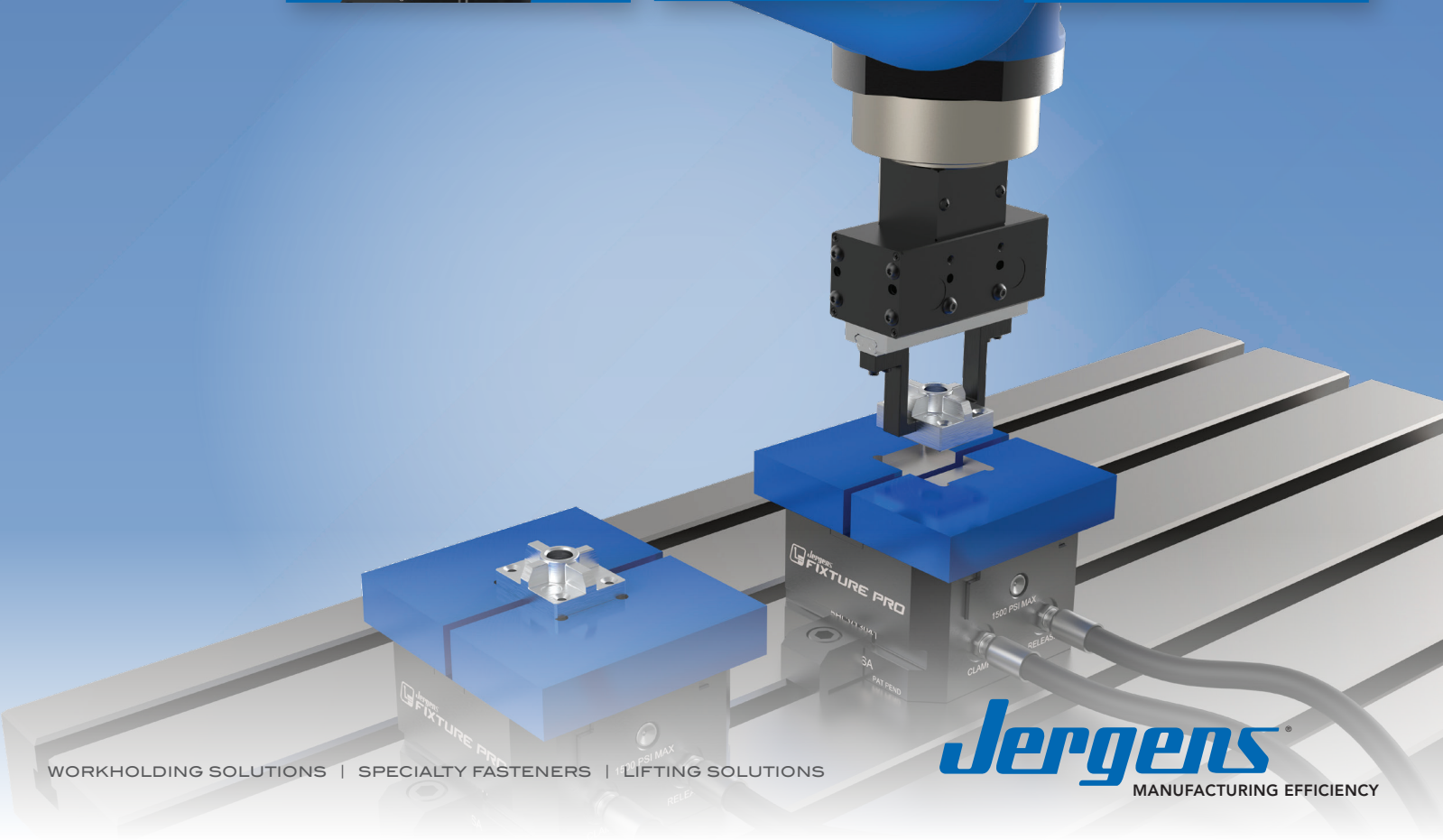
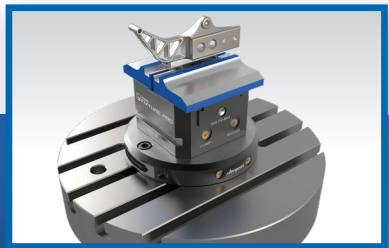
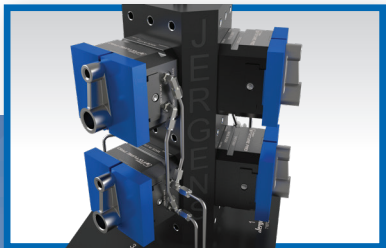


