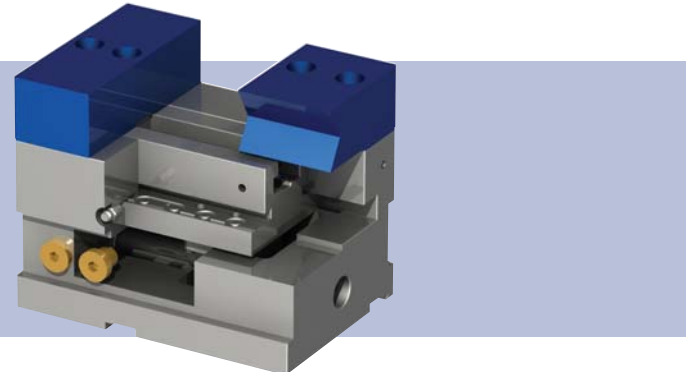


# high pressure automatic vises

## Arnold IZ1 Hydraulic

ARNOLD IZ1-HYDAULIC high pressure vises are compact automatic vises with extensive movement, specially designed for rapid clamping or robotic systems.

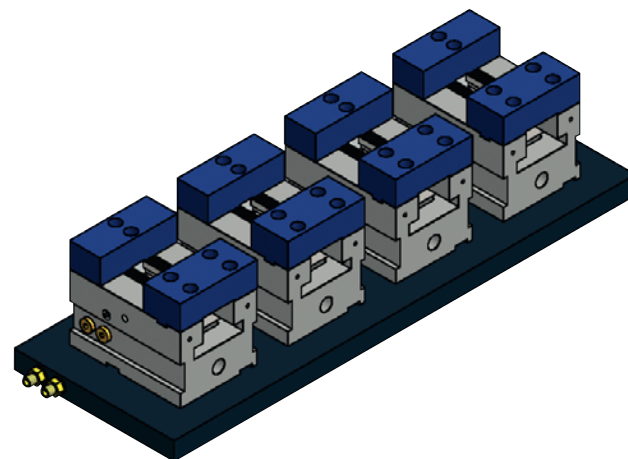


- Material: steel
- 0.01mm (0.0004") clamping repeatability.
- All components are tempered and ground.
- Suitable for working in horizontal and vertical machining centers.
- Fixed jaw firmly clamped to the base body to maintain a secure reference.
- Moveable jaw guided by interior slides at the base of the vise to avoid upward movement of jaw.
- Hermetically sealed clamping mechanism
- No cleaning operations needed.
- Fitted with a totally concealed double effect hydraulic cylinder.

- Clamping force directly proportional to the input oil pressure (see manual).
- For 250 bar (3,600 psi) pressure, the resulting force is 1.75 tons (3,850 lbs).
- Automatic 15 mm (0.59") forward and backward movement.
- Compact size.

### Clamping possibilities

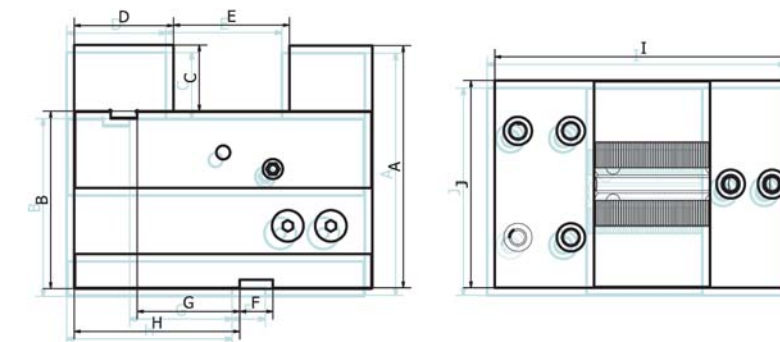
- Many Arnold IZ1 vises can be assembled on one single base plate and can be operated with a single oil input. This allows the clamping of a large number of small work-pieces taking up very little space.
- Possibility of jaws adapted to the geometrical requirements of the work-piece.
- Custom jaws available.



### Elements needed for the operation not supplied with the vise:

- Hydraulic supply with 300 bar (4350 psi).
- Connecting hoses.
- Pressure control switch(es)
- Pressure gauge.
- Safety valve integrated into the unit
- ON – OFF switch.

Size	125
<b>Arnold IZ1</b>	<b>090 600 125</b>
Clamping force @ 250 bar / 3625 psi (kg / lbs)	1750 / 3600
A (mm / inches)	146 / 5.75
B (mm / inches)	107 / 4.21
C (mm / inches)	40 / 1.57
D (mm / inches)	60 / 2.36
E (mm / inches)	70 / 2.76
F (mm / inches)	20 x 7 / 0.79 x 0.28
G (mm / inches)	62 / 2.44
H (mm / inches)	100 / 3.94
I (mm / inches)	180 / 7.09
J (mm / inches)	125 / 4.92
Vice weight (kg / lbs)	18 / 40
Clamping stroke (mm / inches)	15 / 0.59



### Supplied with

- base body
- hydraulic spindle
- 1 set of plain jaws
- instruction manual

