

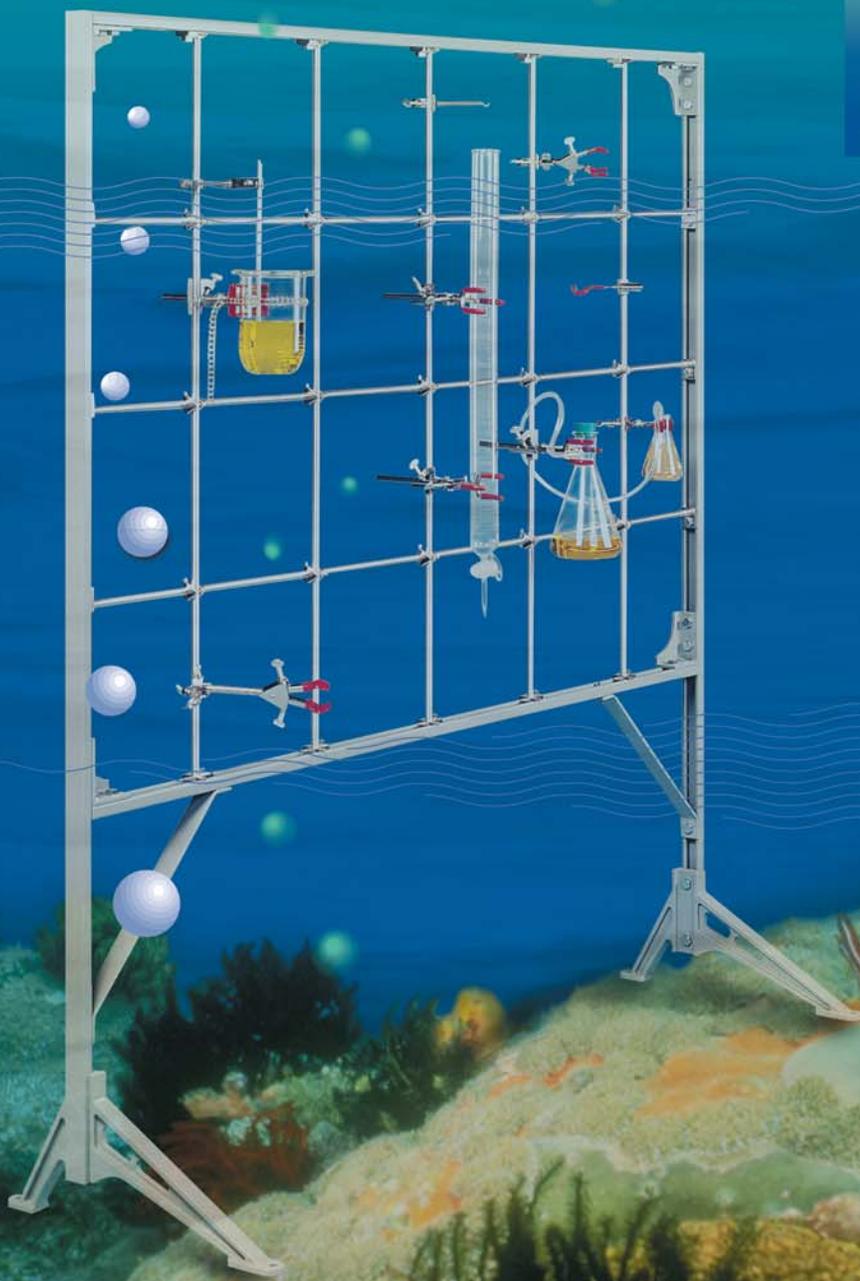
LABJAWS

Collection by

TROEMNER

Featuring our
Patented,
Revolutionary

ULTRAJAWS CLAMPS





Offering quality, versatility and an extensive selection

LabJaws™ offers the highest quality, most extensive and modern line of laboratory clamps, connectors, rods and accessories available anywhere in the world.

Labjaws features the unique closed yoke design of our patented UltraJaws™ clamps which minimizes internal contamination and corrosion. UltraJaws clamps are also designed for secure gripping of all types of glassware, including ground glass joints.

All of our clamps firmly grip laboratory apparatus, yet yield to gentle adjustments.

Combined with innovative designs and ergonomic features throughout the entire line of our products, LabJaws brilliantly bridges the past and the future of laboratory science.

Labjaws are built to last and offer extensive solutions to utilitarian and unique laboratory needs through a variety of product choices, flexibility and features.

- UltraJaws patented* by ISO 9001 company
- High tensile strength zinc-alloy construction
- Copper plated then nickel plated to resist corrosion
- Durable heavy duty springs and rivets
- Revolutionary and adaptable designs
- Highest quality manufacturing
- Modern look and feel
- Accurate adjustments, reliable grips
- Meets ASTM E784 specifications
- Extensive selection includes:
 - Multi-purpose clamps
 - Specialty clamps
 - Flow control devices
 - Frames and rods
 - Connectors

LabJaws are designed by **Troemner**, an international leader in the manufacture of precision weights and laboratory apparatus for the past century and a half.

