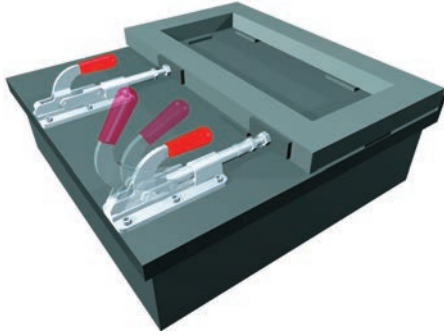




		Max. Holding Capacity N[lbf.]							Plunger Travel mm [inch]				
Series	Section.Page	0 to 1000 [0 to 225]	1000 to 2000 [225 to 450]	2000 to 3000 [450 to 675]	3000 to 5000 [675 to 1125]	5000 to 7000 [1125 to 1575]	7000 to 10000 [1575 to 2250]	10000+ [2250+]	0 to 20 [0 to 0.79]	20 to 40 [0.79 to 1.57]	40 to 60 [1.57 to 2.36]	60 to 80 [2.36 to 3.15]	80 to 105 [3.15 to 4.13]
6001	3.3												
601	3.4												
6015	3.5												
603	3.7												
608	3.7												
605	3.9												
606	3.10												
607	3.11												
609	3.12												
610	3.13												
615	3.14												
620	3.15												
630	3.16												
640	3.17												
650	3.18												
95030	3.19												
95040	3.19												
95050	3.19												
95060	3.19												
5130	3.21												
5131	3.21												
5133	3.21												
5150	3.23												
602	3.25												
604	3.25												
624	3.25												
6004	3.27												

Overall Height mm [inch]						Overall Length mm [inch]						Overall Width mm [inch]						Suitable Application Area						Standard Material		Service Environment			
0 to 40 [0 to 1.57]	40 to 60 [1.57 to 2.36]	60 to 80 [2.36 to 3.15]	80 to 100 [3.15 to 3.94]	100 to 120 [3.15 to 4.72]	120 to 140 [4.72 to 5.51]	60 to 80 [2.36 to 3.15]	80 to 120 [2.36 to 4.72]	120 to 160 [4.72 to 6.30]	160 to 200 [6.30 to 7.87]	200 to 240 [7.87 to 9.45]	240 to 280 [9.45 to 11.02]	280+ [11.02+]	0 to 30 [0 to 1.18]	30 to 45 [1.18 to 1.77]	45 to 60 [1.77 to 2.36]	60 to 75 [2.36 to 2.95]	75 to 90 [2.95 to 3.54]	Welding	Assembly	Checking Fixtures	Machining	Woodworking	Food Processing	Duty Cycle	Steel	Stainless Steel	Toggle Lock Plus	Normal	Harsh/Dirty
■	■					■								■				○	●	●	●	●	○	○	✓	✓		✓	
■						■							■					○	●	●	●	●	○	○	✓	✓		✓	
■						■								■				○	●	●	●	●	○	○	✓	✓	✓	✓	
			■					■							■			●	●	●	●	●	○	○	✓	✓	✓	✓	
				■				■							■			●	●	●	●	●	⊗	○	✓			✓	
					■			■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	
								■							■			●	●	●	●	●	⊗	○	✓			✓	

Series 6001 Product Overview

Features:

- Heavier duty version of Model 601 with 50% more holding capacity
- Mounting pattern interchangeable with Model 601
- Allow handle to fall below mounting plane to lock in retracted position

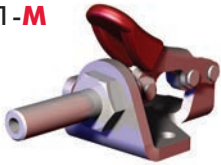
Applications:

- Assembly
- Testing
- Soldering
- Gluing

Also Available:

See page 8.1 for accessories

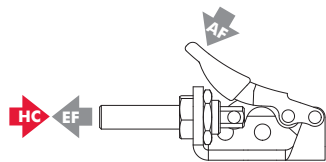
▲ 6001
● 6001-M



▲ 6001-SS
● 6001-MSS

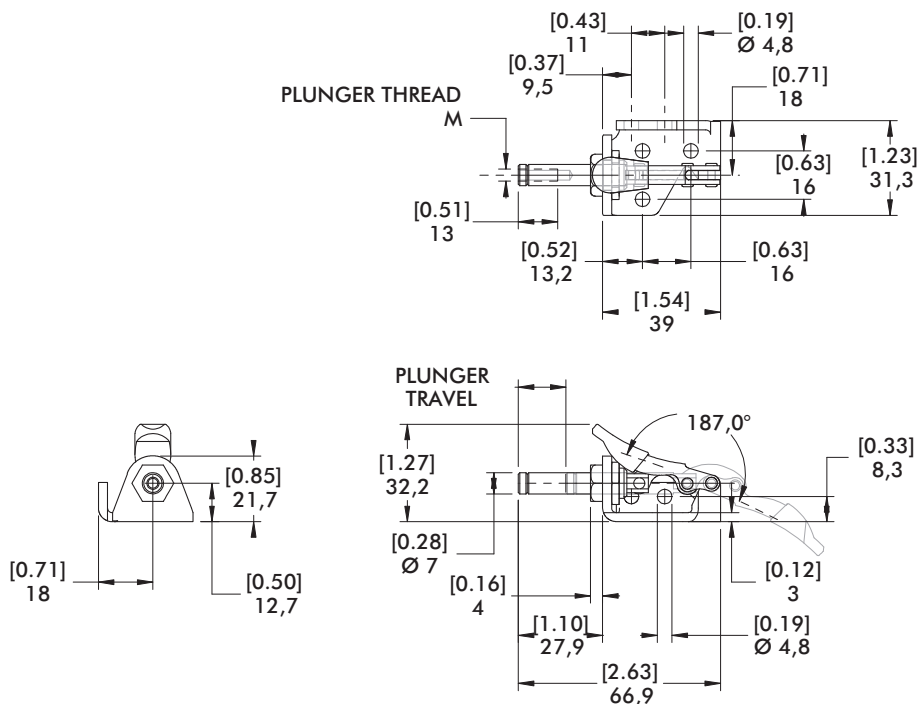


Series 6001 Technical Information, Holding Capacities, Standard Clamp Dimensions



Model	Max. Holding Capacity	Weight	EF:AF (pushing/pulling)	Plunger Travel	(M) Plunger Thread	Spindle (Recommended)	Spindle Included
▲ 6001	[150 lbf] 670 N	[0.12lb] 0,05kg	14:1/25:1	[0.63] 16	#8-32	105203	No
● 6001-M					M4	205208-M	
▲ 6001-SS					#8-32	205943	Yes
● 6001-MSS					M4	102908-M	

HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Preferred Market: ▲ NA/SA ■ Europe ● Global



Series 601 Product Overview

Features:

- Compact straight line action clamp

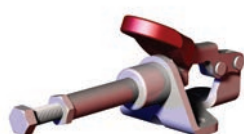
Applications:

- Assembly
- Testing
- Soldering
- Gluing

Also Available:

See page 8.1 for accessories

▲ 601

● 601-**M**

● 601-○

Straight Base
U-Bar



● 601-SS

Stainless steel

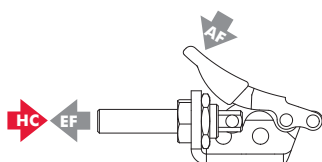


● 601-**OSS** ⓘ

Stainless steel
External
thread

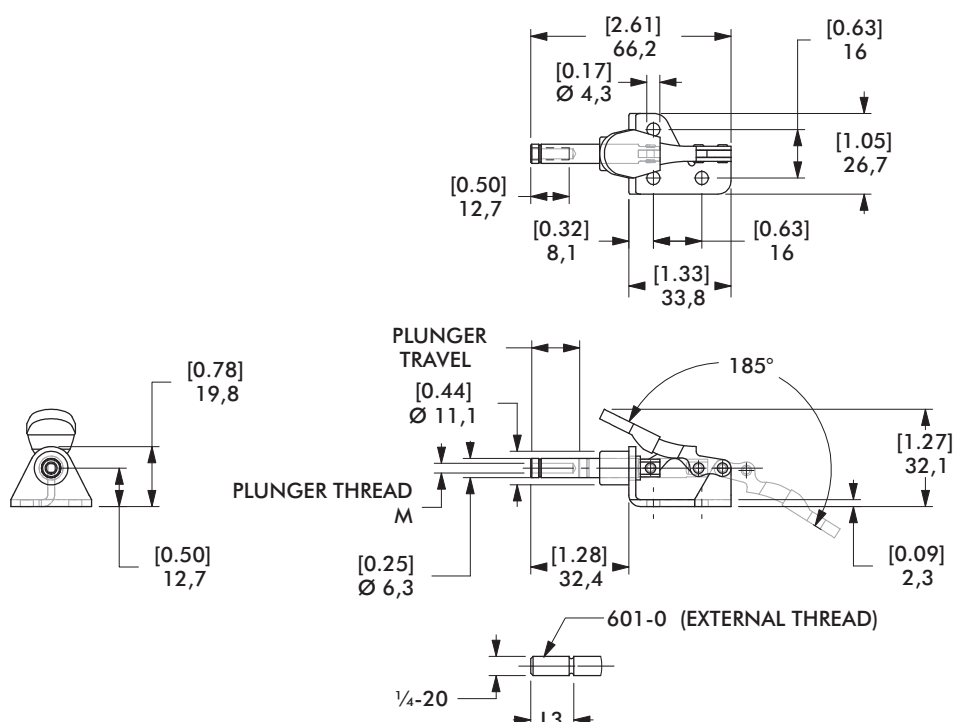


Series 601 Technical Information, Holding Capacities, Standard Clamp Dimensions



Model	Max. Holding Capacity	Weight	EF:AF (pushing/ pulling)	Plunger Travel	(M) Plunger Thread	Spindle (Recom- mended)	Spindle Included
▲ 601	[100 lbf] 440 N	[0.09lb] 0,04kg	14:1/25:1	[0.63] 16	#8-32	105203	Yes
● 601-M					M4	205208-M	No
● 601-O					1/4-20	--	
● 601-SS					#8-32	205943	Yes
● 601-OSS ⓘ					1/4-20	--	No

 This item is available upon request **HC** = Holding Capacity, **EF** = Exerting Force, **AF** = Applied Force
 Preferred Market: NA/SA Europe Global



Series 6015 Product Overview

Features:

- Smallest of the solid base Straight Line Action clamps
- Compact design combined with high holding capacity
- Allow handle to fall below mounting plane to lock in retracted position

Covered under one year or more U.S./International Patents

Applications:

- Assembly
- Checking fixtures
- Tensioning devices

Also Available:

See page 8.1 for accessories

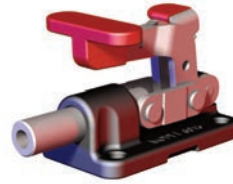
▲ 6015
● 6015-M



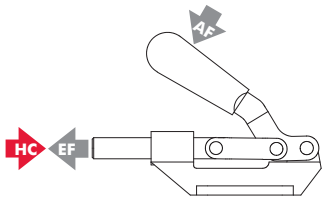
▲ 6015-SS,
● 6015-MSS
Stainless Steel



▲ 6015-R,
● 6015-MR
with DE-STA-CO®
Toggle Lock
Plus



Series 6015 Technical Information, Holding Capacities

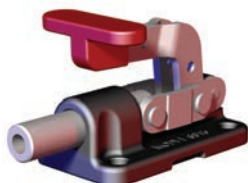


Model	Max. Holding Capacity	Weight	EF:AF (pushing/pulling)	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
▲ 6015	[560 lbf] 2500 N				1/4-20	205203
● 6015-M					M6	205203-M
▲ 6015-SS	[630 lbf] 2800 N	[0.35lb] 0,15kg	35:1	[0.70] 17,8	1/4-20	202943 (supplied)
● 6015-MSS					M6	202916-M (supplied)
▲ 6015-R	[560 lbf] 2500 N				1/4-20	205203
● 6015-MR					M6	205203-M

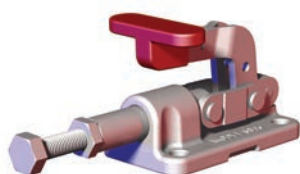
HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Preferred Market: ▲ NA/SA ■ Europe ● Global

Series 6015 Standard Clamp Dimensions 6015/-M/-SS/-MSS/-R/-MR

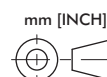
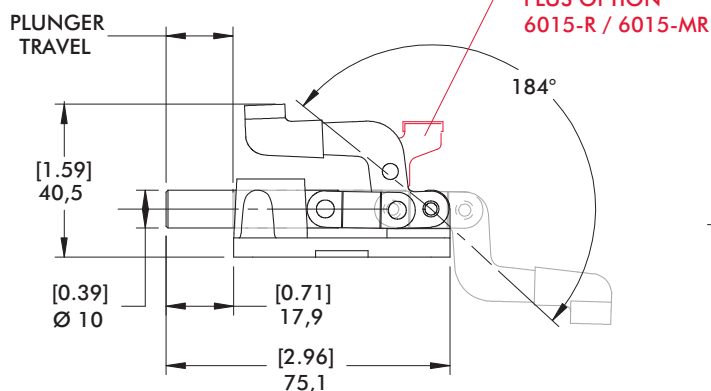
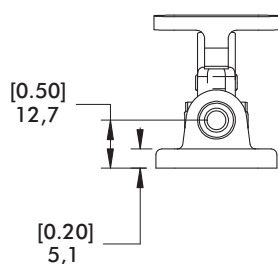
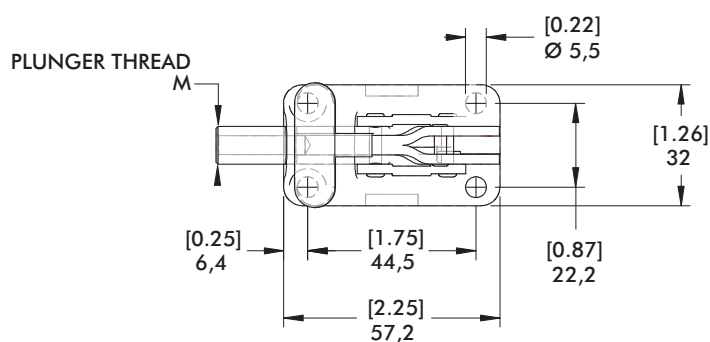
▲ 6015
● 6015-M



▲ 6015-SS,
● 6015-MSS
Stainless Steel



▲ 6015-R,
● 6015-MR
with DE-STA-CO®
Toggle Lock
Plus



Series 603, 608 Product Overview

Features:

- Allow handle to rotate and fall below mounting plane to lock in retracted position
- Large holding capacities for their size
- Available with DE-STA-CO® Toggle Lock Plus

Applications:

- Assembly & test
- Checking fixtures
- Welding fixtures
- Tensioning devices

Also Available:

See page 8.1 for accessories

803 Pneumatic Toggle Clamp
See page 10.27

803-ME Pneumatic Toggle Clamp
See page 10.27

Covered under one year or more U.S./International Patents

▲ 603

● 603-M



▲ 603-SS

● 603-MSS

Stainless Steel



▲ 603-R

● 603-MR

with
DE-STA-CO®
Toggle Lock
Plus

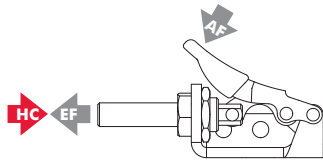


▲ 608

● 608-M



Series 603, 608 Technical Information, Holding Capacities



Model	Max. Holding Capacity	Weight	EF:AF (pushing/pulling)	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
▲ 603	[600 lbf] 2670 N				5/16-18	207203
● 603-M					M8	207203-M
▲ 603-SS	[840 lbf] 3740 N	[0.83lb] 0,38kg	23:1/34:1	[1.25] 31,8	5/16-18	207943
● 603-MSS					M8	207943-M (supplied)
▲ 603-R	[600 lbf] 2670 N				5/16-18	207203
● 603-MR					M8	207203-M
▲ 608	[850 lbf] 3780 N	[1.25lb] 0,57kg	44:1/50:1	[1.63] 41,3	3/8-16	210203
● 608-M					M10	210203-M

HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Preferred Market: ▲ NA/SA ■ Europe ● Global

Series 603, 608 Standard Clamp Dimensions 603/608/-M/-SS/-MSS/-R/-MR

▲ 603

● 603-M



▲ 603-SS

● 603-MSS

Stainless Steel



▲ 603-R

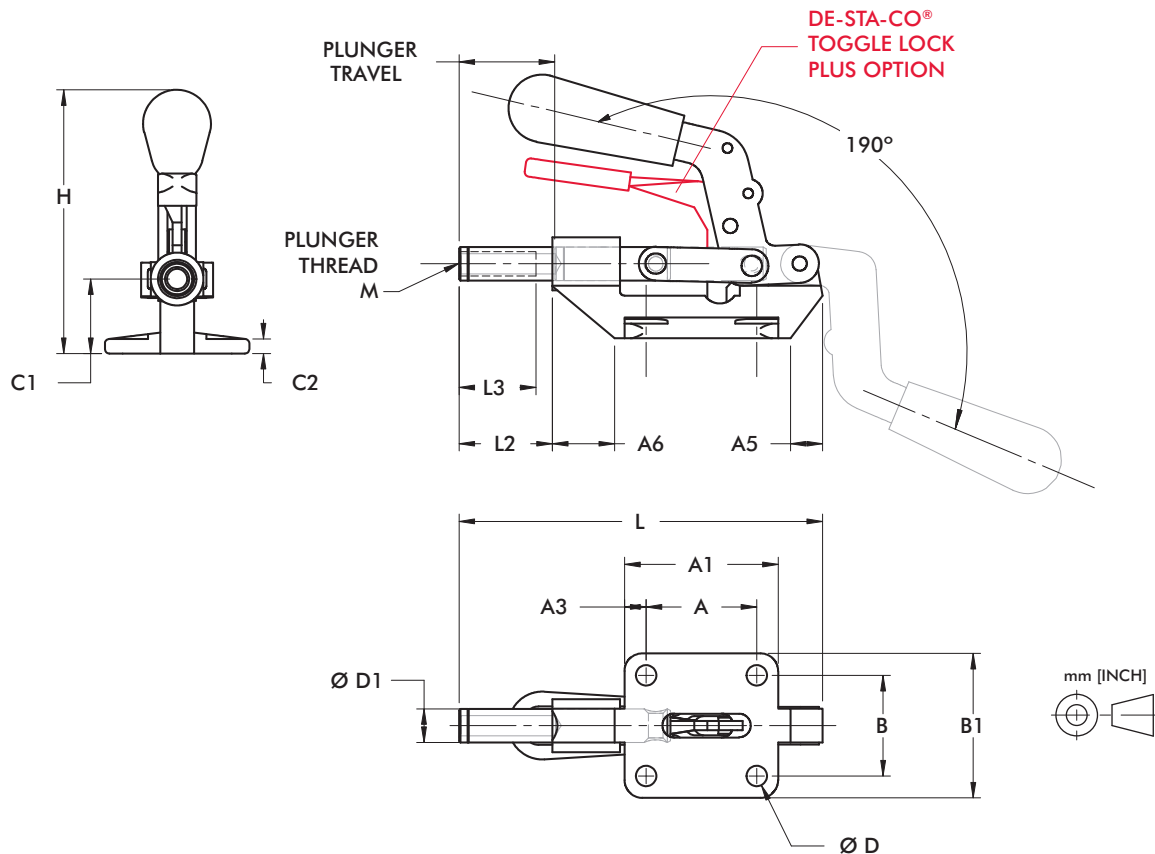
● 603-MR

with
DE-STA-CO®
Toggle Lock
Plus



▲ 608

● 608-M



Model	A	A1	A3	A5	A6	B	B1	C1	C2	D	D1	H	L	L2	L3
603				[0.58] 15	[0.94] 24						[0.44] 11		[4.73] 120	[1.22] 31	
603-M				[0.62] 16	[0.88] 22						[0.47] 12		[4.80] 122	[1.30] 33	
603-SS	[1.44] 37	[2.00] 51	[0.28] 7	[0.58] 15	[0.94] 24	[1.31] 33	[1.88] 48	[0.97] 25		[0.27] 7		[3.43] 87	[4.73] 120	[1.22] 31	[1.00] 25
603-MSS				[0.62] 16	[0.88] 22				[0.19] 5		[0.44] 11		[4.80] 122	[1.30] 33	
603-R				[0.58] 15	[0.94] 24								[4.73] 120	[1.22] 31	
603-MR				[0.62] 16	[0.88] 22								[4.80] 122	[1.30] 33	
608	[1.63] 41	[2.25] 57	[0.31] 8	[0.75] 19	[1.40] 36	[1.63] 41	[2.25] 57	[1.25] 32		[0.33] 8	[0.62] 16	[4.12] 105	[6.00] 152	[1.60] 41	[1.25] 32
608-M															

Dimensions shown mm [inch]

Series 605 Product Overview

Features:

- For push/pull clamping
- Allow handle to rotate and fall below mounting plane to lock in retracted position

Applications:

- Assembly & test
- Woodworking
- Tensioning devices

Also Available:

See page 8.1 for accessories
Reverse action version Model 615/615-M

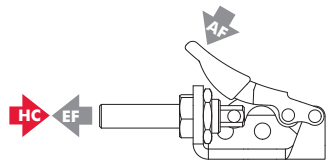
▲ 605
● 605-M



▲ 605-R,
● 605-MR
with
DE-STA-CO®
Toggle Lock
Plus

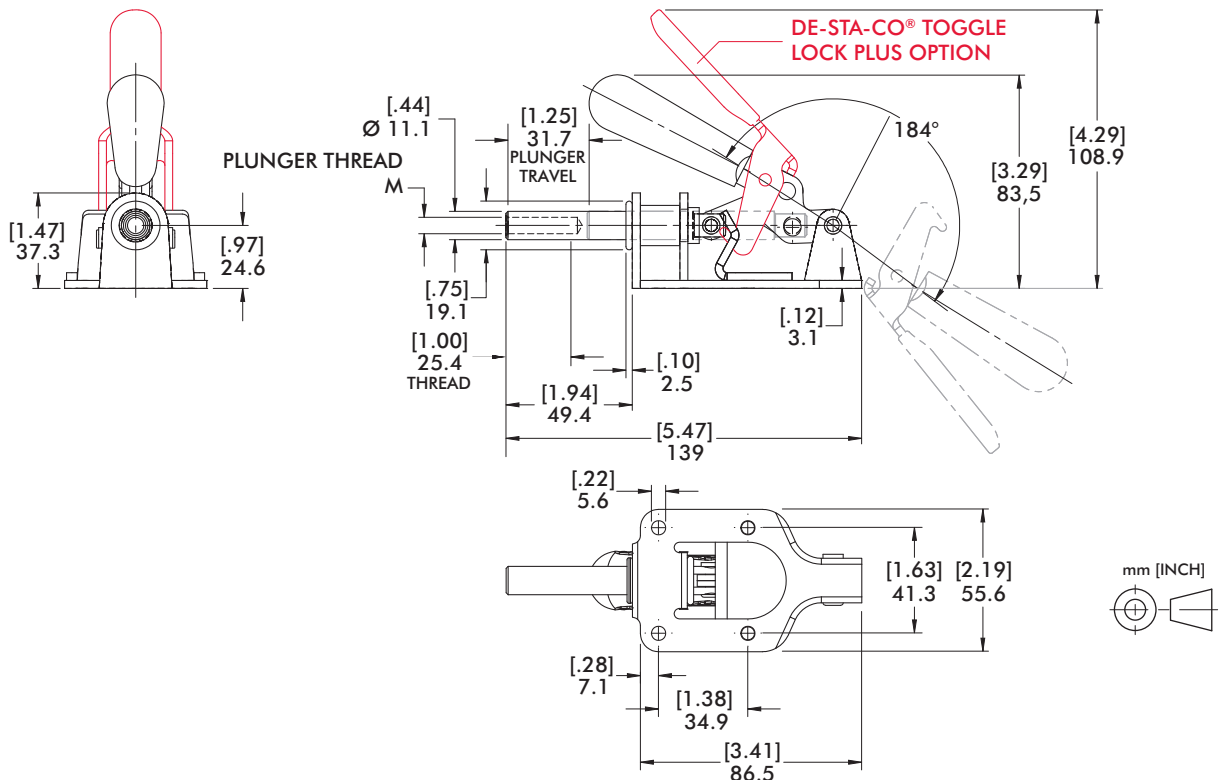


Series 605 Technical Information, Holding Capacities, Standard Clamp Dimensions



Model	Max. Holding Capacity	Weight	EF:AF (pushing/pulling)	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
▲ 605					5/16-18	207203
● 605-M	[300 lbf] 1330 N	[0.69lb] 0,31 kg	45:1/40:1	[1.25] 31,8	M8	207203-M
▲ 605-R					5/16-18	207203
● 605-MR					M8	207203-M

HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Preferred Market: ▲ NA/SA ■ Europe ● Global



Series 606 Product Overview

Features:

- Handle and linkage swivel 125° for mounting flexibility
- Narrow base for tight spaces
- Plunger locks in extended position only

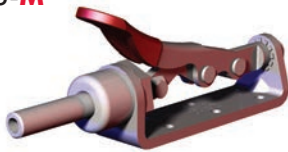
Applications:

- Assembly & test
- Woodworking
- Tensioning devices

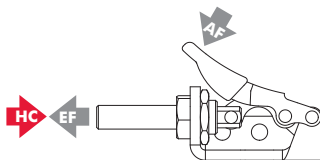
Also Available:

See page 8.1 for accessories

- ▲ 606
- 606-M

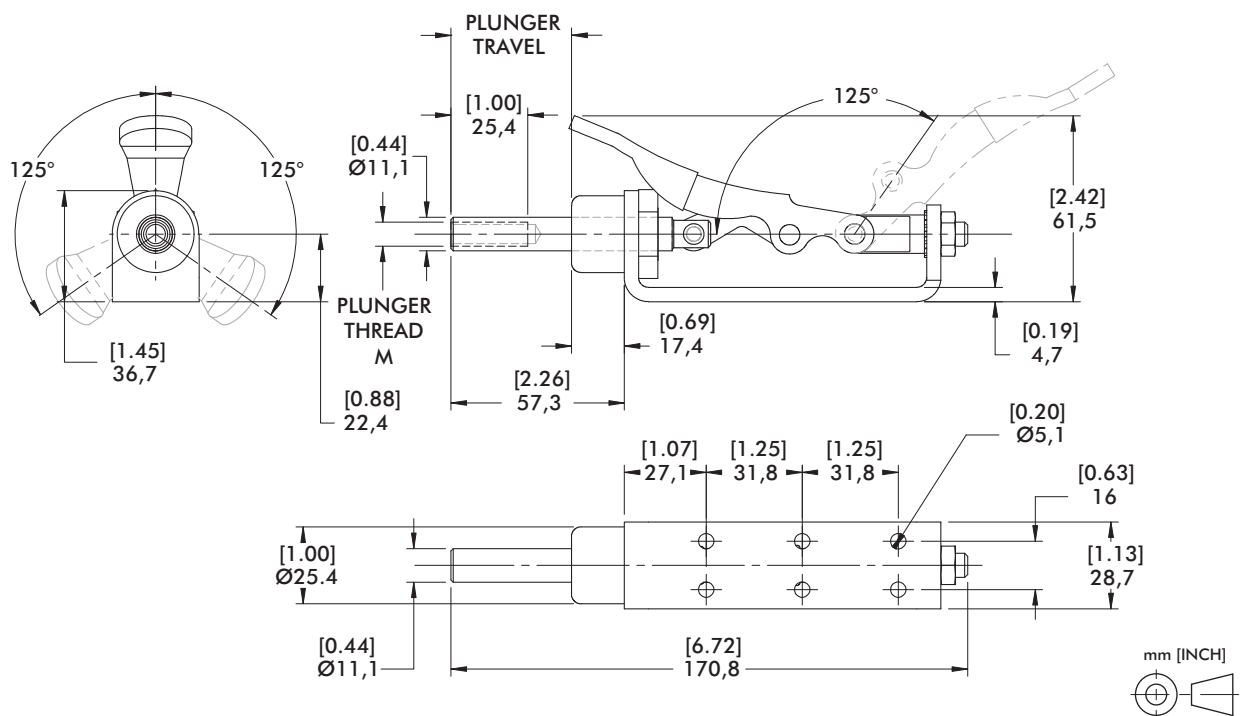


Series 606 Technical Information, Holding Capacities, Standard Clamp Dimensions



Model	Max. Holding Capacity	Weight	EF:AF (pushing)	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
▲ 606	[450 lbf] 2000 N	[0.81lb] 0,37kg	33:1	40 [1.57]	5/16-18 M8	207203
● 606-M						207203-M

HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Preferred Market: ▲ NA/SA ■ Europe ● Global



Series 607 Product Overview

Features:

- Low profile and high holding capacity for its size
- Available with round or square plunger to resist torsional loads
- Allow handle to rotate and fall below mounting plane to lock in retracted position

Applications:

- Assembly & test
- Welding
- Tensioning devices

Also Available:

See page 8.1 for accessories

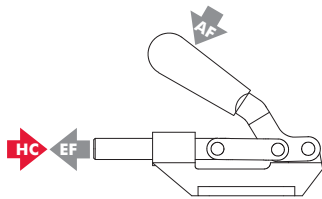
▲ 607
● 607-M



▲ 607-SQ
● 607-SQM
with Square
Plunger

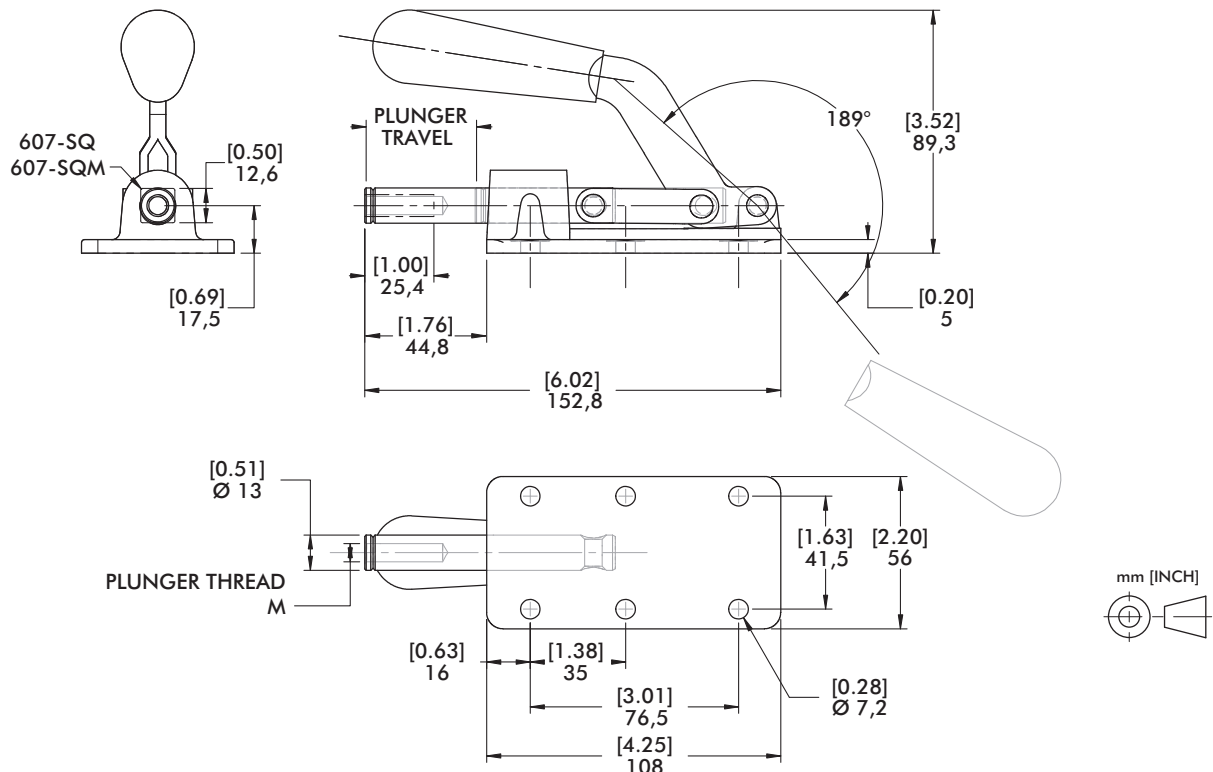


Series 607 Technical Information, Holding Capacities, Standard Clamp Dimensions



Model	Max. Holding Capacity	Weight	EF:AF (pushing/pulling)	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
▲ 607					5/16-18	207203
● 607-M	[800 lbf] 3560 N	[1.63lb] 0,74kg	37:1/64:1	[1.63] 41,4	M8	207203-M
▲ 607-SQ					5/16-18	207203
● 607-SQM					M8	207203-M

HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Preferred Market: ▲ NA/SA ■ Europe ● Global



Series 609 Product Overview

Features:

- Low profile and high holding capacity for its size
- Flanged or straight base
- Allow handle to rotate and fall below mounting plane to lock in retracted position

Applications:

- Assembly & test
- Welding
- Tensioning devices

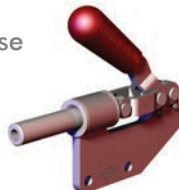
Also Available:

See page 8.1 for accessories

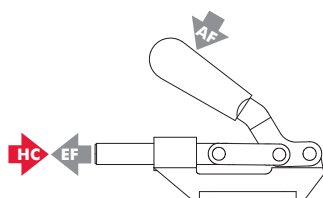
609 Flanged Base



609-**B**
Straight Base

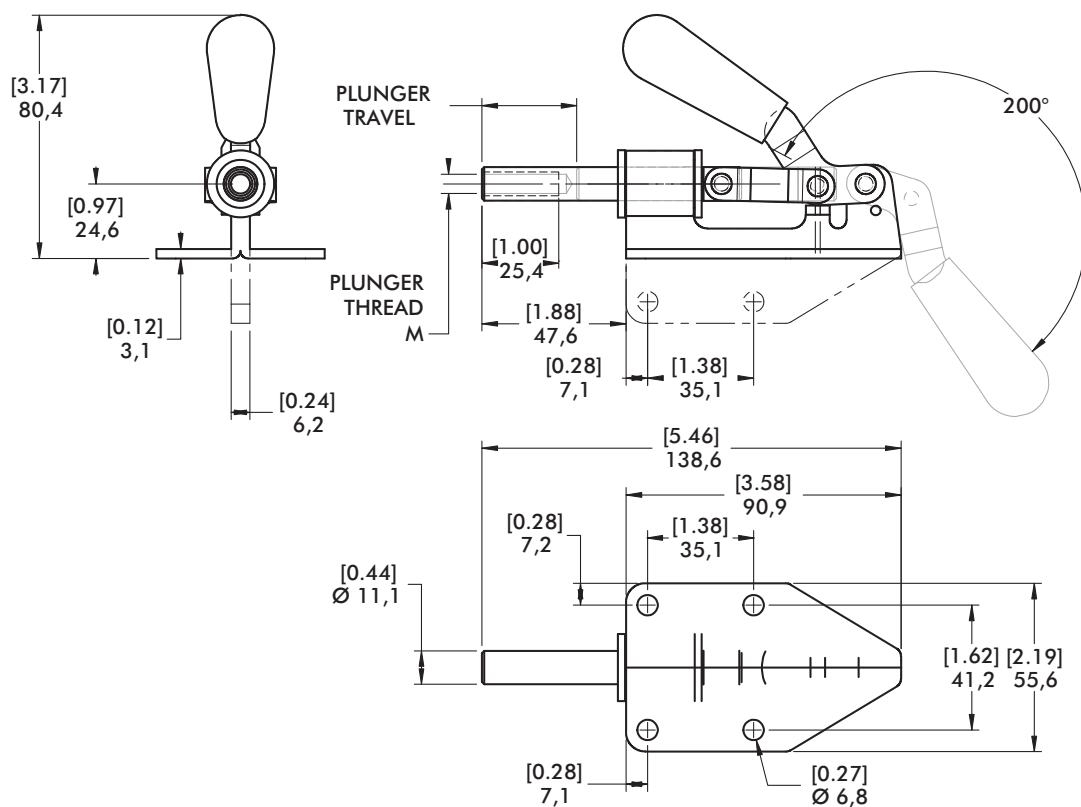


Series 609 Technical Information, Holding Capacities, Standard Clamp Dimensions



Model	Max. Holding Capacity	Weight	EF:AF (pushing/ pulling)	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
609	[300 lbf]	[0.88lb]	36:1/47:1	[1.25]	5/16-18	207203
609-B	1330 N	0,40kg		31,8		

HC = Holding Capacity, **EF** = Exerting Force, **AF** = Applied Force



Series 610 Product Overview

Features:

- For push/pull clamping
- Allow handle to rotate and fall below mounting plane to lock in retracted position

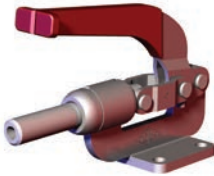
Applications:

- Assembly & test
- Woodworking
- Tensioning devices

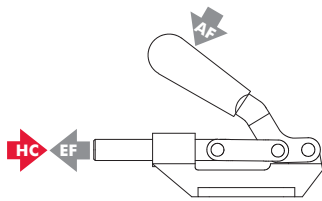
Also Available:

See page 8.1 for accessories

▲ 610
● 610-M

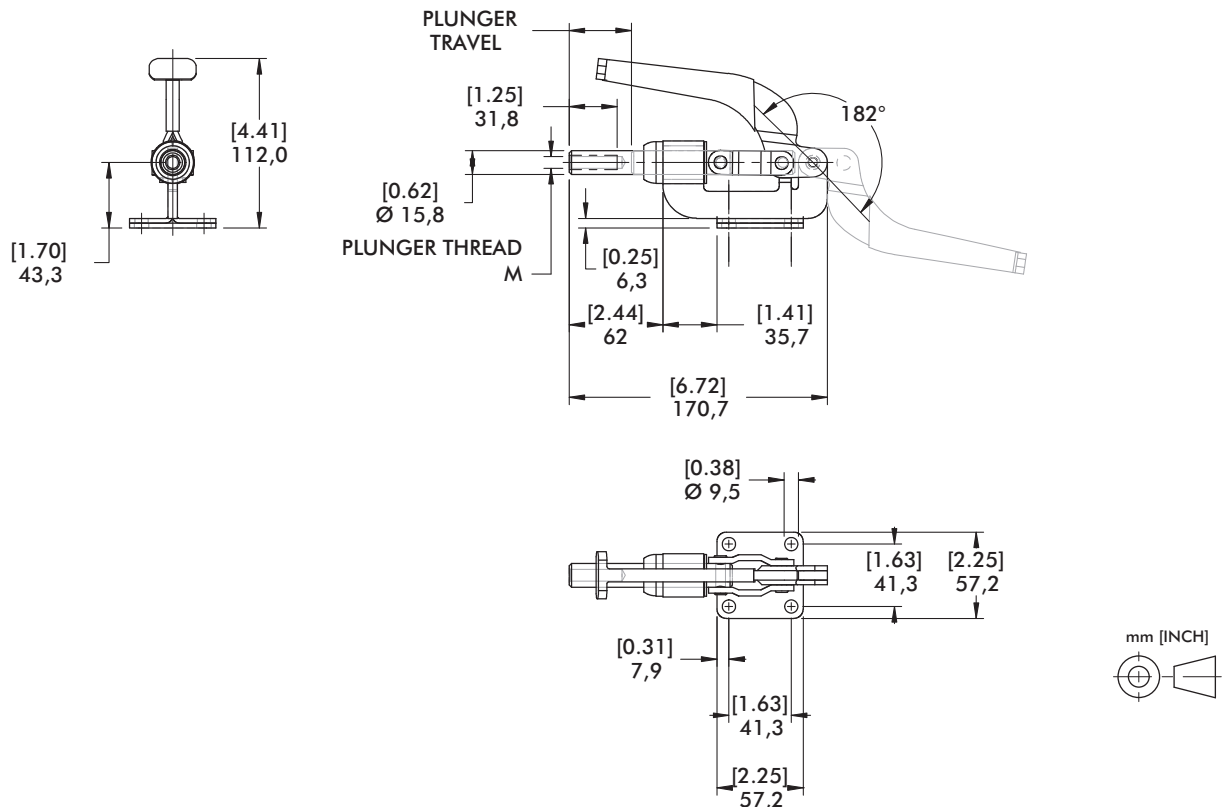


Series 610 Technical Information, Holding Capacities, Standard Clamp Dimensions



Model	Max. Holding Capacity	Weight	EF:AF (pushing/pulling)	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
▲ 610	[800 lbf] 3560 N	[1.69 lb] 0,77 kg	51:1/70:1	[1.63] 41,4	3/8-16	210203
● 610-M					M10	210203-M

HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Preferred Market: ▲ NA/SA ■ Europe ● Global



Features:

- Reverse handle action.
- Plunger locks in the extended position only as the handle is moved downward

Applications:

- Assembly & test
- Woodworking
- Tensioning devices

Also Available:

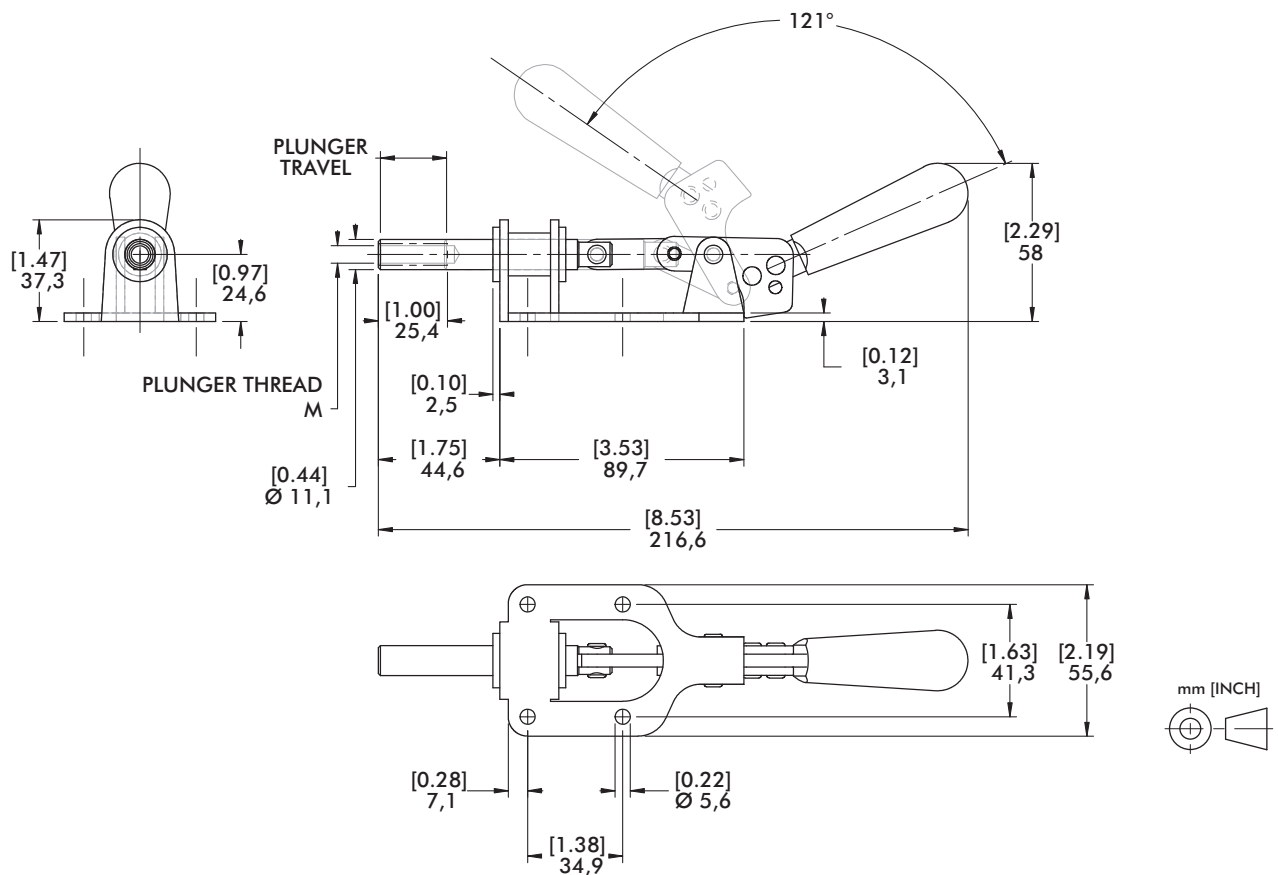
See page 8.1 for accessories

615



Series 615 Technical Information, Holding Capacities, Standard Clamp Dimensions

Model	Max. Holding Capacity	Weight	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
615	[300 lbf] 1330 N	[0.69lb] 0,31kg	[0.97] 24,6	5/16-18	207203



