

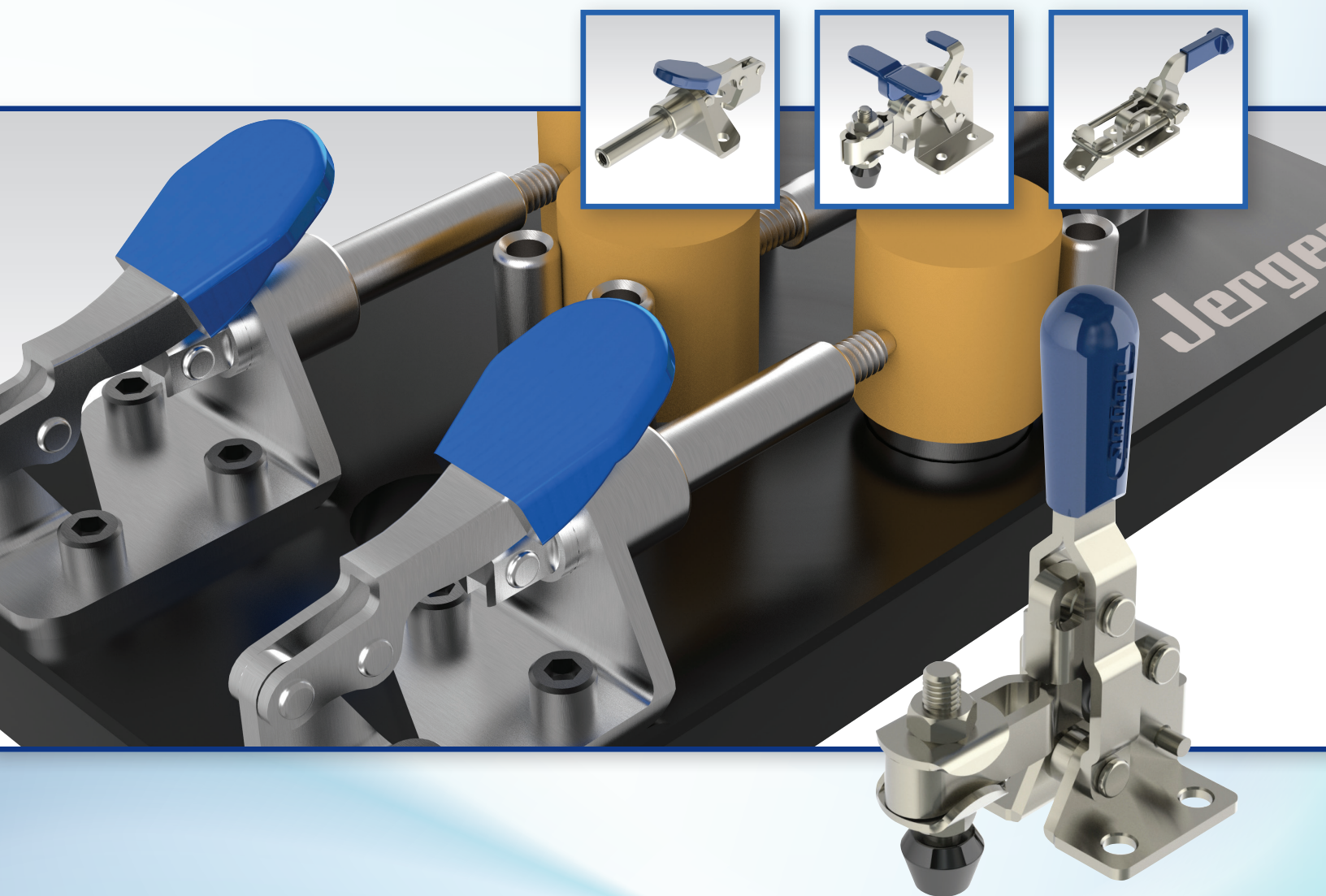


Jergens

TRUE-LOK™

TOGGLE CLAMPS

RIGHT CLAMP. RIGHT VALUE. TRUE-LOK.



WORKHOLDING SOLUTIONS | SPECIALTY FASTENERS | LIFTING SOLUTIONS

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Jergens®
MANUFACTURING EFFICIENCY



JERGENS COMPANY PROFILE



Jergens Inc. was founded in 1942 by Jack Schron, Sr. and his father Christy, to provide standard components for building jigs and fixtures. Today the fourth generation of family involvement continues stronger than ever. Throughout its 75-year history the company has grown into four separate operating divisions: Tooling Component Division (TCD), Jergens Industrial Supply (JIS), Acme Industrial Company (AIC), and Advanced Systems Group (ASG) Division of Jergens. While all divisions are vital to the Jergens family, the TCD Division is the centerpiece of our manufacturing capabilities. In June 1999, Jergens moved into a new 110,000 square foot facility and prides itself by manufacturing over 80% of its product offering, as well as setting the standard for producing the highest quality components in our industry.

Jergens Tooling Component Division comprises three distinct business units: Workholding Solutions, Lifting Solutions and Specialty Fasteners. Building on its reputation of uncompromising quality standards, Jergens is committed to helping its customers achieve leaner, more profitable manufacturing, and continues to add products and engineered solutions for an integrated approach to "Manufacturing Efficiency."

Today, you'll find our tooling components, fasteners and hoist rings at work in just about every industry on every continent. And our innovative Quick Change Workholding Solutions like Ball Lock® Mounting System, Fixture-Pro® 5-Axis Workholding and Zero Point Systems have changed the way manufacturers worldwide think about productivity.

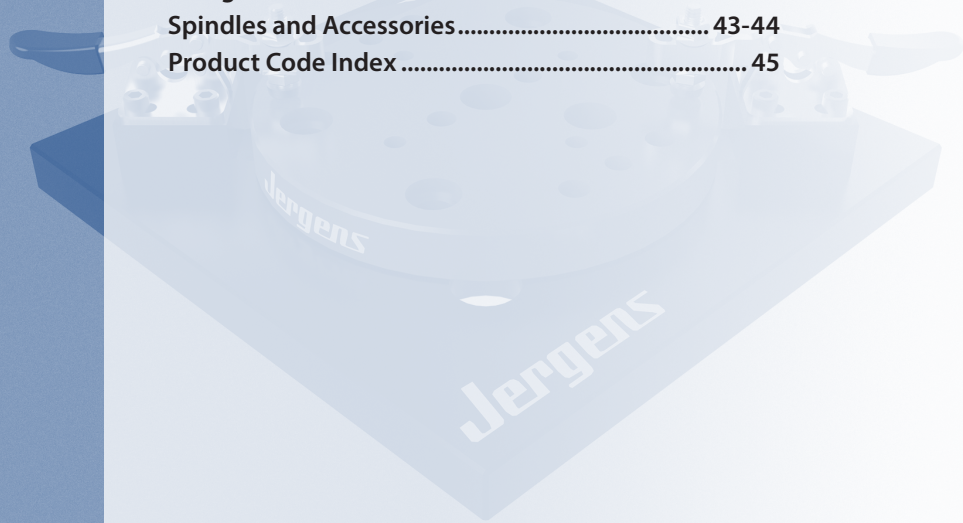
Jergens actively supports global, multinational and internationally based customers with metric dimensioned product offerings as well as many inch threaded products that are common in aerospace and industrial applications around the world. In important manufacturing markets in Canada, Europe, Asia and Latin America, Jergens representatives and stocking distributors have represented Jergens for more than 30 years. Our international representatives are trained technically on our products and provide expertise to customers and sub dealers in applying Jergens technologies to local industries. In recent years, two wholly owned affiliates were formed to serve the Chinese and Indian markets. Jergens (Shanghai) Commercial Co., Ltd, opened in 2006 and Jergens India Private Ltd., Navi Mumbai India opened in 2009. These fully registered trading subsidiaries employ trained multi-lingual engineers and commercial managers who provide marketing and importing, warehousing, distribution and technical support to our customers, distributors and local representatives.

Additionally, we offer a wide range of metalworking tools, clamps, and supplies to manufacturers in Northeastern Ohio, through our JIS Division. Acme Industrial, located in Carpentersville, Illinois, is a premium manufacturer of precision drill bushings and keylocking thread inserts. Our ASG Division specializes in products for light assembly ranging from torque-controlled electric screwdrivers to automation systems.

In addition to our unique product designs, we lead the industry with unparalleled customer service and delivery. Our website is a good example of our commitment to be the most innovative company in our industry. Customers and distributors can check stock and order on-line, view the Jergens catalog, and even download 2D, 3D and solid model CAD drawings in a variety of formats. Visit our website at www.jergensinc.com for the latest news and product information, as well as links to our other divisions. The Jergens family thanks you for your business.

Toggle Clamps

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Introduction

What is a Toggle Clamp?

A toggle clamp is a simple mechanism which holds instantly. Toggle clamps consist of a handle to operate, a clamping arm to reach the work piece, linkages for multiplying the applied force, and a base for mounting. When the handle is moved by the operator it generates movement in the clamping arm to hold the work piece. A required clamping force is achieved and exerted on the work piece. Under this action the toggle clamp holds the work piece firmly and positively.

Toggle Action Force Factors:

Holding Capacity:

The holding capacity mentioned for each clamp refers to the maximum force, which the clamp can withstand after being over-centered without damage to the clamp and without the toggle unlocking due to distortion of the clamp.

The over-center dimension is carefully chosen in relation to the elasticity of the clamp to maximize clamping force while ensuring that the clamp locks closed even under vibration or intermittent loading.

Clamping Force:

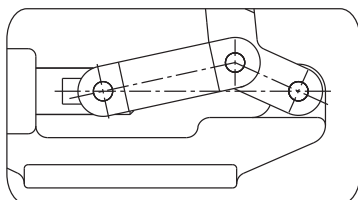
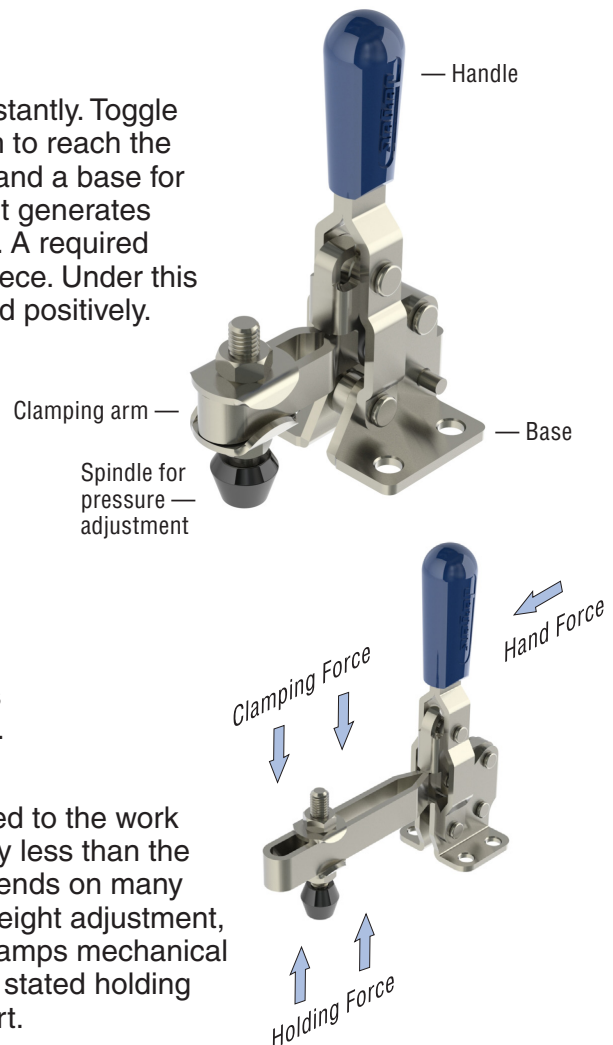
Clamping force, the amount of force actually applied to the work piece by closing and locking the clamp, is generally less than the stated holding capacity. Actual clamping force depends on many factors including spindle position, proper spindle height adjustment, spindle cushioning, work piece material and the clamps mechanical advantage. In most cases, roughly one third of the stated holding capacity can be applied by hand with medium effort.

Toggle Principle:

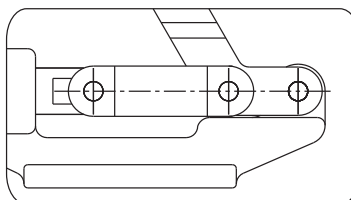
Toggle action clamps operate through a linkage system of levers and pivots. The fixed length levers, connected by pivot pins supply the action and clamping force. Toggle action has an over center lock point which is a fixed stop and linkage. Once in the over center position, the clamp cannot move or unlock unless the linkage is moved. All types of toggle clamps have the same action, just oriented differently.

The Toggle Mechanism in a clamp has three functions.

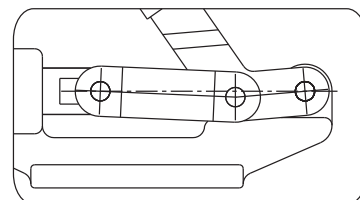
- 1) To multiply applied load at the handle into a high clamping force to hold the work piece.
- 2) To create an over - center lock to prevent the clamp from opening and releasing the work piece until opened by the operator.
- 3) To rapidly open and close the clamp giving a maximum clearance in which to load and unload the work piece.



Unclamped Position

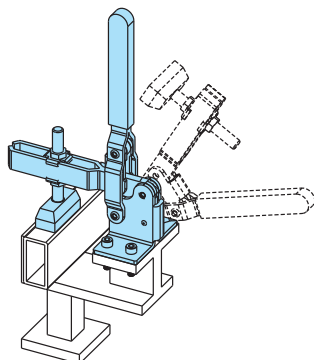


Center Position



Over-center, Clamped Position

Types of Toggle Clamps

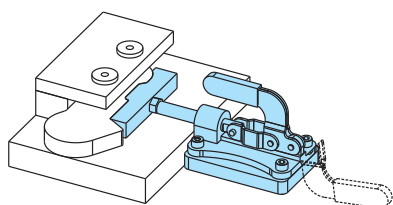
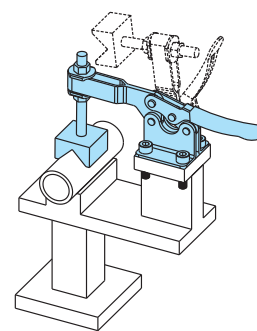


Vertical Hold Down Action:

As the name implies clamps of this type hold the work piece with a downward clamping action. These clamps are manufactured with a holding capacity up to 1,200 lbs. The clamp exhibits a minimum of 90° opening angle giving full clearance for loading and unloading of workpiece. Clamping arm can be solid bar, U-shaped or fixed hole to suit individual requirements.

Horizontal Hold Down Action:

The holding action of these types of toggle clamps is the same as vertical hold down clamps. The outstanding characteristic is the low height design. Unlike the handle and the clamping bar of the vertical type, these parts of the horizontal clamps move in opposite directions. The holding capacities range up to 760 lbs. The clamping arm can be solid bar, U-shaped or fixed hole type.

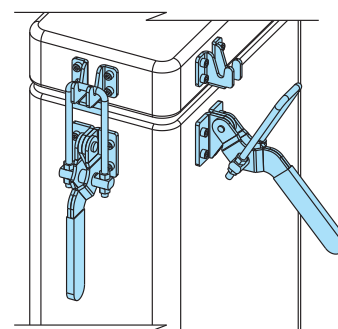


Straight Line Action:

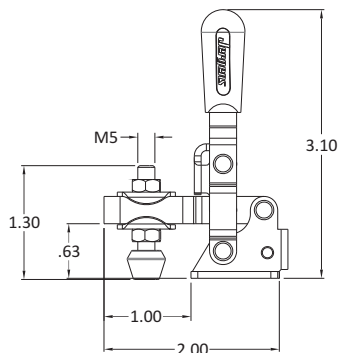
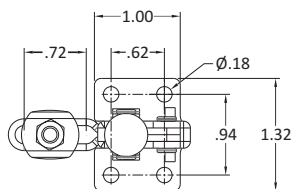
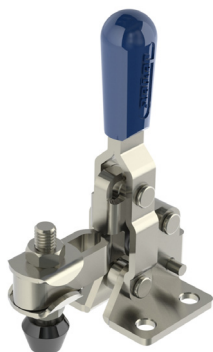
The straight line action toggle clamps design uses a straight-line or push/pull, toggle clamping action. The push/pull handle is easy to operate and moves the plungers of the clamp in and out along its axis. Most of these clamps can be locked in two positions, allowing you to use them as either push or pull clamps. These clamps are manufactured in a variety of models to accommodate a wide range of load ratings up to 2,500 lbs.

Pull Action Clamps:

Jergens pull action clamps are designed for sealing chambers, doors, mold closures or other such applications requiring closure mechanisms. The handle can be moved to place the clamping U-Bolt or hook around the opposing latch then pulled down to reach the locked position. The threaded “hook” or “U-Bolt” type bars offer an adjustment feature. The clamps can withstand loads ranging up to 7,700 lbs.



