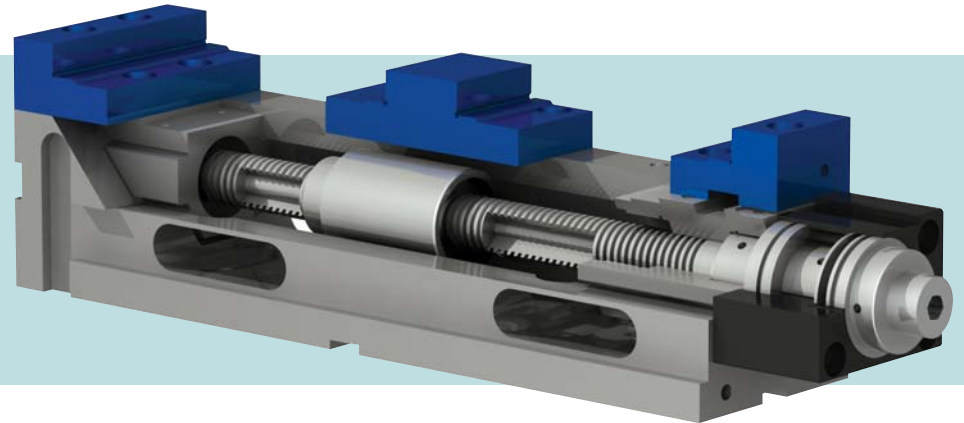


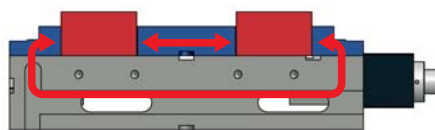
Arnold Twin with Hydraulic Booster

ARNOLD TWIN manual vises with HYDRAULIC BOOSTER are capable of clamping two pieces simultaneously with one single movement of the handle. Ideal for machining series of work-pieces in machining centers.



- Main components in nodular cast iron.
- All relevant surfaces precision ground.
- Possible working positions: supported 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 .
- High pressure hydraulic intensifier incorporated into the spindle, which keeps the clamping force for hours.
- 2.5 to 4 tons (5,500 to 8,000 lbs) of force with effortless manual operation. Ideal for large clamping and long clamping operations.
- Side windows for easy chip removal.

Compensated clamping



- The clamping system applies equal force from both sides towards the center; this eliminates center jaw deflection.

3rd Hand

Permits the loading of one part at a time, a must when the vises are in a vertical position.

Turning the handle brings the moveable jaw I towards the work-piece situated in station I until it is clamped.

Continuing to turn the handle brings moveable jaw II towards the work-piece situated in station II until it is clamped.

Continuing to turn further will engage the power intensifier.

Clamping possibilities

Two workpieces can be clamped at the same time, with a difference in size between them of 3 mm (0.12"), or one single work-piece. The ARNOLD TWIN vise permits six different clamping fields by changing standard jaw position.



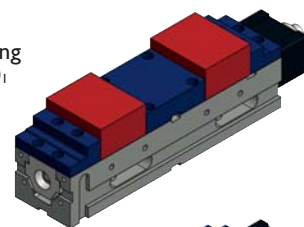
- Hard jaws can use all Arnold jaws (page 44).



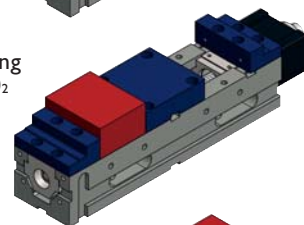
- Optional soft jaws can be machined to hold castings, forgings and other shapes.

- Angle driver for handle clearance available.

