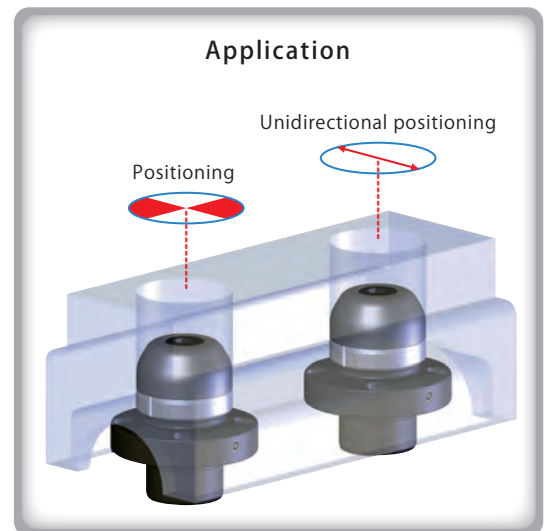


Locating precisely by expanding and shrinking taper sleeve!

Expansion locating pin (High accuracy type)



- **No scratches/dig marks on workpiece hole using taper sleeve .**

Taper sleeve in cylinder type touch work piece hole all around and then locate it.
So it has no scratches on work piece hole.

- **High repetitive positioning accuracy.**

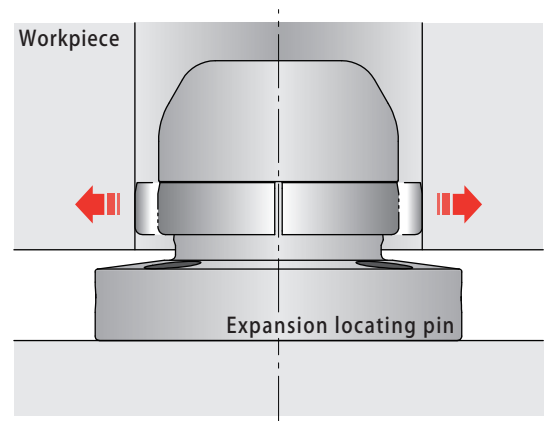
Repetitive positioning accuracy : $3 \mu\text{m}$

- **Easy loading/unloading workpiece feature.**

When the taper sleeve is shrunk, the gap between work piece and pin is bigger than fixed pin.
So, loading/unloading workpiece is smoothly done. The shape of pin head is designed to load work piece easily.

- **Available for a variety of hole diameter range($\phi 8 \sim \phi 80$).**

Designed and manufactured according to the workpiece hole diameter on your demand.

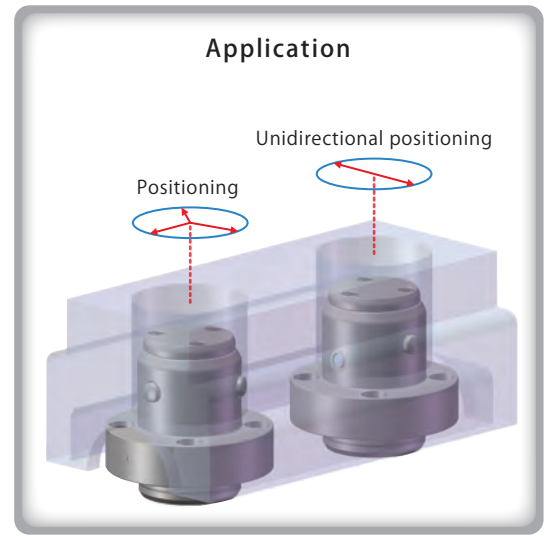


Note

1. This product is only for locating. Please ensure alternate clamping as per your requirement.

Locating major diameter hole with long stroke!

Expansion locating pin (Long stroke type)



- It is appropriate for the line having different type of workpiece because of movable pin.

Pin makes a large move. So, the range of workpiece hole diameter is also large, which makes it available in the line having different type of workpiece.

- Repetitive positioning with high accuracy.

Repetitive positioning accuracy : $50\ \mu\text{m}$

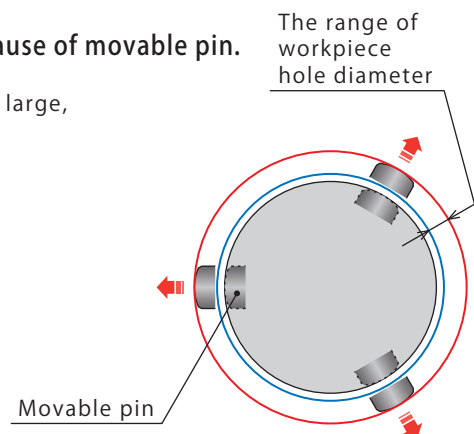
- Sufficient workpiece.

Sufficient workpiece attaching & detaching with large pin moving.

- Available for wide range of hole diameter $\phi 8 \sim \phi 80$.

Designed and manufactured according to the workpiece hole diameter on your demand.

For the small diameter, ball is used instead of movable pin.



Note

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