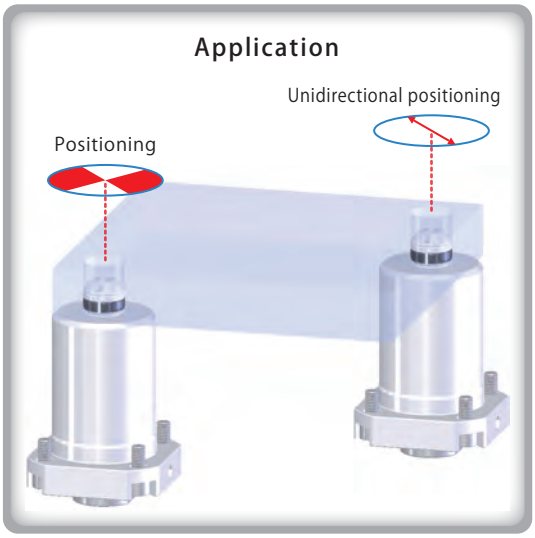
Stainless steel that is not easily corroded is choosed as an exterior material!

Expansion locating pin
(Corrosion proof)

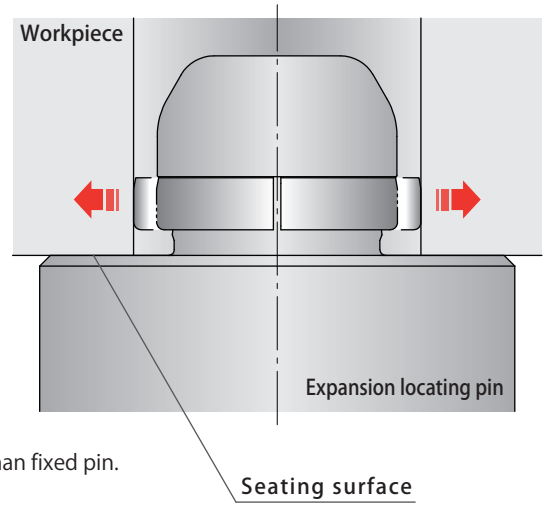


● All exterior material is made of stainless steel.

All exterior material that is made of stainless steel is sufficient to corrosion resistance.
So, this one has various use for washing line etc.
※One of chemicals is not allowed to use. Please let us know when you are interested in this one.

● Designed and manufactured for the hole diameter as per your demand.

This one is designed and manufactured according to workpiece hole.



● Easy loading/unloading workpiece.

When the taper sleeve is shrinked, the gap between work piece and pin is bigger than fixed pin.
So, loading/unloading workpiece is smoothly done.
This one is the most appropriate for the automation with robot. (Rough gide pin installation is recommended.)

● Flange used as seating surface.

Flange is capable of being used as seating surface.
Seating surface installation is not needed by adjusting the thickness of installation plate.

Note
1. This product is only for positioning, please ensure alternate clamping as per your requirement.

This is the part of an example made in the past.
When you have it in mind that the specification, measurement is except for our range, let our sales representative know.

Specifications

Model No. *1			VLY0010-□-A120
Workpiece hole diameter		mm	ϕ12
Datum diameter	At release position (Max)	mm	ϕ11.92
	At full stroke (Min)	mm	ϕ12.05
Full stroke		mm	0.7
Repetitive locating accuracy *2		mm	0.1 (0.003)
Proof stress for pulling *3		kN	0.25
Allowable eccentricity (C: cut)		mm	±0.10
Necessary force for release		kN	1.5 ~ 2.5
Useable fluid		℃	0 ~ 70
Allowable thrust loading		kN	2.5

Note
*1. D or C is supposed to fill in the blank □.
D : Datum (for locating)
C : Cut (for locating one direction)
Locating X/Y axis direction works by installing both datum and cut.
*2. Repetitive locating accuracy can be changed into High accuracy type(0.003mm).
*3. Proof stress for pulling indicates the force that keep the workpiece from rising up.
The number in the graph is calculated in terms of friction as μ0.1.
1. This product is only for locating, please ensure alternate clamping as per your requirement.

External dimensions

※1. This drawing is the reference. Detail mesurement is not in this drawing.
※2. This drawing is at release position(shrinking diameter).
※3. This product locates workpiece with built-in spring.
(As for release action, the pushing device should be prepared seperately.)