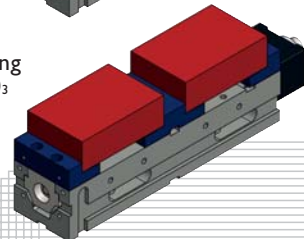
Clamping field 0₁



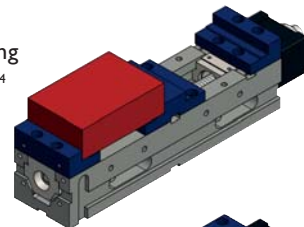
Clamping field 0₂



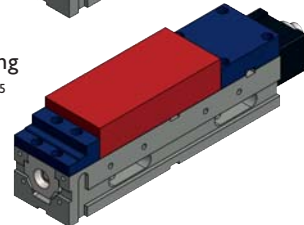
Clamping field 0₃



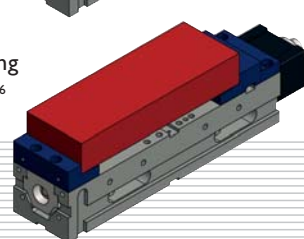
Clamping field 0₄



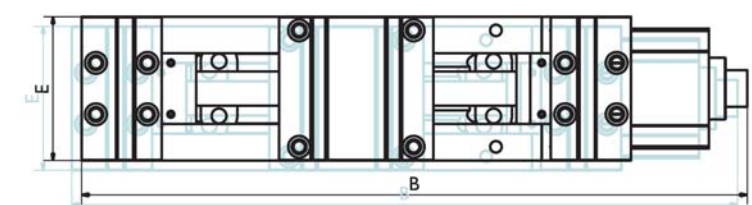
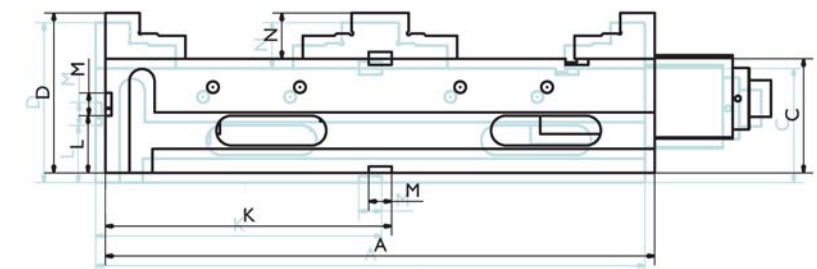
Clamping field 0₅



Clamping field 0₆



Size	090	125		
Arnold Twin Hydraulic	040 410 090	040 410 125		
A (mm / inches)	400 / 15.75	480 / 18.90		
B (mm / inches)	489 / 19.25	656 / 25.83		
C (mm / inches)	75 / 2.95	100 / 3.94		
D (mm / inches)	115 / 4.53	140 / 5.52		
E (mm / inches)	91 / 3.58	126 / 4.96		
K (mm / inches)	190 / 7.48	230 / 9.06		
M H7 (mm / inches)	20 / 0.79	20 / 0.79		
N (mm / inches)	40 / 1.57	40 / 1.57		
Clamping force (kg / lbs)	2.500x2 / 5,500x2	4.000x2 / 8,800x2		
Weight (kg / lbs)	25 / 55	45 / 99		
Position	horizontal	vertical	horizontal	vertical
Clamping field 0 ₁ (mm / inches)	0-80 / 0-3.15	0-68 / 0-2.68	0-99 / 0-3.90	0-87 / 0-3.42
Clamping field 0 ₂ (mm / inches)	0-92 / 0-3.62	0-80 / 0-3.15	0-114 / 0-4.49	0-102 / 0-4.02
Clamping field 0 ₃ (mm / inches)	66-145 / 2.60-5.71	66-133 / 2.60-5.24	83-181 / 3.27-7.13	83-169 / 3.27-6.65
Clamping field 0 ₄ (mm / inches)	66-157 / 2.60-6.18	66-133 / 2.60-5.24	83-196 / 3.27-7.72	83-184 / 3.27-7.24
Clamping field 0 ₅ (mm / inches)	140-221 / 5.51-8.70	140-209 / 5.51-8.23	180-286 / 7.09-11.26	180-274 / 7.09-10.79
Clamping field 0 ₆ (mm / inches)	198-286 / 7.80-11.26	198-274 / 7.80-10.79	262-368 / 10.31-14.49	262-356 / 10.31-14.02



Supplied with

- Base body
- Hydraulic spindle
- 1 set of plain jaws
 - 2 x side jaws
 - 1 central jaw I (staggered)
 - 1 central jaw II (block)
- 1 handle
- 4 toe clamps
- instruction manual

The Arnold TWIN 125 is shipped with integral power regulator.

