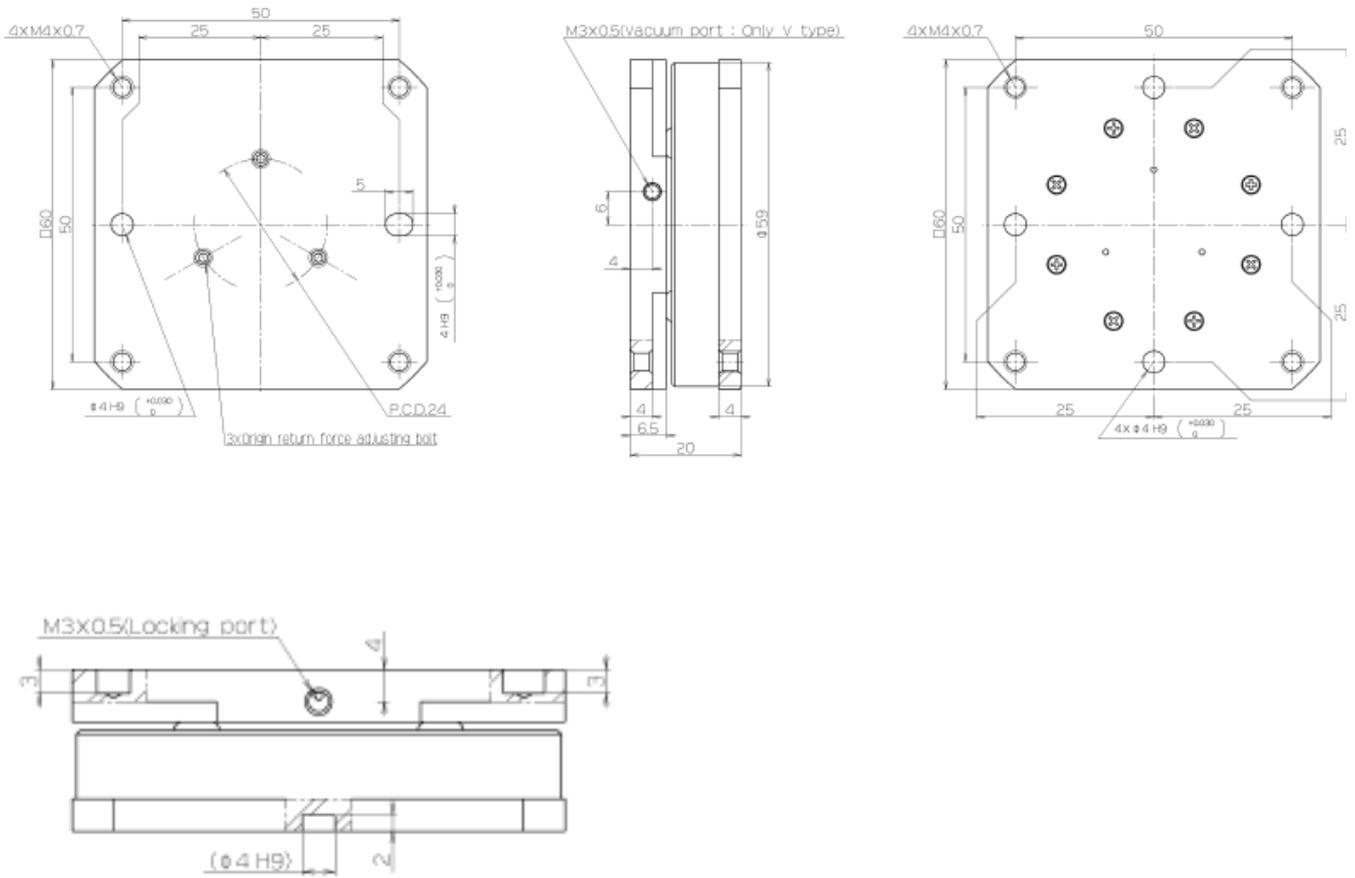
X492	□ 40
X493	□ 60

## Dimensions (mm)

•MA210-H3-\*-X492



•MA210-H3-\*-X493



**⚠ Caution** To ensure the safest possible operation of this product, please be sure to thoroughly read the "Safety Instructions" in our "Best Pneumatics" catalog before use.