

**NEW**

**Models 6001-M and 6001-MSS:**

Model 6001 is a heavier duty version of Model 601 and has 50% greater holding capacity. It has a more flexible mounting base to enable side-mounting the clamp.



page **4.4**

**NEW**

**Models 95030, 95040, 95050, 95060:**

**Low profile plunger clamps**

These new low-profile plunger clamps can be used when over-head clearance is a problem. The large holding capacities for these clamps are packaged in a small compact design.



page **4.21**

**NEW**

**Models 6015-M and 6015-MR: Compact and robust**

Model 6015-M is the smallest of the straight-line, machined-cast base clamps. Its compact size allows it to be used in confined areas and on small fixtures. Handles are red vinyl dipped for greater operator comfort.



page **4.9, 4.10**

**NEW**

**Model 603-MR: With additional safety lock**

The patented design locks the release lever into the forged steel base to prevent accidental opening. The 603-MR is well adapted for use in confined areas because of its small package size and low height.



page **4.12**

## Product group - straight-line action clamps

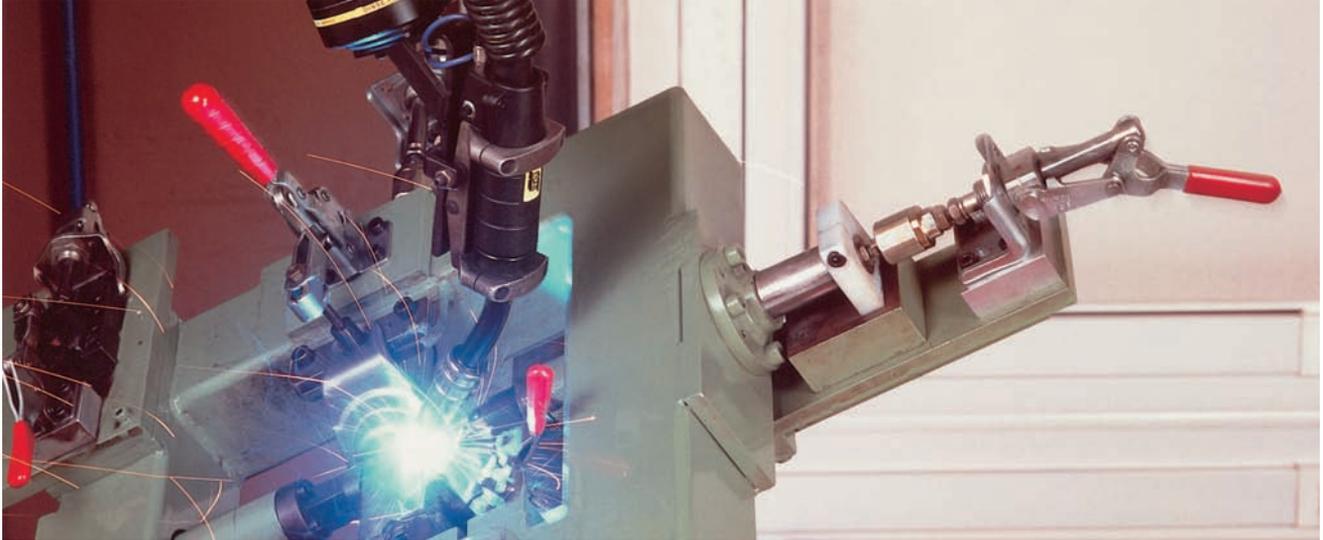
### Application areas

Ideal for clamping during soldering, gluing, locking, assembling, drilling, testing, positioning and much more. The straight-line action clamp range are distinguished by their compact design many versions lock in both the extended and retracted positions. They can withstand relatively high stresses.

### The essential product features

- The handle is easy to operate and moves the plunger of the clamp in an out along its axis
- Most versions lock in the extended and retracted positions
- Clamps can be mounted through drilled holes in the fixture, or using the flanged or straight mounting base

Model 604-MM in a robot-type welding fixture



	Model no.	Holding Capacity max. [lbs.]	Category	Page		Model no.	Holding Capacity max. [lbs.]	Category	Page
	6001-M	150	Standard	4.4		6015-M	580	Standard	4.9
	601 601-M 601-O	100 100 100	Standard Standard Standard	4.5		6015-MR	560	DE-STA-CO® Toggle Lock Plus	4.10
	602 602-MM 604 604-MM 624 624-MM	200 200 300 300 700 700	Threaded-body Threaded-body Threaded-body Threaded-body Threaded-body Threaded-body	4.6		603 603-M 608	600 600 600	Standard Standard Standard	4.11
	6004 6004-M	450 450	Threaded-body Threaded-body	4.7		605 605-M	300 300	Standard Standard	4.11

## Product group - straight-line action clamps

	Model no.	Holding Capacity max. [lbs.]	Category	Page		Model no.	Holding Capacity max. [lbs.]	Category	Page
	603-R 603-MR	600 600	DE-STA-CO® Toggle Lock Plus DE-STA-CO® Toggle Lock Plus	4.12		620 620-M 628	600 600 600	Standard Standard Standard	4.18
	606 606-M	450 450	Standard Standard	4.13		630 630-M 640 640-M	2,500 2,500 2,500 2,500	Standard Standard Standard Standard	4.19
	607 607-M 607-SQ 607-SQM	800 800 800 800	Standard Standard Standard Standard	4.14		630-R 630-MR	2,500 2,500	DE-STA-CO® Toggle Lock Plus DE-STA-CO® Toggle Lock Plus	4.19
	609 609-B	300 300	Standard Standard	4.15		650 650-M	16,000 16,000	Standard Standard	4.20
	610 610-M	800 800 800	Standard Standard Standard	4.16		95030 95040 95050 95060	550 1,100 1,650 3,965	Standard Standard Standard Standard	4.21
	615	300	Standard	4.16		670-1MB 670-1MBPLS 675-1MB 675-1MBPLS 690-MB 690-1MBPLS 695-MB 695-1MBPLS	2,400 2,400 2,400 2,400 5,000 5,000 5,000 5,000	Heavy-duty Heavy-duty Heavy-duty Heavy-duty Heavy-duty Heavy-duty Heavy-duty Heavy-duty	4.22
	614-M	1,200	Standard	4.17		SL3	150	Heavy-duty	4.24
	617	2,000	Standard	4.18					

# Standard straight-line action clamps



### Application areas

Model 6001-M is a heavier duty version of Model 601 and has 50% greater holding capacity. It is manufactured from heavy gauge material and has a more flexible mounting base to enable side-mounting the clamp.

### Product features

- Plunger with internal thread
- Rivets made of stainless steel
- Zinc plated and passivated
- Oil-resistant, vinyl dipped handle grip

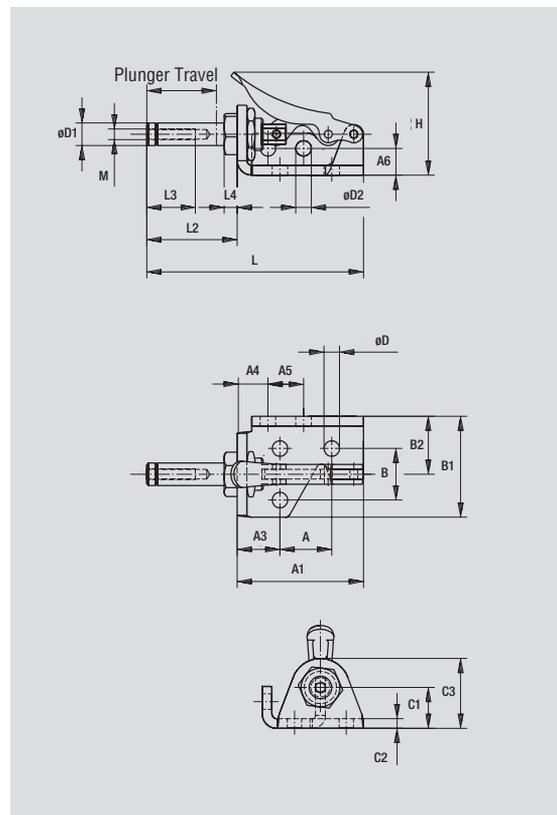
## Model 6001-M

Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖ [lbs.]	Recommendation (not supplied)	Plunger Thread (M)
6001-M	150	0.63	0.12	205208-M	M4

**ALSO AVAILABLE**

In Stainless Steel	Model 6001-MSS	Page 8.11
See accessories beginning on page 9.1.		

- Model locks in both the extended and retracted positions.
- Allow handle to fall below plane level to lock in retracted position.



Model no.	A	A1	A3	A4	A5	A6	B	B1	B2	C1	C2	C3	$\phi D$	$\phi D1$	$\phi D2$	H	L	L2	L3	L4
6001-M	0.63	1.54	0.52	0.37	0.43	0.33	0.63	1.23	0.71	0.50	0.12	0.85	0.19	0.28	0.19	1.30	2.63	1.10	0.59	0.16



# Standard straight-line action clamps

## Application areas

Ideal for all applications in which work is performed with holding capacities of up to 100 lbs., including gluing, soldering, assembling, drilling, testing, positioning and other processing operations.