* Date of patent August 2, 1994. Patent number 5334354

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Multi-Purpose Clamps — UltraJaws™



Our patented UltraJaws multi-purpose precision clamps are of the finest design and quality of any clamps found anywhere in the world. The innovative closed yoke construction minimizes contamination and corrosion of internal components. The unique design enables secure gripping and positioning that is not matched anywhere else.

UltraJaws multi-purpose clamps are available in a variety of designs.

Prong Adjustment - UltraJaws are available in both single and dual prong adjustment. Single adjust clamps are great for applications where there is limited space or limited adjustment is required. On single adjust clamps, one prong or finger is adjustable while the other prong remains stationary. Dual adjust clamps offer greater flexibility because both prongs adjust over a wider range. Large thumbscrews are provided with medium and large double adjust clamps for easier prong adjustment.

Size - UltraJaws are available in three sizes; small, medium and large with a maximum grip range of up to 10 cm.

All UltraJaws clamps are supplied with both non-slip vinyl as well as fiberglass prong covers. Fiberglass is recommended for temperatures above 100° C.

The prong height of the UltraJaws multi-purpose clamps make them ideal for use in holding and securing glassware with precision ground glass joints. The chart to the right details which clamps are recommended for ground glass joints.

Ground Glass Joint Reference Chart

Joint Size (mm)	Recommended UltraJaws
10/30	916113
12/30	916113
14/20	916113
14/35	916111
19/22	916113
19/38	916111
24/40	916113
29/42	916113
34/45	916113
45/50	916109

All UltraJaws Clamps are constructed with extension handles for easy attachment to laboratory lattice frames and other apparatus. The dimensions of the extensions are listed:

LabJaws Size	Clamp Extension Diameter (cm)	Extension Length (cm)
Small	0.80	10.2
Medium	1.27	12.7
Large	1.27	12.7

An additional holder must be purchased in order to attach UltraJaws clamps to a frame or other apparatus. See the Connectors section of this catalog.

Need a custom extension length? Call us with your special needs.



ULTRAJAWS — Three Prong Extension Clamps

Single Adjustment	Max. Grip Size (cm)	Overall Length (cm)	Prong Height (cm)	Catalog No.
Small	1.8	16.6	1.5	916114
Medium	4.3	23.0	3.5	916112
Large	5.9	26.6	4.7	916110
Dual Adjustment				
Small	2.8	15.6	1.4	916113
Medium	6.5	22.2	3.4	916111
Large	10.0	26.1	4.7	916109

- Fiberglass sleeve covers, included with every Multi-Purpose Clamp, provide protection of plastic sleeves above 100° C.
- Do not subject clamps to direct flame or constant temperatures above 150° C.

Multi-Purpose Clamps — LabJaws™

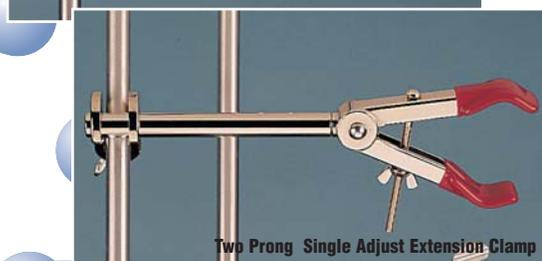
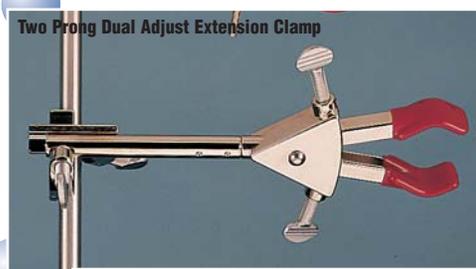
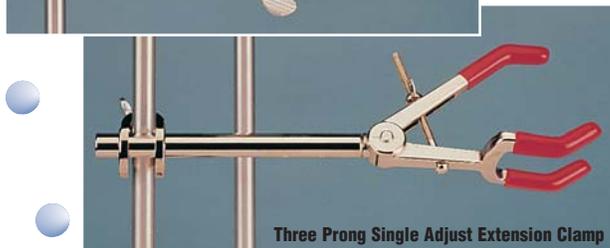
LabJaws Multi-Purpose Clamps are designed to securely hold every conceivable type of laboratory glassware and apparatus. The following are many options to consider when choosing the right clamp to suit your needs:

- Configuration: Extension, Swivel, or Fixed Position
- Prong construction: Two or three prong
- Prong adjustment: Single or dual adjustment

CONFIGURATION:

Extension clamps allow placement of apparatus at various distances from the frame. Extension clamps are constructed with round extension handles, which allow the extension clamps to be rotated 360 degrees, and can be easily attached to laboratory lattice frames and other apparatus.

LabJaws Size	Clamp Extension Diameter (cm)	Extension Length (cm)
Small	0.80	10.2
Medium	1.27	12.7
Large	1.27	12.7



An additional holder must be purchased in order to attach extension clamps to a frame or other apparatus. See the Connectors section of this catalog. Swivel and Fixed Position Clamps are other clamp configurations that can be found on the next page.

PRONG CONSTRUCTION:

Two prong clamps are ideal for holding straight-sided apparatus, such as burets, thermometers, beakers and flask necks. Three prong clamps are more versatile and have the added capability of holding irregularly shaped objects.