Series 620 Product Overview

Features:

- Reverse handle action
- Plunger locks in the extended position only as the handle is moved downward

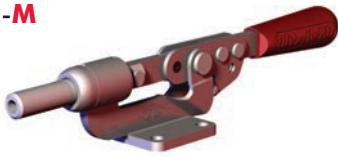
Applications:

- Assembly & test
- Woodworking
- Tensioning devices

Also Available:

See page 8.1 for accessories

- ▲ 620
- 620-M

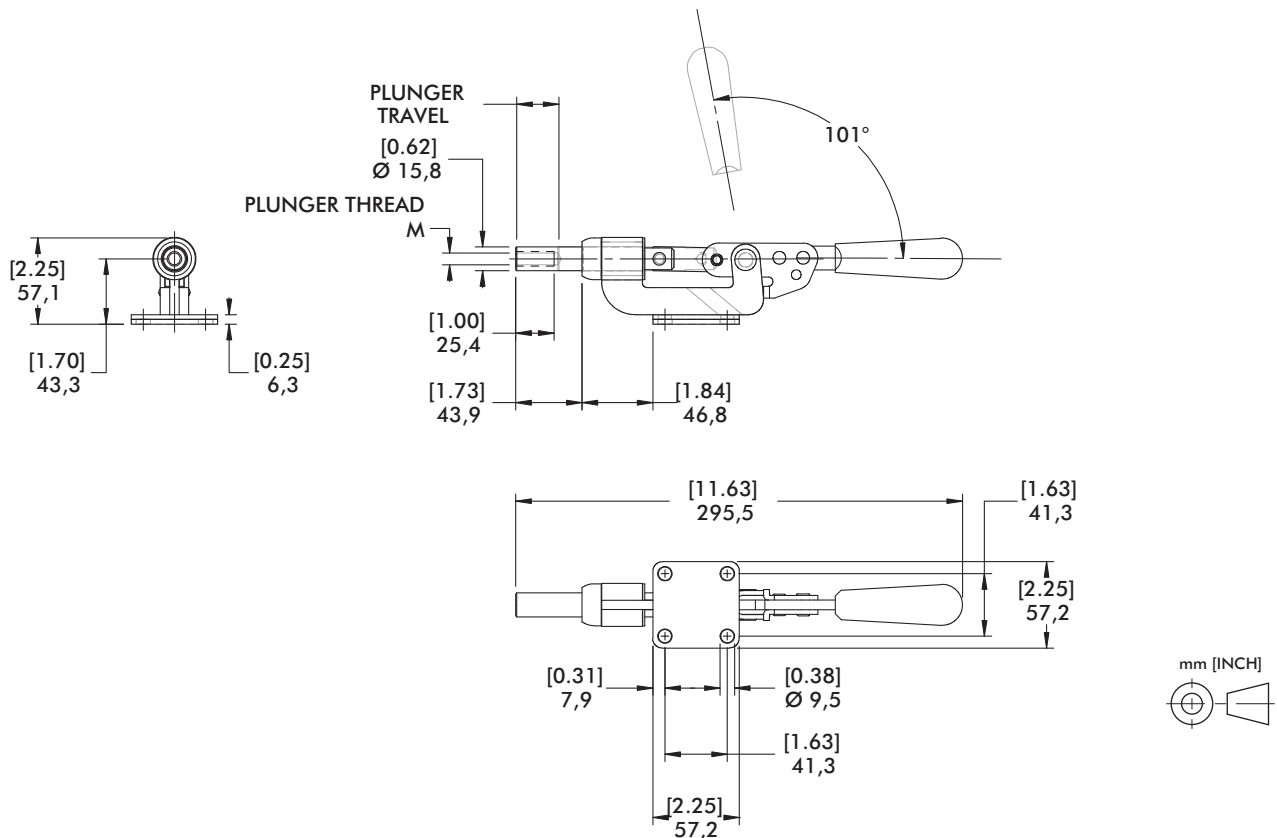


Series 620 Technical Information, Holding Capacities, Standard Clamp Dimensions

	Model	Max. Holding Capacity	Weight	EF:AF (pushing/pulling)	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
▲	620	[600 lbf] 2670 N	[1.50lb] 0,68kg	44:1	[1.11] 28,2	3/8-16	210203
●	620-M					M10	210203-M

HC = Holding Capacity, EF = Exerting Force, AF = Applied Force

Preferred Market: ▲ NA/SA ■ Europe ● Global



Series 630 Product Overview

Features:

- For push/pull clamping
- Allow handle to rotate and fall below mounting plane to lock in retracted position
- Available with DE-STA-CO® Toggle Lock Plus

Applications:

- Assembly & test
- Welding
- Tensioning devices

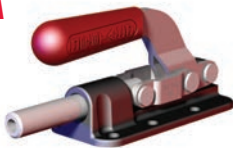
Also Available:

See page 8.1 for accessories

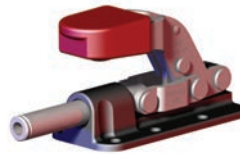
830, 830-ME Pneumatic Toggle Clamp
(See page 10.27)

Covered under one year or more U.S./International Patents

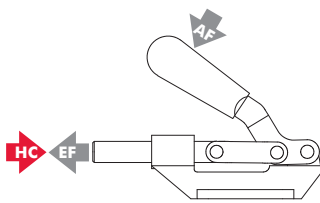
▲ 630
● 630-M



▲ 630-R
● 630-MR
with
DE-STA-CO®
Toggle Lock
Plus

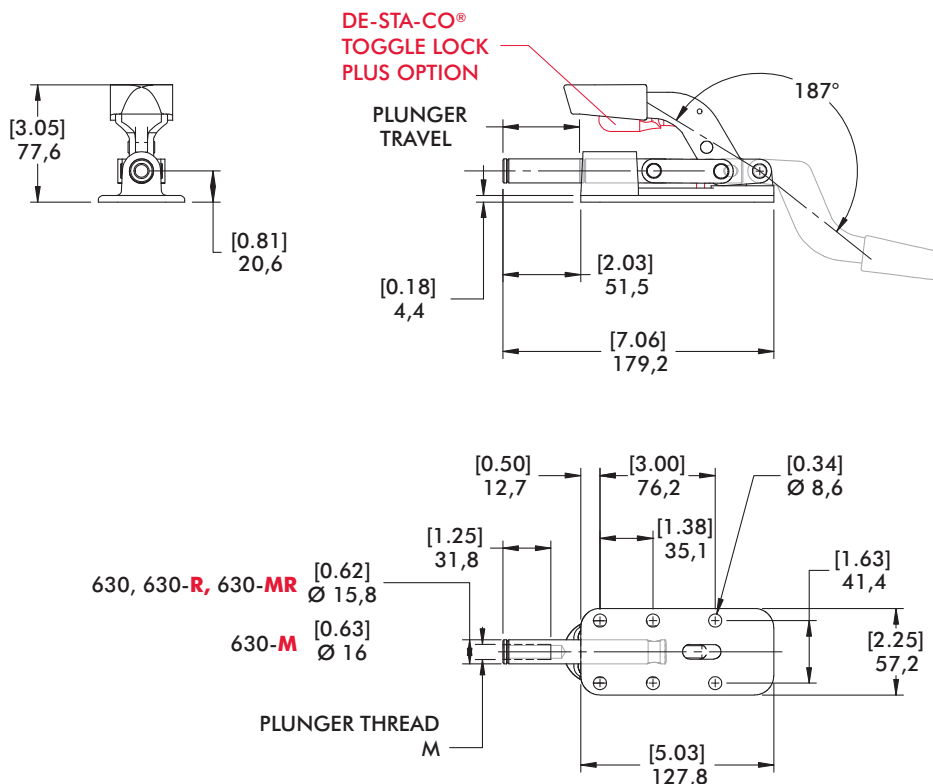


Series 630 Technical Information, Holding Capacities, Standard Clamp Dimensions



Model	Max. Holding Capacity	Weight	EF:AF (pushing/pulling)	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
▲ 630					3/8-16	210203
● 630-M	[2,500 lbf] 11100 N	[1.90lb] 0,89kg	36:1/23:1	[2.00] 50,8	M10	210203-M
▲ 630-R					3/8-16	210203
● 630-MR					M10	210203-M

HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Preferred Market: ▲ NA/SA ■ Europe ● Global



Series 640 Product Overview

Features:

- For heavy duty push/pull clamping
- Longest stroke of our Straight Line Action Clamps
- Allow handle to rotate and fall below mounting plane to lock in retracted position
- Available with DE-STA-CO® Toggle Lock Plus

Applications:

- Assembly & test
- Welding
- Tensioning devices

Also Available:

See page 8.1 for accessories

Covered under one year or more U.S./International Patents

▲ 640

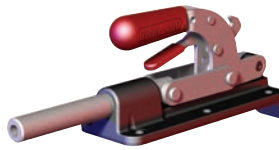
● 640-M



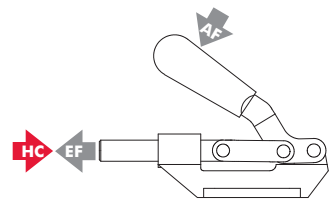
▲ 640-R

● 640-MR

with
DE-STA-CO®
Toggle Lock
Plus

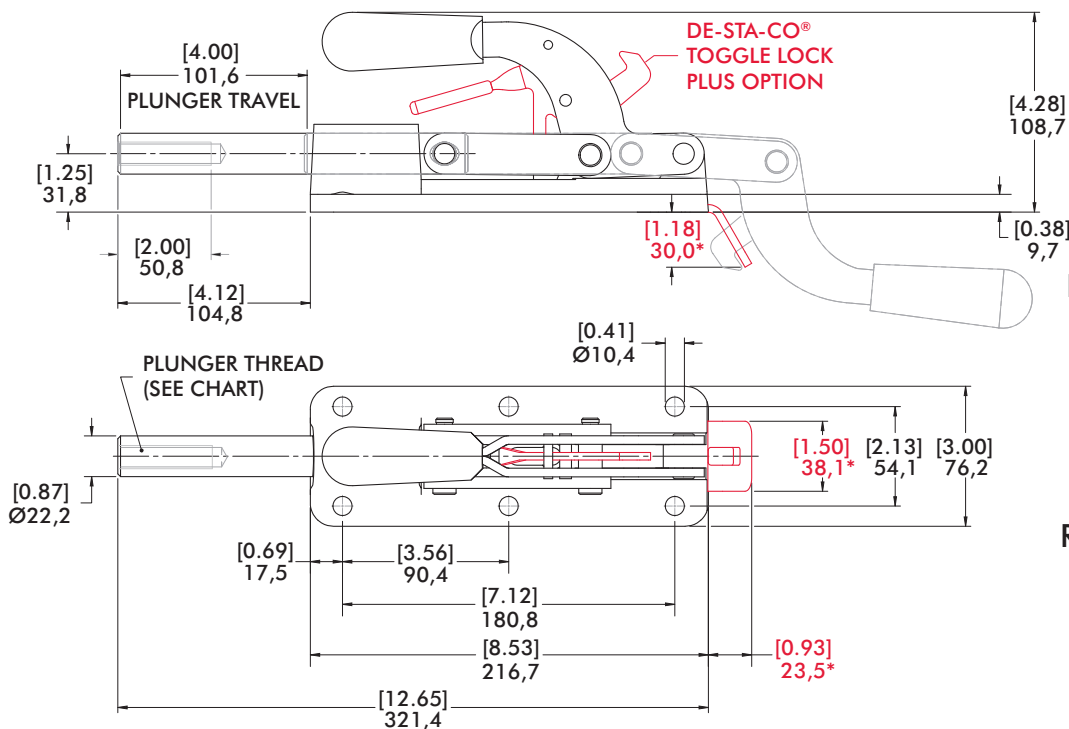


Series 640 Technical Information, Holding Capacities, Standard Clamp Dimensions



Model	Max. Holding Capacity	Weight	EF:AF (pushing)	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
▲ 640					1/2-13	220203
● 640-M	[7,500 lbf] 33400 N	[6.78lb] 3,08kg	35:1	[4.00] 101,6	M12	220203-M
▲ 640-R					1/2-13	220203
● 640-MR					M12	220203-M

HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Preferred Market: ▲ NA/SA ■ Europe ● Global



Extended (640-R shown)

Retracted (640-R shown)



(*) Dimensions above in RED applies to the 640-R/640-MR only

Features:

- For heavy duty push/pull clamping
- Largest of our Straight Line Action Clamps
- Forged steel base and handle
- Allow handle to rotate and fall below mounting plane to lock in retracted position

Applications:

- Assembly
- Welding
- Staking, light presswork
- Tensioning devices

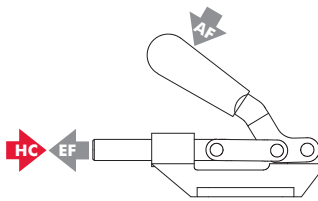
Also Available:

See page 8.1 for accessories

- ▲ 650
- 650-M

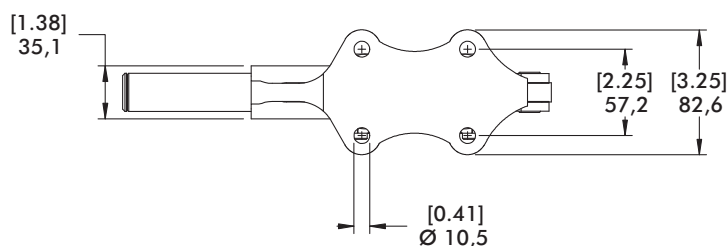
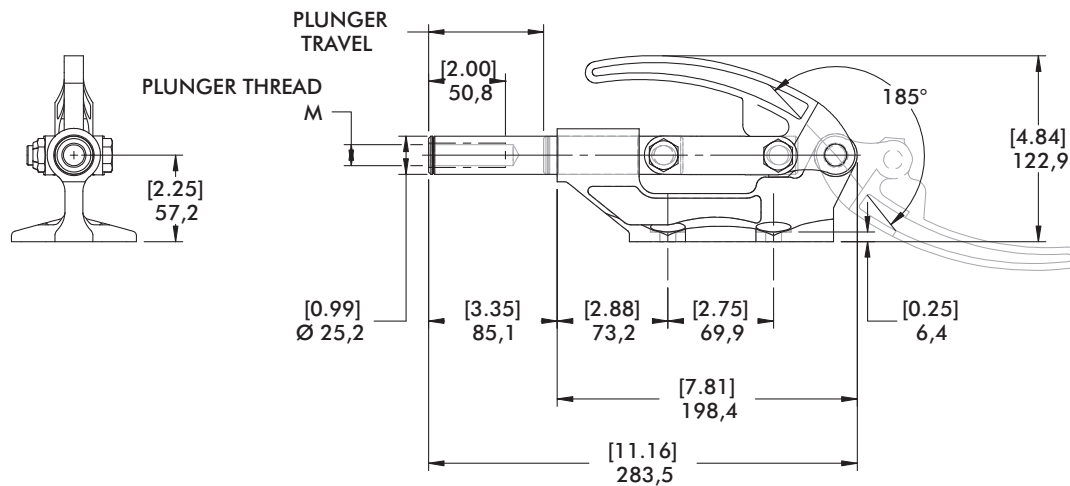


Series 650 Technical Information, Holding Capacities, Standard Clamp Dimensions



Model	Max. Holding Capacity	Weight	EF:AF (pushing)	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
▲ 650	[16,000 lbf] 71200 N	[5.69lb] 2,58kg	25:1	[3.00] 76,6	5/8-11	250203
● 650-M					M16	250203-M

HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Preferred Market: ▲ NA/SA ■ Europe ● Global



Series 95030, 95040, 95050, 95060 Product Overview

Features:

- Low profile with high holding capacities
- Cast steel base and handle
- Allow handle to rotate and fall below mounting plane to lock in retracted position

Applications:

- Assembly
- Testing
- Tensioning devices

Also Available:

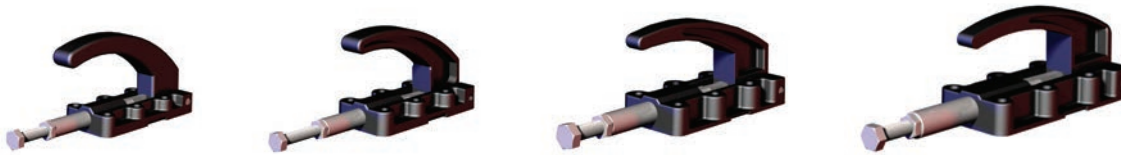
See page 8.1 for accessories

95030

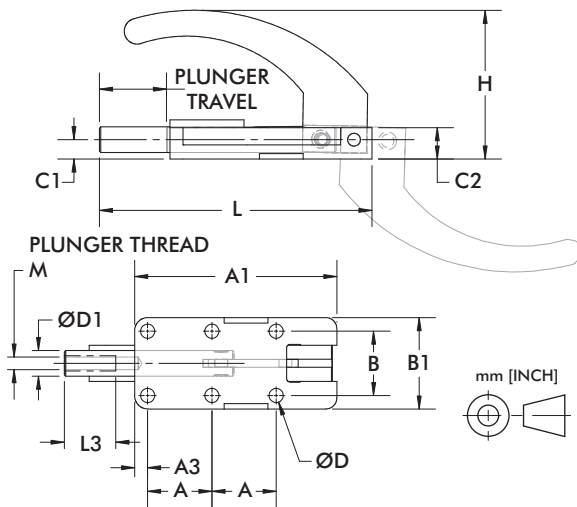
95040

95050 ⓘ

95060 ⓘ



Series 95030, 95040, 95050, 95060 Technical Information, Holding Capacities



Model	Max. Holding Capacity	Weight	Plunger Travel	(M) Plunger Thread	Recommended Spindle (Not Supplied)
95030	[550 lbf] 2450 N	[0.80lb] 2,58kg	[0.98] 24,9	M6	205203-M
95040	[1100 lbf] 4900 N	[1.60lb] 0,73kg	[1.50] 38,1	M8	207203-M
95050 ⓘ	[1650 lbf] 7340 N	[2.10lb] 0,95kg	[1.97] 50	M12X	220203-M
95060 ⓘ	[3960 lbf] 17600 N	[6.4lb] 2,9kg	[2.36] 60		

ⓘ This item is available upon request

HC = Holding Capacity, EF = Exerting Force, AF = Applied Force

Part No.	A	A1	A3	B	B1	C1	C2	ØD	ØD1	H	L	L3
95030	[0.98] 25	[3.09] 78,6	[0.20] 5	[0.98] 25	[1.40] 35,5	[0.30] 7,5	[0.48] 12,2	[0.22] 5,5	[0.39] 10	[2.28] 57,8	[4.17] 106	[0.79] 20
95040	[1.38] 35	[4.35] 110,6	[0.34] 8,6	[1.38] 35	[2.00] 50,7	[0.39] 10	[0.72] 18,3	[0.26] 6,5	[0.55] 14	[2.82] 71,7	[5.86] 148,9	[0.98] 25
95050 ⓘ	[1.77] 45	[5.54] 170,6	[0.40] 10,1	[1.77] 45	[2.60] 66	[0.55] 14	[0.94] 23,8	[0.33] 8,4	[0.75] 19	[3.21] 81,5	[7.48] 189,9	[1.57] 40
95060 ⓘ	[2.17] 55	[6.73] 170,9	[0.40] 10,1	[2.17] 55	[2.99] 76	[0.63] 16	[1.08] 27,4	[0.41] 10,5	[0.87] 22	[3.55] 90,2	[9.17] 233	[1.57] 40

ⓘ This item is available upon request Dimensions shown mm [inch]

[illegible]

Series 5130, 5131, 5133 Product Overview

Features:

- Reverse action allows the handle to stay out of the work zone
- Hardened steel pivot pins and bushings provide long life
- Black oxide finish with hardened plungers
- DE-STA-CO® Toggle Lock Plus versions available

Applications:

- Welding fixtures
- Assembly fixtures
- Light machining



5130/-M
5131/-M
5133/-M
Flanged Base



5130-B/-MB
5131-B/-MB
5133-B/-MB
Solid Base



5130-R/-MR
5131-R/-MR
5133-R/-MR
Flanged Base
with DE-STA-CO®
Toggle Lock Plus



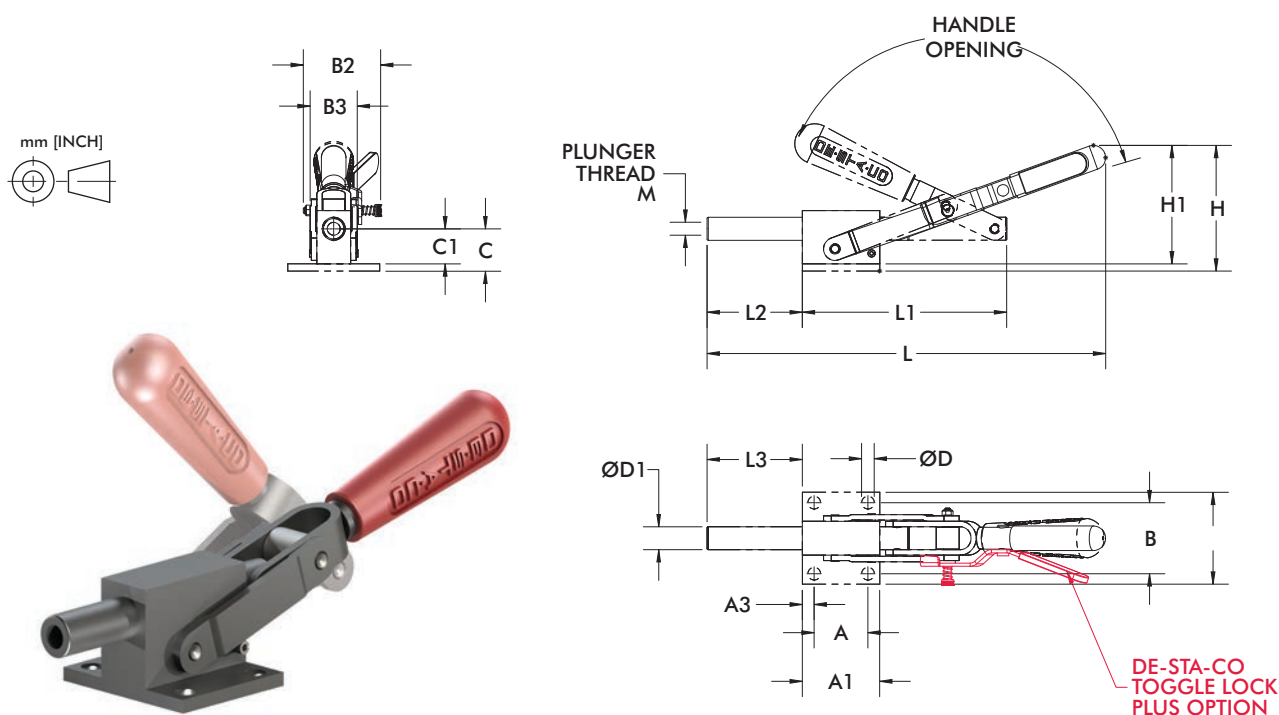
5130-BR①/-MBR①
5131-BR①/-MBR①
5133-BR①/-MBR①
Solid Base
with DE-STA-CO®
Toggle Lock Plus