## Product features

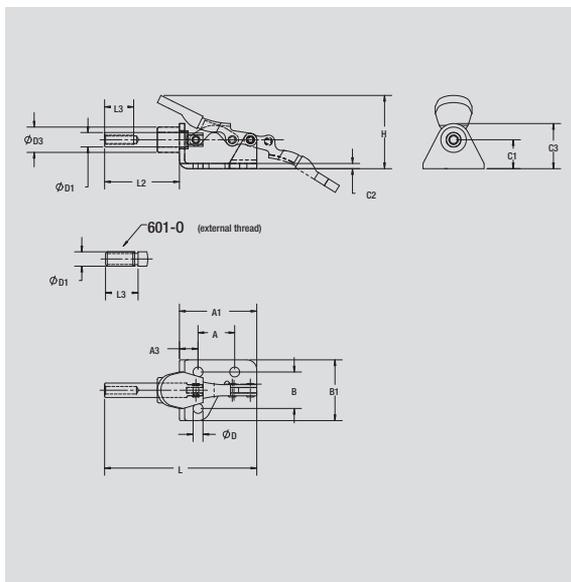
- Flanged mounting base
- Plunger with internal thread
- Rivets made of stainless steel

- Zinc plated
- Oil-resistant, vinyl dipped handle grip

## Accessories

- Straight-line action clamps are normally delivered without adjustment spindles. Recommendations are provided.
- Whenever required, the spindle can be purchased as an accessory part.

## Models 601, 601-M, 601-O



Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖️ [lbs.]	🔩 Recommendation (not supplied)	Plunger Thread (M)
601	100	0.63	0.09	105203 (supplied)	8-32
601-M	100	0.63	0.09	205208-M	M4
601-O	100	0.63	0.13	—	1/4-20

ALSO AVAILABLE		
As Air/Hydraulic	Model 816	Page 11.18
In Stainless Steel	Models 601-OSS, 601-SS,	Page 8.10
See accessories beginning on page 9.1.		

- Models lock in both the extended and retracted positions.
- Allow handle to fall below plane level to lock in retracted position.



Model no.	A	A1	A3	B	B1	C1	C2	C3	øD	øD1	øD3	H	L	L2	L3
601	0.63	1.33	0.32	0.63	1.05	0.50	0.09	0.78	0.17	0.25	0.44	1.27	2.62	1.29	0.50
601-M	0.63	1.33	0.32	0.63	1.05	0.50	0.09	0.78	0.17	0.25	0.44	1.27	2.62	1.29	0.50
601-O	0.63	1.33	0.32	0.63	1.05	0.50	0.09	0.78	0.17	0.25	—	1.27	2.86	1.53	0.56

## Threaded-body straight-line action clamps

### Application areas

Ideal for all applications in which work is performed with holding capacities of up to 700 lbs., including gluing, soldering, assembling, drilling, testing, positioning, also locking of containers and other processing operations.

This series is distinguished by its compact design. The single hole threaded mount permits rotation in any direction, allowing complete flexibility in the fixture.

### Product features

- Threaded body for direct installation in mounting plates and fixtures
- Plunger with internal thread

- Rivets made of stainless steel
- Zinc plated
- Oil-resistant, ergonomically shaped DE-STA-CO handle grip

### Accessories

- This series is delivered with a mounting jam nut as standard. Adjustment spindles can be ordered as an accessory part.
- You will find the matching mounting plate in the table on of this page. Please specify the corresponding model number with your order.

## Models 602, 602-MM, 604, 604-MM, 624, 624-MM

Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖️ [lbs.]	🔩 Recommendation (not supplied)	Plunger Thread (M)	Mounting Plate Accessories	Mounting Nut Standard Equipment
602	200	0.75	0.25	205203	1/4-20	—	602105
602-MM	200	0.75	0.25	205203-M	M6	602106-M	602105-M
604	300	1.50	0.44	207203	5/16-18	604106	606104
604-MM	300	1.50	0.44	207203-M	M8	604106-M	606104-M
624	700	2.63	1.63	210203	3/8-16	624108	624105
624-MM	700	2.63	1.63	210203-M	M10	624106-M	624105-M

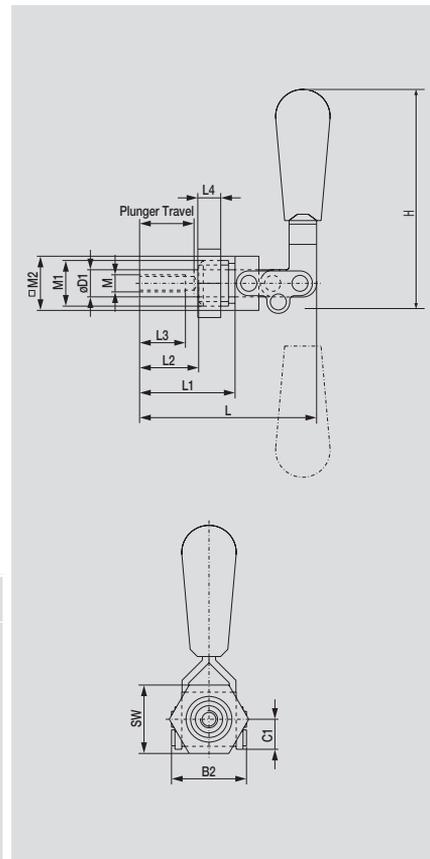
### ALSO AVAILABLE

In Stainless Steel	Models 602-SS, 604-SS Model 624-SS	Page 8.12 Page 8.12
See accessories beginning on page 9.1.		

- Models lock in both the extended and retracted positions.



Model no.	B2	C1	øD1	H	L	L1	L2	L3	L4	M1	M2	SW
602	1.03	0.88	0.37	3.13	2.62	1.31	0.97	0.63	0.25	5/8-18	0.75	0.44
602-MM	1.03	0.88	0.37	3.13	2.62	1.31	0.97	0.63	0.25	M16x1.5	0.75	24mm
604	1.30	0.50	0.44	4.16	4.95	2.18	1.82	1.00	0.25	3/4-16	0.88	1.00
604-MM	1.30	0.50	0.44	4.16	4.95	2.18	1.82	1.00	0.25	M20x1.5	0.88	30mm
624	1.81	0.75	0.62	5.60	6.68	3.62	3.24	1.25	0.25	1-14	1.25	1.50
624-MM	1.81	0.75	0.62	5.60	6.68	3.62	3.24	1.25	0.25	M27x2	1.25	41mm

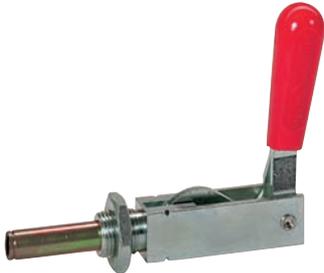
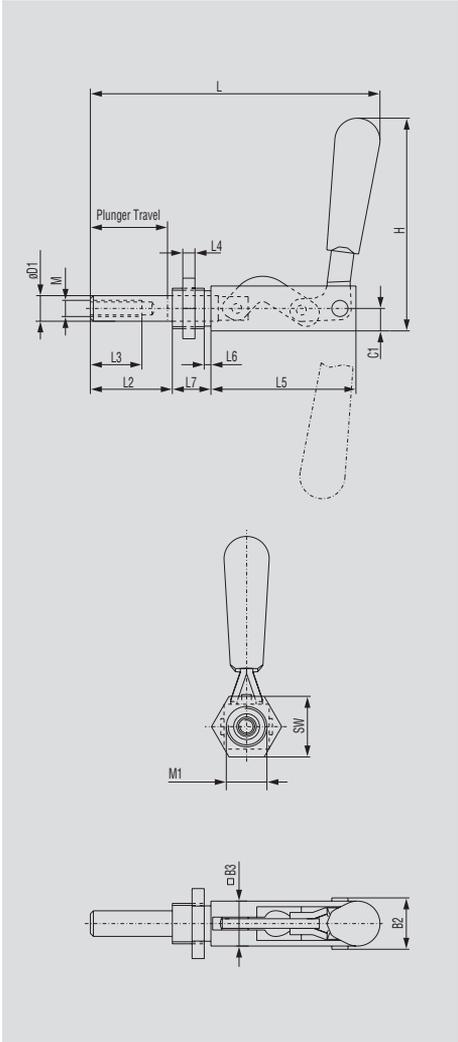


# Models 6004, 6004-MM

Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	 [lbs.]	 Recommendation (not supplied)	Plunger Thread (M)	Mounting Plate Accessories	Mounting Nut Standard Equipment
6004	450	1.50	0.81	207203	5/16-18	604106	606104
6004-MM	450	1.50	0.81	207203-M	M8	604106-M	606104-M

See additional adjustment spindles beginning on page 9.1.