Hold Down Vertical

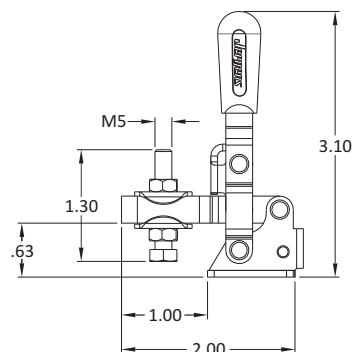
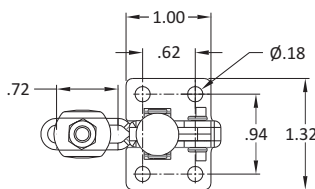


Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70000	Flanged	Adjustable U-Bar	60°	110°	112 lbs (0.5 kN)*	0.2 lbs (0.09 kg)

*applies to U-Bar position closest to handle

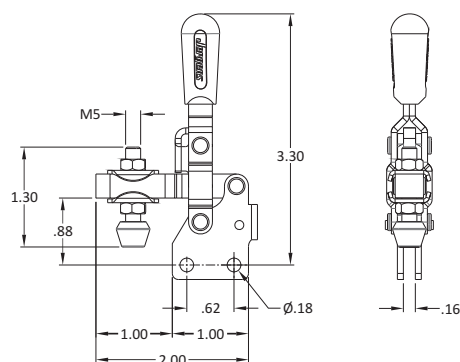
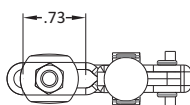
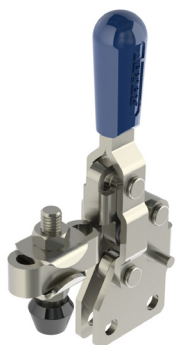


Stainless Steel



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70000-SS	Flanged	Adjustable U-Bar	60°	110°	112 lbs (0.5 kN)*	0.2 lbs (0.09 kg)

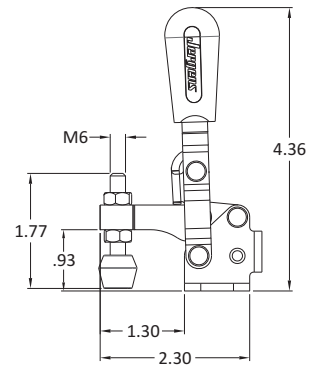
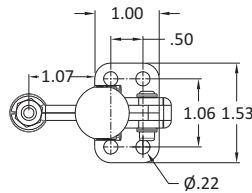
*applies to U-Bar position closest to handle



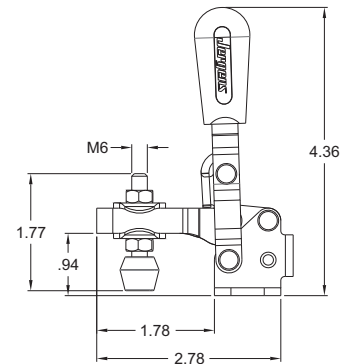
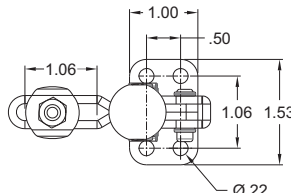
Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70001	Straight	Adjustable U-Bar	60°	110°	112 lbs (0.5 kN)*	0.2 lbs (0.09 kg)

*applies to U-Bar position closest to handle

Hold Down Vertical



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70002	Flanged	Solid	64°	104°	140 lbs (0.62 kN)	0.33 lbs (0.15 kg)

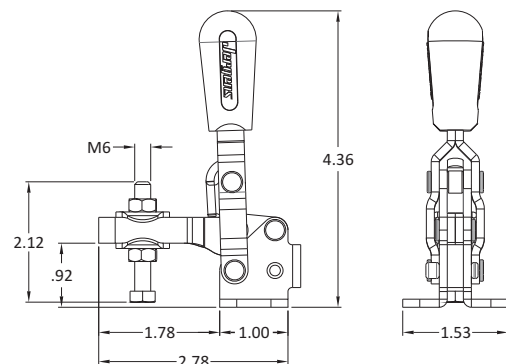
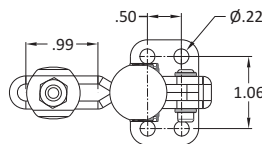


Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70003	Flanged	Adjustable U-Bar	64°	104°	225 lbs (1.00 kN)*	0.35 lbs (0.16 kg)

*applies to U-Bar position closest to handle



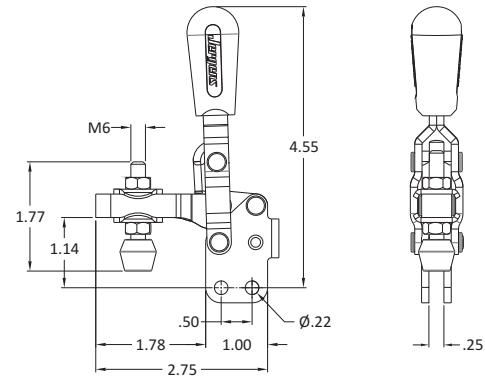
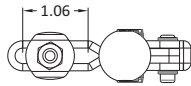
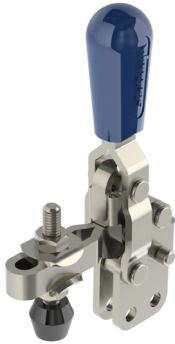
Stainless Steel



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70055-SS	Flanged	Adjustable U-Bar	64°	104°	225 lbs (1.00 kN)*	0.35 lbs (0.16 kg)

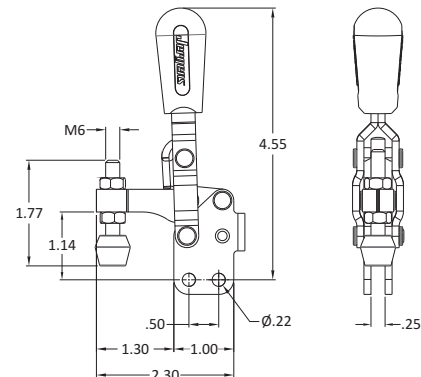
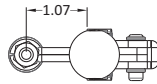
*applies to U-Bar position closest to handle

Hold Down Vertical

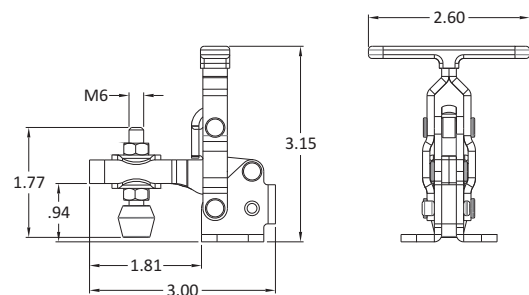
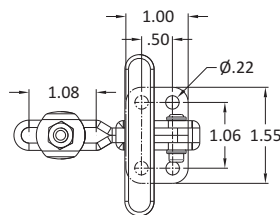
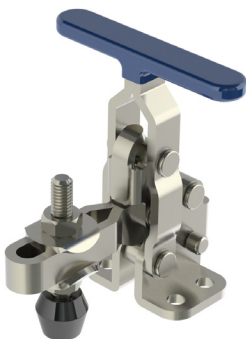


Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70004	Straight	Adjustable U-Bar	64°	104°	225 lbs (1.00 kN)*	0.35 lbs (0.16 kg)

*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70005	Straight	Solid	64°	104°	140 lbs (0.62 kN)	0.33 lbs (0.15 kg)

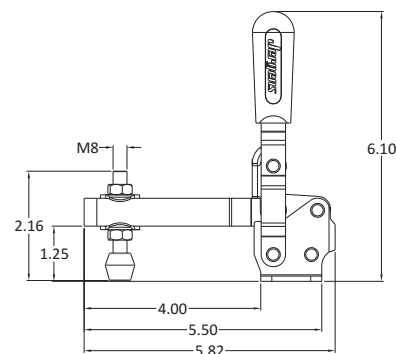
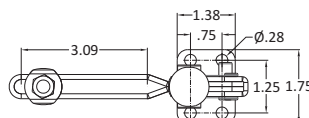


T-Handle

Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70121	Flanged	Adjustable U-Bar	64°	104°	225 lbs (1.00 kN)*	0.35 lbs (0.16 kg)

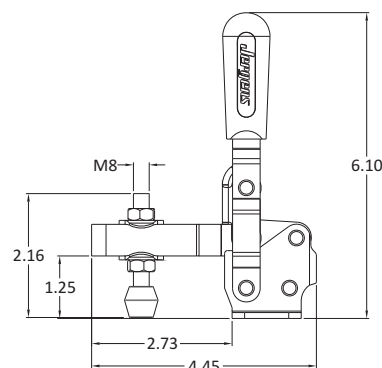
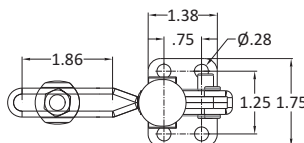
*applies to U-Bar position closest to handle

Hold Down Vertical



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70006	Flanged	Adjustable Long U-Bar	62°	115°	337 lbs (1.50 kN)*	0.75 lbs (0.34 kg)

*applies to U-Bar position closest to handle

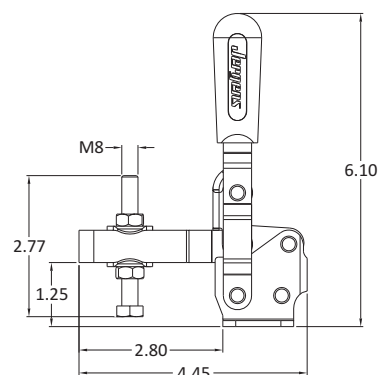
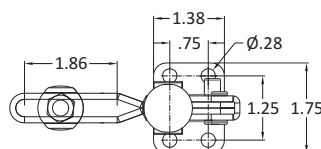


Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70007	Flanged	Adjustable U-Bar	62°	115°	382 lbs (1.70 kN)*	0.66 lbs (0.30 kg)

*applies to U-Bar position closest to handle



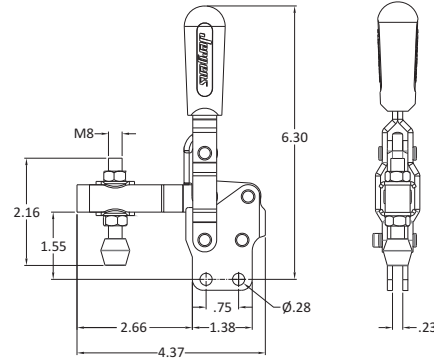
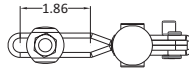
Stainless Steel



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70007-SS	Flanged	Adjustable U-Bar	62°	115°	382 lbs (1.70 kN)*	0.66 lbs (0.30 kg)

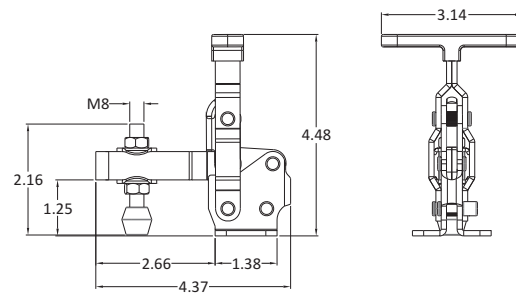
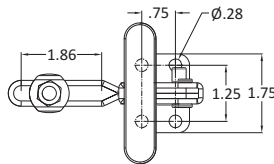
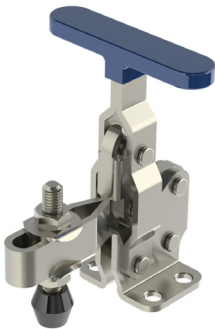
*applies to U-Bar position closest to handle

Hold Down Vertical



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70008	Straight	Adjustable U-Bar	62°	115°	382 lbs (1.70 kN)*	0.66 lbs (0.30 kg)

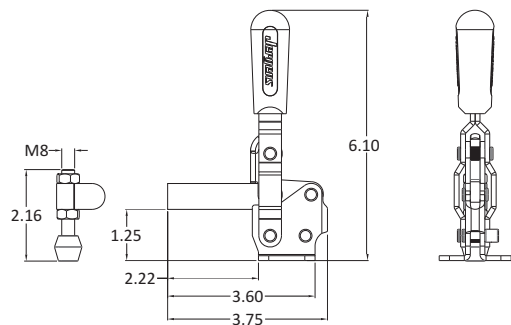
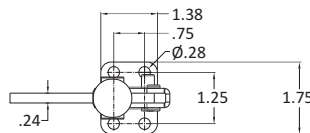
*applies to U-Bar position closest to handle



T-Handle

Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70009	Flanged	Adjustable U-Bar	62°	115°	382 lbs (1.70 kN)*	0.66 lbs (0.30 kg)

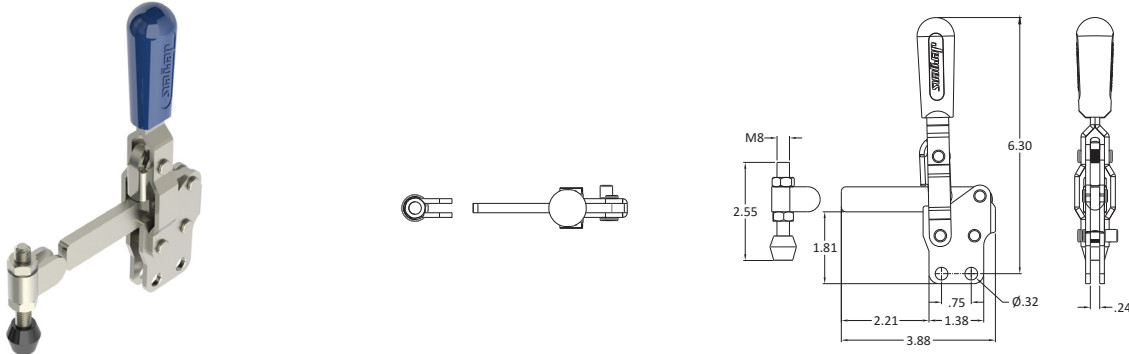
*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70010	Flanged	Solid	62°	115°	472 lbs (2.10 kN)*	0.70 lbs (0.315 kg)

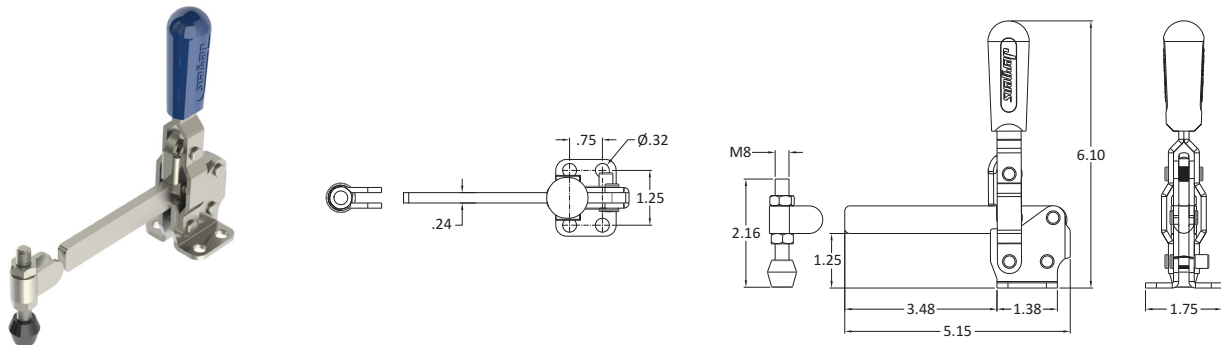
*applies to U-Bar position closest to handle

Hold Down Vertical



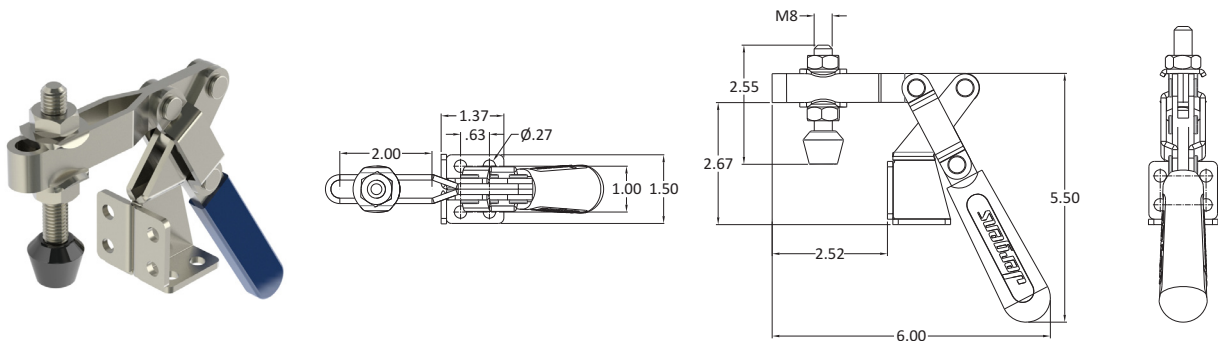
Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70122	Straight	Solid	62°	115°	472 lbs (2.10 kN)*	0.66 lbs (0.30 kg)

*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70123	Flanged	Solid	62°	115°	450 lbs (2.00 kN)*	0.75 lbs (0.34 kg)

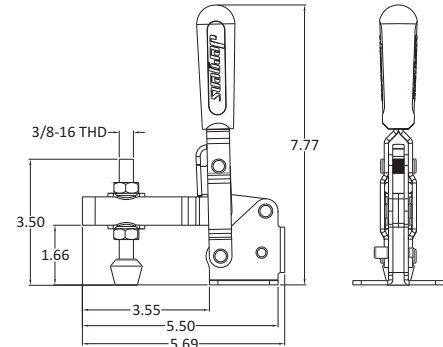
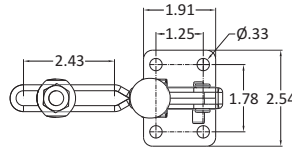
*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70017	Flanged	Adjustable U-Bar	60°	185°	382 lbs (1.70 kN)*	0.80 lbs (0.36 kg)

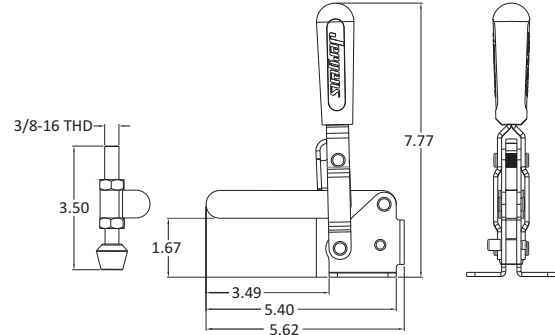
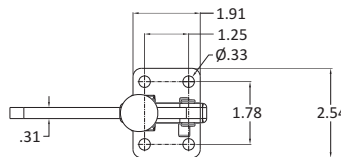
*applies to U-Bar position closest to handle

Hold Down Vertical



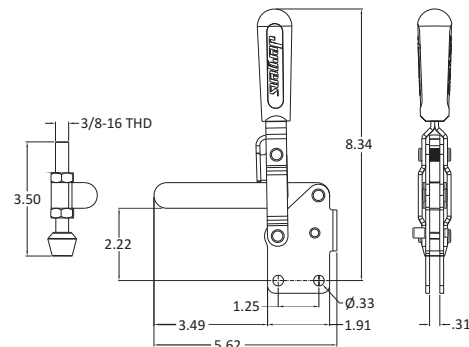
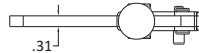
Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70011	Flanged	Adjustable U-Bar	58°	106°	600 lbs (2.70 kN)*	1.30 lbs (0.59 kg)

*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70012	Flanged	Solid	58°	106°	760 lbs (3.40 kN)*	1.30 lbs (0.59 kg)

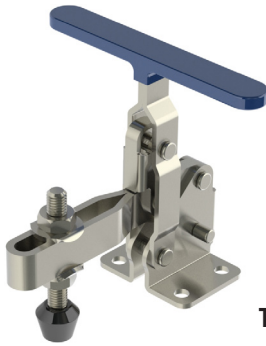
*applies to arm position closest to handle



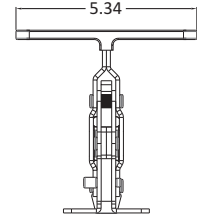
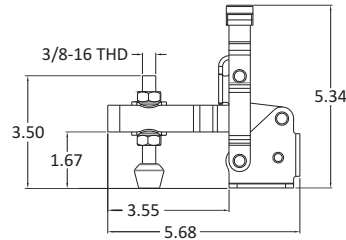
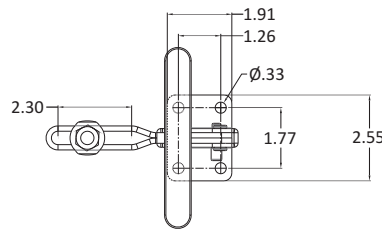
Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70013	Straight	Solid	58°	106°	760 lbs (3.40 kN)*	1.30 lbs (0.59 kg)

*applies to arm position closest to handle

Hold Down Vertical

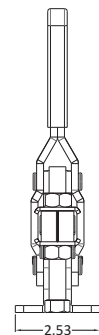
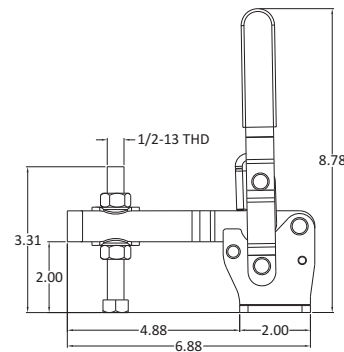
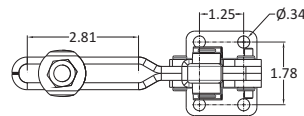
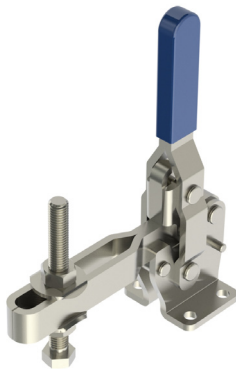