PRONG ADJUSTMENT:

LabJaws are available in both single and dual prong adjustment. Single adjust clamps are great for applications where limited jaw adjustment is required. Dual adjust clamps offer greater flexibility because both prongs are adjustable over a wider range. On single adjust clamps, one prong or finger is adjustable while the other prong remains stationary.

Large thumbscrews are provided with medium and large double adjust clamps for easier prong adjustment.

There are many sizes to accommodate every need, from micro uses to heavy-duty applications. Jaw openings, extension lengths and weight capacity vary according to size.

Need a longer extension for a special application? Custom extension lengths are available, contact us with your requirements.

Three Prong Extension Clamps

Single Adjustment	Max. Grip Size (cm)	Overall Length (cm)	Prong Height (cm)	Catalog No.
Small	2.8	14.8	2.1	916057
Medium	6.2	21.9	3.4	916055
Large	8.4	26.5	4.9	916053
Dual Adjustment				
Small	3.6	16.7	2.1	916056
Medium	5.8	22.9	3.5	916054
Large	9.3	27	4.8	916052

Two Prong Extension Clamps

Single Adjustment	Max. Grip Size (cm)	Overall Length (cm)	Prong Height (cm)	Catalog No.
Medium	6.5	21.5	2.4	916060
Large	8.0	23.3	2.4	916058
Dual Adjustment				
Medium	6.5	22.5	2.4	916061
Large	8.6	25.0	2.5	916059

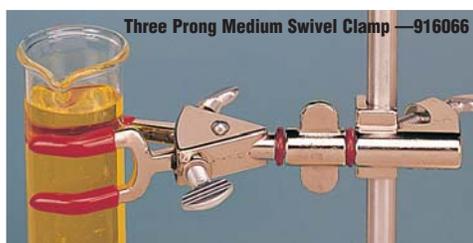
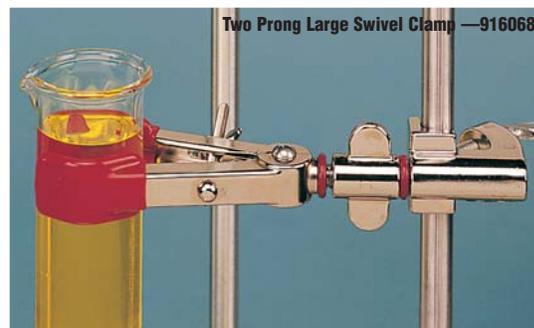
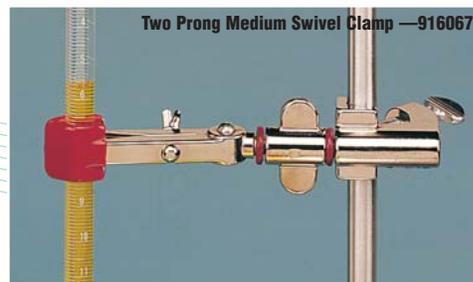
Multi-Purpose Clamps — LabJaws™

CONFIGURATION:

Swivel clamps are used to hold apparatus near the frame. Unlike the extension clamps, the swivel clamps have an integral holder for attaching to a lattice frame or other apparatus. The holding angle of swivel clamps is fully adjustable through 360 degrees of rotation and can be locked in place once desired position is achieved.

Swivel Clamps

Description	Max. Grip Size (cm)	Overall Length (cm)	Prong Height (cm)	Catalog No.
Two-Prong Medium	6.5	12.6	2.4	916067
Two-Prong Large	8.0	13.8	2.5	916068
Three-Prong Medium	6.5	14.3	3.5	916066

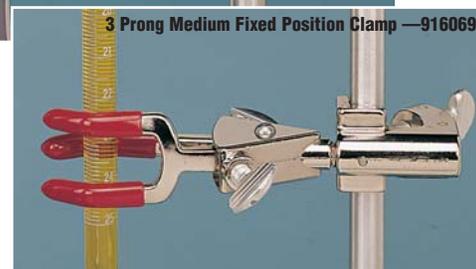
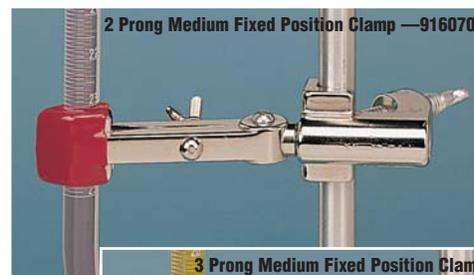


CONFIGURATION:

Fixed Position Clamps are used to hold apparatus near the frame where no adjustment is required after set up. Fixed position clamps have an integral holder but can not be rotated after attachment to a lab frame or other apparatus.

Fixed Position Clamps

Description	Max. Grip Size (cm)	Overall Length (cm)	Prong Height (cm)	Catalog No.
Two-Prong Medium	6.5	9.5	2.4	916070
Three-Prong Medium	5.8	10.7	3.5	916069



Thumbscrew Knob

Catalog No. 915043

6.3 cm diameter knob with 3.1 cm slot in the center that will accept thumbscrews supplied with the UltraJaws and Labjaws multi-purpose clamps. Makes tightening of clamps easier on the hands and wrists.



