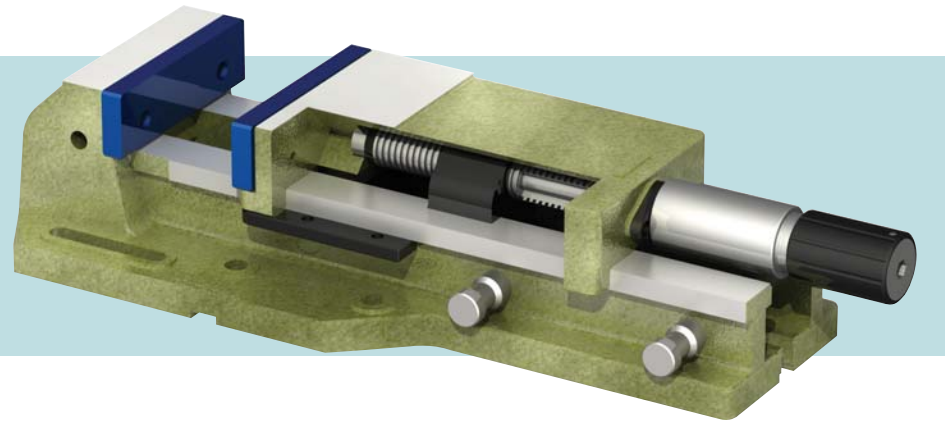


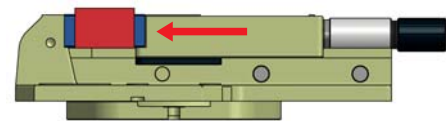
# high pressure manual vises

## Arnold Classic with Mechanical Booster

High pressure ARNOLD Classic vises with MECHANICAL BOOSTER achieve a clamping force of up to 8 tons (17,600 lbs) with the effortless turning of the handle. This makes them ideal for heavy duty clamping in milling, drilling and threading applications.



- 0,01mm (0.0004") clamping repeatability.
- Monoblock design avoids deformations with high pressure and offers great rigidity.
- Large opening up to 375 mm (15.76"); even more with two part body!
- Clamping force from 2,4 to 8 tons (5,250 to 17,600 lbs) depending on the size.
- Fitted with high pressure mechanical intensifier.
- The force applied by the high pressure spindle is transmitted to the work-piece in the exact center of the clamping jaw.
- Repeatable clamping force avoids repositioning the work-piece from one day to the next. Ideal for long production runs.
- Optional power regulator.
- Up to seven different types of standard jaws.



Optional Power Regulator



Optional Swivel Base

### Available in 3 versions

#### 1. Standard vise.

- Standard vise is mounted to the machine table through holes and slots.
- Can be supplied with a swivel base.



#### 2. Straight vise.

- A narrower body enables closer side-by-side mounting; ideal to hold large parts with multiple vises.

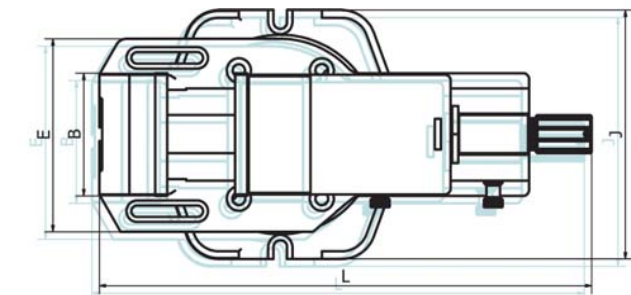
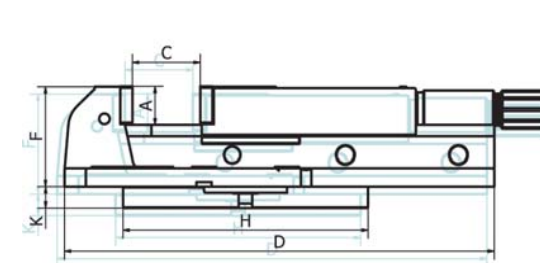


#### 3. Two part straight vise.

- Able to clamp any work-piece that will fit on your machine.
- Clamps the work-pieces on top of the guides or on top of the table.



| Size                                      | 090                   | 125                   | 160                   | 200                    |                      |
|---|-----------------------|-----------------------|-----------------------|------------------------|----------------------|
| Arnold Mechanical                         | 010 200 090           | 010 200 125           | 010 200 160           | 010 200 200            |                      |
| Arnold Mechanical with regulator          |                       | 010 210 125           | 010 210 160           | 010 210 200            |                      |
| Arnold Mechanical with base               | 010 201 090           | 010 201 125           | 010 201 160           | 010 201 200            |                      |
| Arnold Mechanical with base and regulator |                       | 010 211 125           | 010 211 160           | 010 211 200            |                      |
| Straight Arnold Mechanical                | 010 202 090           | 010 202 125           | 010 202 160           | 010 202 200            |                      |
| Straight Arnold Mechanical with regulator |                       | 010 212 125           | 010 212 160           | 010 212 200            |                      |
| Two part Arnold hydraulic                 |                       |                       | 010 203 160           | 010 203 200            |                      |
| Clamping force (kg / lbs)                 | 2500 / 5500           | 4000 / 8800           | 5000 / 11000          | 8000 / 17600           |                      |
| A   | 40 / 1.57             | 40 / 1.57             | 50 / 1.97             | 63 / 2.48              |                      |
| B   | 90 / 3.54             | 125 / 4.92            | 160 / 6.30            | 200 / 7.87             |                      |
| C   | Clamping field 1      | 0-80 / $\pm$ 0.3-1.5  | 0-105 / 0-4.13        | 0-155 / 0-6.10         | 0-210 / 0-8.27       |
|   | Clamping field 2      | 75-155 / 2.95-6.10    | 100-205 / 3.94-8.07   | 150-305 / 5.91-12.01   | 165-375 / 6.50-14.76 |
| D   | 355 / 13.98           | 425 / 16.73           | 570 / 22.44           | 680 / 26.77            |                      |
| E   | 160 / 6.30            | 195 / 7.68            | 250 / 9.84            | 300 / 11.81            |                      |
| F   | 92 / 3.62             | 107 / 4.21            | 130 / 5.12            | 160 / 6.30             |                      |
| F (Straight vice)                         | 92 / 3.62             | 150 / 5.91            | 150 / 5.91            | 150 / 5.91             |                      |
| L   | 395-550 / 15.55-21.65 | 485-690 / 19.09-27.17 | 570-875 / 22.44-34.45 | 720-1100 / 28.35-73.31 |                      |
| Vise weight (kg / lbs)                    | 13 / 28.6             | 26 / 57.2             | 51 / 112.2            | 94 / 206.8             |                      |
| Base                                      | 800 450 090           | 800 450 125           | 800 450 160           | 800 450 200            |                      |
| H   | 220 / 8.66            | 264 / 10.39           | 325 / 12.80           | 400 / 15.75            |                      |
| J   | 230 / 9.06            | 270 / 10.63           | 325 / 12.80           | 400 / 15.75            |                      |
| K   | 25 / 0.98             | 28 / 1.10             | 32 / 1.26             | 45 / 1.77              |                      |
| Base weight (kg / lbs)                    | 5 / 11                | 8 / 17.6              | 15 / 33               | 32 / 70.4              |                      |



### Supplied with

- base body
- mechanical spindle
- 1 set of plain jaws
- 1 handle
- instruction manual