T-Handle



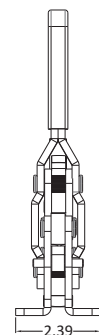
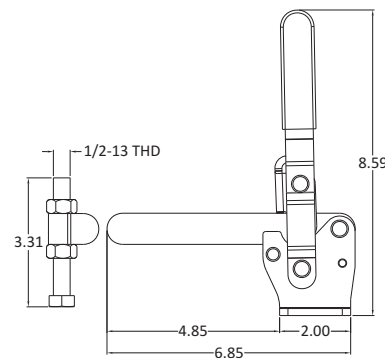
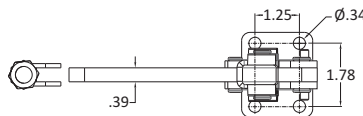
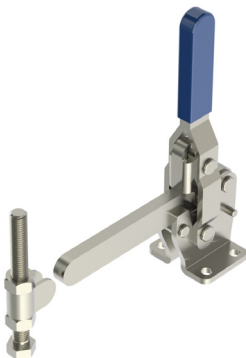
Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70125	Flanged	Adjustable U-Bar	58°	106°	600 lbs (2.70 kN)*	1.30 lbs (0.59 kg)

*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70014	Flanged	Adjustable U-Bar	75°	136°	990 lbs (4.40 kN)*	2.43 lbs (1.10 kg)

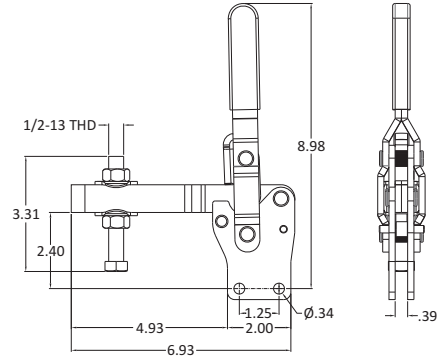
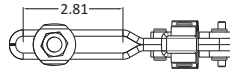
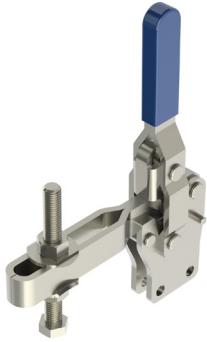
*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70015	Flanged	Solid	75°	136°	990 lbs (4.40 kN)*	2.20 lbs (1.00 kg)

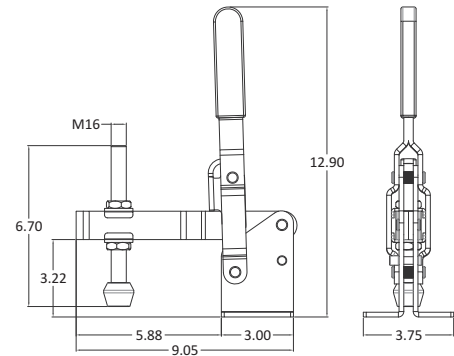
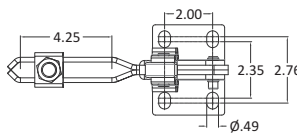
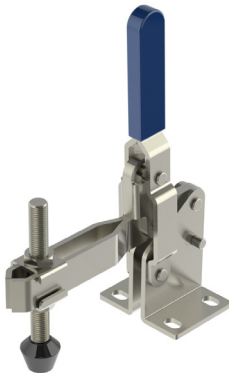
*applies to arm position closest to handle

Hold Down Vertical



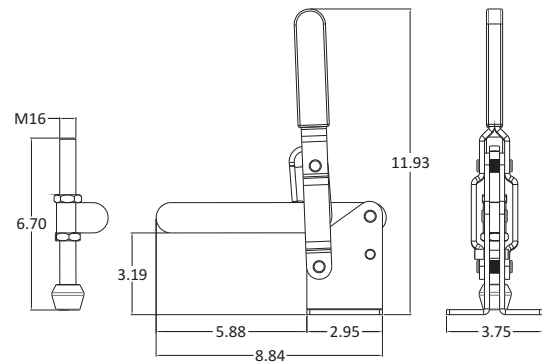
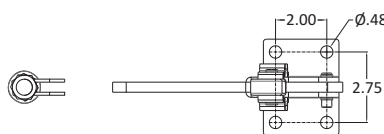
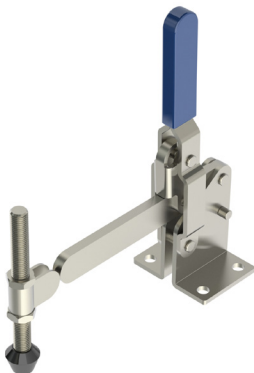
Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70135	Straight	Adjustable U-Bar	75°	136°	990 lbs (4.40 kN)*	2.43 lbs (1.10 kg)

*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70016	Flanged	Adjustable U-Bar	70°	140°	1200 lbs (5.40 kN)*	4.90 lbs (2.20 kg)

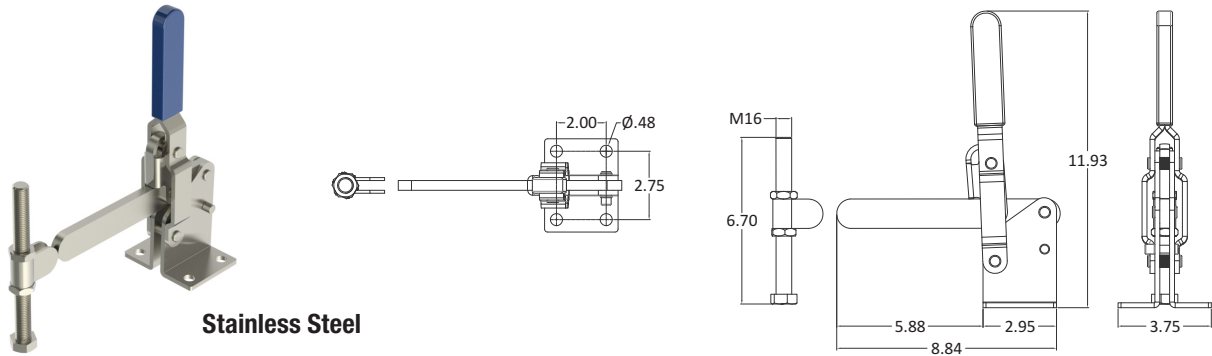
*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70053	Flanged	Solid	70°	140°	1200 lbs (5.40 kN)*	4.41 lbs (2.00 kg)

*applies to arm position closest to handle

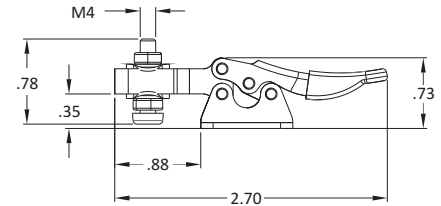
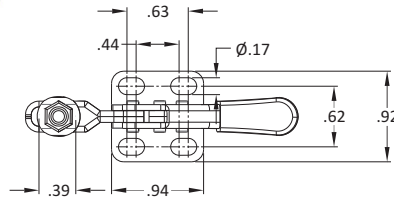
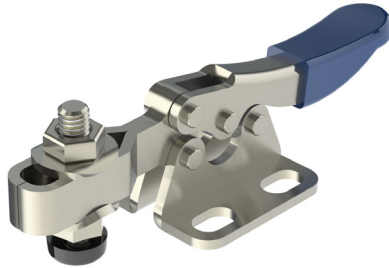
Hold Down Vertical



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70053-SS	Flanged	Solid	70°	140°	1200 lbs (5.40 kN)*	4.41 lbs (2.00 kg)

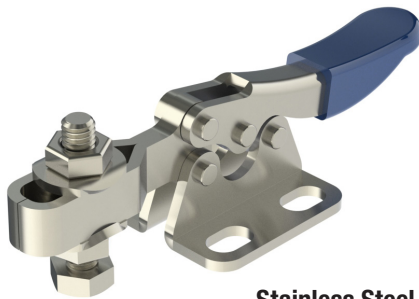
*applies to arm position closest to handle

Hold Down Horizontal

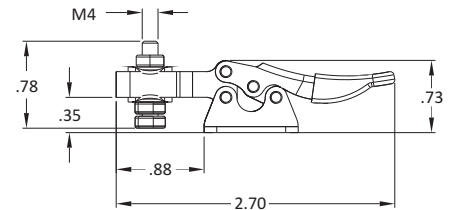
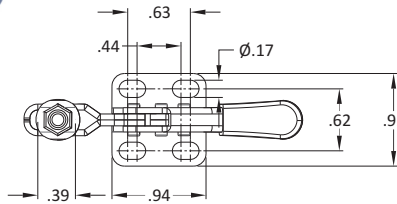


Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70018	Flanged	Adjustable U-Bar	60°	85°	67 lbs (0.30 kN)*	0.07 lbs (0.03 kg)

*applies to U-Bar position closest to handle

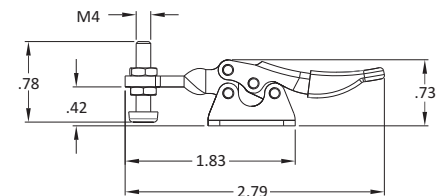
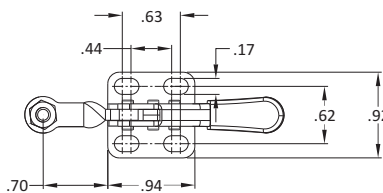
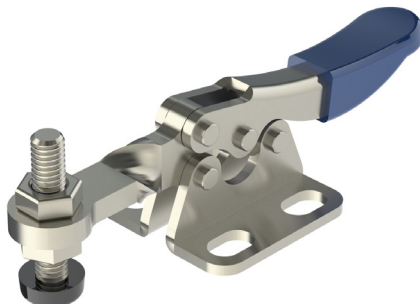


Stainless Steel



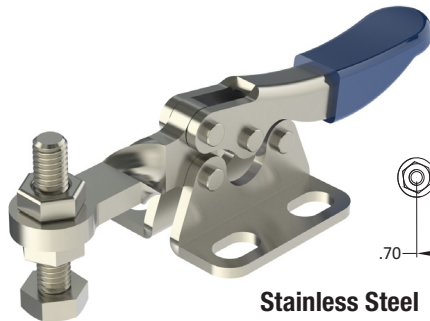
Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70018-SS	Flanged	Adjustable U-Bar	60°	85°	67 lbs (0.30 kN)*	0.07 lbs (0.03 kg)

*applies to U-Bar position closest to handle

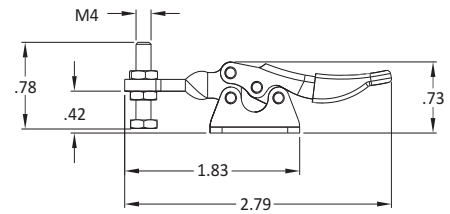
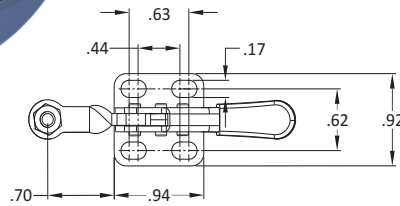


Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70019	Flanged	Solid	60°	85°	67 lbs (0.30 kN)	0.07 lbs (0.03 kg)

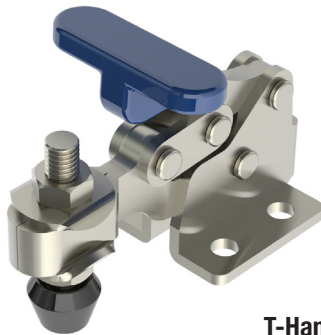
Hold Down Horizontal



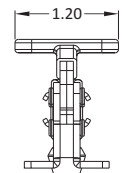
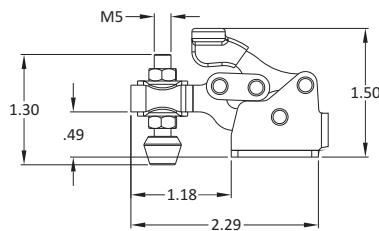
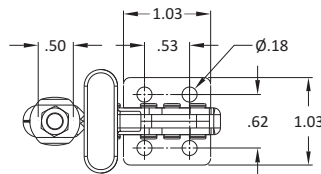
Stainless Steel



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70019-SS	Flanged	Solid	60°	85°	67 lbs (0.30 kN)	0.07 lbs (0.03 kg)



T-Handle

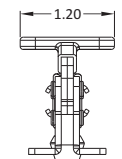
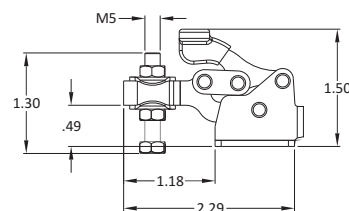
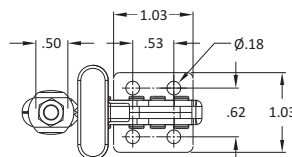


Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70026	Flanged	Adjustable U-Bar	175°	92°	112 lbs (0.50 kN)*	0.15 lbs (0.07 kg)

*applies to U-Bar position closest to handle



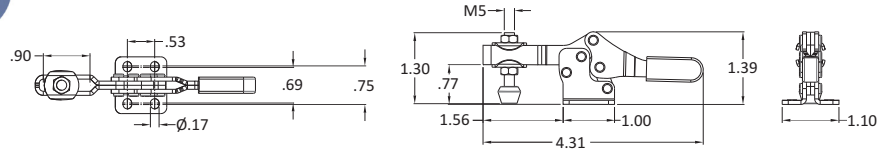
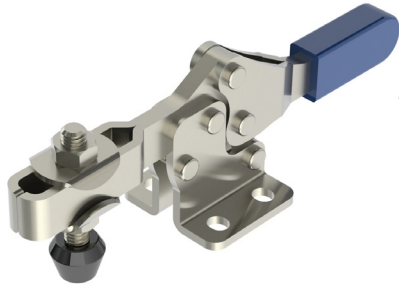
Stainless Steel



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70026-SS	Flanged	Adjustable U-Bar	175°	92°	112 lbs (0.50 kN)*	0.15 lbs (0.07 kg)

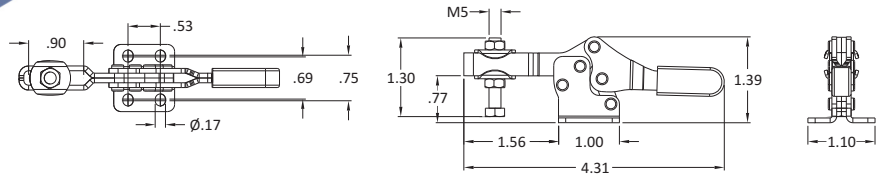
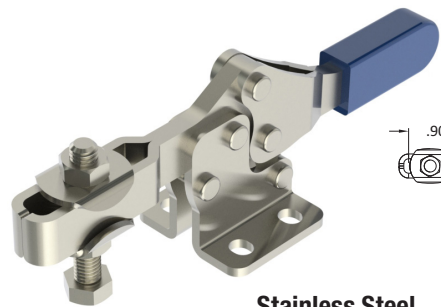
*applies to U-Bar position closest to handle

Hold Down Horizontal



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70137	Flanged	Adjustable U-Bar	60°	90°	160 lbs (0.70 kN)*	0.15 lbs (0.07 kg)

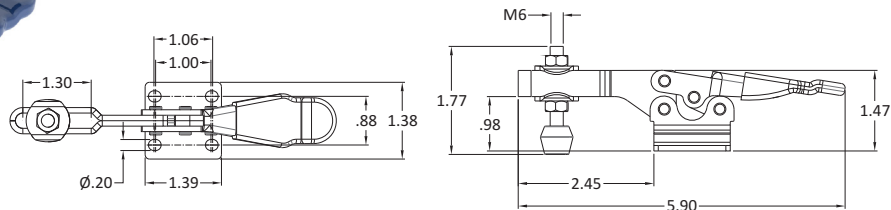
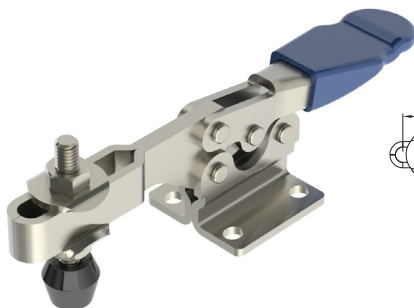
*applies to U-Bar position closest to handle



Stainless Steel

Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70141	Flanged	Adjustable U-Bar	60°	90°	160 lbs (0.70 kN)*	0.15 lbs (0.07 kg)

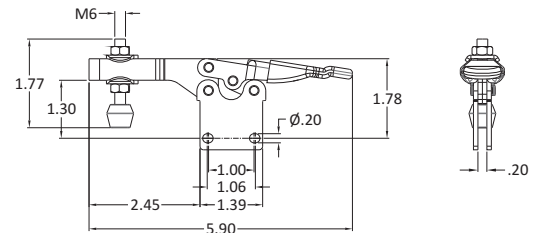
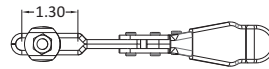
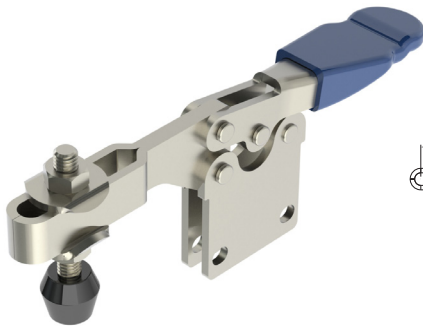
*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70020	Flanged	Adjustable U-Bar	70°	90°	225 lbs (1.00 kN)*	0.33 lbs (0.15 kg)

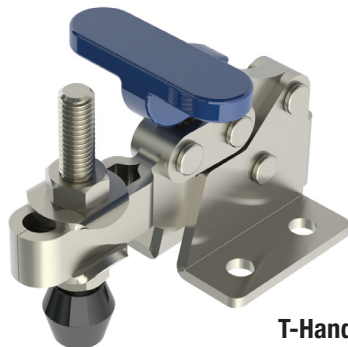
*applies to U-Bar position closest to handle

Hold Down Horizontal

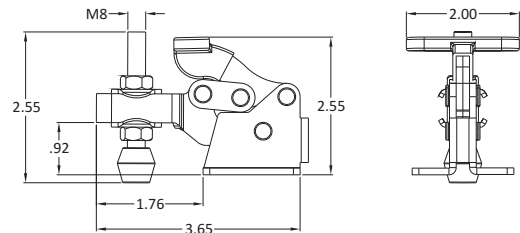
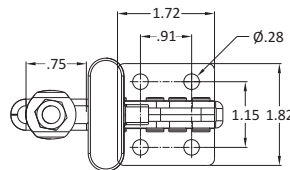


Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70021	Straight	Adjustable U-Bar	70°	90°	225 lbs (1.00 kN)*	0.33 lbs (0.15 kg)