Do not subject clamps to direct flame or constant temperatures above 150° C.

Specialty Clamps — LabJaws™

LabJaws Specialty Clamps incorporate innovative design features to meet your unique needs. Our Specialty Clamps are designed for your specific applications, and we offer the widest, most versatile selection available.



Chain Clamp — 916072, 916129

Chain Clamp

Catalog No. 916072

Large Chain Clamp

Catalog No. 916129

Quick and secure slip-on chain connection with large easy-to-turn adjusting knob. Holds apparatus firmly but gently in place at any angle.

- Accommodates large round or irregular shaped objects
- Small Chain Clamp holds up to 17 cm diameter object
- Large Chain Clamp holds up to 28 cm diameter object
- 14.2 cm extension arm

Column Clamp

- Ideal for large cylindrical glassware and similar objects
- Stainless steel construction
- Available in four sizes
- Holds 64 mm to 165 mm apparatus
- 18 cm extension arm



Column Clamps — 916188 thru 916191

Column Clamp

Diameter, (mm)	Catalog No.
64 - 89	916188
95 - 114	916189
121 - 140	916190
140 - 165	916191

Wall Clamp

Catalog No. 916081

- 5.8 cm long
- Self-tapping screw allows mounting directly to wall
- Holds 5 mm to 10 mm diameter thermometer or other glass apparatus



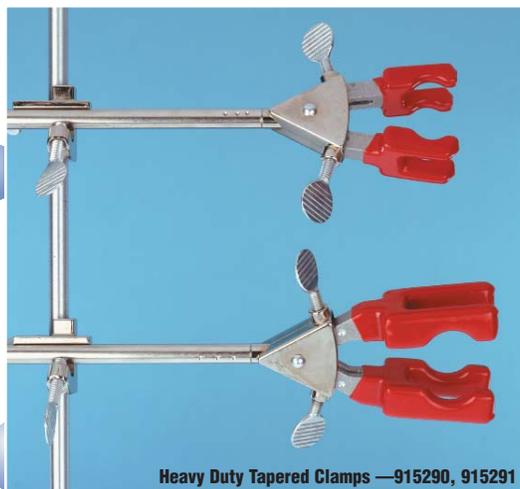
Wall Clamp — 916081

Heavy Duty Tapered Clamp

Heavy Duty 4 prong double adjust clamps are designed to hold large vessels with ground glass joint necks. The small clamp can hold up to a size 24/40 joint. The large clamp can hold up to a size 34/45 joint. Extension length on both clamps is 22.8 cm.

Heavy Duty Tapered Clamp

Description	Max. Joint Size (mm)	Overall Length (cm)	Catalog No.
Small	24/40	35.2	915290
Large	34/45	38.0	915291



Heavy Duty Tapered Clamps — 915290, 915291

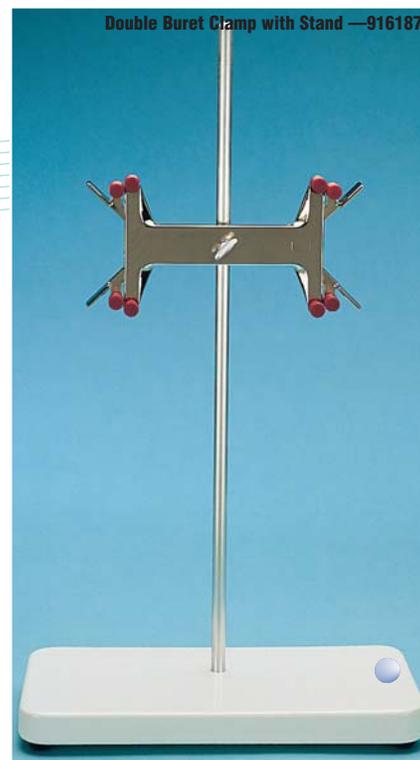
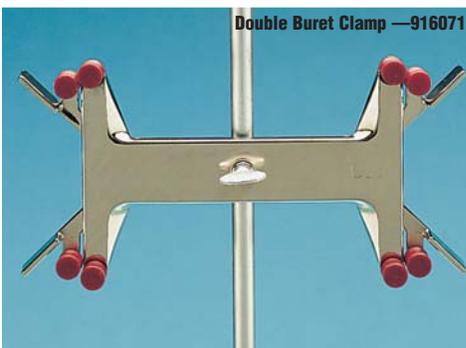
Specialty Clamps — LabJaws™

Double Buret Clamps

Hold one or two burets from micro size to 100 ml. Scissors-like mechanism adjusts simply with a squeeze, yet grips firmly. Attaches to standard support rod or frame with built-in hook connector. Optional porcelain base available below.

Double Buret Clamp

Max. Grip Size (ml)	Jaw Type	Catalog No.
100	Spring	916071



Buret Clamp Stand

Catalog No. 916186

White porcelain base, 34 cm x 18 cm, supports 60 cm high aluminum rod.

Double Buret Clamp With Stand

Catalog No. 916187

This item is 916071, Double Buret Clamp, and Buret Clamp Stand, 916186, supplied in one package.