Jergens
FIXTURE PRO[®]
QUICK-CHANGE FIXTURING

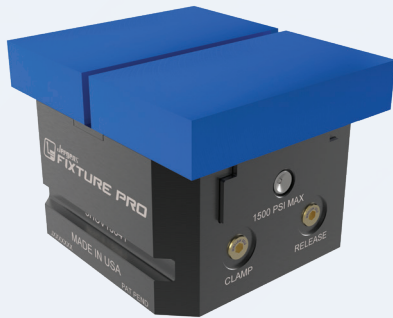
130MM SELF-CENTERING HYDRAULIC VISE



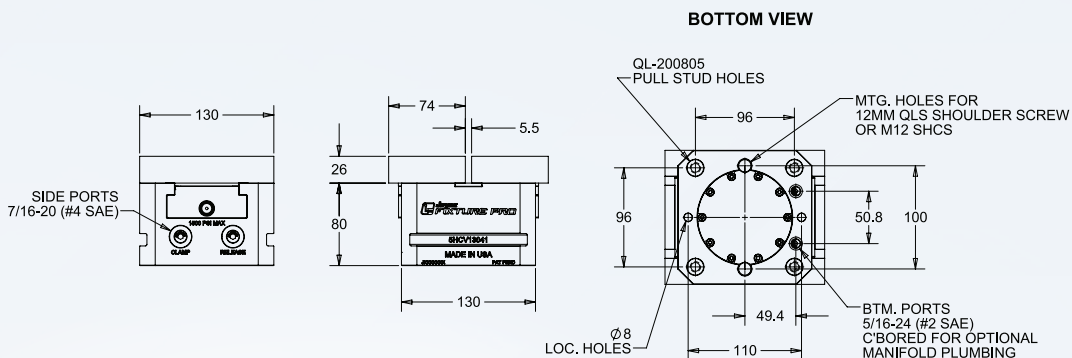
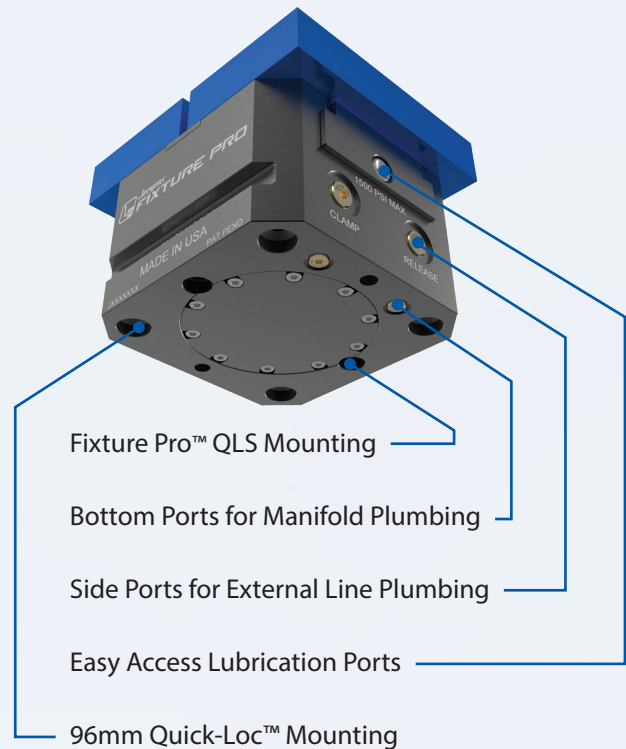
WORKHOLDING SOLUTIONS | SPECIALTY FASTENERS | LIFTING SOLUTIONS

Jergens[®]
MANUFACTURING EFFICIENCY

130mm Self-Centering Hydraulic Vice



- **Double-acting**
- **Highly-repeatable clamping forces**
- **Quick-change jaws**
- **Includes aluminum (A) or steel (S) soft jaws**
- **Versatile mounting options**
- **High clamping forces**
- **Low operating pressures permit running directly off of machine hydraulics**
- **Steel body and internal components treated with hardened low-friction process for enhanced performance and durability**