*applies to U-Bar position closest to handle

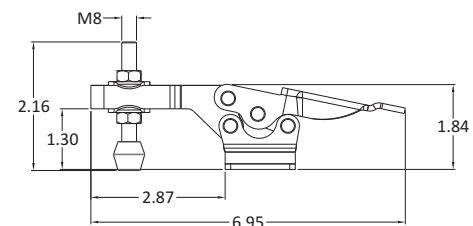
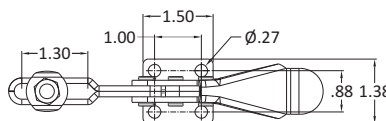
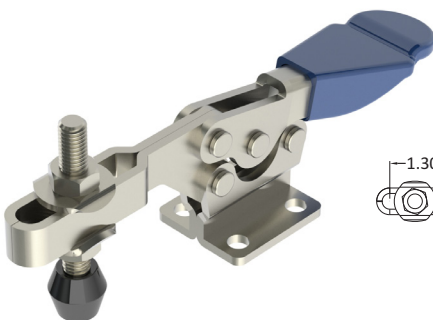


T-Handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70027	Flanged	Adjustable U-Bar	92°	175°	310 lbs (1.40 kN)*	0.55 lbs (0.25 kg)

*applies to U-Bar position closest to handle



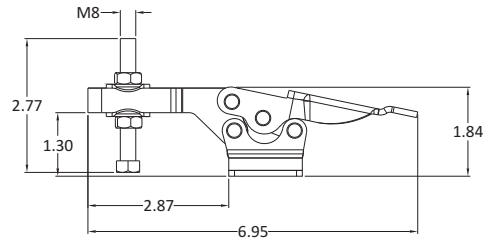
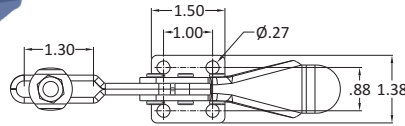
Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70022	Flanged	Adjustable U-Bar	70°	90°	500 lbs (2.20 kN)*	0.57 lbs (0.26 kg)

*applies to U-Bar position closest to handle

Hold Down Horizontal

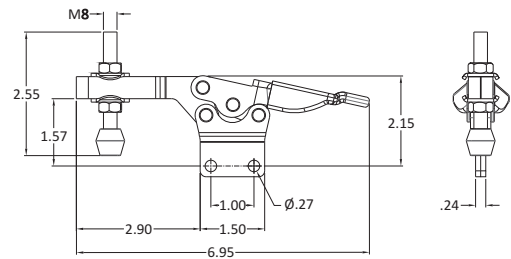
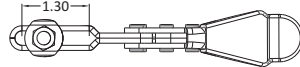
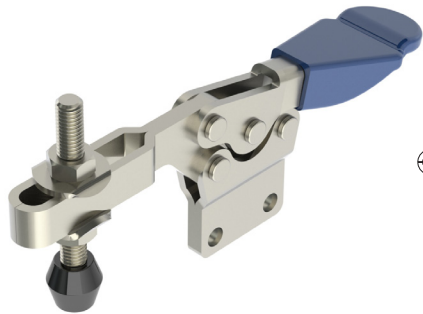


Stainless Steel



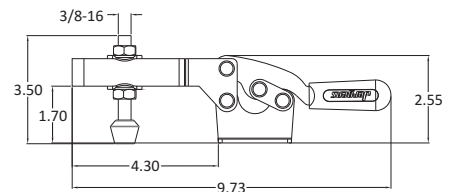
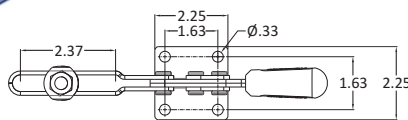
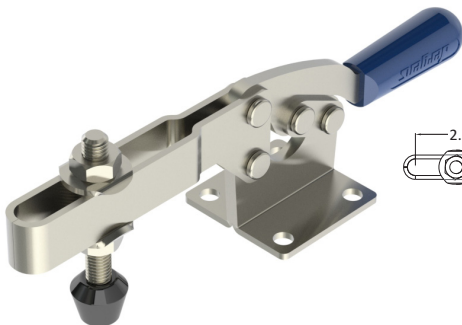
Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70022-SS	Flanged	Adjustable U-Bar	70°	90°	500 lbs (2.20 kN)*	0.57 lbs (0.26 kg)

*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70023	Straight	Adjustable U-Bar	70°	90°	500 lbs (2.20 kN)*	0.57 lbs (0.26 kg)

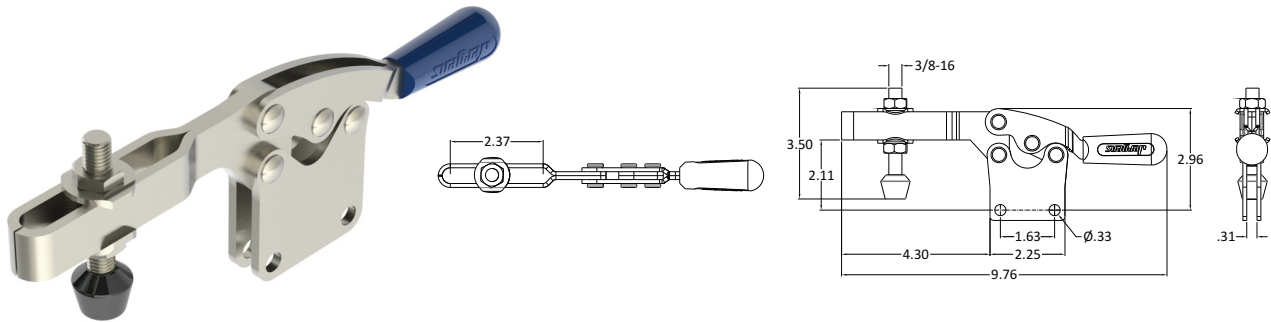
*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70024	Flanged	Adjustable U-Bar	63°	92°	760 lbs (3.40 kN)*	1.65 lbs (0.75 kg)

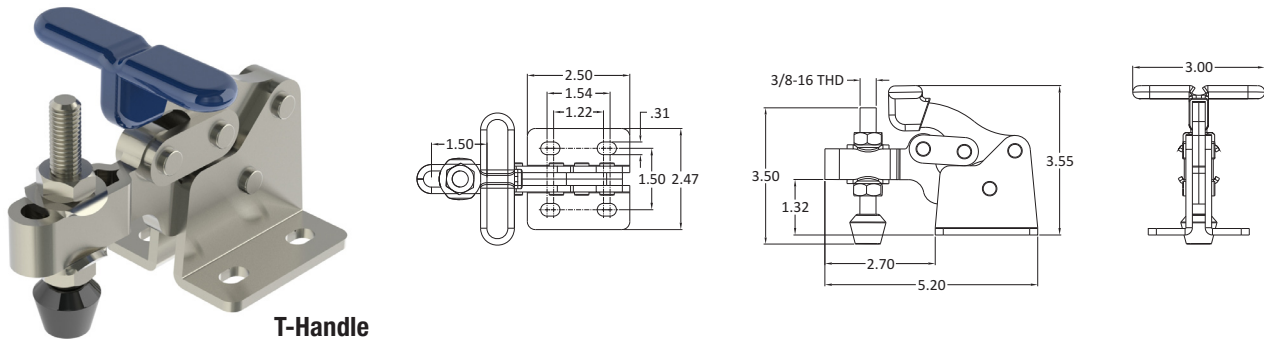
*applies to U-Bar position closest to handle

Hold Down Horizontal



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70025	Straight	Adjustable U-Bar	63°	92°	760 lbs (3.40 kN)*	1.65 lbs (0.75 kg)

*applies to U-Bar position closest to handle

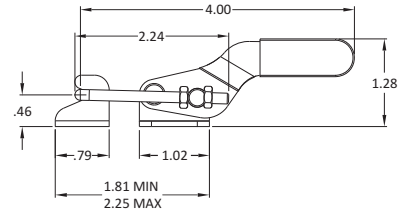
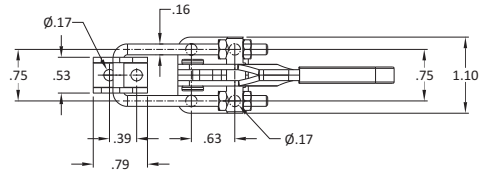
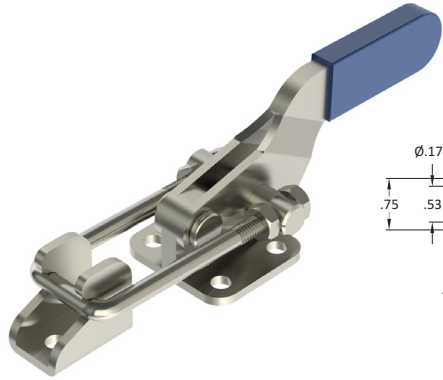


T-Handle

Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70028	Flanged	Adjustable U-Bar	160°	88°	760 lbs (3.40 kN)*	1.32 lbs (0.60 kg)

*applies to U-Bar position closest to handle

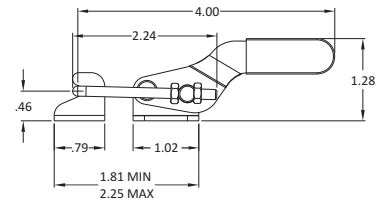
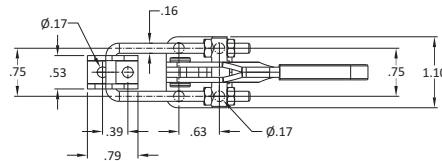
Pull Action Latch



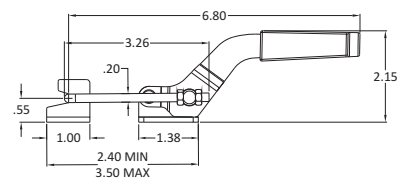
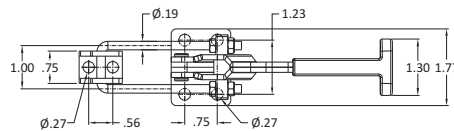
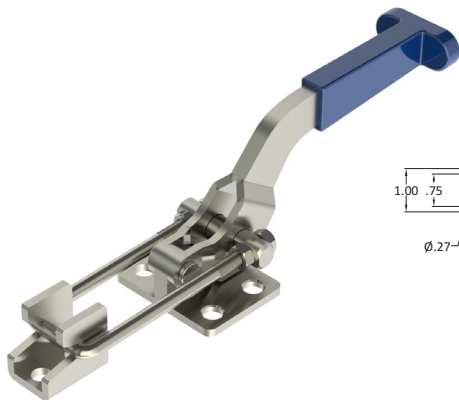
Part Number	Drawing Movement	Holding Capacity	Weight
70029	1.06 in	340 lbs (1.50 kN)	0.22 lbs (0.10 kg)



Stainless Steel

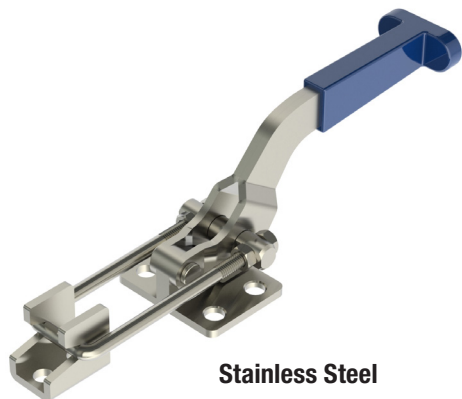


Part Number	Drawing Movement	Holding Capacity	Weight
70029-SS	1.06 in	340 lbs (1.50 kN)	0.22 lbs (0.10 kg)

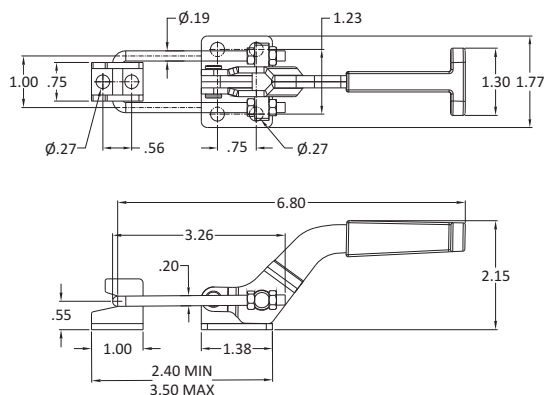


Part Number	Drawing Movement	Holding Capacity	Weight
70030	1.73 in	560 lbs (2.50 kN)	0.49 lbs (0.22 kg)

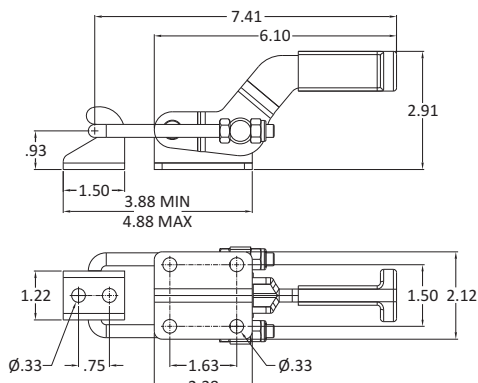
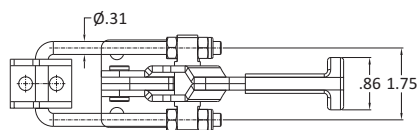
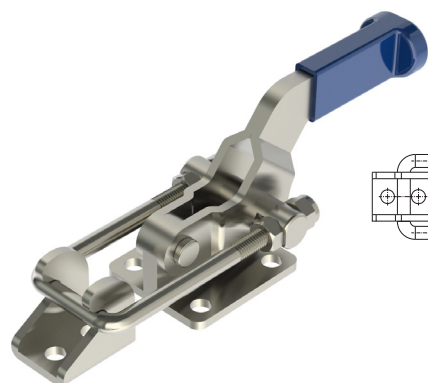
Pull Action Latch



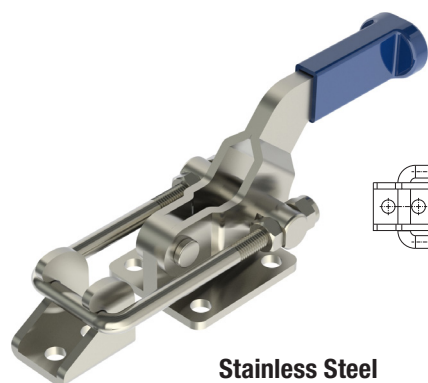
Stainless Steel



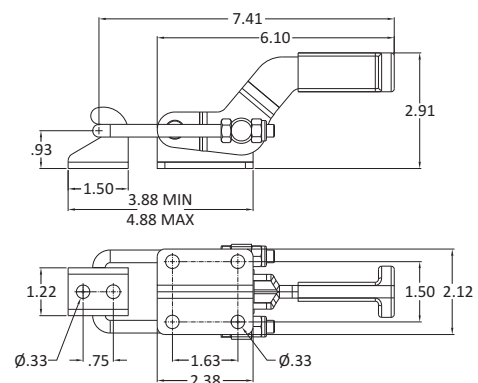
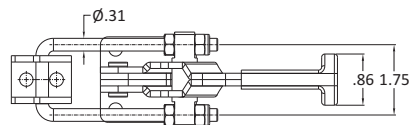
Part Number	Drawing Movement	Holding Capacity	Weight
70030-SS	1.73 in	560 lbs (2.50 kN)	0.49 lbs (.22 kg)



Part Number	Drawing Movement	Holding Capacity	Weight
70031	2.48 in	1,980 lbs (8.80 kN)	2.20 lbs (1.00 kg)

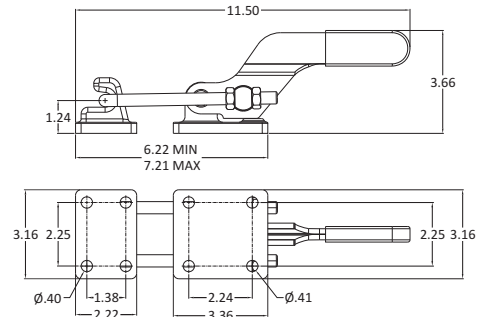
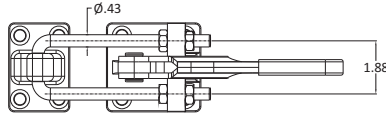
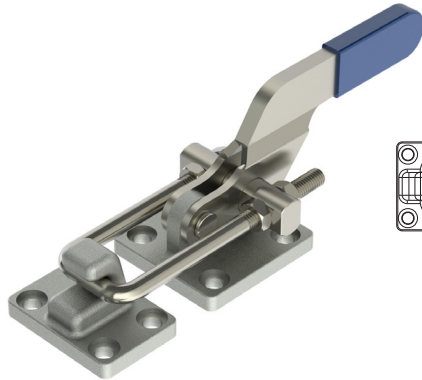


Stainless Steel

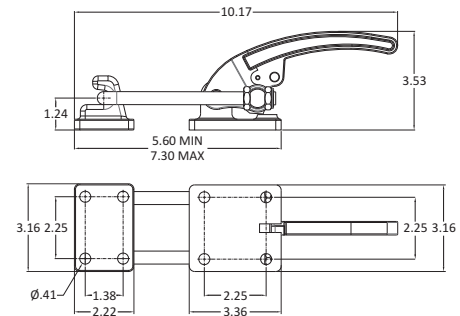
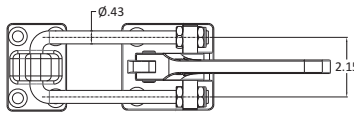


Part Number	Drawing Movement	Holding Capacity	Weight
70031-SS	2.48 in	1,980 lbs (8.80 kN)	2.20 lbs (1.00 kg)

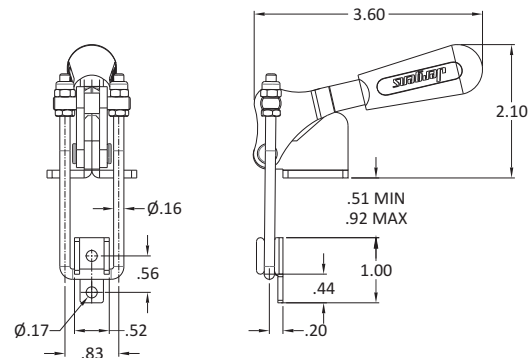
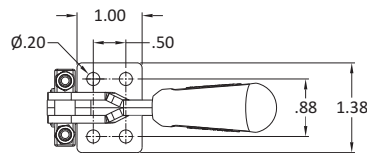
Pull Action Latch



Part Number	Drawing Movement	Holding Capacity	Weight
70032	2.32 in	4,000 lbs (17.60 kN)	5.00 lbs (2.27 kg)



Part Number	Drawing Movement	Holding Capacity	Weight
70033	2.36 in	7,700 lbs (34.30 kN)	5.51 lbs (2.50 kg)

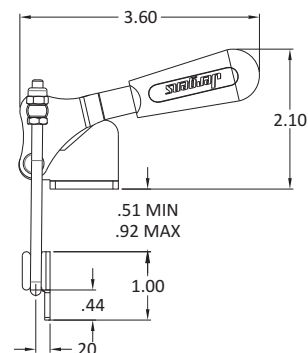
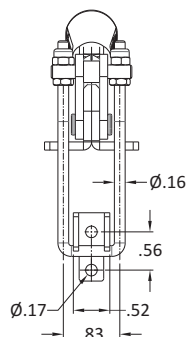
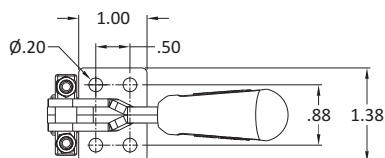


Part Number	Drawing Movement	Holding Capacity	Weight
70034	1.52 in	500 lbs (2.22 kN)	0.26 lbs (0.12 kg)