Nester Extension Clamp

Catalog No. 916192

- Securely holds distillation columns and odd-shaped glassware.
- Holds 3.8 cm to 10.2 cm apparatus



Kettle Cover Clamps

- Holds flask and cover together firmly
- 3 insulated spring-activated clamping arms
- Stainless steel springs

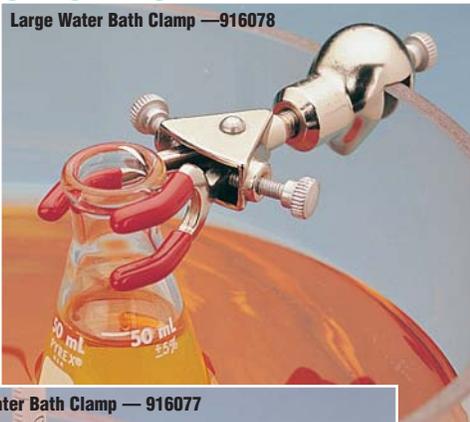
Kettle Cover Clamps

Flask Size	Catalog No
1000 ml	971065
4000 ml	971066



Specialty Clamps — LabJaws™

Large Water Bath Clamp — 916078



Large Water Bath Clamp

Catalog No. 916078

Holds a variety of apparatus, including glass tubes and thermometers, on glass water bath walls of varying thickness.

- For 5 mm to 9 mm bath walls
- Maximum grip size is 3.3 cm
- Overall length is 9.3 cm
- Holds irregular-shaped objects

Small Water Bath Clamp

Catalog No. 916077

- For up to 9 mm glass water bath walls
- Knurled thumbscrew tightens jaws to hold objects firmly
- Overall length is 6.4 cm
- Holds 6 mm to 13 mm diameter thermometer

Thermometer Swivel Clamp

Catalog No. 916075

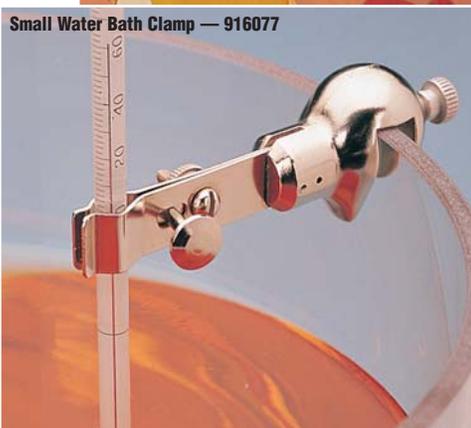
- Adjust to any angle
- Overall length is 12.2 cm
- Holds 6 mm to 13 mm diameter thermometer or other glass apparatus

Thermometer Extension Clamp

Catalog No. 916076

- Extension length is 12.5 cm
- Knurled thumbscrew tightens jaws to hold objects firmly
- Overall length is 21 cm
- Holds 6 mm to 13 mm diameter thermometer or other glass apparatus

Small Water Bath Clamp — 916077



Thermometer Swivel Clamp — 916075



Thermometer Extension Clamp — 916076



Replacement Sleeves — 916115 - 916124



Replacement Sleeves for Clamps

Clamp Size/Style	Vinyl Sleeve	Fiberglass Sleeve
	Catalog No./2 Pack	
Medium Two-Prong	916115	916116
Large Two-Prong	916117	916118
	Catalog No./3 Pack	
Small Three-Prong	916119	916120
Medium Three-Prong	916121	916122
Large Three-Prong	916123	916124

Specialty Clamps — LabJaws™

Electrode Support Clamp

Catalog No. 916079

- Permits suspension of electrodes at any angle.
- 14.7 cm long
- Designed with an integral holder which accepts up to 2.1 cm diameter rod

Suspension Clamp

Catalog No. 916080

- Holds thermometers, potash bulbs, drying tubes and other apparatus
- 10 cm long
- Designed with an integral holder which accepts up to 2.1 cm diameter rod

Support Clamp

Catalog No. 916074

- Supports tubing and other apparatus
- 10 cm long
- Designed with an integral holder which accepts up to 2.1 cm diameter rod

Double Jaw Utility Clamp

Catalog No. 916073

- Swivels 360°
- Locks securely in desired position
- Holds two different sized objects: 6.5 cm maximum grip on small two prong and 8.0 cm maximum grip on large two prong

Support Plate

Catalog No. 916206

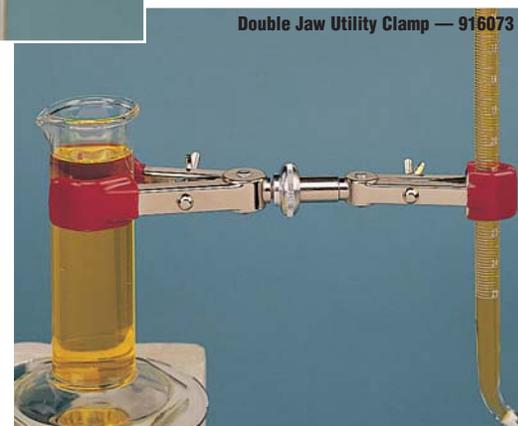
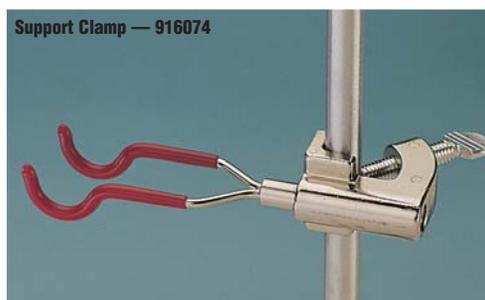
- For supporting beakers, mantles and Petri dishes
- 15.5 cm diameter
- Aluminum support plate

Open Rings

For supporting funnels and boiling flasks, open rings allow items easily to pass in and out of support.

