

Compact Location Clamp SWQ

A clamp with a positioning function that allows COBOTTA tooling changes to be carried out instantaneously with high precision. Positioning repeatability precision of 3 μm means that COBOTTA can resume operation immediately after tooling changes, without re-teaching.

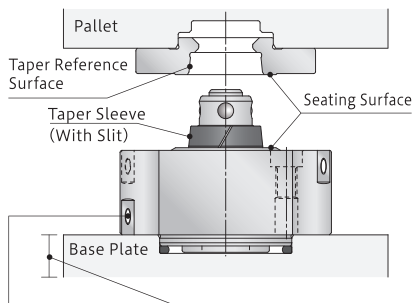


Scan here for product information details



Features

- Even greater miniaturization than current air location clamp product. It is the optimal model for tooling changes for compact pallets or lightweight jigs.



Simple Air Piping with External Piping Joint

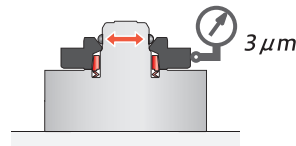
External piping joint with air piping makes equipment design simpler than with the gasket piping of the current model.

Able to Install in a Thinner Plate

Required hole machining depth is 3.5 mm allowing it to be installed on a thinner base plate.

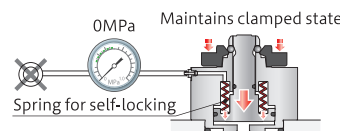
- Repeated Positioning with High Precision

Positioning repeatability: 3 μm
Use clamp and block in combination. Mount the block on the object for positioning.



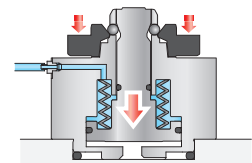
- Self-Locking (Safety) Function (Maintains clamping at zero air pressure)

The self-locking spring will keep the clamp locked even if the air pressure drops to zero due to a power outage, etc., ensuring safety. (See Holding Force at 0 MPa for details)
*Minimum operating air pressure or greater is required for positioning.



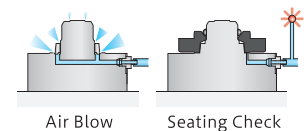
- Clamping Function

Clamping force ranges from 0.25 to 1.1 kN. Clamp operates by air pressure and self-locking spring. Select the appropriate clamping force for your needs.



- Air Blow and Seating Check

Contaminants can be removed using air blow. The seating surface includes an air blow hole, and proper seating can be confirmed using the gap sensor.



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