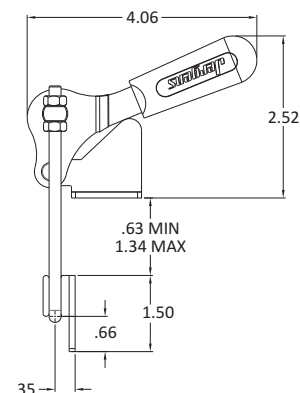
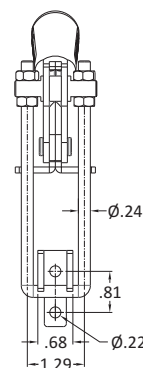
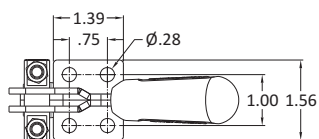
Pull Action Latch



Stainless Steel



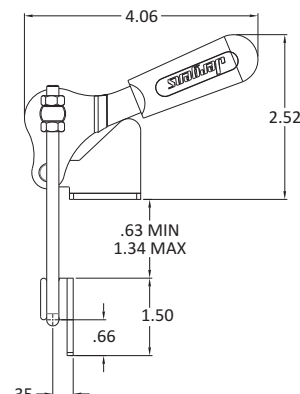
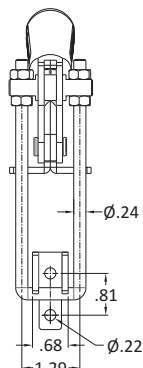
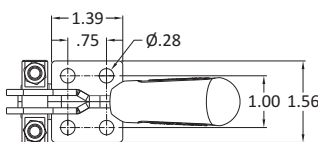
Part Number	Drawing Movement	Holding Capacity	Weight
70034-SS	1.52 in	500 lbs (2.22 kN)	0.26 lbs (0.12 kg)



Part Number	Drawing Movement	Holding Capacity	Weight
70035	2.25 in	1,000 lbs (4.45 kN)	0.68 lbs (0.31 kg)

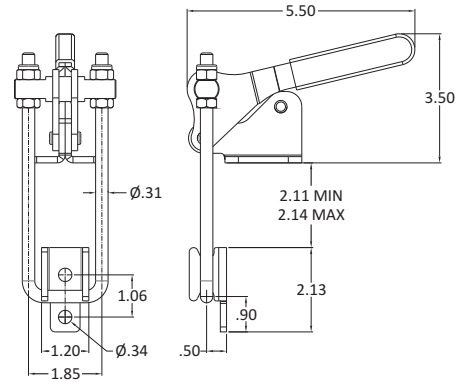
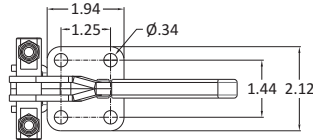


Stainless Steel

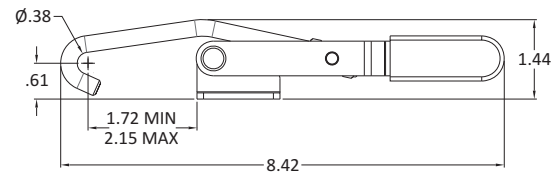
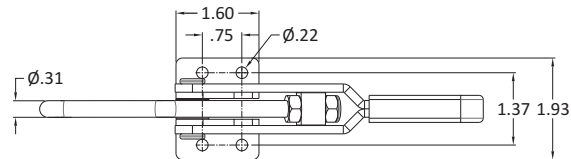
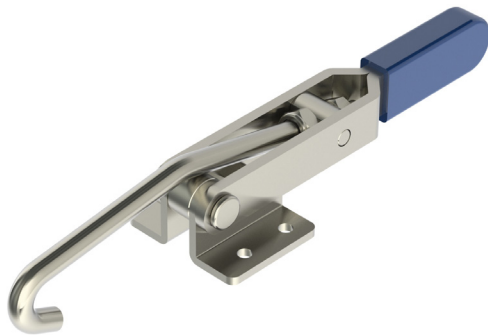


Part Number	Drawing Movement	Holding Capacity	Weight
70035-SS	2.25 in	1,000 lbs (4.45 kN)	0.68 lbs (0.31 kg)

Pull Action Latch



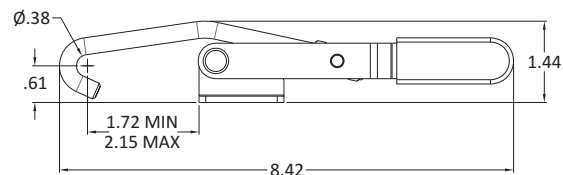
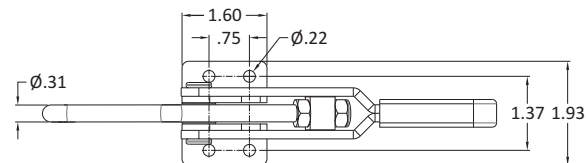
Part Number	Drawing Movement	Holding Capacity	Weight
70036	2.47 in	1,980 lbs (8.80 kN)	1.51 lbs (0.68 kg)



Part Number	Drawing Movement	Holding Capacity	Weight
70037	4.00 in	375 lbs (1.67 kN)	0.61 lbs (0.28 kg)

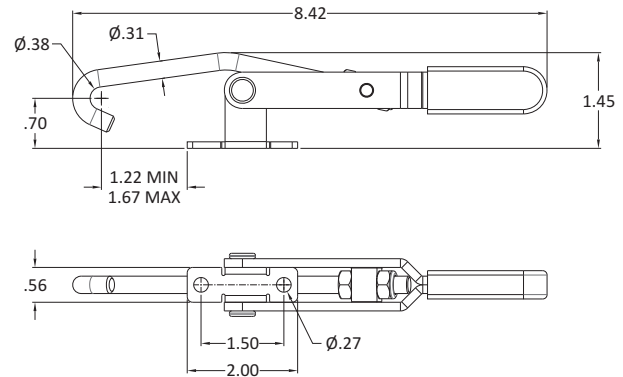
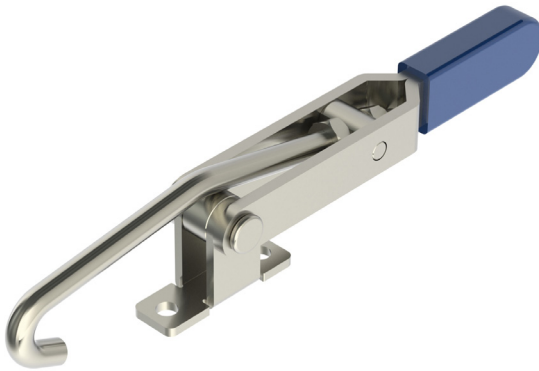


Stainless Steel

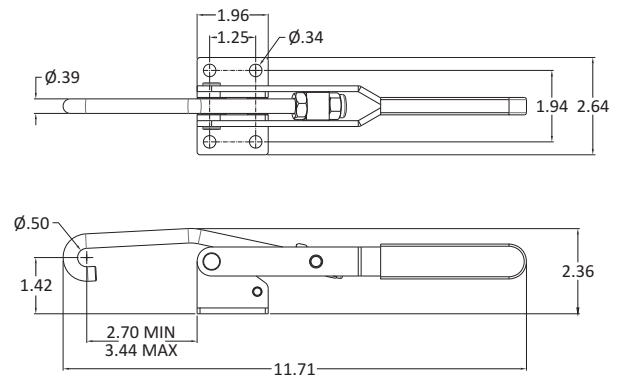
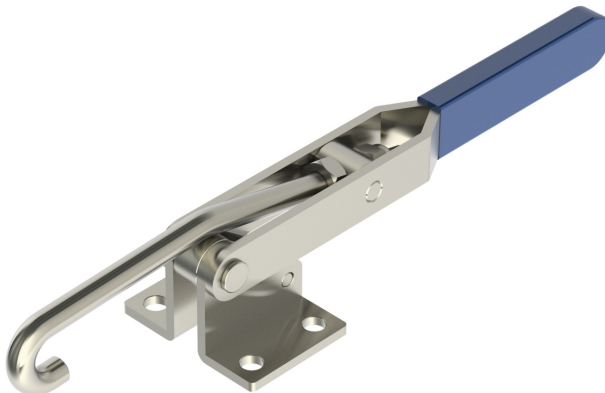


Part Number	Drawing Movement	Holding Capacity	Weight
70037-SS	4.00 in	375 lbs (1.67 kN)	0.61 lbs (0.28 kg)

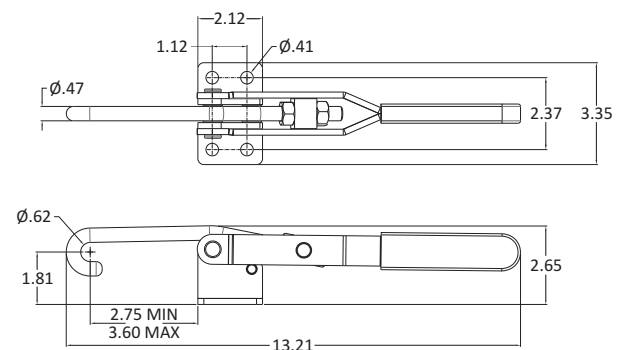
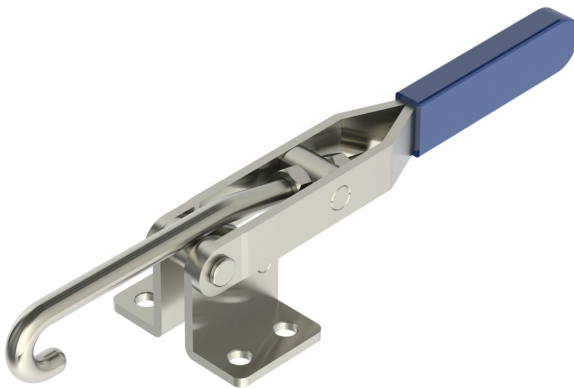
Pull Action Latch



Part Number	Drawing Movement	Holding Capacity	Weight
70038	4.00 in	375 lbs (1.67 kN)	0.61 lbs (0.28 kg)

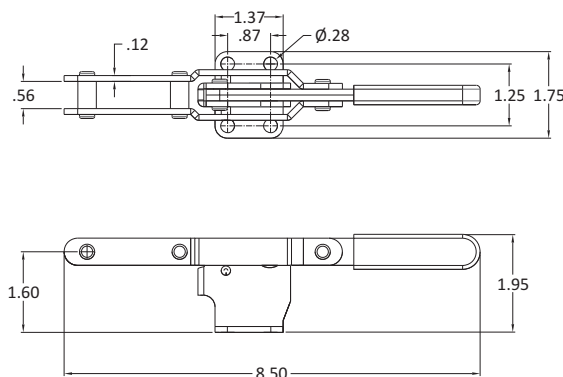
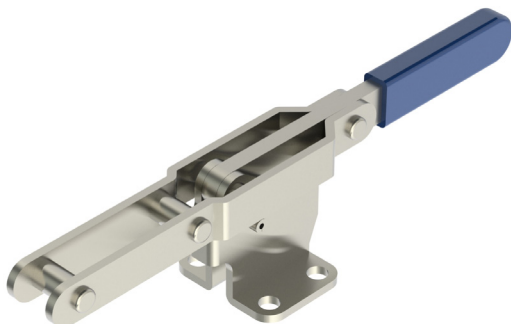


Part Number	Drawing Movement	Holding Capacity	Weight
70039	5.38 in	750 lbs (3.34 kN)	1.38 lbs (0.63 kg)

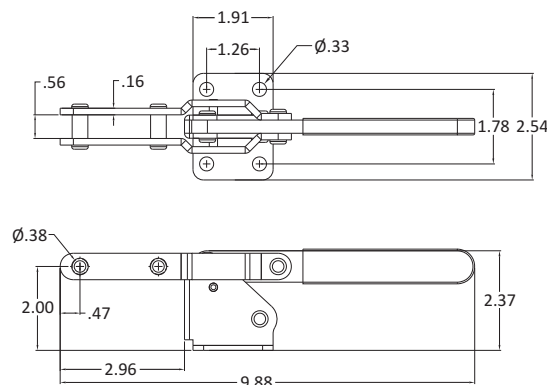
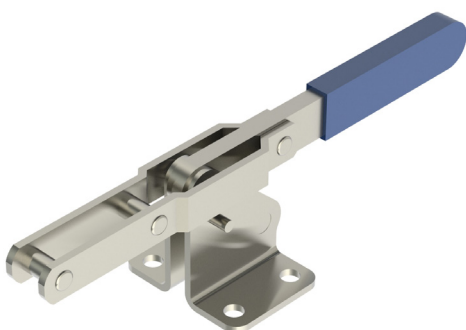


Part Number	Drawing Movement	Holding Capacity	Weight
70040	6.13 in	1,000 lbs (4.45 kN)	2.49 lbs (1.13 kg)

Pull Action Latch

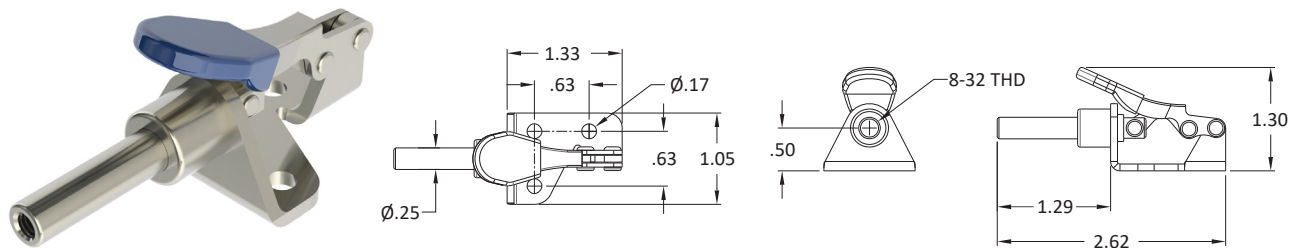


Part Number	Drawing Movement	Holding Capacity	Weight
70041	4.00 in	375 lbs (1.67 kN)	0.66 lbs (0.30 kg)

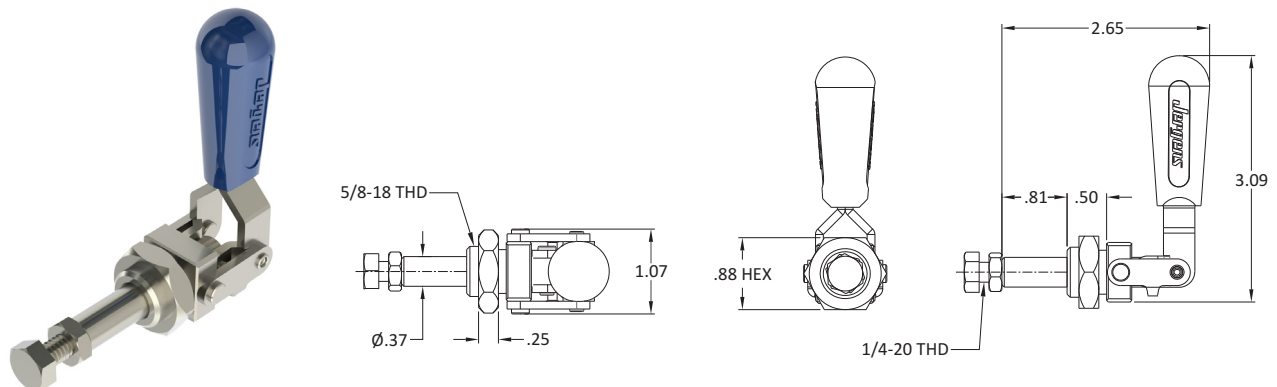


Part Number	Drawing Movement	Holding Capacity	Weight
70139	3.38 in	1,200 lbs (5.40 kN)	1.21 lbs (0.55 kg)

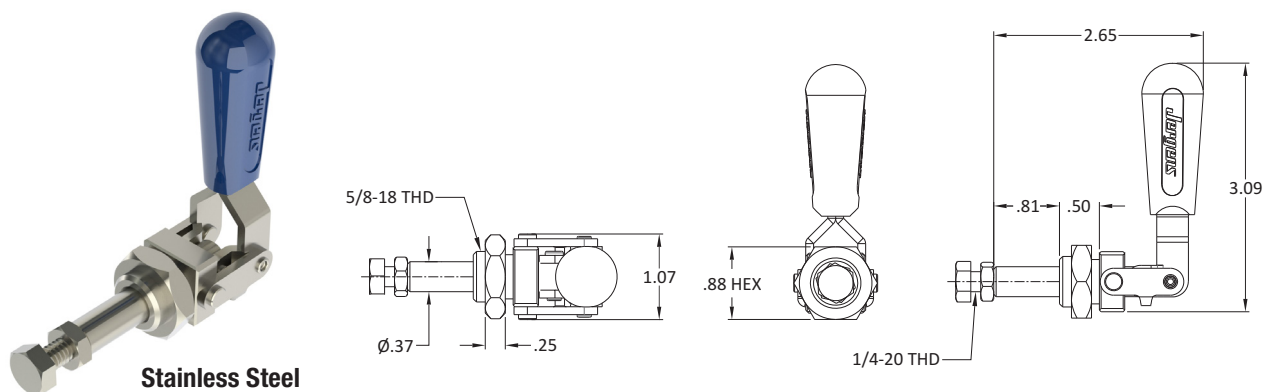
Straight Line Action



Part Number	Plunger Travel	Holding Capacity	Weight
70042	0.63 in	100 lbs (0.45 kN)	0.09 lbs (0.04 kg)

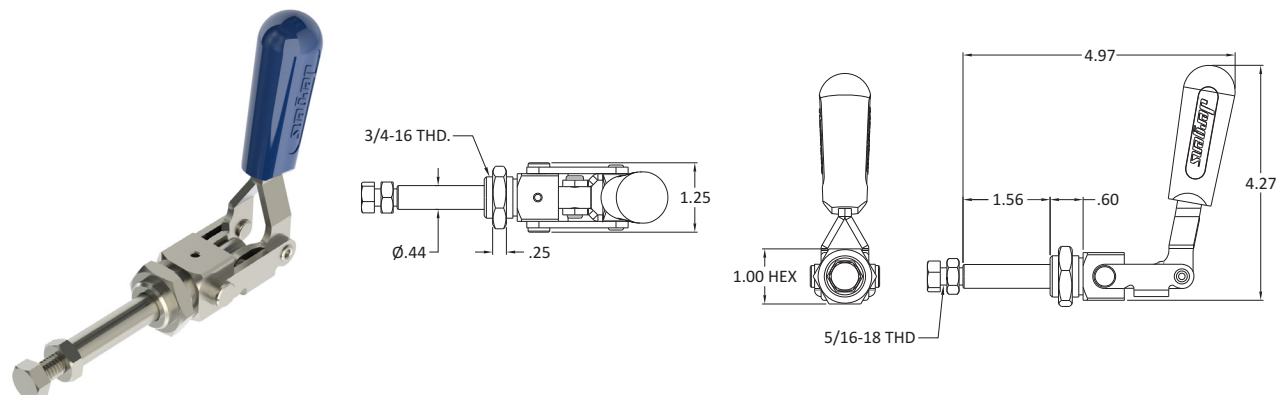


Part Number	Plunger Travel	Holding Capacity	Weight
70043	0.75 in	200 lbs (0.90 kN)	0.12 lbs (0.05 kg)

