

Air Clamp Instruction

Read before use

<Check before use>

Air clamp designed to use in air. Do not use in hydraulic.

Operation air pressure range is 0.4 - 0.6MPa.

Be sure a safety for workers during operation.

The holding capacity noted in catalog is maximum values at supply air pressure 0.5MPa.

The value cannot be guaranteed as it depends on the condition of use.

Use caution as the holding force will drop due to depending on the holding location, bolt adjustment, type of bolt uses and supply air pressure.

When selecting and using air clamps, allow enough margin for the holding capacity.

<Precaution>

Mounting Method: Mount by fixing bolts or by welding securely.

Clean plumbing: Before connecting a tube to an air clamp, flow air at 0.3MPa min. to clean the inside of tube.

Air supply: Use clean and dry air.

Operating temperature: 5 - 60 deg. C Do not use in higher than 60 deg.C

Operating environment: Do not use in the corrosive environment.

Plumbing: Set up air circuit.

Lubrication: Apply oil to the slides and friction parts on a regular basis.
Recommend using NPC Permalub H1002 or equivalent.

Operating Test: Check the operation before and after mounting and connecting tubes.

Holding position: It does not hold or clamp on the way of actuating. Be sure to finish the actuation.

Chip removing: When using in place where there are chips, remove chips around the unit, especially the rivets and rotating parts by using an airgun before unclamping.

Precaution: Do not insert your hands and fingers in range of the action and wear protective gloves for safety when mounting or using.

Inspection: Inspect regularly for any loose bolts that mounts the air cylinder. Also inspect bolts, nuts that secures the clamp shaft, clamp bolt and body.

<Instruction>

Clamp: To supply air pressure to the end of air cylinder. The cylinder rod push the clamp arm to downward then clamp.

Unclamp: Switch the air supply and the rod makes the clamp arm move to upward then unclamp.

Adjust speed: Use a speed controller valve and adjust the speed.

DANGER !! Do not insert your hands/fingers in range of the action during operation.