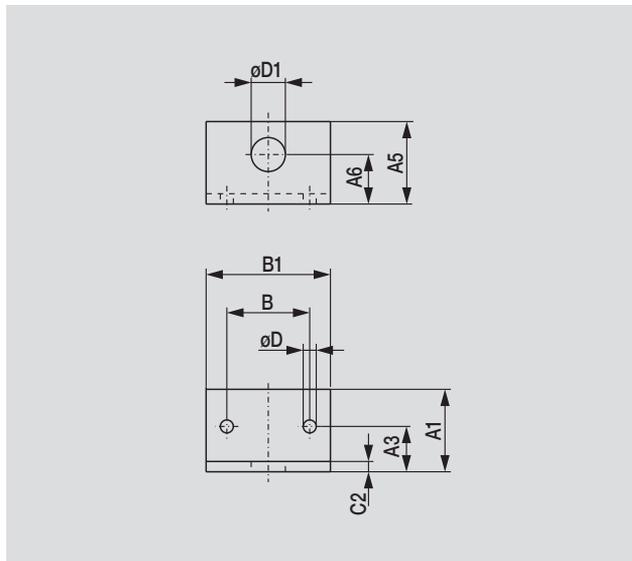
■ Models locks in both the extended and retracted positions.



Model no.	B2	B3	C1	øD1	H	L	L2	L3	L4	L5	L6	L7	M1	SW				
6004	1.00	0.88	0.44	0.50	4.18	5.78	1.59	1.00	0.25	2.81	0.13	0.75	0.75	1.00				
6004-MM	1.00	0.88	0.44	0.50	4.18	5.78	1.59	1.00	0.25	2.81	0.13	0.75	0.75	30mm				

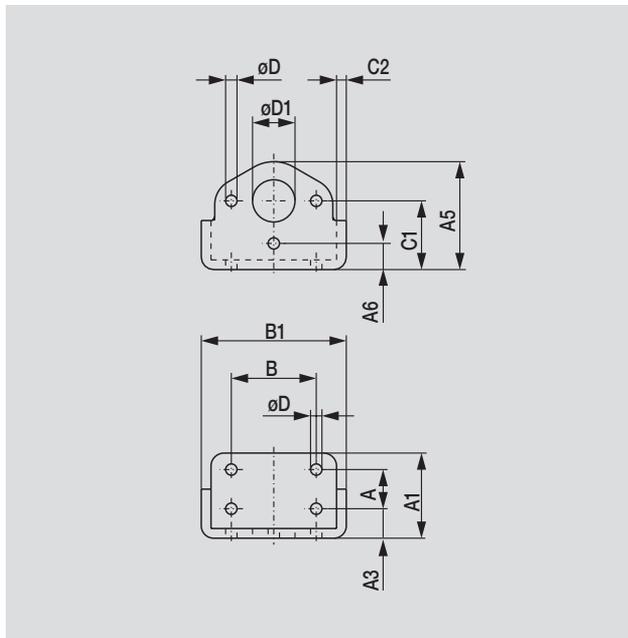
## Mounting plate for series 602, 604, 624, 6004

For model **602-MM**  
Order no.: 602106-M ▲



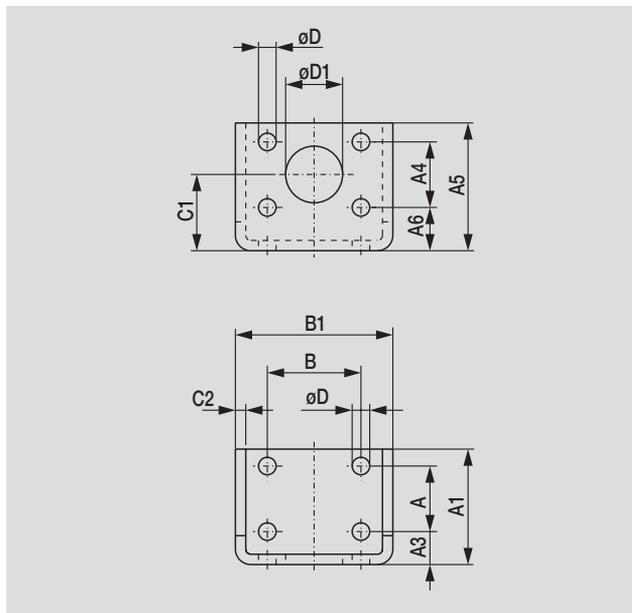
For model **604-MM, 6004-MM**  
Order no.: 604106-M

For model **604**  
Order no.: 604106



For model **624-MM**  
Order no.: 624106-M ▲

For model **624**  
Order no.: 624108 ▲



Order no.	For Model no.	A	A1	A3	A4	A5	A6	B	B1	C1	C2	$\phi D$	$\phi D1$
602106-M ▲	602-MM	–	1.57	0.87	–	1.57	–	1.57	2.36	0.94	0.20	0.26	0.65
604106	604	0.75	1.60	0.57	–	2.07	0.49	1.62	2.80	1.30	0.18	0.22	0.75
604106-M	604-MM, 6004-MM	0.75	1.60	0.57	–	2.07	0.49	1.62	2.80	1.30	0.18	0.22	0.75
624108 ▲	624	0.88	1.50	–	–	–	–	2.31	3.00	0.75	0.25	0.28	1-14
624106-M ▲	624-MM	1.26	2.20	0.63	1.26	2.44	0.83	1.77	3.00	1.46	0.20	0.33	1.08

▲ Available upon request



# Standard straight-line action clamps

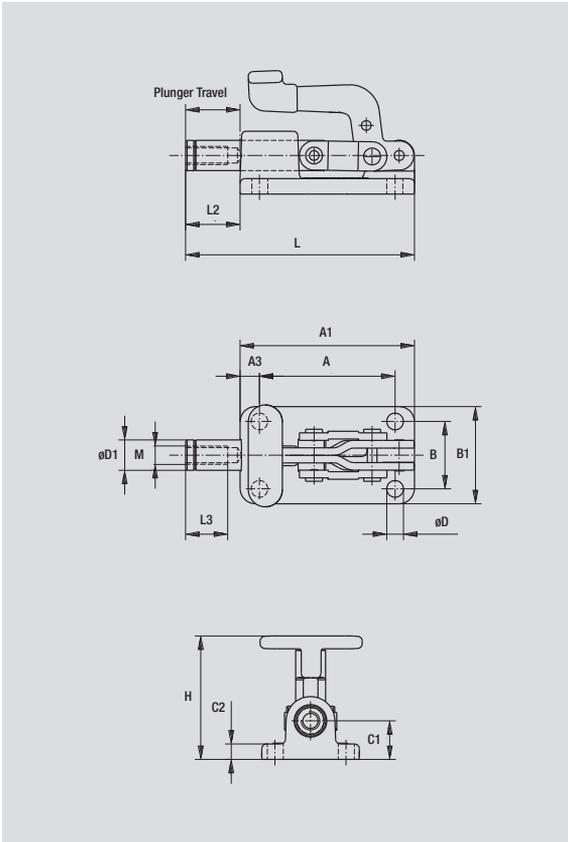
## Application areas

Model 6015-M is the smallest of the straight-line, machined-cast base clamps. Its compact size allows it to be used in confined areas and on small fixtures. The plunger is threaded to accept any M6 clamping spindle. Handles are red vinyl dipped for greater operator comfort.

## Product features

- Plunger with internal thread
- Rivets made of stainless steel
- Casted base, black-oxide finish
- Other parts zinc plated
- Oil-resistant, vinyl dipped handle grip

## Model 6015-M



Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖ [lbs.]	Recommendation (not supplied)	Plunger Thread (M)
6015-M	580	0.70	0.34	205203-M	M6

ALSO AVAILABLE		
As DE-STA-CO® Toggle Lock Plus	Model 6015-M-R	Page 4.9
As Stainless Steel	Model 6015-M-SS	Page 8.13
See accessories beginning on page 9.1.		

- Model locks in both the extended and retracted positions.
- Allow handle to fall below plane level to lock in retracted position.



Model no.	A	A1	A3	B	B1	C1	C2	øD	øD1	H	L	L2	L3					
6015-M	1.75	2.25	0.25	0.88	1.25	0.50	0.20	0.22	0.38	1.60	2.95	0.70	0.75					

## Standard straight-line action clamps



### Application areas

Model 6015-M-R is another new addition to our line of DE-STA-CO® Toggle Lock Plus clamps. Its compact size allows use in confined areas and on small fixtures where safety is a concern.