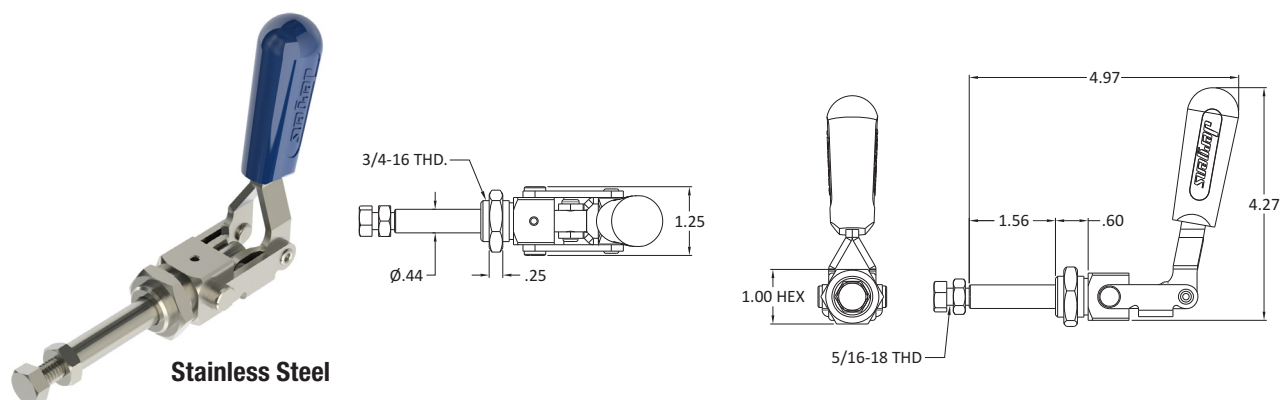


Part Number	Plunger Travel	Holding Capacity	Weight
70043-SS	0.75 in	200 lbs (0.90 kN)	0.12 lbs (0.05 kg)

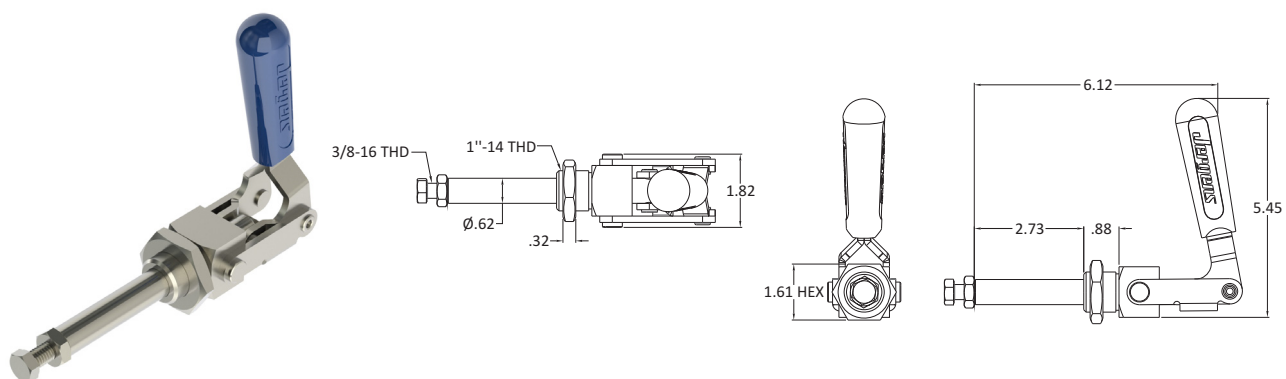
Straight Line Action



Part Number	Plunger Travel	Holding Capacity	Weight
70044	1.50 in	300 lbs (1.33 kN)	0.44 lbs (0.20 kg)

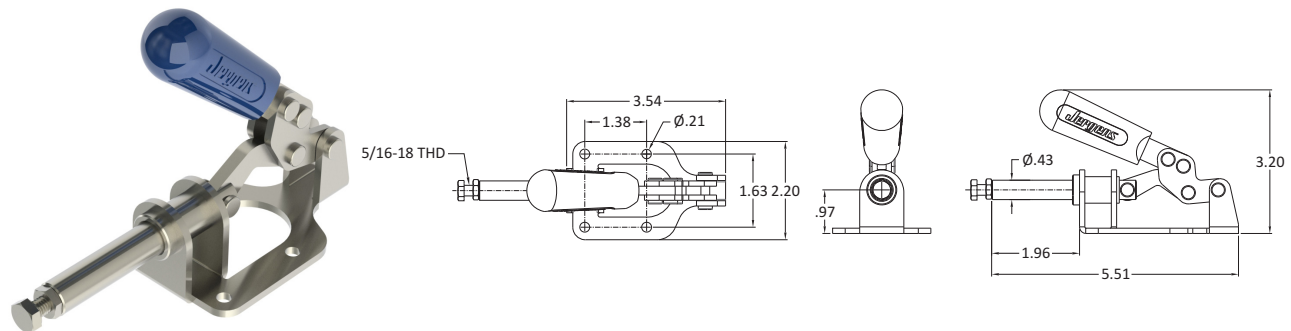


Part Number	Plunger Travel	Holding Capacity	Weight
70044-SS	1.50 in	300 lbs (1.33 kN)	0.44 lbs (0.20 kg)

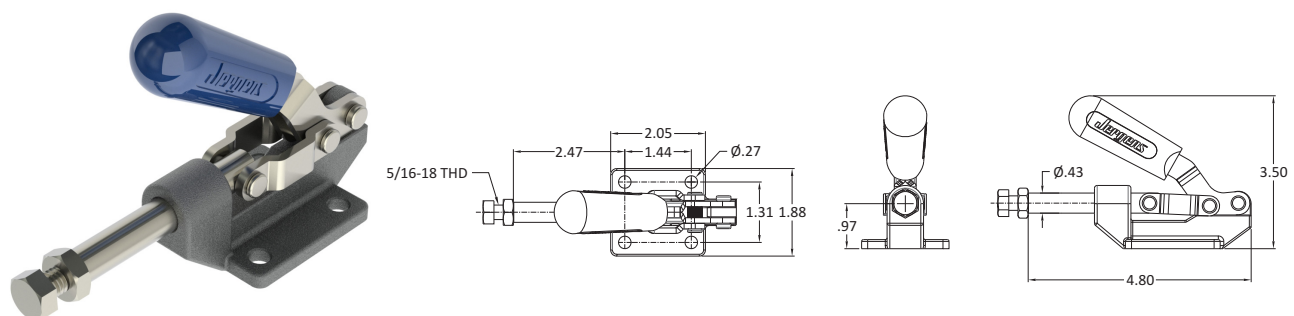


Part Number	Plunger Travel	Holding Capacity	Weight
70045	2.63 in	700 lbs (3.11 kN)	1.54 lbs (0.70 kg)

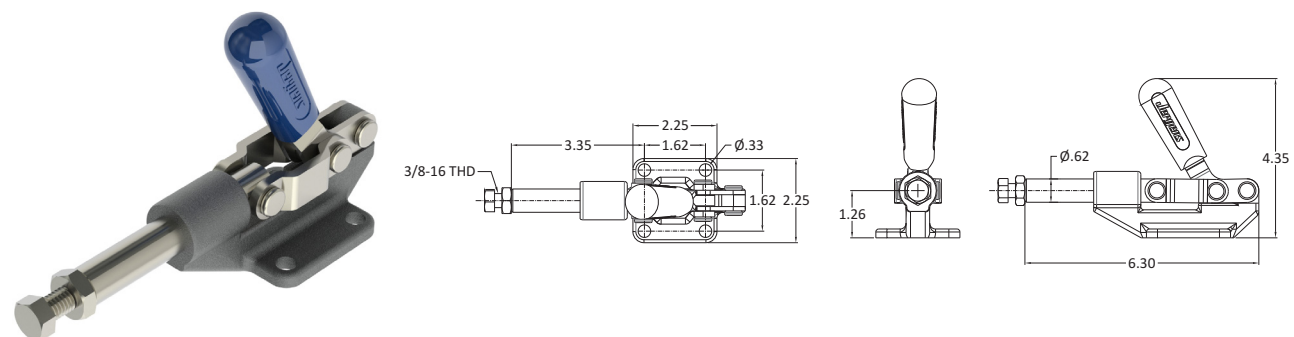
Straight Line Action



Part Number	Plunger Travel	Holding Capacity	Weight
70046	1.25 in	300 lbs (1.33 kN)	0.66 lbs (0.30 kg)

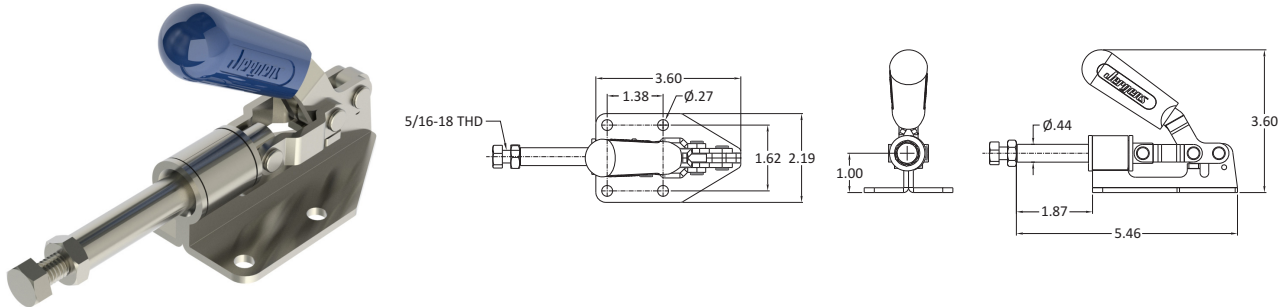


Part Number	Plunger Travel	Holding Capacity	Weight
70047	1.25 in	650 lbs (2.90 kN)	0.84 lbs (0.38 kg)

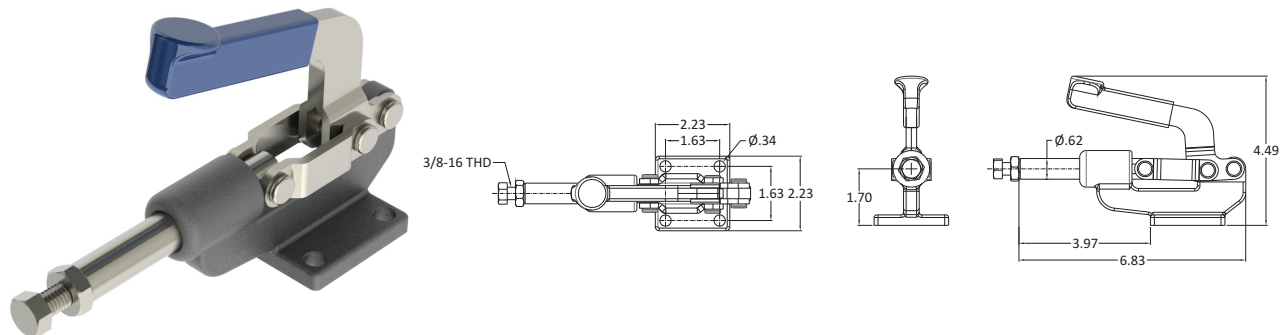


Part Number	Plunger Travel	Holding Capacity	Weight
70048	1.63 in	876 lbs (3.90 kN)	1.26 lbs (0.57 kg)

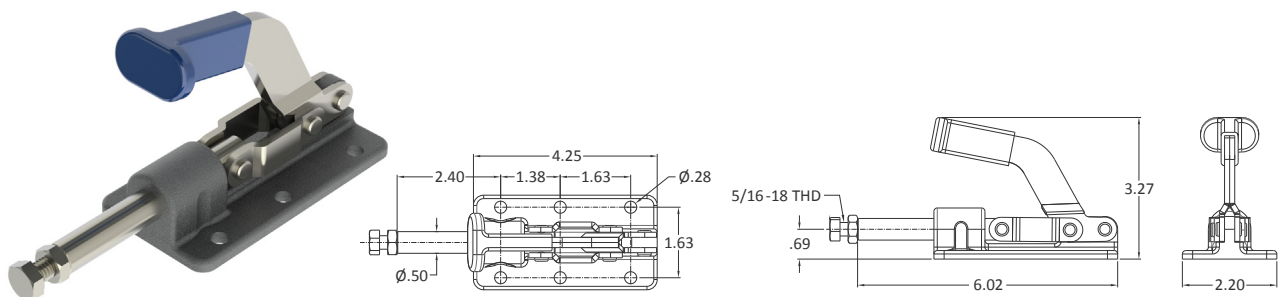
Straight Line Action



Part Number	Plunger Travel	Holding Capacity	Weight
70049	1.25 in	337 lbs (1.50 kN)	0.79 lbs (0.36 kg)

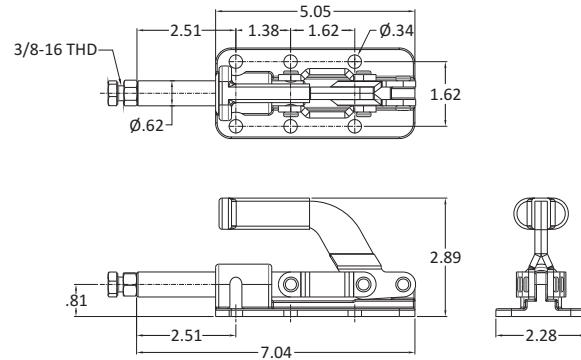
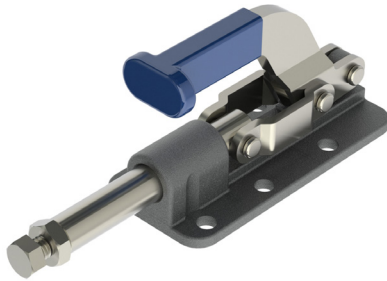


Part Number	Plunger Travel	Holding Capacity	Weight
70050	1.61 in	876 lbs (3.90 kN)	1.92 lbs (0.87 kg)

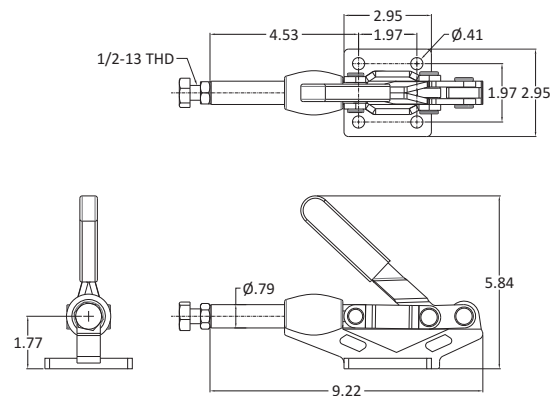
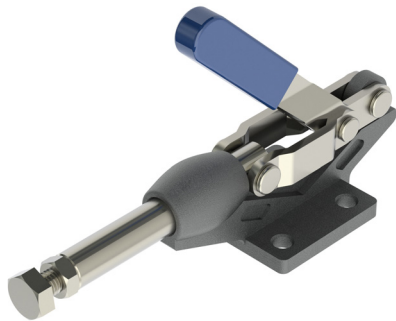


Part Number	Plunger Travel	Holding Capacity	Weight
70051	1.63 in	1,326 lbs (5.90 kN)	1.63 lbs (0.74 kg)

Straight Line Action



Part Number	Plunger Travel	Holding Capacity	Weight
70052	2.00 in	2,500 lbs (11.40 kN)	1.96 lbs (0.89 kg)



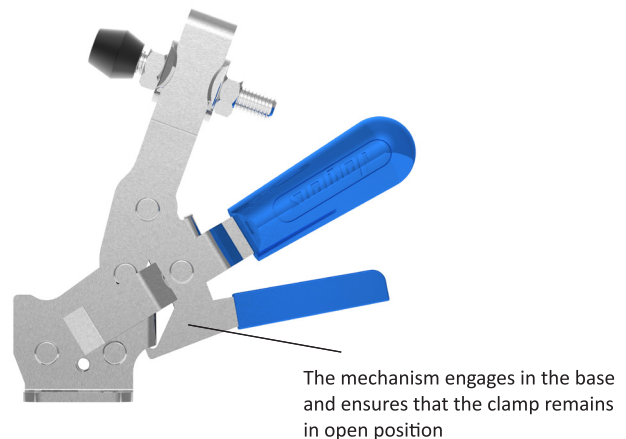
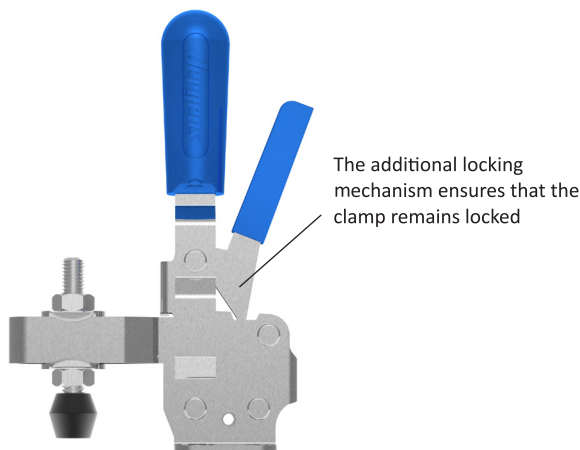
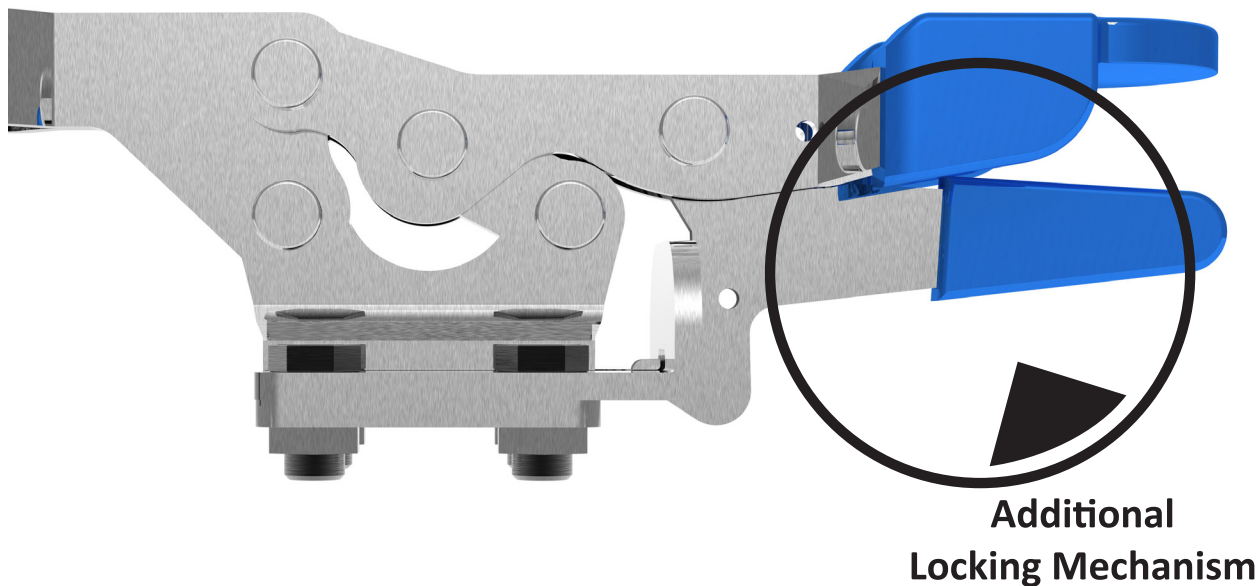
Part Number	Plunger Travel	Holding Capacity	Weight
70126	2.36 in	1,550 lbs (6.90 kN)	3.64 lbs (1.65 kg)

Additional Locking Mechanism

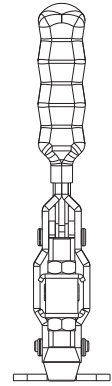
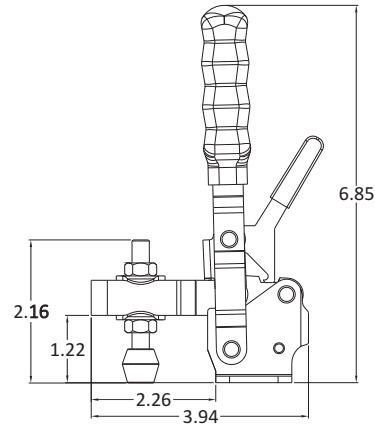
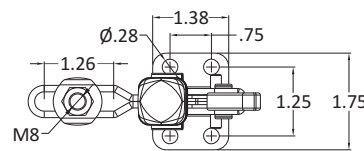
Toggle Clamps with Additional Locking Mechanism

Jergens introduces its latest range of clamps with additional locking mechanism, this mechanism ensures that the clamp remains locked in any condition.

