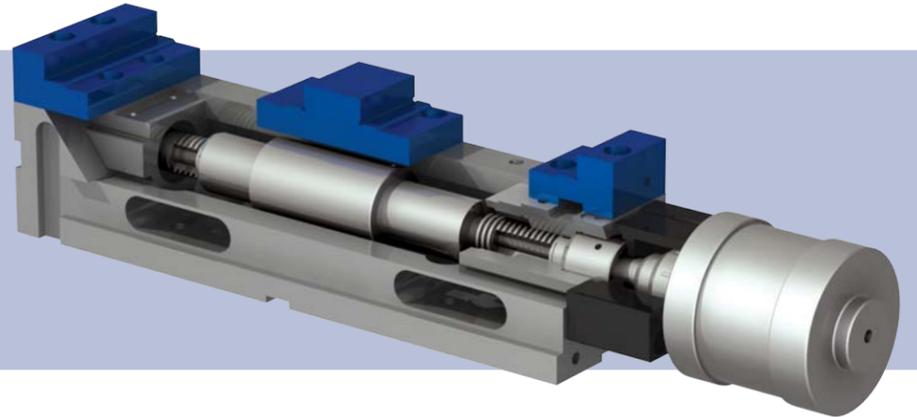


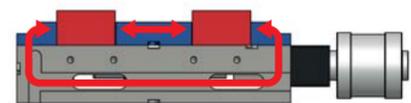
high pressure automatic vises

Arnold Twin Hydro-Pneumatic

ARNOLD TWIN HYDRO-PNEUMATIC high pressure vises are capable of clamping two work-pieces simultaneously.



- Main components in cast nodular peralite GGG70.
- All surfaces ground with a parallelism and perpendicularity of 0.02 mm (0.0008").
- Can be mounted on the base, on the side or vertically on the head.
- Suitable for working in horizontal and vertical machining centers.
- 0.01 mm (0.0004") clamping repeatability.
- Hydro-pneumatic high pressure single acting intensifier works with compressed air of 6 bars (87 psi).
- 4 ton (8,800 lbs) max clamping force; adjustable with air pressure (see manual). The air must be clean and dry.
- Automatically closes and opens 4mm (0.16").
- Vise can be activated using the valve supplied, by a pedal, or by a programmable solenoid valve.
- Side opening for easy chip evacuation.
- Ideal for machining large series of work-pieces.



- Equal force from both sides eliminates center jaw deflection.



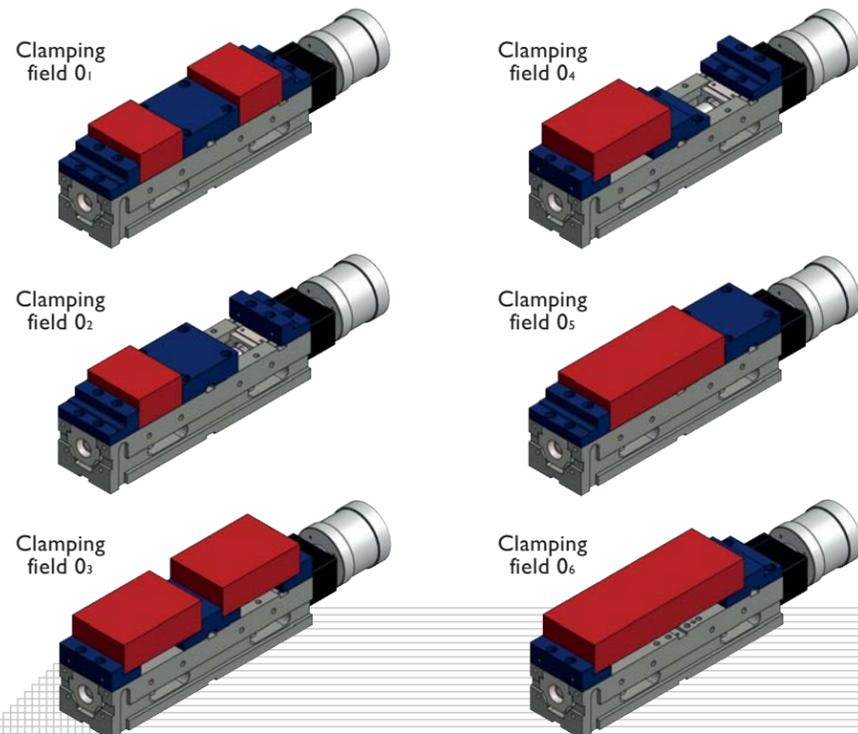
Working system

- ARNOLD twin hydro-pneumatic vises are supplied with machinable soft jaws.
- The jaws can be machined to nest irregular shaped parts such as castings, forgings or extrusions.
- Ideal for "work and turn" machining in one setup to reduce inventory of unfinished parts.

Clamping possibilities

Two work pieces can be clamped at the same time, with a difference in size of 3 mm (0.12"), or one single large work piece.

ARNOLD Twin vises permit six different clamping modes by changing use and position of the standard jaws.



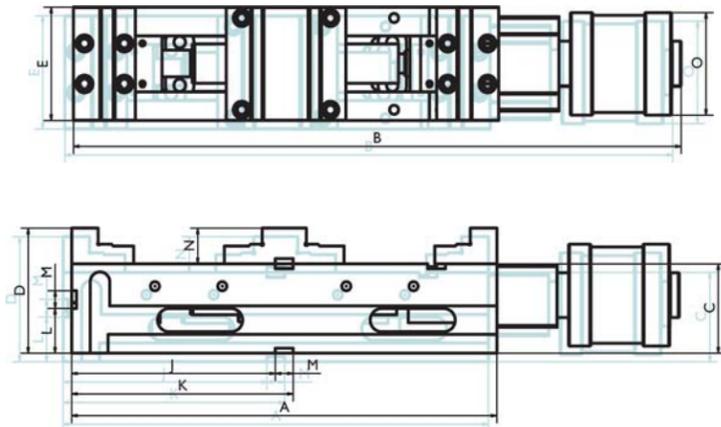
Size	125
Arnold Twin Hydro-Pneumatic	040 600 125
Clamping force (kg / lbs)	4000 / 8,800
A (mm / inches)	480 / 18.90
B (mm / inches)	688 / 27.09
C -0.02 (mm / inches)	100 / 3.94
D (mm / inches)	140 / 5.51
E (mm / inches)	126 / 4.96
K (mm / inches)	230 / 9.06
L (mm / inches)	50 / 1.97
M H7 (mm / inches)	20 / 0.79
N (mm / inches)	40 / 1.57
Weight (kg / lbs)	48 / 106

Clamping field

The clamping field depends on the depth of the pockets for the parts machined into the machinable soft jaws.

Elements needed for the operation not supplied with the vise

- Connection pipe of air supply
- Filter unit, pressure gauge and air lubricator.
- **Note:** If using a control pedal: The set of valves supplied with the vise must be placed between the air supply and the pedal, not between the pedal and the vise.



Supplied with

- base body
- hydro-pneumatic spindle
- anti-return valve
- 1 set of machinable soft jaws
 - 2 x side jaws
 - 1 central jaw II (block)
- 4 toe clamps
- instruction manual



Arnold hydro-pneumatic twin vise shown with optional hard jaws.