- Arm length is 5.7 cm
- Three sizes available
- Holds 7.6 cm to 12.7 cm apparatus
- Rod arm is 1.27 cm diameter

Open Rings	
Diameter (cm)	Catalog No.
7.6	916208
10.2	916209
12.7	916210



Frames and Rods — LabJaws™



LabJaws offers the most complete choice of standard and custom frames and rods in the world. Corrosion-resistant frames and rods are available in aluminum, fiberglass and stainless steel.

Individual rods are available in standard lengths from 4 cm to 244 cm. Standard lab frame sets are available in five sizes (61 x 61 cm, 122 x 61 cm, 122 x 122 cm, 122 x 183 cm, 183 x 198 cm) along with a special chromatography lab frame set and are prepackaged with feet, connectors and rods. May be mounted vertically or horizontally. Combined with LabJaws accessories, these frames and rods can be adjusted to fit any need.

Custom lab frame designs are available to meet your exacting requirements. Depend on LabJaws for your custom mounting and sizing needs. Simply contact us for personal design and fabrication assistance.

- 1.3 cm diameter rods
- Chamfered ends for easy location and smooth fit
- 6 standard lab frame sets
- Your choice of aluminum, fiberglass and stainless steel



Channel Connector

Catalog No. 916130

- Special connector fastens lab frame rod to steel channels
- Loosen the connector or slide up or down for easy adjustment of rod position

Lab Frame Rods

Length (cm)	Length (inches)	Catalog No. Aluminum	Catalog No. Fiberglass	Catalog No. Stainless Steel
4	1-5/8	916140	916151	916162
5	2	916141	916152	916163
15	6	916142	916153	916164
31	12	916143	916154	916165
46	18	916144	916155	916166
61	24	916145	916156	916167
91	36	916146	916157	916168
122	48	916147	916158	916169
153	60	916148	916159	916170
183	72	916149	916160	916171
244	96	916150	916161	916172



Rod not included

Lab Frame Foot

Catalog No. 916132

- For mounting rods to countertops, floors, walls
- Low profile design
- Supplied with 3 screws



Horizontal Mounting Bars-With Coupler

- Features threaded end for direct installation into channels
- Comes with channel coupler for use in both regular and short form steel channels
- Locking nut included

Horizontal Mounting Bars-With Coupler

Length (cm)	Length (inches)	Catalog No.
5.1	2	916135
10.2	4	916136
15.2	6	916137
20.3	8	916138

Frames and Rods — LabJaws™

Small Lab Frame

Ideal for small setups where space is limited. Frame measures 61 cm x 61 cm (24 in x 24 in). Frame consists of 8 - 5 cm rods, 2 - 46 cm rods, 8 - 61 cm rods, 18 - "S" Connectors, 4 - Rod end Connectors, and 4 - Lab Frame Feet.

Medium Lab Frame

Convenient for distillation and general setups. Frame measures 61 cm x 122 cm (24 in x 48 in). Frame consists of 8 - 5 cm rods, 2 - 46 cm rods, 5 - 61 cm rods, 2 - 91 cm rods, 4 - 122 cm rods, 24 - "S" Connectors, 4 - Rod end Connectors, and 4 - Lab Frame Feet.

Large Lab Frame

Complex glassware setups easily accommodated. Can be mounted on the floor. Frame measures 122 cm x 122 cm (48 in x 48 in). Frame consists of 10 - 5 cm rods, 3 - 46 cm rods, 2 - 91 cm rods, 10 - 122 cm rods, 38 - "S" Connectors, 4 - Rod end Connectors, and 6 - Lab Frame Feet.

Extra Large Lab Frame

For greatest versatility in most demanding setups. Frame measures 122 cm x 183 cm (48 in x 72 in). Frame consists of 6 - 5 cm rods, 6 - 31 cm rods, 2 - 61 cm rods, 7 - 122 cm rods, 5 - 183 cm rods, 45 - "S" Connectors, 4 - Rod end Connectors, and 8 - Lab Frame Feet.

Heavy-Duty Lab Frame

Strong, but lightweight frame for stable floor-mounted applications. Free standing unit is specifically designed for heavy duty work such as pilot plant set-ups or temporary lab space. Frame measures 183 cm x 198 cm (72 in x 78 in). Frame consists of an outside frame assembly made of lightweight but strong channel steel. Also contains 15 - "S" connectors, 16 - Channel Connectors, 5 - 122 cm rods, and 3 - 183 cm rods for constructing internal lab frame lattice.

Lab Frames

Size	Catalog No. Aluminum	Catalog No. Fiberglass	Catalog No. Stainless Steel
Small	916173	916193	916197
Medium	916174	916194	916198
Large	916175	916195	916199
Extra Large	916176	916196	916200
Heavy Duty	916178	916201	916202

Chromatography Lab Frame

Catalog No. 916177
Specifically for chromatography applications.