In order to unclamp, the mechanism must be first released. In the vertical series this mechanism will hold the clamping arm in both the closed and open positions, so that it is protected against unintentional opening or closing through vibration or if the clamp is mounted overhead.

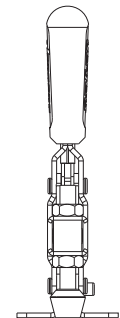
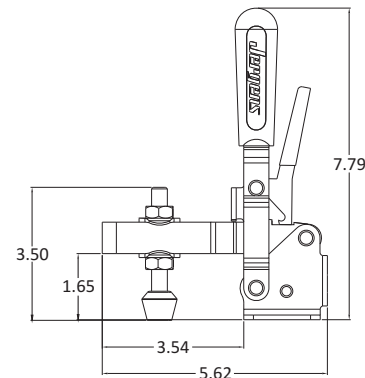
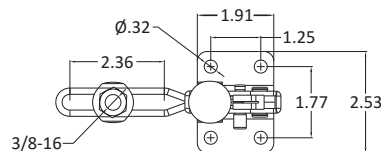


Hold Down Vertical with Additional Locking Mechanism



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70152	Flanged	Adjustable U-Bar	62°	115°	382 lbs (1.70 kN)*	0.66 lbs (0.30 kg)

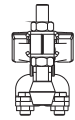
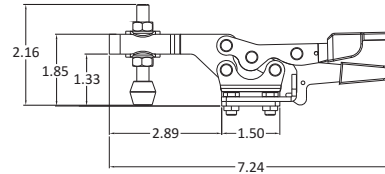
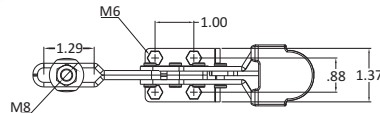
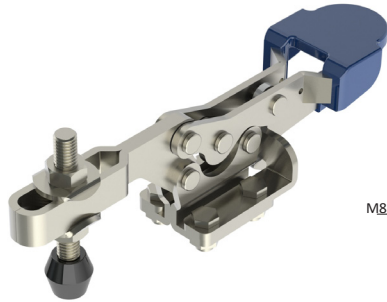
*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70153	Flanged	Adjustable U-Bar	58°	106°	600 lbs (2.70 kN)*	1.30 lbs (0.59 kg)

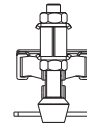
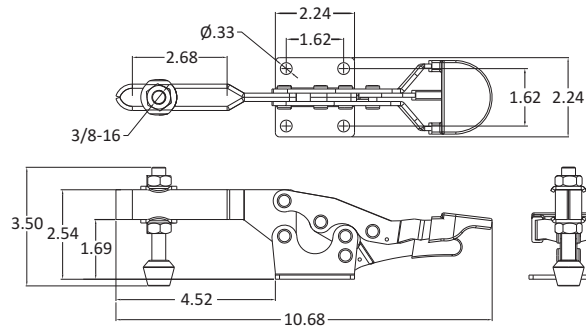
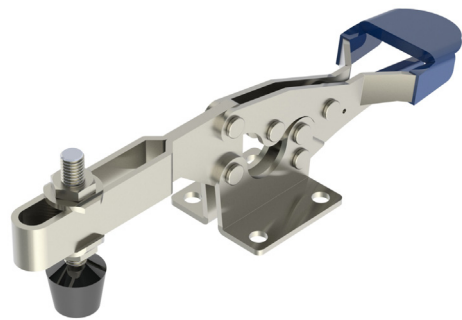
*applies to U-Bar position closest to handle

Hold Down Horizontal with Additional Locking Mechanism



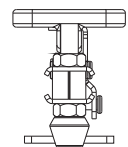
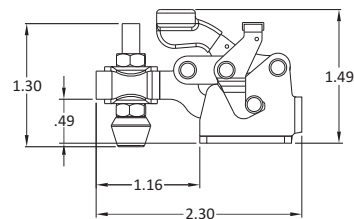
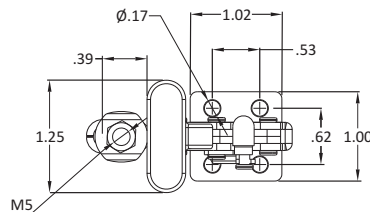
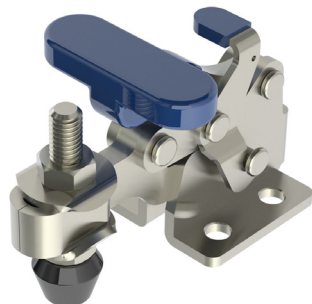
Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70154	Flanged	Adjustable U-Bar	70°	90°	500 lbs (2.20 kN)*	0.71 lbs (0.32 kg)

*applies to U-Bar position closest to handle



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70155	Flanged	Adjustable U-Bar	60°	85°	760 lbs (3.40 kN)*	1.24 lbs (0.56 kg)

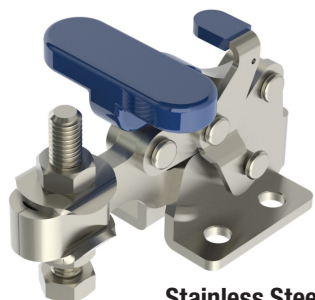
*applies to U-Bar position closest to handle



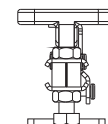
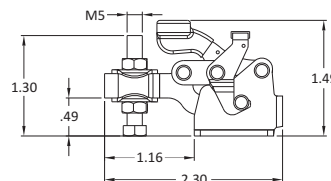
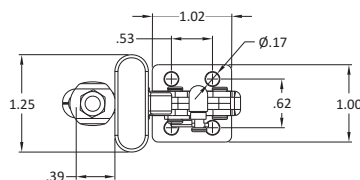
Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70160	Flanged	Adjustable U-Bar	175°	92°	112 lbs (0.50 kN)*	0.16 lbs (0.07 kg)

*applies to U-Bar position closest to handle

Hold Down Horizontal with Additional Locking Mechanism

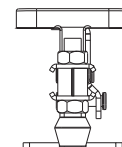
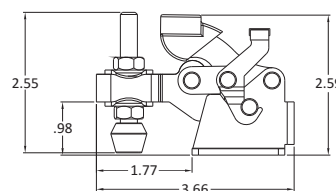
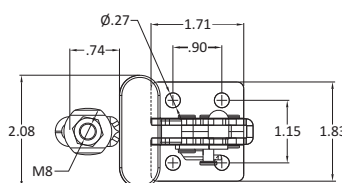


Stainless Steel



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70160-SS	Flanged	Adjustable U-Bar	175°	92°	112 lbs (0.50 kN)*	0.16 lbs (0.07 kg)

*applies to U-Bar position closest to handle

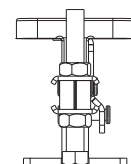
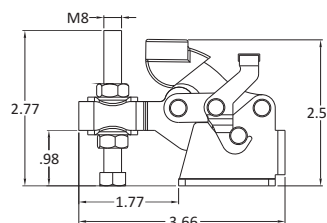
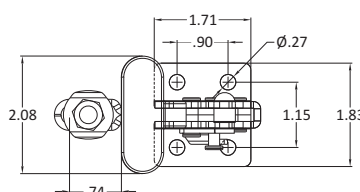


Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70161	Flanged	Adjustable U-Bar	175°	92°	337 lbs (1.50 kN)*	0.55 lbs (0.25 kg)

*applies to U-Bar position closest to handle



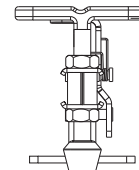
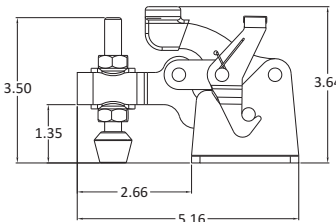
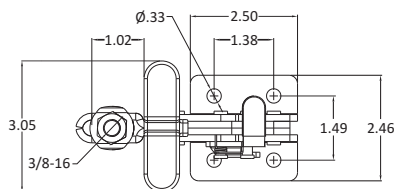
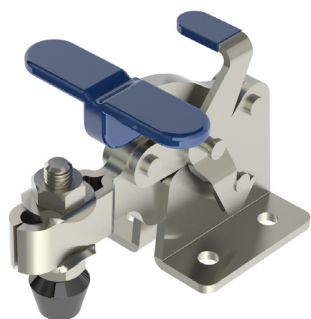
Stainless Steel



Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70161-SS	Flanged	Adjustable U-Bar	175°	92°	337 lbs (1.50 kN)*	0.55 lbs (0.25 kg)

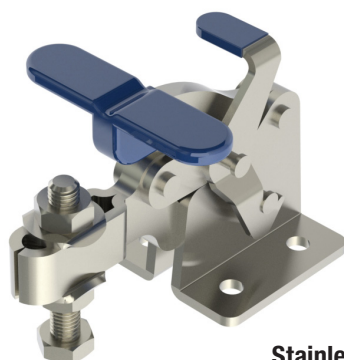
*applies to U-Bar position closest to handle

Hold Down Horizontal with Additional Locking Mechanism

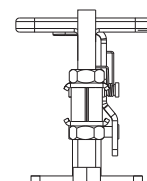
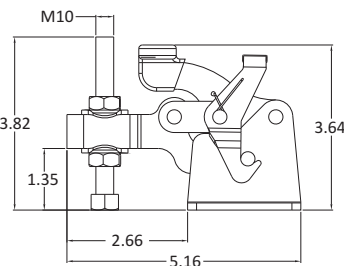
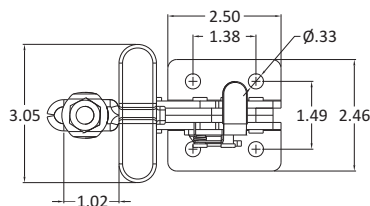


Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70162	Flanged	Adjustable U-Bar	160°	88°	760 lbs (3.40 kN)*	1.32 lbs (0.60 kg)

*applies to U-Bar position closest to handle

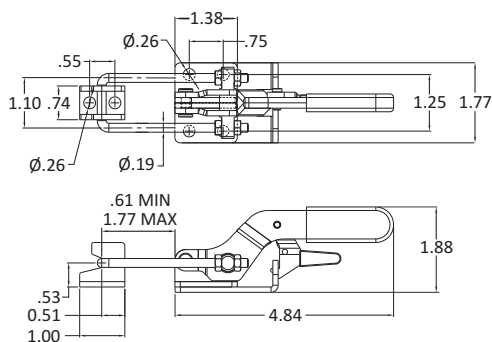
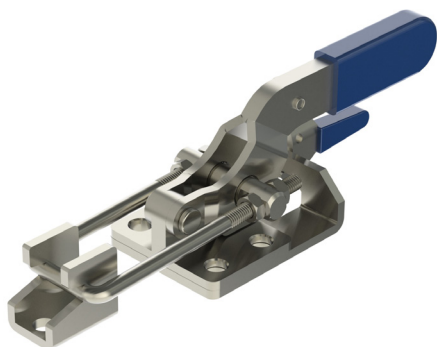


Stainless Steel

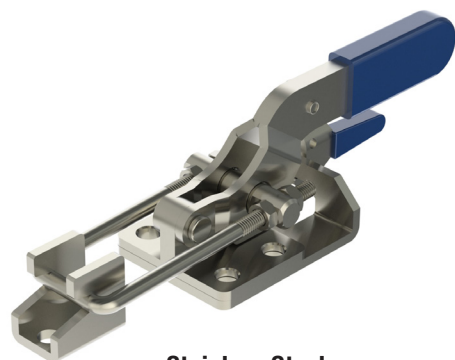


Part Number	Base	Arm	Handle Moves	Bar Opens	Holding Capacity	Weight
70162-SS	Flanged	Adjustable U-Bar	160°	88°	760 lbs (3.40 kN)*	1.32 lbs (0.60 kg)

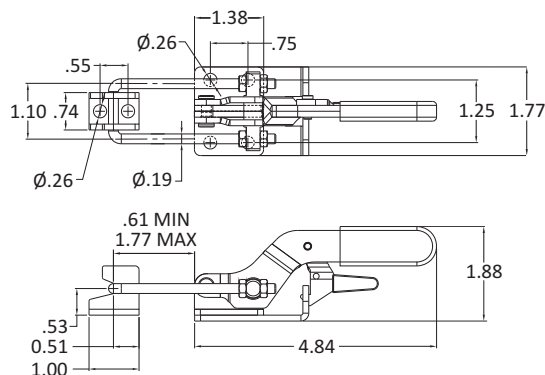
*applies to U-Bar position closest to handle



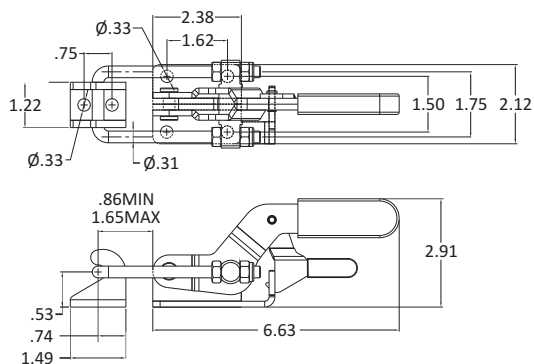
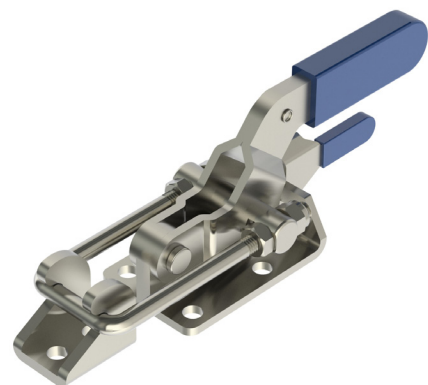
Part Number	Drawing Movement	Holding Capacity	Weight
70163	1.73 in	720 lbs (3.20 kN)	0.55 lbs (0.25 kg)



Stainless Steel

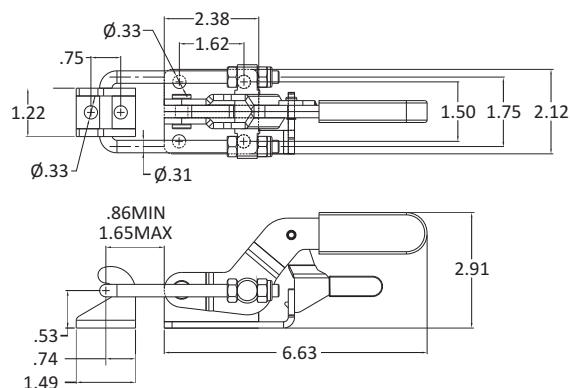
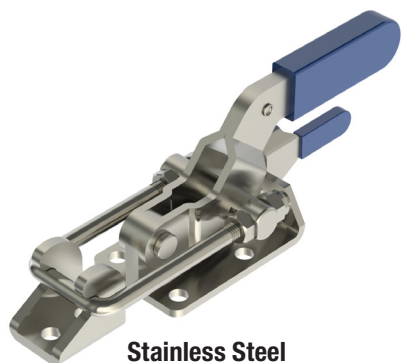


Part Number	Drawing Movement	Holding Capacity	Weight
70163-SS	1.73 in	720 lbs (3.20 kN)	0.55 lbs (0.25 kg)

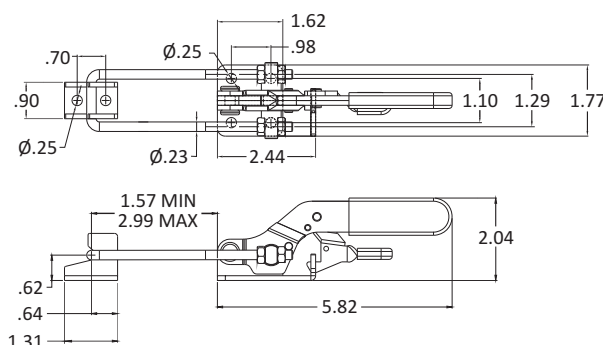
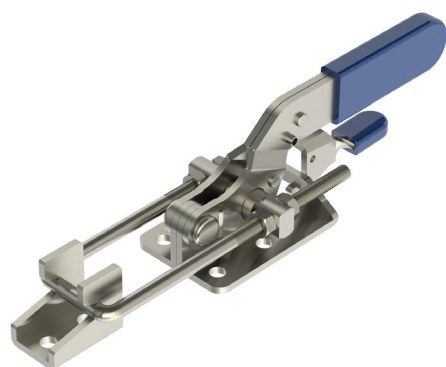


Part Number	Drawing Movement	Holding Capacity	Weight
70164	2.48 in	1,980 lbs (8.80 kN)	1.56 lbs (0.71 kg)

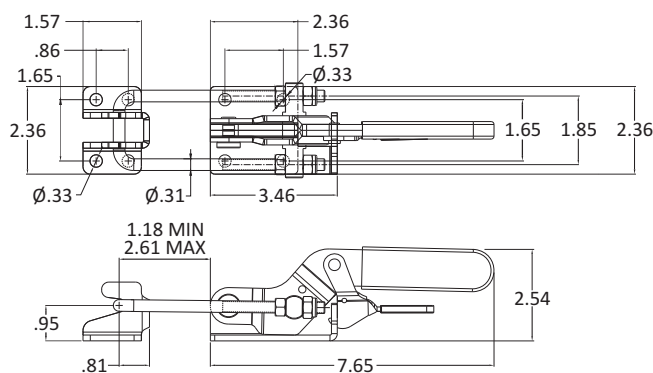
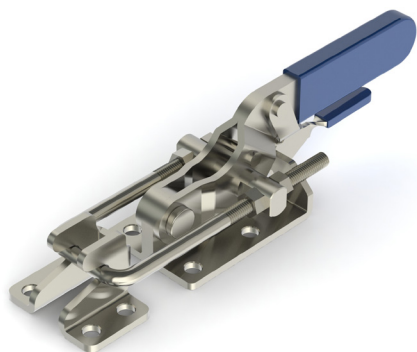
Pull Action Latch with Additional Locking Mechanism