### Product features

- Plunger with internal thread
- Rivets made of stainless steel
- Casted base, black-oxide finish
- Other parts zinc plated

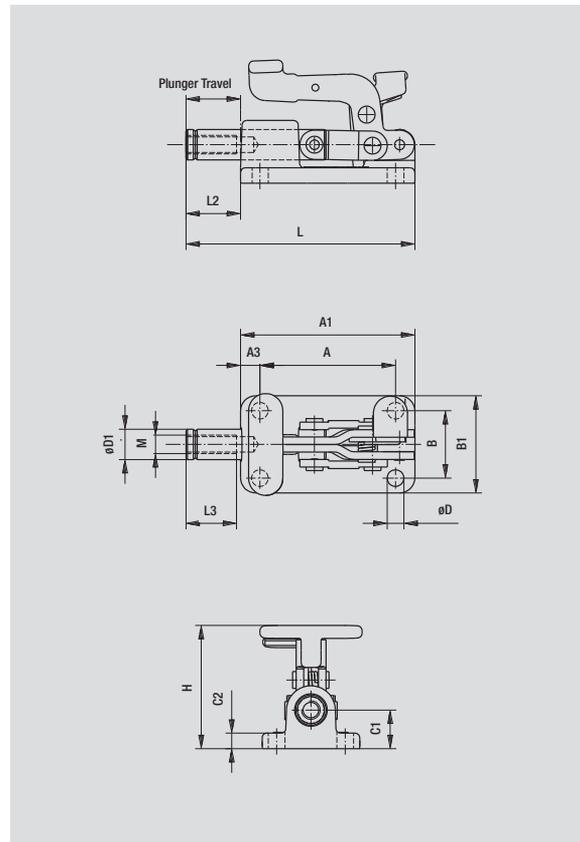
## Model 6015-MR

Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖ [lbs.]	Recommendation (not supplied)	Plunger Thread (M)
6015-MR	560	0.70	0.34	205203-M	M6

### ALSO AVAILABLE

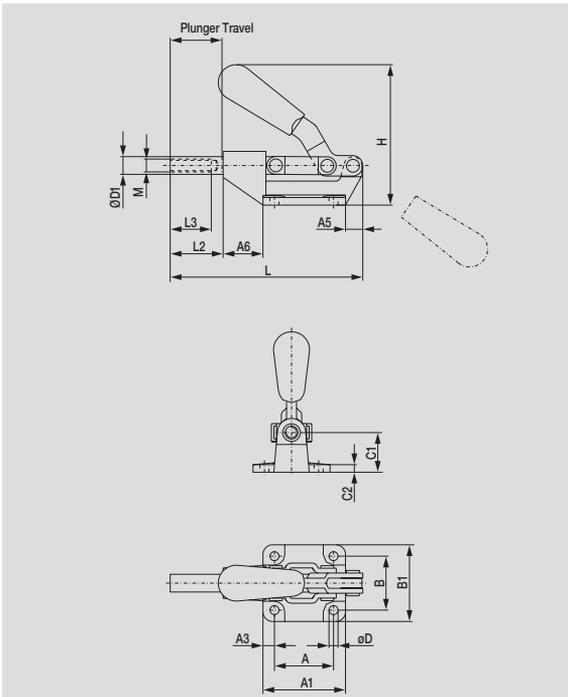
See accessories beginning on page 9.1.

- DE-STA-CO® Toggle Lock Plus
- Model locks in both the extended and retracted positions, but the release lever only engages in the extended position.
- Allow handle to fall below plane level to lock in retracted position.



Model no.	A	A1	A3	B	B1	C1	C2	øD	øD1	H	L	L2	L3						
6015-MR	1.75	2.25	0.25	0.88	1.25	0.50	0.20	0.22	0.38	1.60	2.95	0.70	0.75						

# Models 603, 603-M, 608



Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖ [lbs.]	Recommendation (not supplied)	Plunger Thread (M)
603	600	1.25	0.83	207203	5/16-18
603-M ▲	600	1.25	0.83	207203-M	M8
608	850	1.63	1.25	210203	3/8-16

ALSO AVAILABLE		
As Air/Hydraulic	Model 803	Page 11.17
In DE-STA-CO® Toggle Lock Plus	Model 603-R	Page 4.11
In Stainless Steel	Model 603-SS	Page 8.12

See accessories beginning on page 9.1.

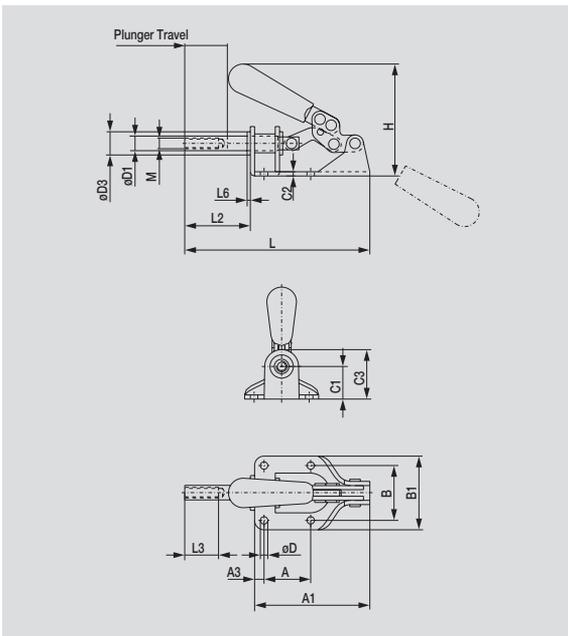
- Models lock in both the extended and retracted positions.
- Allow handle to fall below plane level to lock in retracted position.



Model no.	A	A1	A3	A5	A6	B	B1	C1	C2	øD	øD1	H	L	L2	L3
603	1.44	2.00	0.28	0.58	0.94	1.31	1.88	0.97	0.19	0.27	0.44	3.43	4.73	1.22	1.00
603-M ▲	1.44	2.01	0.28	0.62	0.88	1.31	1.89	0.96	0.18	0.26	0.44	3.43	4.80	1.30	1.00
608	1.63	2.25	0.31	0.75	1.40	1.63	2.25	1.25	0.19	0.33	0.62	4.12	6.00	1.60	1.25

▲ Available upon request

# Models 605, 605-M



Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖ [lbs.]	Recommendation (not supplied)	Plunger Thread (M)
605	300	1.25	0.69	207203	5/16-18
605-M ▲	300	1.25	0.69	207203-M	M8

See additional adjustment spindles beginning on page 9.1.

- Model locks in both the extended and retracted positions.
- Allow handle to fall below plane level to lock in retracted position.



Model no.	A	A1	A3	B	B1	C1	C2	C3	øD	øD1	øD3	H	L	L2	L3	L6
605	1.38	3.41	0.28	1.63	2.19	0.97	0.12	1.47	0.22	0.44	0.75	3.44	5.48	1.94	1.00	0.10
605-M ▲	1.38	3.41	0.28	1.63	2.19	0.97	0.13	1.47	0.22	0.44	0.69	3.44	5.47	1.94	1.00	0.09

▲ Available upon request

# Standard straight-line action clamps



### Application areas

Patented DE-STA-CO® Toggle Lock Plus design locks the release lever into the forged steel base to prevent accidental opening. The 603-R is well adapted for use in confined areas because of its small package size and low height. The ergonomic handle is slanted forward to provide an adequate grip and yet enhance the low silhouette. Clamp locks in both the extended and retracted positions while the release lever secures the clamp in the extended position only.

### Product features

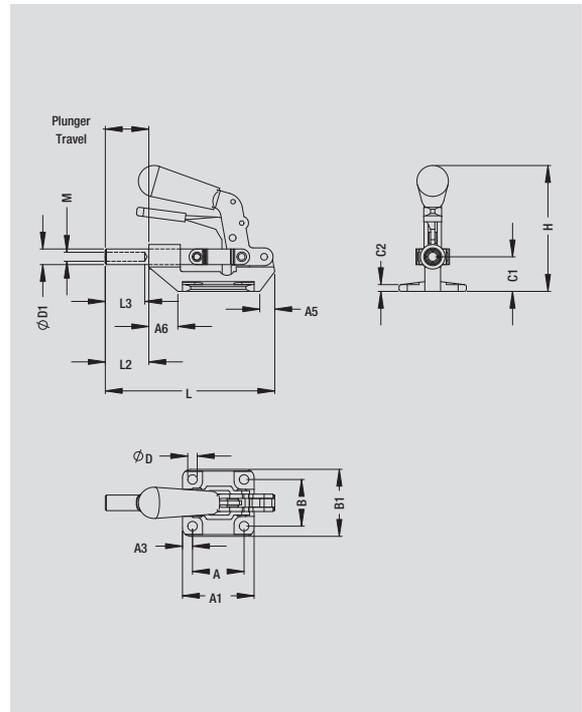
- Plunger with internal thread
- Rivets made of stainless steel
- Forged steel base, black-oxide finish
- Other parts zinc plated and passivated
- Oil-resistant, ergonomically shaped DE-STA-CO handle grip

## Models 603-R, 603-MR

Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖ [lbs.]	Recommendation (not supplied)	Plunger Thread (M)
603-R	600	1.25	0.83	207203	5/16-18
603-MR ▲	600	1.25	0.83	207203-M	M8

See additional adjustment spindles beginning on page 9.1.

- DE-STA-CO® Toggle Lock Plus
- Allow handle to fall below plane level to lock in retracted position.



Model no.	A	A1	A3	A5	A6	B	B1	C1	C2	øD	øD1	H	L	L2	L3				
603-R	1.44	2.00	0.28	0.58	0.94	1.31	1.88	0.97	0.19	0.27	0.44	3.43	4.73	1.22	1.00				
603-MR ▲	1.44	2.01	0.28	0.62	0.88	1.31	1.89	0.96	0.18	0.26	0.44	3.43	4.80	1.30	1.00				

▲ Available upon request

**Application areas**

Ideal for all applications in which work is performed with holding capacities of up to 450 lbs., including gluing, soldering, assembling, drilling, testing, positioning and other processing operations.