Specifications

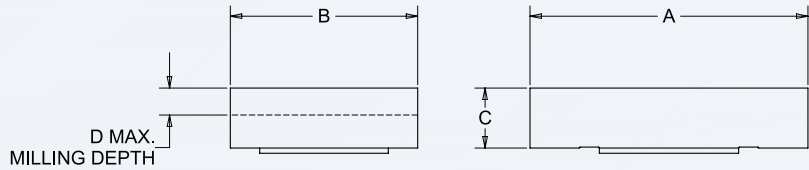
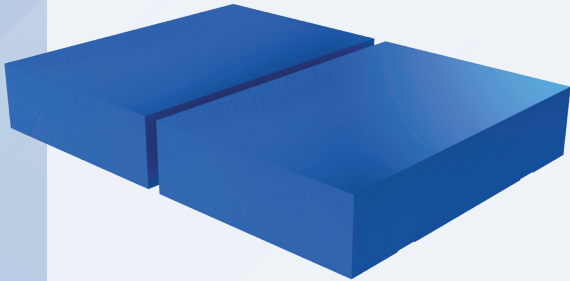
Part Number	5HCV13041-A	5HCV13041-S
Clamping Stroke - in (mm)	.22 (5.5)	.22 (5.5)
Operating Volume Clamp - in ³ (cm ³)	1.73 (28.3)	1.73 (28.3)
Operating Volume Unclamp - in ³ (cm ³)	1.95 (32)	1.95 (32)
Max. Input Pressure - psi (bar)	1,500 (104)	1,500 (104)
Min. Input Pressure - psi (bar)	500 (35)	500 (35)
Jaw Type	Alum. Soft Jaws	Steel Soft Jaws
Weight - lbs (kg)	23 (10.4)	28 (12.7)

Input Pressure		Clamping Force	
PSI	Bars	Lbs	Kgf
500	35	2,060	934
750	52	2,640	1,198
1,000	70	3,680	1,669
1,250	86	4,160	1,887
1,500	104	5,140	2,331



130mm Self-Centering Hydraulic Vise Jaws and Accessories

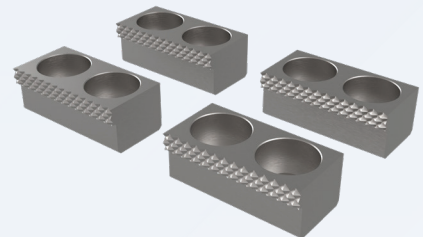
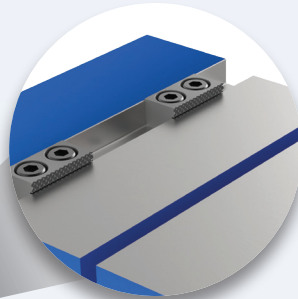
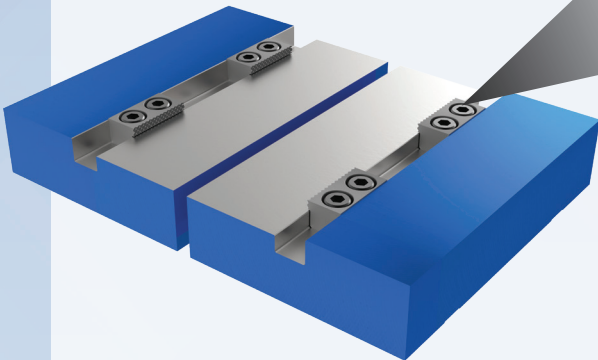
Soft Jaw Sets



- High strength aluminum with blue anodize finish or low carbon steel with black oxide finish
- Set includes 2 jaws

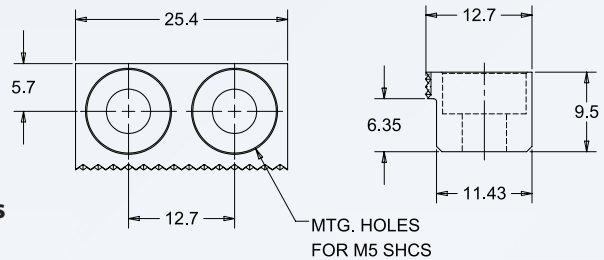
Part Number	A (mm)	B (mm)	C (mm)	D (mm)	Material
5CV13041-ASJ	130	74	26	12	Aluminum
5CV13041-SSJ	130	74	26	12	Steel

Jaw Insert Kit



*Aluminum soft jaws modified to accept serrated grippers

- Gripping inserts easily install in modified soft jaws
- Extra secure holding for raw material and first operations
- Set includes 4 serrated inserts and mounting screws (does not include soft jaws)
- Case-hardened steel



Part Number

5JISER1.0-KIT

130mm Self-Centering Hydraulic Vise Pump Kits



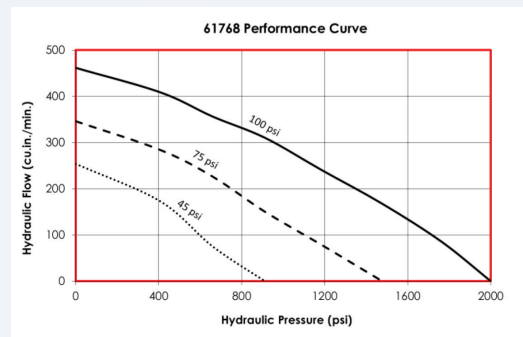
Manual Control Valve

Solenoid Control Valve

Jergens hydraulic pump kits serve as an ideal starter setup for powering 130mm self-centering hydraulic vises. They include everything needed to hookup and control a vise. The compact pumps can be mounted horizontally or vertically. Clamping action is controlled with a manual or solenoid zero leak valve. Clamping force can be adjusted with the included filter regulator. These kits are designed for powering single vise setups, for multiple vise applications please contact Jergens technical support.

