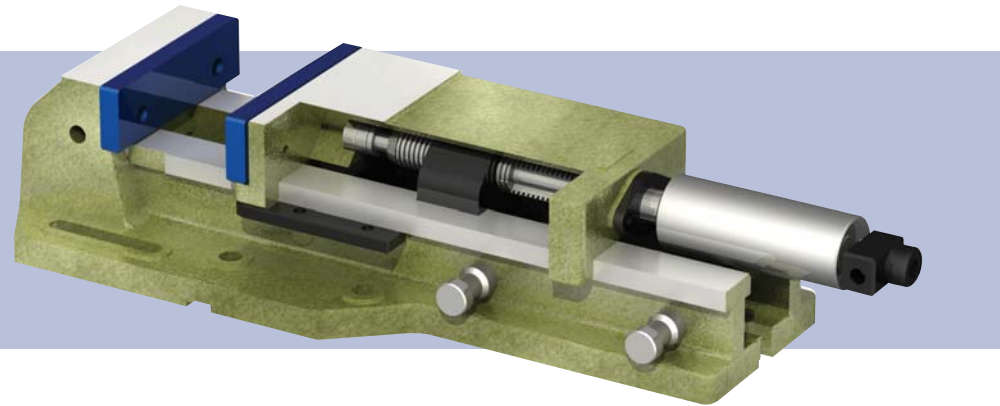


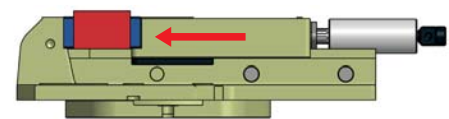
# high pressure automatic vises

## Arnold Classic Hydraulic

High pressure ARNOLD Classic HYDRAULIC VISES can obtain a clamping force of up to 8 tons (17,600 lbs) and have an opening and closing movement of 4 mm (0.16").



- Accuracy of 0.01mm (0.0004") on the clamping repeatability.
- Large opening up to 375 mm (17.76"); practically unlimited with the two-part body.
- Monoblock design avoids deformations due to high pressure and offers great rigidity.
- Fitted with a high pressure single effect hydraulic intensifier.
- Adjustable clamping force and directly proportional to the hydraulic oil supply pressure (see manual).
- Maximum pressure is obtained with an input pressure of 500 bar (7,250 psi).
- The force applied by the high pressure spindle is transmitted to the work-piece in the exact centre of the clamping jaw.
- Closes and opens 4mm (0.16"). Larger closing strokes available.



### OPERATION

- Manually position the moveable jaw at about 3mm (0.12") from the work piece to allow positive contact and easy part loading and unloading.
- Ideal for machining large series of work-pieces.

### VERSIONS

#### 1. Standard vise.

- Standard shape uses holes and slots to mount vises on the machine table.
- Can be supplied with an optional swivel base

#### 2. Straight vise.

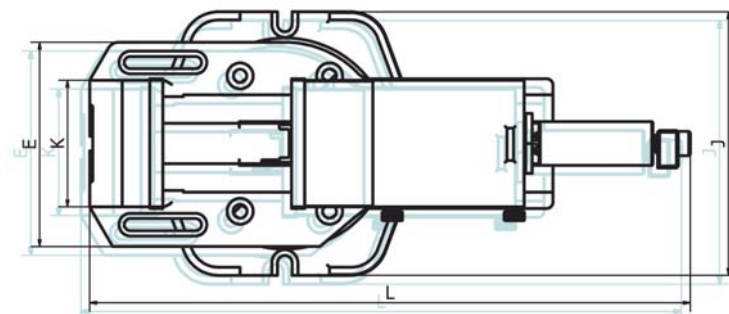
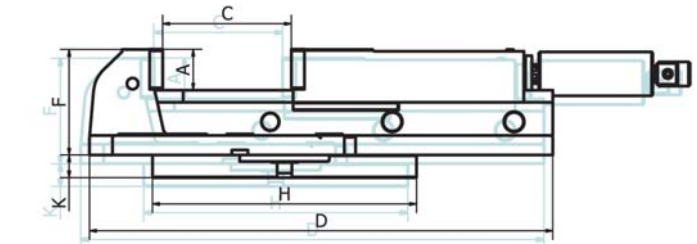
- Narrow body allows closer mounting of vises to hold more parts in a given space, or to hold one large part across several vises.



Size	125	160	200
Hydraulic Arnold	010 140 125	010 140 160	010 140 200
Arnold Hydraulic with base	010 141 125	010 141 160	010 141 200
Arnold Straight Hydraulic	010 142 125	010 142 160	010 142 200
Clamping force (kg / lbs)	4000 / 8800	5000 / 11000	8000 / 17600
A (mm / inches)	40 / 1.57	50 / 1.97	63 / 2.48
B (mm / inches)	125 / 4.92	160 / 6.30	200 / 7.87
C - Clamping field 1 (mm / inches)	0-105 / 0-4.13	0-155 / 0-6.10	0-210 / 0-8.27
C - Clamping field 2 (mm / inches)	100-205 / 3.94-8.07	150-305 / 5.91-12.01	165-375 / 6.50-14.76
D (mm / inches)	425 / 16.73	570 / 22.44	680 / 26.77
E (mm / inches)	195 / 7.68	250 / 9.84	300 / 11.81
F standard vise (mm / inches)	107 / 4.21	130 / 5.12	160 / 6.30
F straight vise (mm / inches)	112 / 4.41	139 / 5.47	164 / 6.46
L (mm / inches)	480-695 / 18.90-27.36	565-880 / 22.24-34.65	720-1015 / 28.35-39.96
Vise weight (kg / lbs)	26 / 57	51 / 112.2	94 / 206.8
Base	800 450 125	800 450 160	800 450 200
H	264 / 10.39	325 / 12.80	400 / 15.75
J	270 / 10.63	325 / 12.80	400 / 15.75
K	28 / 1.10	32 / 1.26	45 / 1.77
Base weight(kg / lbs)	8 / 17.6	15 / 33	32 / 70.4

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

- Hydraulic fluid supply with 500 bar (7,250 psi) maximum.
- Connecting hoses.
- Pressure control switch
- Pressure gauge.
- Safety valve integrated into the unit
- ON - OFF switch.



### Supplied with

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