Due to the flexible design of the plunger and the variable method of rotating the handle position, complete flexibility in the fixture design is possible.

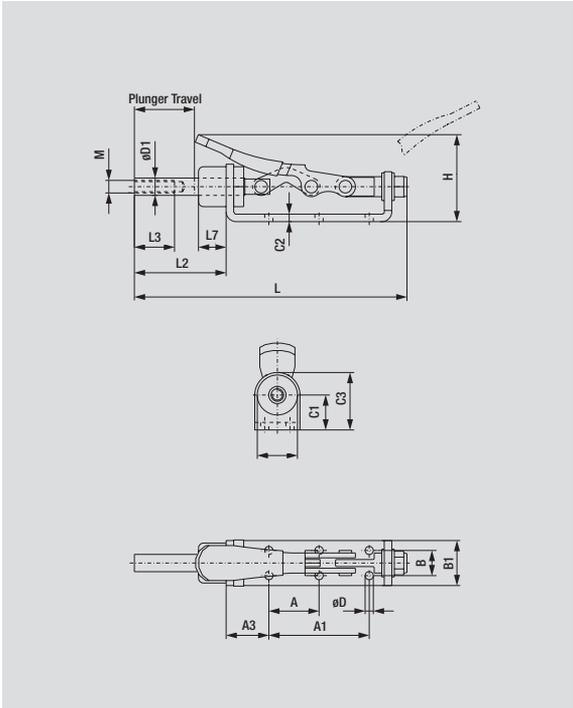
**Product features**

- Rivets made of stainless steel
- Zinc plated
- Oil-resistant, vinyl dipped handle grip

**Accessories**

- Straight-line action clamps are normally delivered without adjustment spindles. Recommendations are provided.
- Whenever required, the spindle can be purchased as an accessory part.

**Models 606, 606-M**



Model no.	Holding Capacity [lbs.]	Plunger Travel	Weight [lbs.]	Recommendation (not supplied)	Plunger Thread (M)
606	450	1.57	0.81	207203	5/16-18
606-M ▲	450	1.57	0.81	207203-M	M8

See additional adjustment spindles beginning on page 9.1.

- Handle and plunger can be rotated in radial direction for vertical or horizontal handle action.
- Models lock in only the extended position.



Model no.	A	A1	A3	B	B1	C1	C2	C3	øD	øD1	H	L	L2	L3	L7				
606	1.25	2.50	1.07	0.63	1.13	0.88	0.19	1.45	0.20	0.44	2.47	6.72	2.26	1.00	0.69				
606-M ▲	1.25	2.50	1.07	0.63	1.13	0.88	0.19	1.45	0.20	0.44	2.47	6.72	2.26	1.00	0.69				

▲ Available upon request



# Standard straight-line action clamps

### Application areas

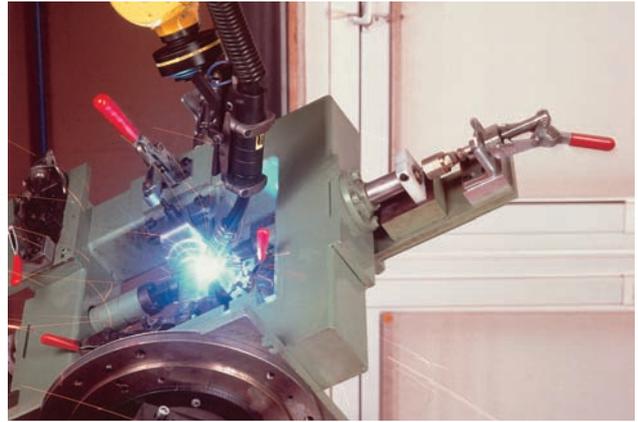
Ideal for all applications in which work is performed with holding capacities of up to 800 lbs., including assembling, drilling, testing, positioning and other processing operations.

### Product features

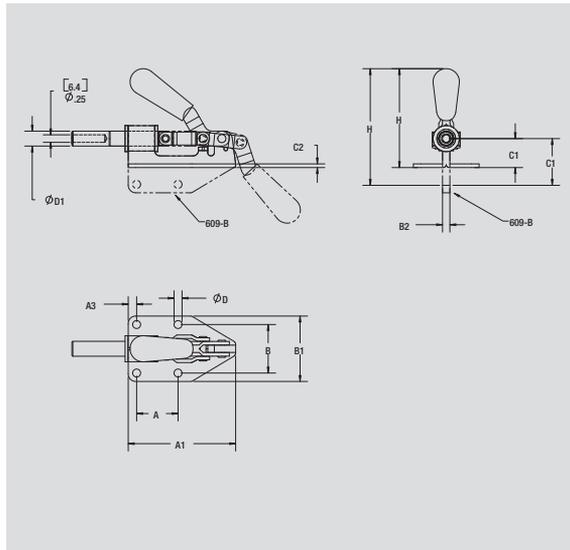
- Rivets made of stainless steel
- Zinc plated linkage
- Oil-resistant, ergonomically shaped DE-STA-CO handle grip
- Straight and flanged base

### Accessories

- Straight-line action clamps are normally delivered without adjustment spindles. Recommendations are provided.
- Whenever required, the spindle can be purchased as an accessory part.



## Models 609, 609-B



Model no.	Holding Capacity [lbs.]	Plunger Travel	Weight [lbs.]	Recommendation (not supplied)	Plunger Thread (M)
609	300	1.25	0.88	207203	5/16-18
609-B	300	1.25	0.88	207203	5/16-18

See additional adjustment spindles beginning on page 9.1.

- Models lock in both the extended and retracted positions.
- Allow handle to fall below plane level to lock in retracted position.



Model 609



Model 609-B

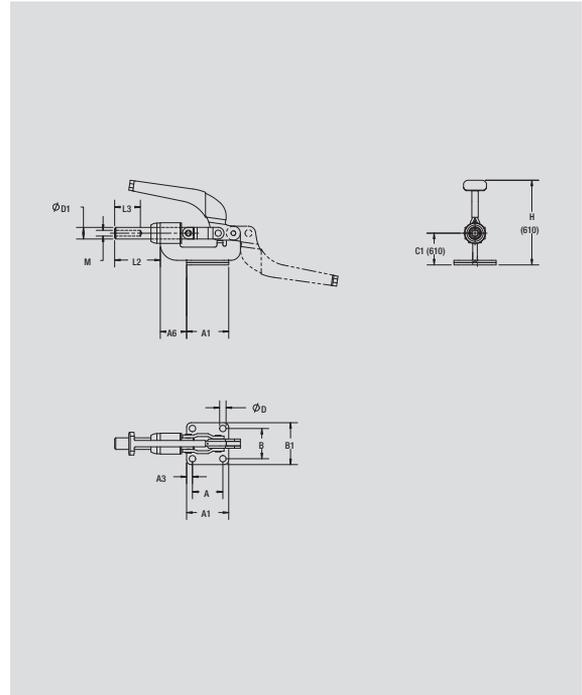
Model no.	A	A1	A3	B	B1	B2	C1	C2	øD	øD1	H
609	1.38	3.58	0.28	1.62	2.19	–	0.97	0.12	0.27	0.44	3.29
609-B	1.38	3.58	0.28	0.24	–	0.93	1.82	–	0.27	0.44	4.14

## Models 610, 610-M

Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖️ [lbs.]	🔩 Recommendation (not supplied)	Plunger Thread (M)
610	800	1.63	1.69	210203	3/8-16
610-M ▲	800	1.63	1.69	210203-M	M10

See additional adjustment spindles beginning on page 9.1.

- Models lock in both the extended and retracted positions.
- Allow handle to fall below plane level to lock in retracted position.



Model no.	A	A1	A3	A6	B	B1	C1	C2	φD	φD1	H	H1	H2	L	L2	L3
610	1.62	2.25	0.31	1.41	1.62	2.25	1.70	0.25	0.34	0.62	4.55	—	—	6.72	2.44	1.25
610-M ▲	1.62	2.25	0.31	1.41	1.62	2.25	1.70	0.25	0.34	0.62	4.55	—	—	6.72	2.44	1.25

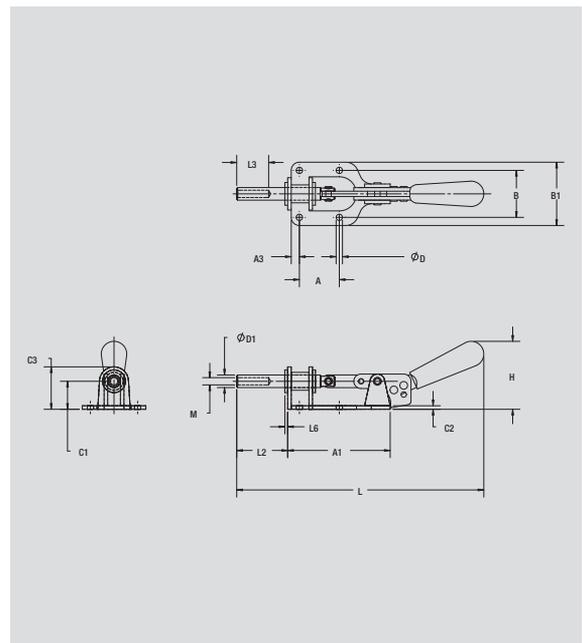
▲ Available upon request

## Model 615

Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖️ [lbs.]	🔩 Recommendation (not supplied)	Plunger Thread (M)
615	300	0.97	0.69	207203	5/16-18

See additional adjustment spindles beginning on page 9.1.