Kits Include:

- 20:1 Air Powered Hydraulic Pump
- 4-Way Control Valve, Manual or Solenoid Actuated
- Hydraulic Hoses and Fittings
- Air Hose and Fittings
- Air Filter Regulator
- Hydraulic Oil



Pump Specifications	
Reservoir Capacity (in ³)	115
Minimum Air Input (psi)	20
Maximum Air Input (psi)	100
Boost Ratio	20:1
Maximum Hyd. Output (psi)	2000
Maximum Flow (in ³ /min.)	460
Weight - lbs (kg)	40 (18)

Part Number	Control Valve Tyle
61768-1-MAN	Manual
61768-1-24VDC	Solenoid - 24V DC
61768-1-120VAC	Solenoid - 120V AC



THE NEW STANDARD FOR HYDRAULIC VISE QUALITY AND PRODUCTIVITY



ENGINEERED FOR IMPROVED PART QUALITY AND CONSISTENT PERFORMANCE

Our hydraulic workholding is a highly-repeatable technology with high clamping force capability and consistent holding pressure. These unique vises feature steel bodies and internal hardened (low-friction process) components for even greater performance and enhanced durability, for predictable performance even in harsh environments. Only low operating pressures are needed which means these vises perform perfectly directly off of machine hydraulics. For flexibility, both Fixture Pro™ Quick Locating System (QLS) and industry-standard 96mm Quick-Loc™ mounting patterns are included in every vise.

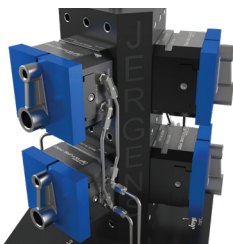


USING SPEED TO REDUCE SETUP TIME

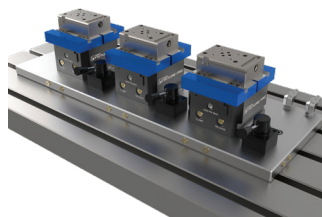
Jergens 130mm hydraulic vises offer users the ability to position the jaws just outside of the dimension of the workpiece to minimize travel when clamping. This, in combination with the speed of hydraulic workholding, reduces clamping and unclamping operations to about one second. The ease of use of these double-acting vises allows operators to repeat these time-saving operations, adding up to measurable productivity increases. Quick-change jaws – aluminum or steel soft jaws – and jaw inserts extend the range of holding options. Plumbing and lubrication ports are easily accessed for fast connection and routine maintenance.

ONE VISE, MANY USES

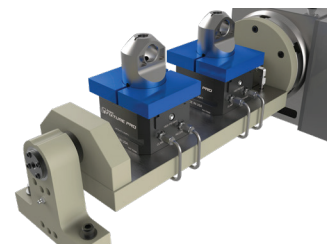
Jergens' hydraulic vise offers quick-change and secure part holding for multiple CNC machining applications including vertical, horizontal, rotary, 5-axis, and robotic setups.



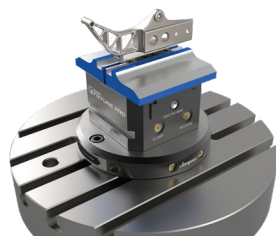
Horizontal Machining
Center Applications



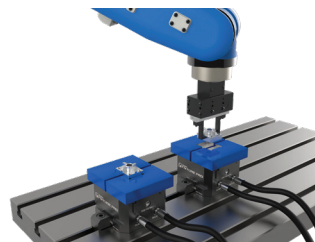
Vertical Machining
Center Applications



4th Axis Trunnion
Applications



5-Axis
Applications



Robotic / Automation
Applications



Jergens[®]

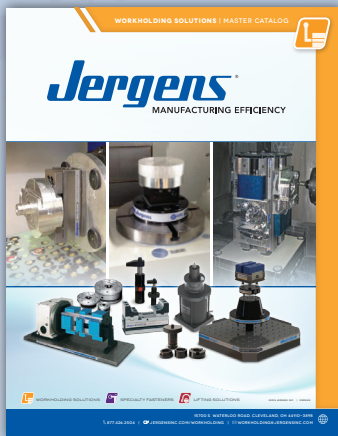
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