Specifically designed for use with chromatography cabinets. Frame measures 61 cm W x 61 cm L x 122 cm H (24 in x 24 in x 48 in). Frame consists of 8 - 61 cm rods, 4 - rod end connectors, 1 - end to end connector, 2 - "S" connectors, and 4 - Lab Frame Feet.

Medium Lab Frame— 916174,916194, 916198



Large Lab Frame— 916175,916195, 916199



Small Lab Frame— 916173,916193, 916197

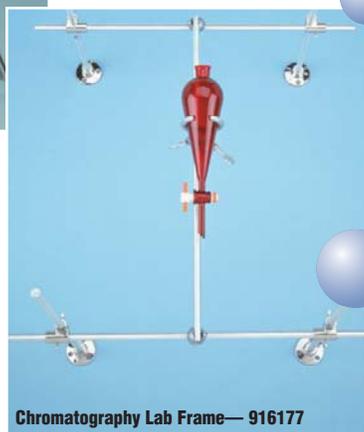


Extra Large Lab Frame— 916176,916196, 916200



Heavy Duty Lab Frame— 916178,916201, 916202

All lab frames can be floor or wall mounted.

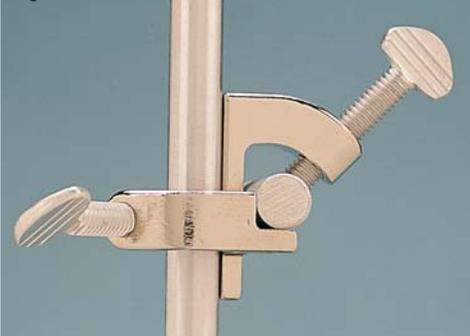


Chromatography Lab Frame— 916177

* Clamps pictured with lab frames are not included.

Connectors — LabJaws™

Regular Holder— 916051



LabJaws Connectors are strong and versatile, yet easy to clean. The variety of connectors available enable countless variations with the extensive line of other LabJaws products.

- Corrosion resistant
- Ensures precise fit
- Powerful holding ability

Regular Holder

Catalog No. 916051

- Used wherever clamping at 90° is required
- Holds clamps, lab frames and rods up to 1.6 cm diameter

Jumbo Holder

Catalog No. 916050

- For heavy-duty applications
- Quality aluminum construction for maximum grip strength
- Holds up to 2.2 cm rods

Multi-Rod Connector

Catalog No. 916131

- Maximum adjustment capability with one connector for rods and clamps up to 1.27 cm diameter
- Holds rods at 90° in both horizontal and/or vertical configurations

Jumbo Holder— 916050



Multi-Rod Connector— 916131



Swivel Holder— 916065



Swivel Holder

Catalog No. 916065

- Allows tilting of clamp at any angle in parallel planes
- May be reversed for inner or outer adjustment screw orientation
- Holds clamps and rods up to 2.1 cm in diameter

All Position Holder

Catalog No. 916085

- Permits adjustment at any angle, in any plane
- Surpasses standard holder capabilities
- Holds rods up to 2.1 cm in diameter

End-to-End Connector— 916133

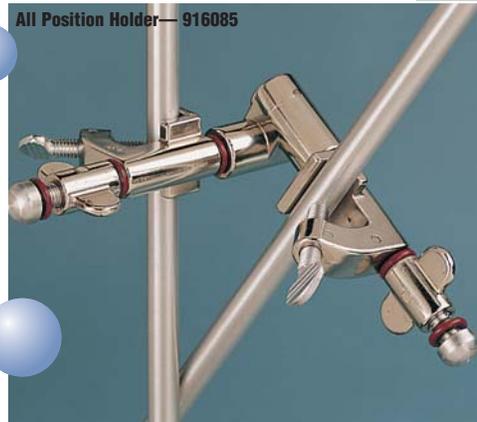


End-to-End Connector

Catalog No. 916133

- Allows length extension of clamps and rods
- Sturdy construction
- Holds rods up to 1.27 cm in diameter

All Position Holder— 916085



Connectors — LabJaws™

Hook Connector

Catalog No. 916128

- Easy to use
- Allows one-handed adjustment of rods

Lattice Connector

Catalog No. 916125

- Low profile
- Sturdy aluminum construction
- Allows rods to be held in cross-connection or perpendicular fashion
- Holds rods up to 1.27cm in diameter

Rod End Connector

Catalog No. 916126

- Holds rods or clamps firmly at 90°
- Used for semi-permanent installations
- Holds rods up to 1.27 cm in diameter

S Connector

Catalog No. 916127

- Ergonomic contouring for easy adjustment
- Allows maximum gripping of lab frames
- Holds rods up to 1.27 cm in diameter

Universal Stirrer Mounting Bracket

Catalog No. 916134

- Supports 2 kg or less
- Mounts apparatus to lab frames

LabJaws Wrench

Catalog No. 916139

- Adjusts all rod connectors
- Sturdy construction



Flow Control Devices — LabJaws™

Regular Hosecock — 916062



LabJaws Flow Control Devices offer selection and quality. They are finely machined to deliver accurate regulation or interruption of fluid flow. Every flow control device resists corrosion and rust.