- Model locks only in the extended position.



Model no.	A	A1	A3	B	B1	C1	C2	C3	φD	φD1	H	L	L2	L3	L6
615	1.63	3.53	0.28	1.63	2.19	0.97	0.12	1.47	0.22	0.44	2.35	8.51	1.75	1.00	0.16



# High precision, threaded-body straight-line action clamps

## Application areas

Ideal for all applications in which highly precise clamping is required with holding capacities of up to 1,200 lbs., including assembling, drilling, testing, positioning, locking of containers and other processing operations.

This series is distinguished by its compact design. The single hole threaded mount permits rotation in any direction, allowing complete flexibility in the fixture.

## Product features

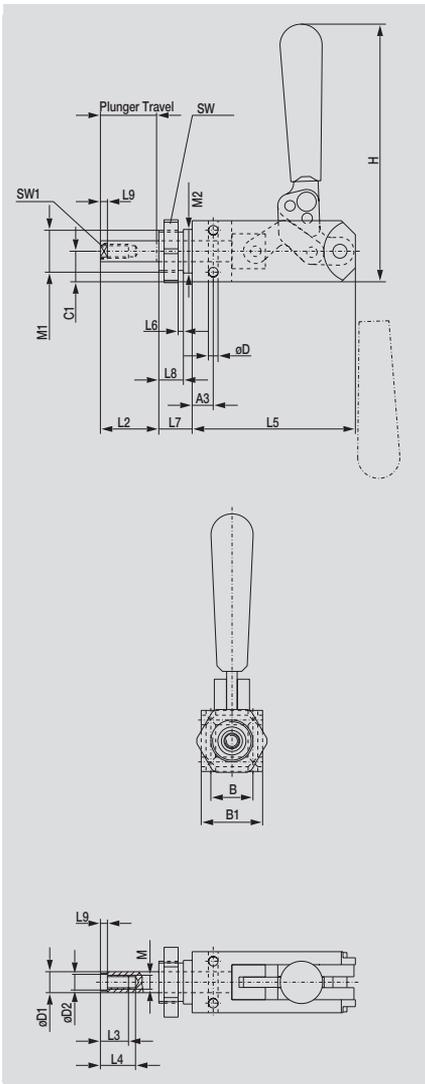
- Precision model
- Hardened and polished plunger

- Front-side external threads for direct installation in sheet-metal plates and fixtures
- Plunger with internal thread
- Oil-resistant, ergonomically shaped DE-STA-CO handle grip

## Accessories

- Straight-line action clamps are normally delivered without adjustment spindles. Recommendations are provided.
- Whenever required, the spindle can be purchased as an accessory part.

## Model 614-M



Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖ [lbs.]	⚙ Recommendation (not supplied)	Plunger Thread (M)	Mounting Nut Standard Equipment
614-M ▲	1,200	1.25	1.81	207203-M	M8	614-1-10

See additional adjustment spindles beginning on page 9.1.

- Model locks in both the extended and retracted positions.



Model no.	A3	B	B1	C1	øD	øD1	øD2	H	L2	L3	L4	L5	L6	L7	L8	L9	M1	M2	SW	SW1
614-M ▲	0.87	0.94	1.38	0.69	0.22	0.47	0.35	5.81	1.32	0.63	0.79	3.66	0.12	0.75	0.55	0.16	M24 x 1.5	0.98	36	10

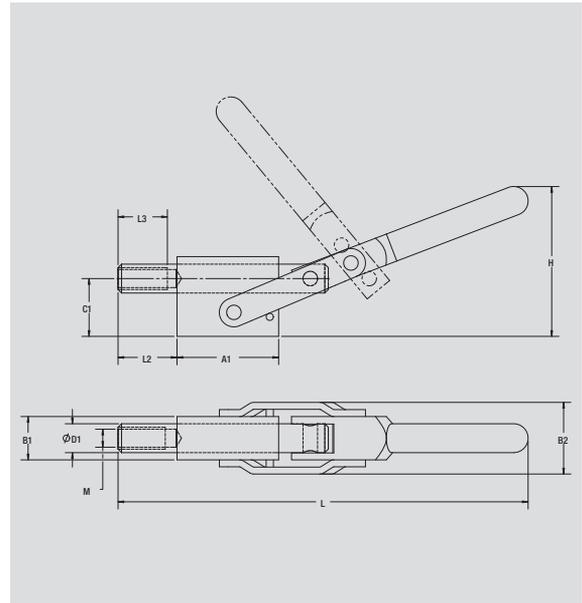
▲ Available upon request

# Model 617

Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖️ [lbs.]	🔩 Recommendation (not supplied)	Plunger Thread (M)
617 ▲	2,000	1.00	0.88	461203	5/16-18

Additional adjustment spindles are listed from page 9.1 forward

■ Model locks only in the extended positions.



Model no.	A1	B1	C1	øD1	H	L	L3											
617 ▲	1.75	0.75	1.00	0.50	2.59	7.06	0.85											

▲ Available upon request

# Models 620, 620-M

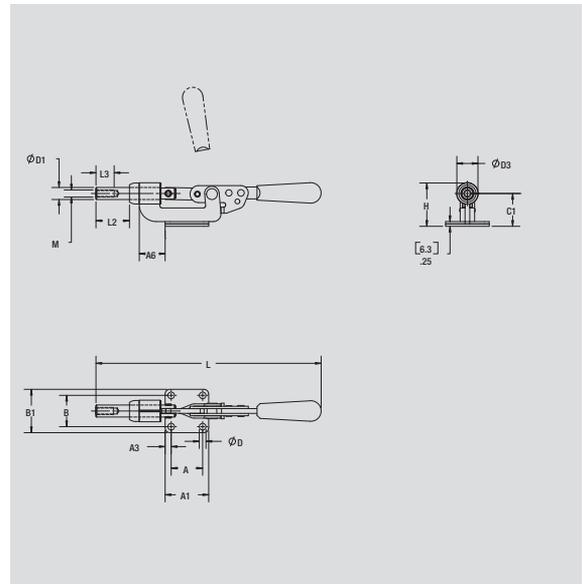
Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖️ [lbs.]	🔩 Recommendation (not supplied)	Plunger Thread (M)
620	600	1.11	1.50	210203	3/8-16
620-M ▲	600	1.11	1.50	210203-M	M10

See additional adjustment spindles beginning on page 9.1.

■ Models lock only in the extended position.



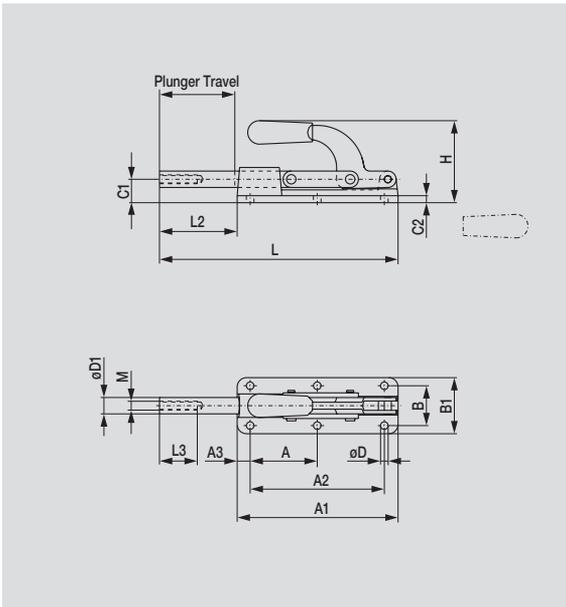
**Model 620-M**  
Handle and plunger move in opposite directions.



Model no.	A	A1	A3	A6	B	B1	B2	C1	C2	øD	øD1	øD3	H	H1	H2	L	L2	L3
620	1.63	2.25	0.31	1.33	1.63	2.25	-	1.70	0.25	0.34	0.62	1.09	2.26	-	-	11.63	1.73	1.00
620-M ▲	1.63	2.25	0.31	1.33	1.63	2.25	-	1.70	0.25	0.34	0.62	1.09	2.26	-	-	11.63	1.73	1.00

▲ Available upon request

# Models 630, 630-M, 640, 640-M



Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖ [lbs.]	Recommendation (not supplied)	Plunger Thread (M)
630	2,500	2.00	1.90	210203	3/8-16
630-M ▲	2,500	2.00	1.90	210203-M	M10
640	7,500	4.00	6.71	220203	1/2-13
640-M ▲	7,500	4.00	6.71	220203-M	M12

ALSO AVAILABLE		
As Air/Hydraulic	Model 830	Page 11.20
In DE-STA-CO® Toggle Lock Plus	Model 630-R	Page 4.18
See accessories beginning on page 9.1.		

