

VQY can make engine block in the direction of X axis positioned with high accuracy!

Centering cylinder for bore



- **Positioning the X axis of engine block etc.**

Possible to position toward both X/Y when both datum cylinder for X axis and Y axis is used together.

Plus our clamps, the perfect positioning toward X/Y/Z and clamp system (sitting surface needs to be added) are build.

- **Easy loading/unloading workpiece.**

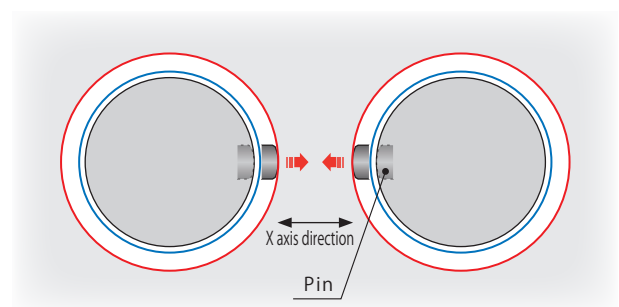
Due to large amount of pin stroke, the gap between the body of cylinder and work piece hole is big so that loading/unloading of workpiece is easy.

- **With large amount of positioning force, huge work piece is able to be positioned precisely.**

Positioning force that VQY has is large.

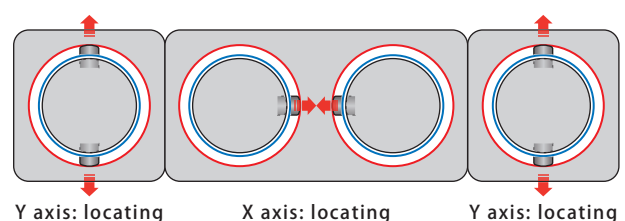
So, even if the workpiece is big in size, it can position it.

This one is designed for a car's engine block and the device that is able to position precisely.



X axis: locating

Large diameter datum cylinder Centering cylinder Large diameter datum cylinder



Y axis: locating

X axis: locating

Y axis: locating

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.	VY0670	
Expanding force (hydraulic pressure at 3.5MPa)*1	kN 2.3	
Workpiece hole diameter	mm	$\phi 71 \sim \phi 78$
The measurement of expanding part	At release position	mm $\phi 67.5$
	At full stroke	mm $\phi 79.5$
Cylinder capacity	cm ³	15.4
Operating hydraulic pressure*2	MPa	3.5
Withstanding pressure	MPa	5.0
Operating temperature	°C	0 ~ 70
Useable fluid	General hydraulic oil equivalent to ISO-VG-32	

Note

1. The expanding force * 1 and hydraulic pressure for use * 2 is the reference.
When using it with different hydraulic pressure, please contact us.

● External dimensions

- ※1. This drawing is the reference. Detail measurement is not on this drawing.
- ※2. This drawing shows the one at release position.
- ※3. This product is only for locating in one axis direction. Please ensure alternate clamps as per your requirement.