Hosecocks

Easy one-hand operation. Convex bearing surfaces and rounded edges protect tubing. Two sizes available

Hosecock Foot — 916063



Heavy Duty Hosecock — 916184



Regular Hosecock

Catalog No. 916062

- Adjustment screw with oversized head for accurate regulation
- Built in side lugs for foot mounting
- Tubing retainer screw
- For up to 1.7 cm tubing
- Available in three configurations
 - Regular Hosecock
 - Hosecock with foot
 - Hosecock extension
 - 14.5 cm extension arm

Heavy-Duty Hosecock

Catalog No. 916184

- For up to 2.8 cm tubing
- Large handwheel for ease of flow adjustment
- Unique design offers unparalleled control
- Works well with heavy duty nylon braided tubing

Hosecock Foot

Catalog No. 916063

- Add this option to 916062 for bench or table mounting.

Hosecock Extension Clamp

Catalog No. 916064

- Similar to regular hosecock but with 14.5 cm bottom mounted extension rod for attachment to rods

Hosecock Extension Clamp — 916064



Regular Pinchcock — 916082



Pinchcocks

Designed to quickly start and stop flow. Provide for complete closure without damaging tubing and operated with a simple squeeze. Available in three configurations that accommodate up to 1.2 cm tubing.

Variable Flow Pinchcock — 916084



Heavy Duty Pinchcock — 916083



Regular Pinchcock

Catalog No. 916082

- For routine stop/start flow operation

Variable Flow Pinchcock

Catalog No. 916084

- For precise flow adjustment and duplication of flow rates

Heavy-Duty Pinchcock

Catalog No. 916083

- Equipped with heavy-duty spring for tough jobs
- Ensures complete closure

Other Troemner Products & Services

Heavy Duty Support — 916204



Heavy-Duty Support

Catalog No. 916204

- 43 cm by 33 cm
- Supplied with one stainless steel rod (46 cm)

Shelf Grip Support

Catalog No. 916185

- Aluminum bracket has 4.3 cm clamp opening
- Accepts 1.3 cm rods

Lab Lifts

- Convenient high load capacity with safety locks
- Stainless steel top and bottom platform
- Over-sized knobs for smooth adjustment
- Level lifting action
- Four sizes

Shelf Grip Support — 916185



Lab Lifts

Model	Platform Size, (cm)	Vertical Lift, (cm)	Dimensions closed, (cm)	Maximum Load, kg	Catalog No.
Mini	8 x 8	5 - 12	5 x 8 x 8	8	960050
Standard	15 x 15	7 - 25	7 x 15 x 15	15	960051
Large	20 x 20	7 - 31	7 x 20 x 20	20	960052
Jumbo	31 x 31	13 - 50	13 x 31 x 31	65	960053

Airejector

Catalog No. 982001

- Rapid air removal - evacuates liter of air to 28 inches of vacuum in 30 seconds
- Works with compressed air sources to 60 psi
- Sturdy brass construction
- Bronze ball valve

Lab Lifts — 960050, 960051, 960052, 960053



Airejector — 982001



Troemner Locations, Contacts & Communications

Troemner was founded over 160 years ago in 1838 by Henry Troemner. The company started as a manufacturer of scales and weights in Philadelphia. Today, Troemner is an ISO 9001 registered company and is the world's leading supplier of precision weights, mass standards, clamps and other laboratory equipment including hotplates, stirrers, shakers, vortexers, and block heaters. A line of safety products and a small chemical line round out the product offering.

Troemner manufactures and certifies weights that meet or exceed the highest tolerance standards of the American Society for Testing and Materials (ASTM) and the International Organization of Legal Metrology (OIML). Since 1995, Troemner's laboratories have been accredited by the United Kingdom Accreditation Service (UKAS) and the National Voluntary Laboratory Accreditation Program (NVLAP) which is sponsored and administered by the National Institute of Standards and Technology (NIST). Troemner offers either NIST/NVLAP or UKAS certification for precision weights.



Troemner's strong background in both metrology and mass calibrations made the decision to transition into another calibration discipline an easy one. Troemner is currently the only company in the United States accredited by NIST/NVLAP for pipette calibrations. Our highly trained technicians perform calibrations on any manufacturers' pipettes and provide the necessary certification needed to meet GLP, GMP, FDA or other requirements. Troemner also provides NIST/NVLAP accredited density determination for one-piece weights and magnetic susceptibility testing for any weight or weight set. Soon, Troemner will be offering calibration services in the areas of thermal mass flow, temperature, humidity, pressure, time and frequency.

Our current facility (shown above) houses all manufacturing, calibration, warehousing, customer service and office staff. The 47,000 square foot facility opened in May 1999 and is located just outside of Philadelphia, Pennsylvania. With room for growth the facility is ready to meet Troemner's needs for the future.

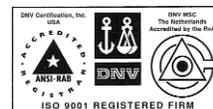
Thank you for your interest in Troemner. Please contact us for more information by phone, fax, via e-mail at troemner@troemner.com or visit our website at <http://www.troemner.com>.

TROEMNER

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