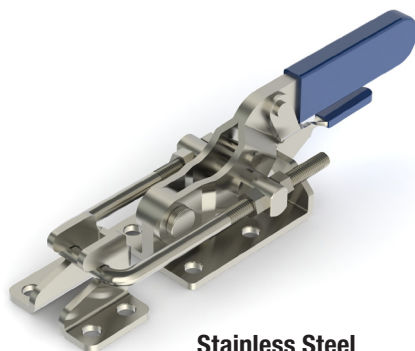
Part Number	Drawing Movement	Holding Capacity	Weight
70164-SS	2.48 in	1,980 lbs (8.80 kN)	1.56 lbs (0.71 kg)



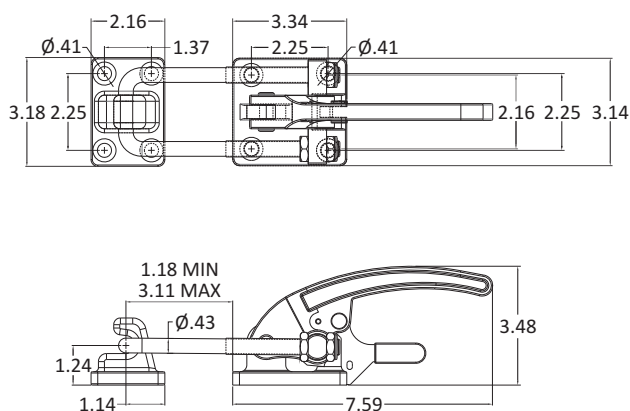
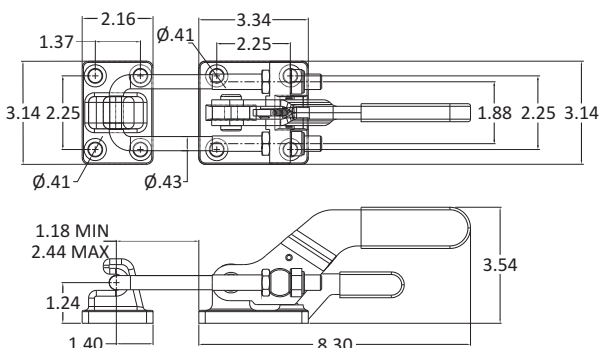
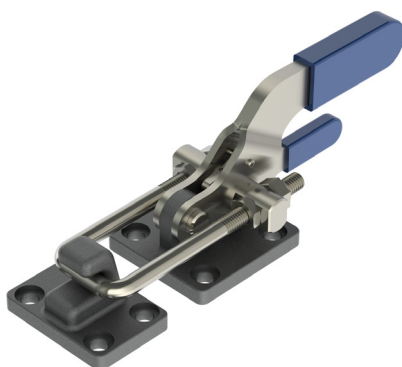
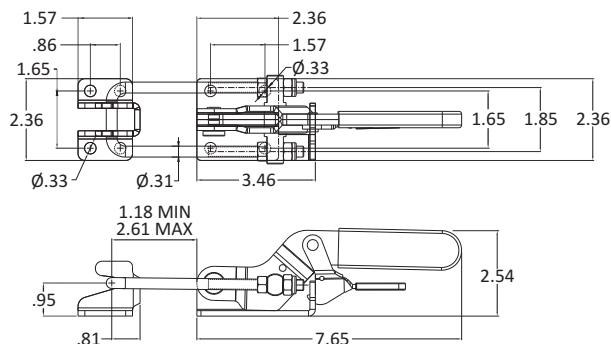
Part Number	Drawing Movement	Holding Capacity	Weight
70165	1.96 in	760 lbs (3.40 kN)	0.82 lbs (0.37 kg)



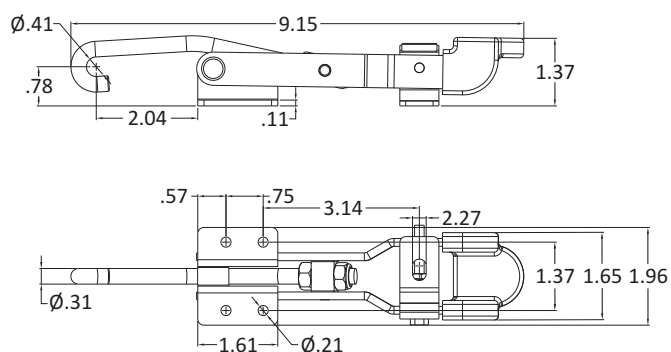
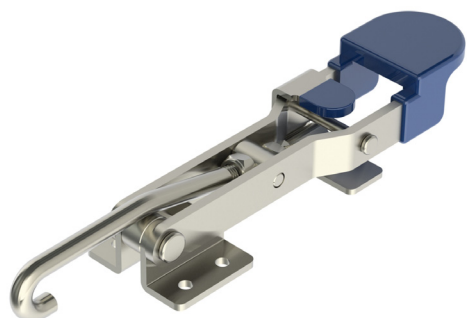
Part Number	Drawing Movement	Holding Capacity	Weight
70166	3.46 in	2,090 lbs (9.30 kN)	2.03 lbs (0.92 kg)



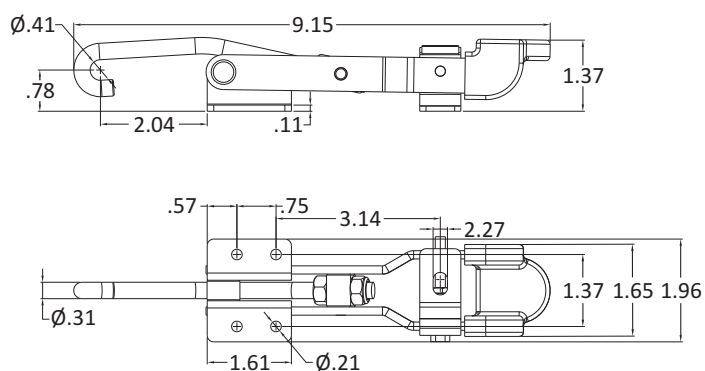
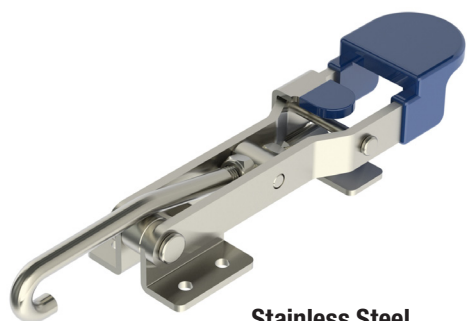
Stainless Steel



Pull Action Latch with Additional Locking Mechanism

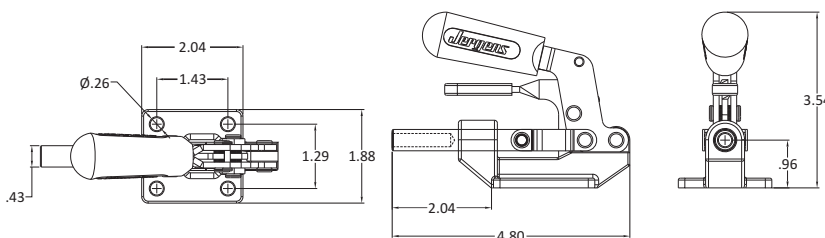
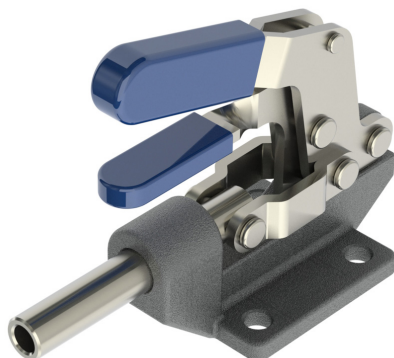


Part Number	Drawing Movement	Holding Capacity	Weight
70169	4.00 in	450 lbs (2.00 kN)	0.88 lbs (0.40 kg)

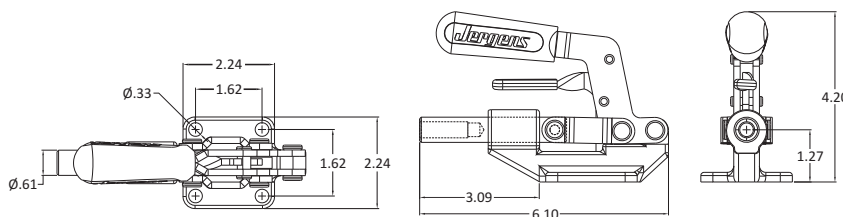
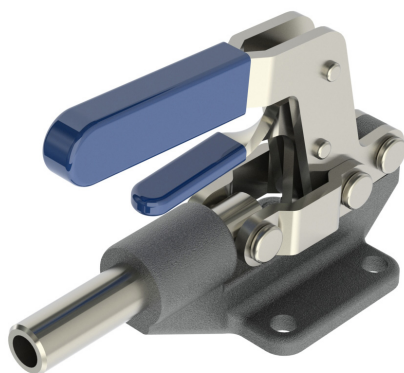


Part Number	Drawing Movement	Holding Capacity	Weight
70169-SS	4.00 in	450 lbs (2.00 kN)	0.88 lbs (0.40 kg)

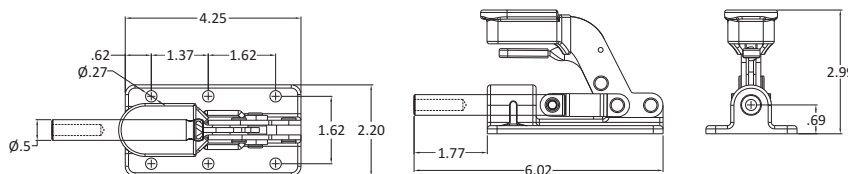
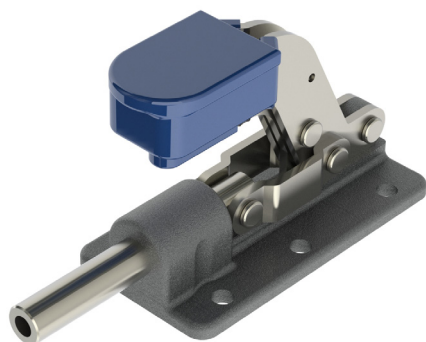
Straight Line Action with Additional Locking Mechanism



Part Number	Plunger Travel	Plunger Thread	Holding Capacity	Weight
70156	1.25 in	5/16-18	650 lbs (2.90 kN)	0.84 lbs (0.38 kg)

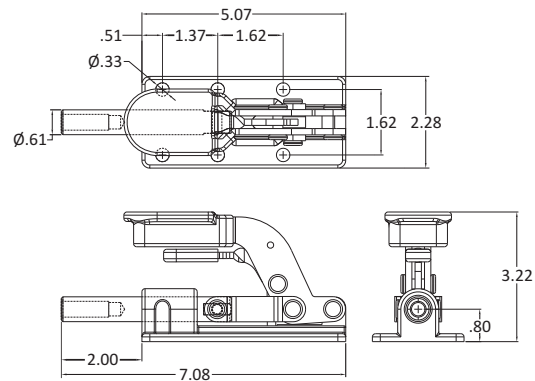
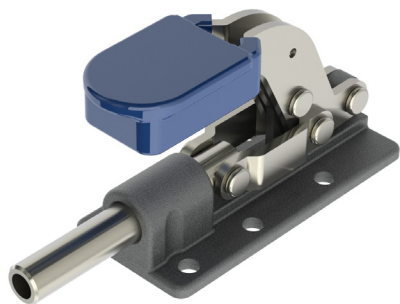


Part Number	Plunger Travel	Plunger Thread	Holding Capacity	Weight
70157	1.63 in	3/8-16	876 lbs (3.90 kN)	1.26 lbs (0.57 kg)



Part Number	Plunger Travel	Plunger Thread	Holding Capacity	Weight
70158	1.63 in	5/16-18	1,326 lbs (5.90 kN)	1.63 lbs (0.74 kg)

Straight Line Action
with Additional Locking Mechanism

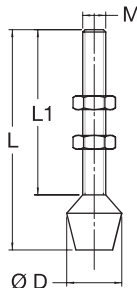


Part Number	Plunger Travel	Plunger Thread	Holding Capacity	Weight
70159	2.00 in	3/8-16	2,500 lbs (11.40 kN)	1.96 lbs (0.89 kg)

Spindles and Accessories

Rubber Tip Spindles

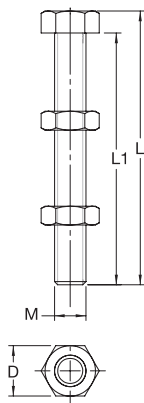
Includes 2 Jam Nuts



Part Number	D (in)	L (in)	L1 (in)	M
70058	0.59	2.16	1.65	1/4-20
70059	0.71	2.16	1.53	5/16-18
70060	0.91	3.50	2.71	3/8-16
70061	0.35	0.78	0.63	M4 X 0.7
70062	0.47	1.14	0.94	M5 X 0.8
70180	0.47	1.30	0.94	M5 X 0.8
70064	0.59	1.77	1.30	M6 X 1.0
70063	0.71	1.77	1.14	M8 X 1.25
70065	0.71	2.16	1.53	M8 X 1.25
70181	0.71	2.55	1.92	M8 X 1.25
70182	0.91	3.33	2.55	M10 X 1.5
70183	1.26	6.70	5.78	M16 X 2.0

Standard Hex Spindles

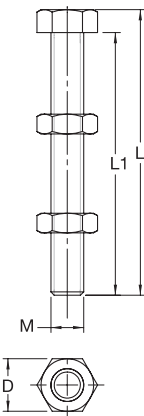
Includes 2 Jam Nuts



Part Number	D (in)	L (in)	L1 (in)	M
70068	0.44	0.80	0.62	1/4-20
70069	0.50	1.22	1.00	5/16-18
70070	0.56	1.50	1.25	3/8-16
70071	0.75	3.31	3.00	1/2-13
70072	0.75	4.81	4.50	1/2-13

Standard Hex Spindles - Stainless Steel

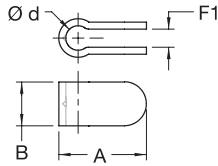
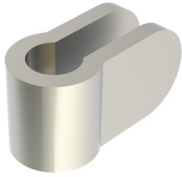
Includes 2 Jam Nuts



Part Number	D (in)	L (in)	L1 (in)	M
70093	0.31	1.30	1.18	M5 X 0.8
70094	0.39	1.73	1.57	M6 X 1.0
70095	0.51	2.77	2.56	M8 X 1.25
70097	0.44	1.67	1.50	1/4-20
70098	0.50	2.72	2.50	5/16-18
70099	0.94	6.70	6.30	M16 X 2.0

Spindles and Accessories

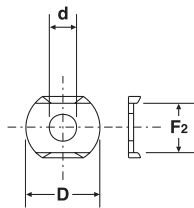
Bolt Retainer



Part Number	A (in)	B (in)	F1 (in)	d
70086	1.20	0.47	0.25	5/16 (M8)
70087	1.46	0.78	0.32	3/8 (M10)
70088	1.53	0.78	0.40	1/2 (M12)
70089	1.70	0.98	0.40	5/8 (M16)

Flanged Washers

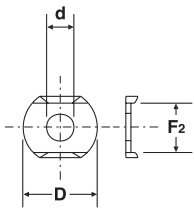
2 Washer Set



Part Number	D (in)	d (in)	F2 (in)
70110	0.35	0.17	—
70111	0.59	0.20	0.37
70112	0.77	0.24	0.53
70113	0.89	0.32	0.65
70114	0.98	0.40	0.77
70115	1.08	0.50	0.85
70116	1.22	0.64	1.16

Flanged Washers - Stainless Steel

2 Washer Set



Part Number	D (in)	d (in)	F2 (in)
70100	0.35	0.17	—
70101	0.59	0.20	0.37
70102	0.77	0.24	0.53
70103	0.89	0.32	0.65

70000.....4	70029-SS20	70060.....43	70126.....31
70000-SS4	70030.....20	70061.....43	70135.....12
70001.....4	70030-SS21	70062.....43	70137.....16
70002.....5	70031.....21	70063.....43	70139.....26
70003.....5	70031-SS21	70064.....43	70141.....16
70004.....6	70032.....22	70065.....43	70152.....33
70005.....6	70033.....22	70068.....43	70153.....33
70006.....7	70034.....22	70069.....43	70154.....34
70007.....7	70034-SS23	70070.....43	70155.....34
70007-SS7	70035.....23	70071.....43	70156.....41
70008.....8	70035-SS23	70072.....43	70157.....41
70009.....8	70036.....24	70086.....44	70158.....41
70010.....8	70037.....24	70087.....44	70159.....42
70011.....10	70037-SS24	70088.....44	70160.....34
70012.....10	70038.....25	70089.....44	70160-SS35
70013.....10	70039.....25	70093.....43	70161.....35
70014.....11	70040.....25	70094.....43	70161-SS35
70015.....11	70041.....26	70095.....43	70162.....36
70016.....12	70042.....27	70097.....43	70162-SS36
70017.....9	70043.....27	70098.....43	70163.....37
70018.....14	70043-SS27	70099.....43	70163-SS37
70018-SS14	70044.....28	70100.....44	70164.....37
70019.....14	70044-SS28	70101.....44	70164-SS38
70019-SS15	70045.....28	70102.....44	70165.....38
70020.....16	70046.....29	70103.....44	70166.....38
70021.....17	70047.....29	70110.....44	70166-SS39
70022.....17	70048.....29	70111.....44	70167.....39
70022-SS18	70049.....30	70112.....44	70168.....39
70023.....18	70050.....30	70113.....44	70169.....40
70024.....18	70051.....30	70114.....44	70169-SS40
70025.....19	70052.....31	70115.....44	70180.....43
70026.....15	70053.....12	70116.....44	70181.....43
70026-SS15	70053-SS13	70121.....6	70182.....43
70027.....17	70055-SS5	70122.....9	70183.....43
70028.....19	70058.....43	70123.....9	
70029.....20	70059.....43	70125.....11	



WORKHOLDING SOLUTIONS GROUP

NOTES

NOTES

We Are Jergens

WORKHOLDING SOLUTIONS



SUPPORT, LOCATE AND HOLD:

From standard components to vises and quick change fixture systems like Ball Lock®, ZPS, Fixture-Pro® Multi-Axis and Quick-Loc™.

We got our start back in 1942, manufacturing tooling components to help American manufacturers operate quickly and more efficiently. “The Standard Components with the Highest Standards”: This founding philosophy put Jergens on the forefront of the “lean manufacturing” movement before anyone even thought to put those two words together.

SPECIALTY FASTENERS



FASTEN, STRENGTHEN AND SECURE:

From threaded inserts and toggle clamps to Kwik-Lok® Pins.

In the years since, Jergens has structured its offering to advance the cause of leaner manufacturing, adding products and engineered solutions for an integrated approach to “Manufacturing Efficiency.”

LIFTING SOLUTIONS



LIFT, TURN AND TRACK:

From chain sling and eye bolts to hoist rings and our proprietary Lift-Check™ hoist rings.

You can find Jergens products just about anywhere in the manufacturing environment.

Jergens
MANUFACTURING EFFICIENCY



Jergens®

MANUFACTURING EFFICIENCY

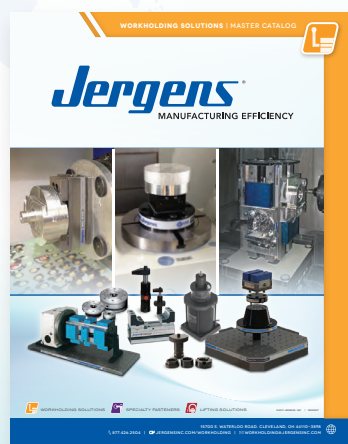
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