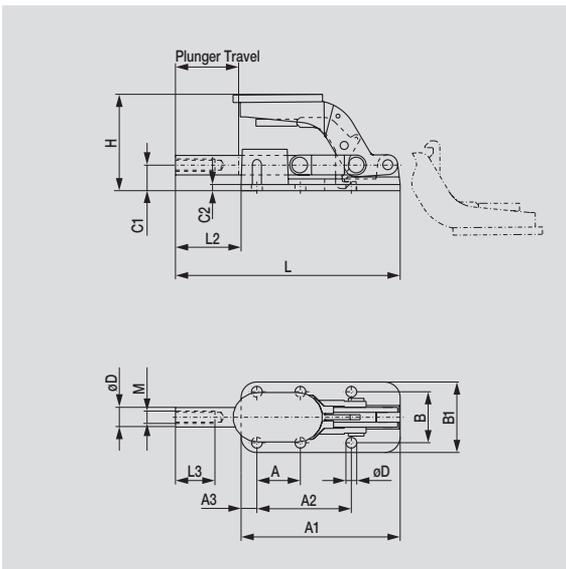
- Models lock in both the extended and retracted positions.
- Allow handle to fall below plane level to lock in retracted position.



Model no.	A	A1	A2	A3	B	B1	C1	C2	øD	øD1	H	L	L2	L3
630	1.38	5.03	3.00	0.50	1.63	2.25	0.81	0.18	0.34	0.62	3.09	7.00	1.97	1.25
630-M ▲	1.38	5.03	3.00	0.50	1.63	2.25	0.81	0.18	0.34	0.62	3.09	7.00	1.97	1.25
640	3.56	8.53	7.12	0.69	2.13	3.00	1.25	0.38	0.41	0.87	4.39	12.66	4.13	2.00
640-M ▲	3.56	8.53	7.12	0.69	2.13	3.00	1.25	0.38	0.41	0.87	4.39	12.66	4.13	2.00

▲ Available upon request

# Models 630-R, 630-MR



Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖ [lbs.]	Recommendation (not supplied)	Plunger Thread (M)
630-R	2,500	2.00	1.90	210203	3/8-16
630-MR ▲	2,500	2.00	1.90	210203-M	M10

See additional adjustment spindles beginning on page 9.1.

- DE-STA-CO® Toggle Lock Plus version of models 630, 630-M
- Plunger with internal thread
- Cast base, black-oxide finish
- Allow handle to fall below plane level to lock in retracted position.



Model no.	A	A1	A2	A3	B	B1	C1	C2	øD	øD1	H	L	L2	L3
630-R	1.38	5.03	3.00	0.50	1.63	2.25	0.81	0.18	0.34	0.62	3.06	7.00	1.97	1.25
630-MR ▲	1.38	5.03	3.00	0.50	1.63	2.25	0.81	0.18	0.34	0.62	3.06	7.00	1.97	1.25

▲ Available upon request

## Standard straight-line action clamps

### Application areas

Ideal for all applications in which work is performed with holding capacities of up to 16,000 lbs., including assembling, drilling, testing, positioning and other processing operations.

### Product features

- Flanged base
- Plunger with internal thread
- Forged base, black-oxide finish
- Rivets made of stainless steel
- Zinc plated

### Accessories

- Straight-line action clamps are normally delivered without adjustment spindles. Recommendations are provided.
- Whenever required, the spindle can be purchased as an accessory part.

## Models 650, 650-M

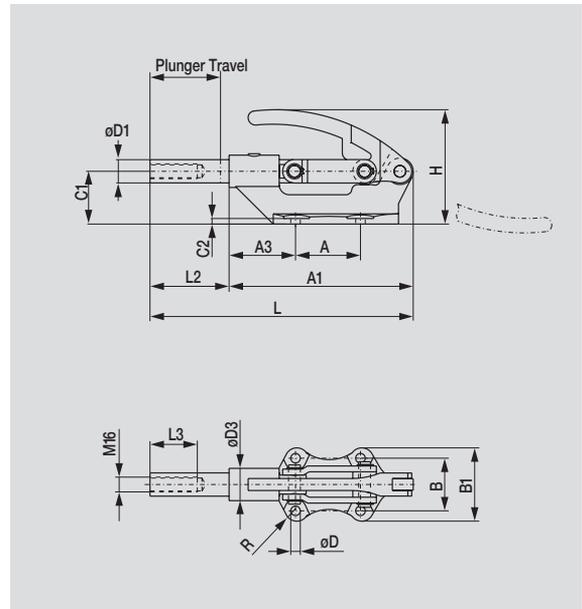
Model no.	Holding Capacity [lbs.]	Plunger Travel	[lbs.]	Recommendation (not supplied)	Plunger Thread (M)
650	16,000	3.00	5.59	250203	5/8-11
650-M ▲	16,000	3.00	5.59	250203-M	M16

### ALSO AVAILABLE

As Air/Hydraulic Model 850 Page 11.21

See accessories beginning on page 9.1.

- Models lock in both the extended and retracted positions.
- Allow handle to fall below plane level to lock in retracted position.



Model no.	A	A1	A3	B	B1	C1	C2	øD	øD1	øD3	H	L	L2	L3	R				
650	2.75	7.81	2.88	2.25	3.25	2.25	0.25	0.41	0.99	1.38	4.87	11.16	3.35	2.00	0.45				
650-M ▲	2.75	7.81	2.88	2.25	3.25	2.25	0.25	0.41	0.99	1.38	4.87	11.16	3.35	2.00	0.45				

▲ Available upon request



# Standard straight-line action clamps, low profile version

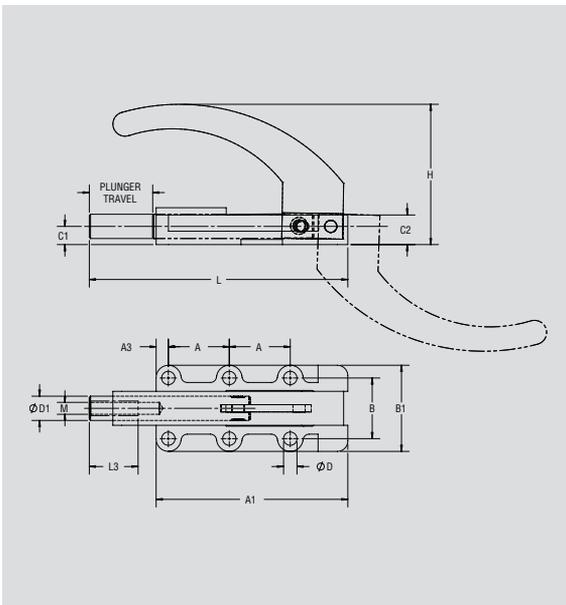
## Application areas

These new low-profile plunger clamps can be used where overhead clearance is a problem. The large holding capacities for these clamps are packaged in a small compact design. Supplied with a metric plunger. Compact, low profile design allows for use in areas where overhead clearance is a problem.

## Product features

- Clamp base cast steel, black-oxide finish
- Other parts zinc plated and passivated

## Models 95030, 95040, 95050, 95060



Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖ [lbs.]	🔩 Recommendation (not supplied)	Plunger Thread (M)
95030	550	0.98	0.80	205203-M	M6
95040	1,100	1.50	1.60	207203-M	M8
95050	1,650	1.97	2.10	220203-M	M12
95060	3,965	2.36	6.40	220203-M	M12

See additional adjustment spindles beginning on page 9.1.

- Models lock in both the extended and retracted positions.
- Allow handle to fall below plane level to lock in retracted position.



Model 95030

Model no.	A	A1	A3	B	B1	C1	C2	øD	øD1	H	L	L3						
95030	0.98	3.07	0.20	0.98	1.40	0.30	0.48	0.22	0.39	2.28	4.17	0.79						
95040	1.38	4.35	0.34	1.38	2.00	0.39	0.72	0.26	0.55	2.82	5.87	0.98						
95050	1.77	5.59	0.39	1.77	2.56	0.55	0.94	0.33	0.75	3.21	7.52	1.57						
95060	2.17	6.73	0.43	2.17	3.00	0.63	1.08	0.41	0.87	3.55	9.17	1.57						

## Models 670, 675, 690, 695



56701  
Model 670-1MB

The unique feature of these clamps is the collet-type bushing that can be adjusted to eliminate plunger end movement after long repeated use. The plunger also has a flat which prevents lateral movement and allows offset piloting and holding.

The plunger is drilled and tapped for threaded spindles or custom fixturing.

The adjustable pre-load nut (PL) can be used to lock the clamp against itself when not under pressure and therefore prevent opening when mounted vertically. The spring hold-open device (S) prevents the clamp from accidentally closing.

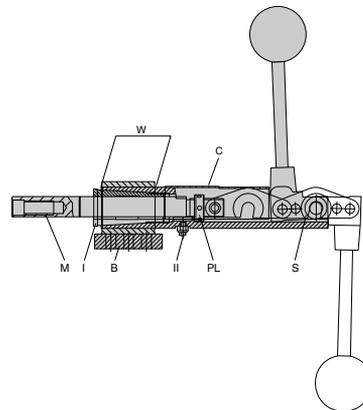
The mounting base (B) is supplied disassembled with the four models, to enable welding the base and the main assembly in any handle position.

Series 675 and 695 (shorter stroke) reach the over-center position only when clamping. Series 670 and 690 (longer stroke) lock in both the extended and retracted position.

- Precision clamps for high production
- For high accurate repeatability
- Adjustable, collet-type bushing minimizes plunger end movement
- Pre-load nut and spring hold open devices are optional



56751  
Model 675-1MB

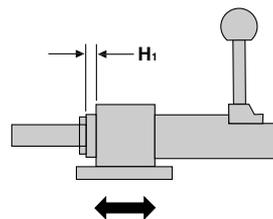


### Symbols

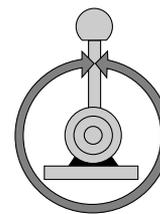
<b>B</b>	– Mounting Base
<b>C</b>	– Cover Plate
<b>M</b>	– Metric Version
<b>PL</b>	– Pre-Load Lock
<b>S</b>	– Spring Hold-open Device
<b>W</b>	– Welding Range
<b>I</b>	– Adjustable Plunger Bushing
<b>II</b>	– Plunger Locating Screw



56901  
Model 690-1MB  
(Handle welded at 180° as special order)

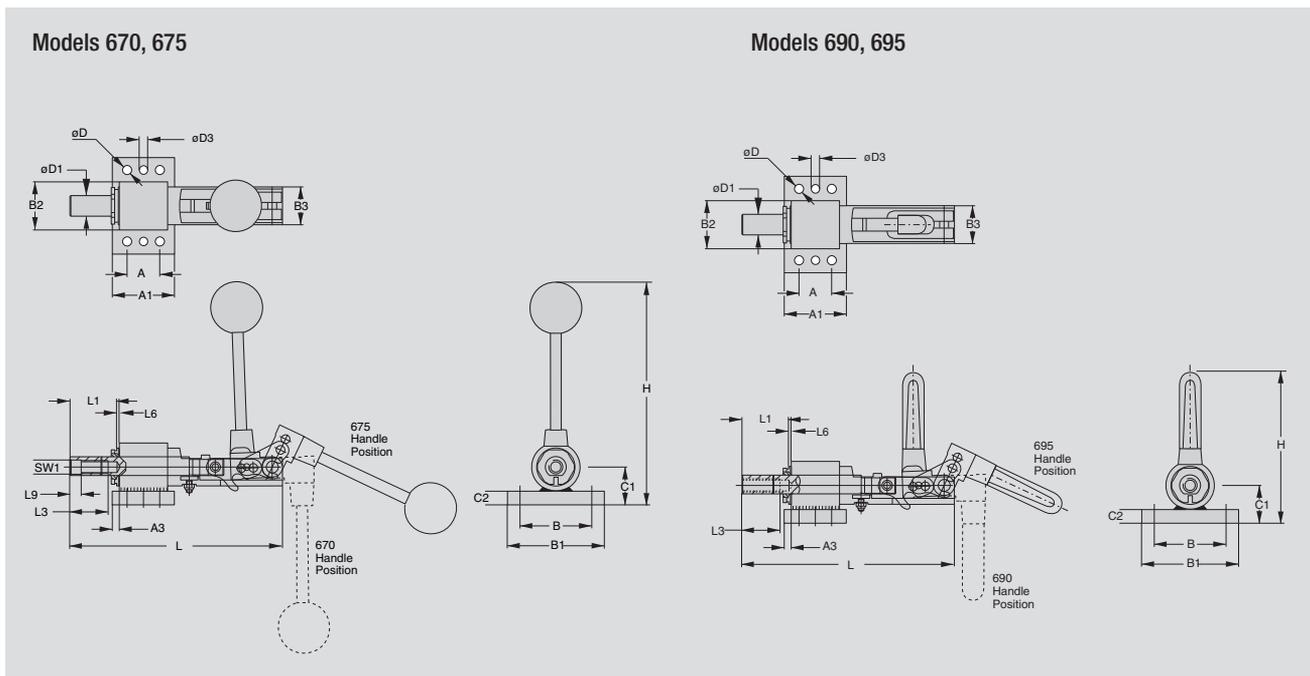


Welding range  $H_1$   
axial  
0-8 mm



Welding range  
radial  
360°

Before welding, adjust the main assembly on the mounting base in axial and radial directions.



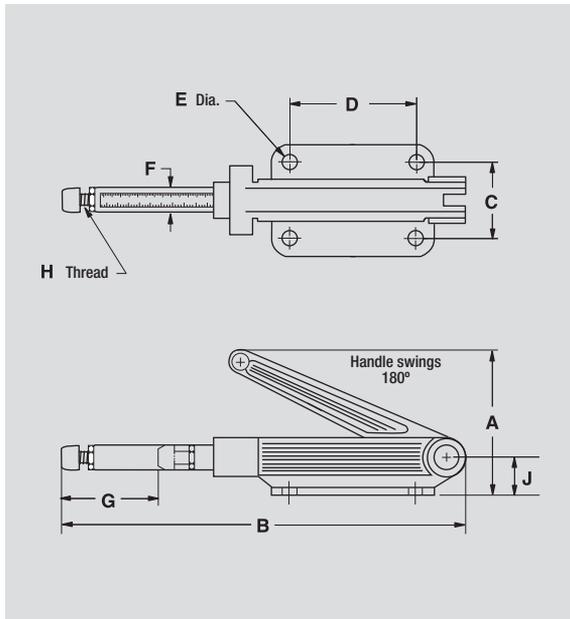
Model no.	Holding Capacity	Weight	Plunger Travel	Plunger Thread	Longe Stroke	Short Stroke	Mounting Base	Pre-load Lock	Hold-open Device	Plunger Collet Brushing	Plunger Locating Screw	Application	
												Push	Pull
670-1MB	2,400 lbs.	4 lbs.	57	M12 x 1.75	■		■			■	■	■	■
670-1MBPLS	2,400 lbs.	4.2 lbs.	57	M12 x 1.75	■		■	■	■	■	■	■	■
675-1MB	2,400 lbs.	3.8 lbs.	28	M12 x 1.75		■	■			■	■	■	■
675-1MBPLS	2,400 lbs.	4 lbs.	28	M12 x 1.75		■	■	■	■	■	■	■	■
690-1MB	5,000 lbs.	8 lbs.	76	M16 x 2	■		■			■	■	■	■
690-1MBPLS	5,000 lbs.	8.2 lbs.	76	M16 x 2	■		■	■	■	■	■	■	■
695-1MB	5,000 lbs.	7 lbs.	38	M16 x 2		■	■			■	■	■	■
695-1MBPLS	5,000 lbs.	7.2 lbs.	38	M16 x 2		■	■	■	■	■	■	■	■

Model no.	A	A1	A3	B	B1	B2	B3	C1	C2	øD	øD1	øD3	H	L	L1	L3	L6	L9	SW1
670-1MB	30	57	6.4	66	89	44.5	35	34.8	12.7	8.4	19	7.8	206	268	75.5	35	0-8	10.3	13H7
670-1MBPLS	30	57	6.4	66	89	44.5	35	34.8	12.7	8.4	19	7.8	206	268	75.5	35	0-8	10.3	13H7
675-1MB	30	57	6.4	66	89	44.5	35	34.8	12.7	8.4	19	7.8	206	195	44.4	35	0-8	10.3	13H7
675-1MBPLS	30	57	6.4	66	89	44.5	35	34.8	12.7	8.4	19	7.8	206	195	44.4	35	0-8	10.3	13H7
690-1MB	50	76.2	9.5	82	102	-	44.4	41.3	12.7	10.5	25	9.8	162	338	85.9	25	0-8	-	-
690-1MBPLS	50	76.2	9.5	82	102	-	44.4	41.3	12.7	10.5	25	9.8	162	338	85.9	25	0-8	-	-
695-1MB	50	76.2	9.5	82	102	-	44.4	41.3	12.7	10.5	25	9.8	162	240	47.8	25	0-8	-	-
695-1MBPLS	50	76.2	9.5	82	102	-	44.4	41.3	12.7	10.5	25	9.8	162	240	47.8	25	0-8	-	-

## Model SL3

Straight-Line clamps for gluing and fixturing. Toggle action locks the plunger in the extended position only. Reinforced polymer spindle assembly with removable neoprene tip is included, or you can fit customized ends to the threaded plunger.

- Non-sparking
- Useful in medical and food processing industries
- Locking toggle action, push clamping
- Spindle assembly included
- Constructed of reinforced polymers combining high strength and lightweight features
- Electrically non-conductive
- Resistant to acids, gases, chemicals and elevated temperatures



Model no.	Holding Capacity ↔ [lbs.]	Plunger Travel	⚖ [lbs.]	🔧 Recommendation	Plunger Thread (M)
SL3	150	2.19	0.25	Supplied	1/4-20
See additional adjustment spindles beginning on page 9.1.					



57002  
Model SL3

Model no.	A	B	C	D	E	F	G (travel)	H	J								
SL3	2.88	8.00	1.50	2.50	0.28	0.50	2.19	1/4-20	0.75								