Model	Max. Holding Capacity	Weight	Plunger Travel mm[in.]	Handle Opening	Plunger Thread (M)	Recommended Spindle (not supplied)
5131	[2500lbf.] 11120N	[1.12lbs] 0,51kg	[1.00] 25,4	113°	5/16-18	461203
5131-M					M8	461203-M
5131-B		[0.85lbs] 0,39kg			5/16-18	461203
5131-MB					M8	461203-M
5131-R		[1.13lbs] 0,51kg			5/16-18	461203
5131-MR					M8	461203-M
5131-BR①	[5800lbf.] 25800N	[0.86lbs] 0,39kg	[1.75] 44,5	125°	5/16-18	461203
5131-MBR①					M8	461203-M
5130		[2.87lbs] 1,30kg			1/2-13	z325203
5130-M					M12	220203-M
5130-B		[2.40lbs] 1,09kg			1/2-13	325203
5130-MB					M12	220203-M
5130-R	[4600lbf.] 20460N	[2.89lbs] 1,31kg	[3.13] 79,5	139°	1/2-13	325203
5130-MR					M12	220203-M
5130-BR①		[2.42lbs] 1,10kg			1/2-13	325203
5130-MBR①					M12	220203-M
5133		[3.12lbs] 1,41kg			1/2-13	325203
5133-M					M12	220203-M
5133-B		[2.65lbs] 1,20kg			1/2-13	325203
5133-MB					M12	220203-M
5133-R		[3.14lbs] 1,42kg			1/2-13	325203
5133-MR					M12	220203-M
5133-BR①		[2.67lbs] 1,21kg			1/2-13	325203
5133-MBR①					M12	220203-M

① This item is available upon request

Series 5130, 5131, 5133 Standard Clamp Dimensions



Model	A	A1	A3	B	B1	B2	B3	C	D	D1	H	L	L1	L2
5131														
5131-M	[1.13] 28,7	[1.73] 43,9	[0.30] 7,6	[1.87] 47,5	[2.52] 64,0	--	[1.14] 29,0	[1.10] 28,0	[0.34] 8,6	[0.51] 13,0	[3.15] 80,0	[7.37] 187,2	[3.27] 83,0	[1.15] 29,3
5131-R						[1.90] 48,3								
5131-MR														
5130														
5130-M						--					[3.63] 92,3	[11.11] 282,4	[5.20] 132,0	[1.96] 49,7
5130-R	[1.75] 44,5	[2.52] 64,0	[0.38] 9,7	[2.31] 58,7	[2.99] 75,9	[2.52] 64,0								
5130-MR							[1.57] 39,9	[1.38] 35,1	[0.41] 10,4	[0.75] 19,1				
5133														
5133-M						--					[4.22] 107,2	[12.89] 327,3	[6.58] 167,0	[3.23] 82,2
5133-R	[1.75] 44,5	[2.52] 64,0	[0.38] 9,65	[2.31] 58,7	[2.99] 75,9	[2.52] 64,0								
5133-MR														

Model	B2	B3	C1	D1	H1
5131-B	--				[2.91] 74,0
5131-MB		[1.14] 29,0	[0.87] 22,1	[0.51] 13,0	[2.89] 73,5
5131-BR ⓘ	[1.90] 48,3				
5131-MBR ⓘ					
5130-B	--				[3.40] 86,3
5130-MB					[3.17] 80,5
5130-BR ⓘ	[2.52] 64,0	[1.57] 39,9	[1.14] 29,0	[0.75] 19,1	[3.98] 101,2
5130-MBR ⓘ					
5133-B	--				[3.85] 97,9
5133-MB					
5133-BR ⓘ	[2.52] 64,0				
5133-MBR ⓘ					

ⓘ This item is available upon request

Series 5150 Product Overview

Features:

- Square plunger provides positive radial location
- Reverse action allows the handle to stay out of the work zone
- Hardened steel pivot pins and bushings provide long life
- Black oxide finish with hardened plungers
- DE-STA-CO® Toggle Lock Plus versions available

Applications:

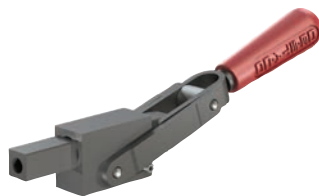
- Welding fixtures
- Assembly fixtures
- Light machining



5150/5150-M
Flanged Base



5150-B/5150-M
Solid Base



5150-R/5150-MR
Flanged Base
with
DE-STA-CO®
Toggle Lock
Plus



5150-BR^①/5150-MBR^①
Solid Base
with
DE-STA-CO®
Toggle Lock
Plus

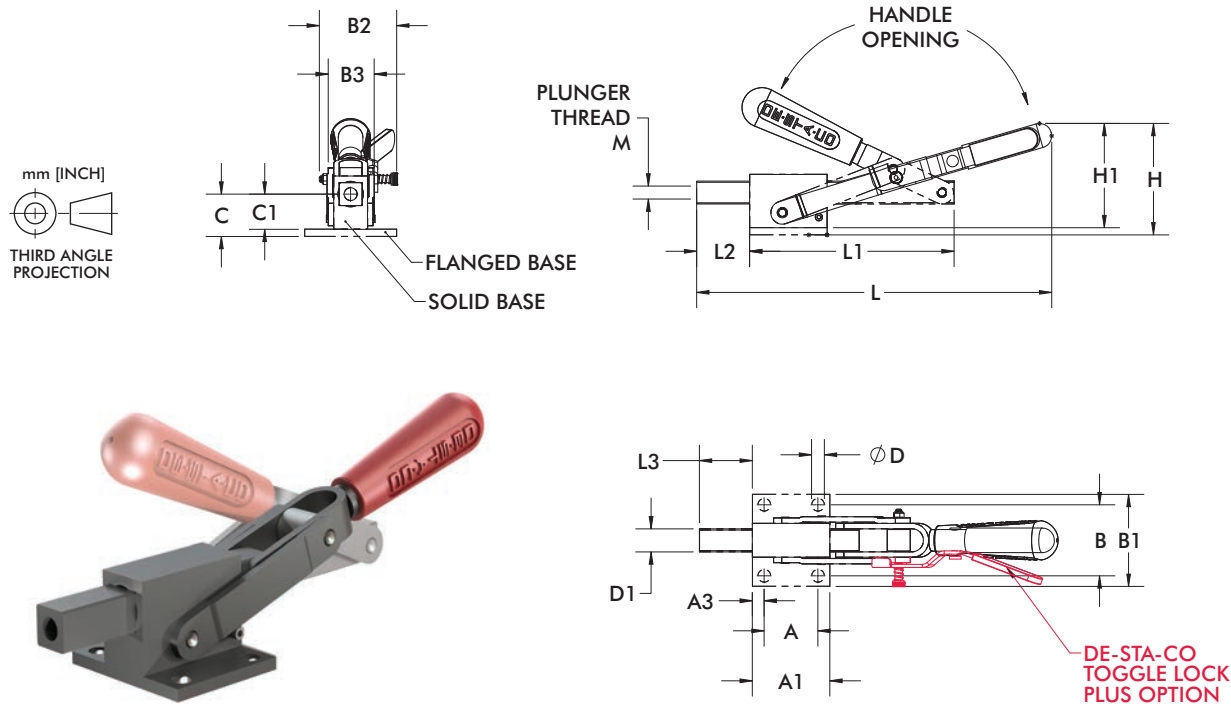


Series 5150 Technical Information

Model	Max. Holding Capacity	Weight	Plunger Travel mm[in.]	Handle Opening	Plunger Thread (M)	Recommended Spindle (not supplied)
5150	[5800lbf.] 25800N	[1.12lbs] 0,51kg	[1.00] 25,4	113°	1/2-13	461203
5150-M					M12	461203-M
5150-B		[0.85lbs] 0,39kg			1/2-13	461203
5150-MB					M12	461203-M
5150-R		[1.13lbs] 0,51kg			1/2-13	461203
5150-MR					M12	461203-M
5150-BR^①		[0.86lbs] 0,39kg			1/2-13	461203
5150-MBR^①					M12	461203-M

^① This item is available upon request

Series 5150 Standard Clamp Dimensions



Model	A	A1	A3	B	B1	B2	B3	D	D1	H	H1	L
5150	[1.75]	[2.52]	[0.38]	[2.31]	[2.99]			[0.41]		[3.84]	--	[13.02]
5150-M	44,5	64,0	9,7	58,7	75,9	--		10,4		97,5	--	330,7
5150-B	--	--	--	--	--			--		--	[3.60]	
5150-MB	--	--	--	--	--		[1.54]	--	[0.75]	--	91,5	
5150-R	[1.75]	[2.52]	[0.38]	[2.31]	[2.99]		39,1	[0.41]	19,1	[3.63]	--	[12.93]
5150-MR	44,5	64,0	9,7	58,7	75,9	[2.52]		10,4		92,1	--	328,4
5150-BR ⓘ	--	--	--	--	--	64,0		--		--	[3.89]	
5150-MBR ⓘ	--	--	--	--	--			--		--	86,1	

Model	L1	L2	M
5150			1/2-13
5150-M			M12
5150-B			1/2-13
5150-MB	[6.58]	[3.24]	M12
5150-R	167,0	82,2	1/2-13
5150-MR			M12
5150-BR ⓘ			1/2-13
5150-MBR ⓘ			M12

ⓘ This item is available upon request

Series 602, 604, 624 Product Overview

Features:

- Versatile and compact straight line action clamps
- Threaded body for through hole mounting
- SS models are stainless steel

Applications:

- Assembly
- Checking fixtures
- Welding fixtures
- Tensioning devices

Also Available:

See page 8.1 for accessories

▲ 602
▲ 602-SS
● 602-MM
■ 602-MMSS



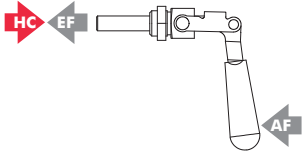
▲ 604
▲ 604-SS
● 604-MM
● 604-MMSS ⓘ



▲ 624
● 624-SS
● 624-MM



Series 602, 604, 624 Technical Information, Holding Capacities, Standard Clamp Dimensions



Model	Max. Holding Capacity	Weight	EF:AF (pushing/pulling)	Plunger Travel	(M) Plunger Thread	Spindle (Recommended)	Mounting Nut (Supplied)
▲ 602					1/4-20	205203	602105
▲ 602-SS	[200 lbf] 900 N	[0.12lb] 0,05kg	31:1/28:1	[0.75] 19		202943	602905
● 602-MM					M6	205203-M	602105-M
■ 602-MMSS						202943-M	602905-M
▲ 604	[300 lbf] 1330 N				5/16-18	207203	606104
▲ 604-SS	[400 lbf] 1780 N	[0.44lb] 0,20kg	45:1/26:1	[1.50] 38		--	606904
● 604-MM	[300 lbf] 1330 N				M8	207943	606104-M
● 604-MMSS ⓘ	[400 lbf] 1780 N					207943-M (included)	606904-M
▲ 624					3/8-16	210203	624105
● 624-SS	[700 lbf] 3110 N	[1.63lb] 0,74kg	49:1/21:1	[2.63] 66		237943 (included)	624905
● 624-MM					M10	210203-M	624105-M

ⓘ This item is available upon request HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Preferred Market: ▲ NA/SA ■ Europe ● Global

Series 602, 604, 624 Standard Clamp Dimensions 602/604/624/-SS/-MM/-MMSS

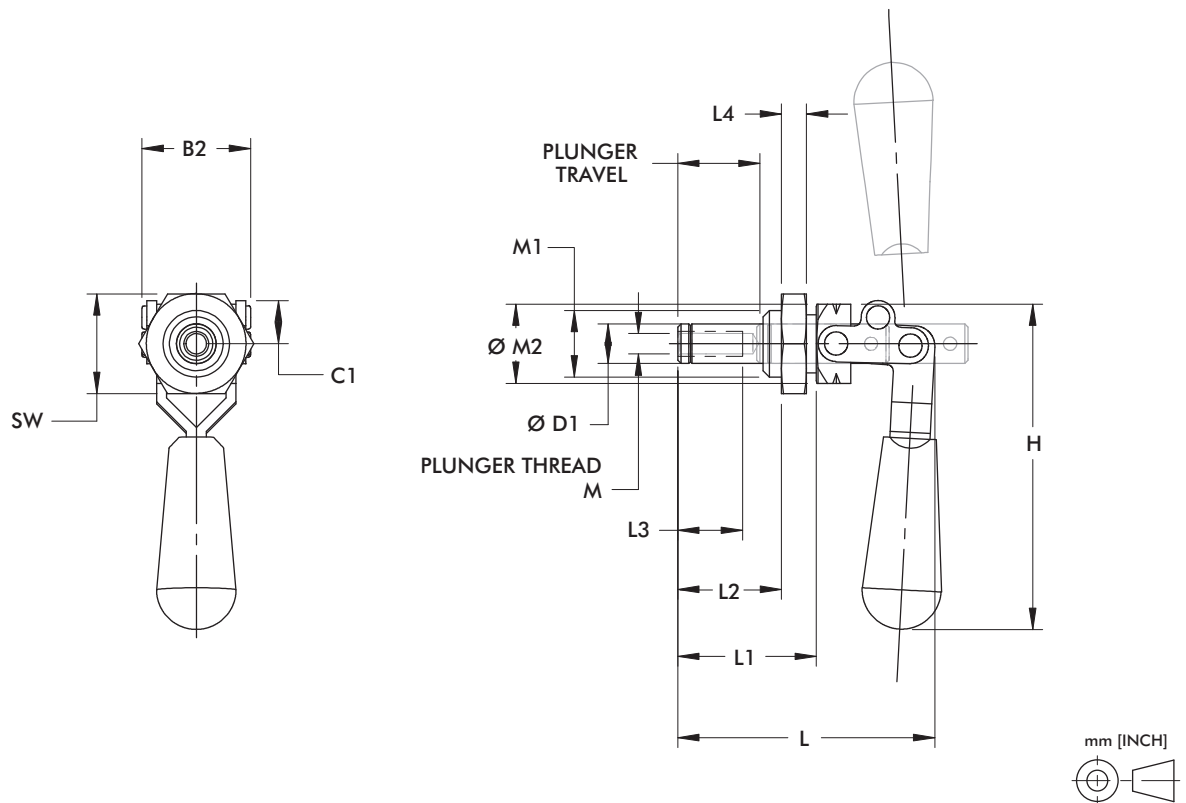
▲ 602
▲ 602-SS
● 602-MM
■ 602-MMSS



▲ 604
▲ 604-SS
● 604-MM
● 604-MMSS①



▲ 624
● 624-SS
● 624-MM



Model no.	B2	C1	ØD1	H	L	L1	L2	L3	L4	M1	M2	SW
602	[1.03] 26	[0.88] 22	[0.39] 10	[3.13] 80	[2.62] 67	[1.31] 33	[0.97] 25	[0.63] 16	[0.25] 6	5/8-18	[0.75] 19	0.44 in
602-SS										M16x1.5		24mm
602-MM												
602-MMSS												
604	[1.81] 46	[0.50] 13	[0.44] 11	[4.16] 106	[4.95] 126	[2.18] 55	[1.82] 46	[1.00] 25	[0.25] 6	3/4-16	[0.88] 22	1.00 in
604-SS										M20x1.5		30mm
604-MM												
604-MMSS												
624	[1.81] 46	[0.75] 19	[0.62] 16	[5.60] 142	[6.68] 170	[3.62] 92	[3.24] 82	[1.25] 32	[0.25] 6	1-14	[1.25] 32	1.50 in
624-SS										M27x2		41mm
624-MM												

Dimensions shown mm [inch]

Series 6004 Product Overview

Features:

- Similar in size to Model 604, with a solid body
- 50% more holding capacity than 604
- May be mounted through a hole or in a tapped hole.
- Locks over center in the extended and retracted position

Applications:

- Assembly
- Checking fixtures
- Welding fixtures
- Tensioning devices

Also Available:

See page 8.1 for accessories

Covered under one year or more U.S./International Patents

▲ 6004

● 6004-MM

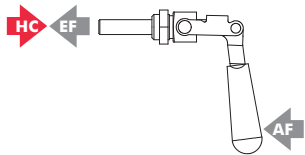


▲ 6004-R

● 6004-MMR
with
DE-STA-CO®
Toggle Lock
Plus



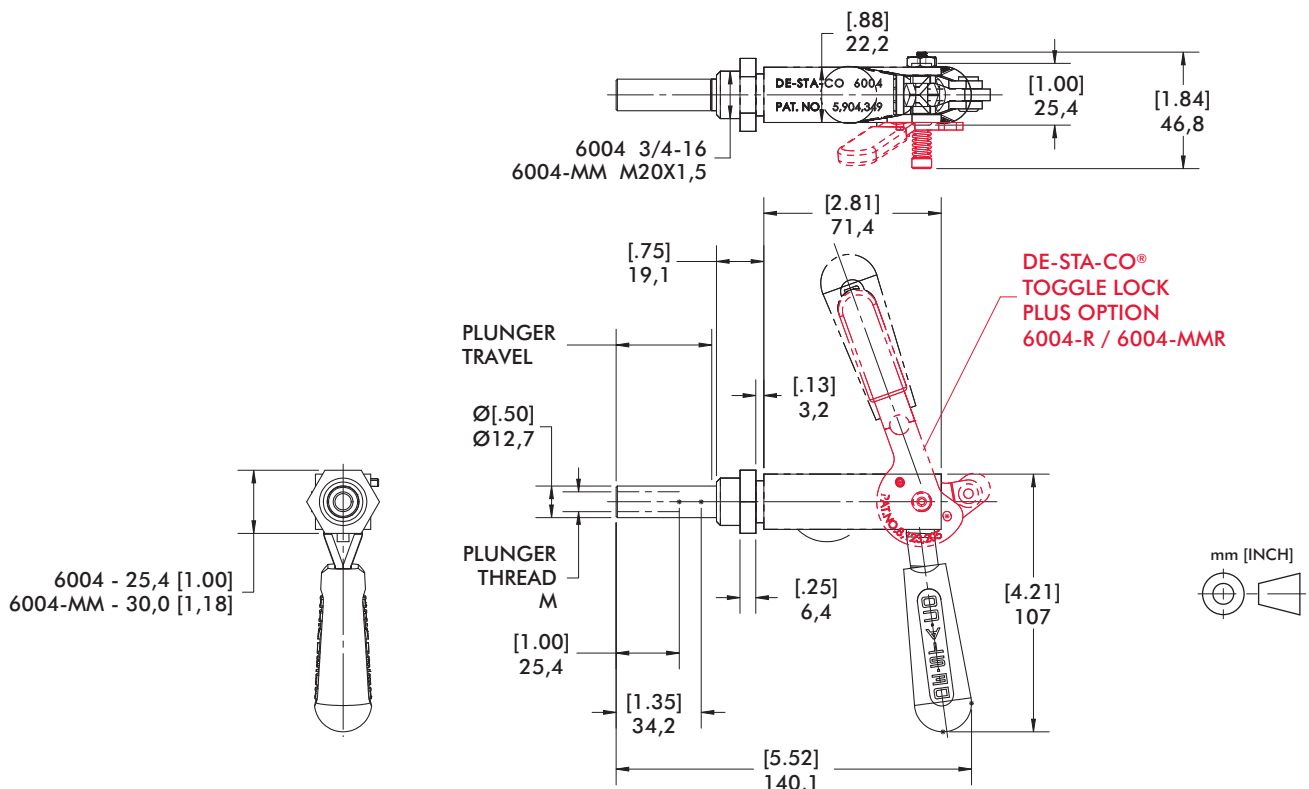
Series 6004 Technical Information, Holding Capacities, Standard Clamp Dimensions



Model	Max. Holding Capacity	Weight	EF:AF (pushing)	Plunger Travel	(M) Plunger Thread	Spindle (Recommended)	Mounting Nut (Supplied)
▲ 6004	[450 lbf] 2000 N	[0.81lb] 0,37kg	14.4:1	38 [1.50]	5/16-18	207203	606104
● 6004-MM					M8	207203-M	606104-M
▲ 6004-R		[0.89lb] 0,40kg			5/16-18	207203	606104
● 6004-MMR					M8	207203-M	606104-M

HC = Holding Capacity, EF = Exerting Force, AF = Applied Force

Preferred Market: ▲ NA/SA ■ Europe ● Global

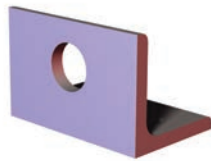


Mounting Plates for Series 602, 604, 624, 6004 Product Overview

Features:

- Mounting accessories for Threaded Body Straight Line Action Clamps

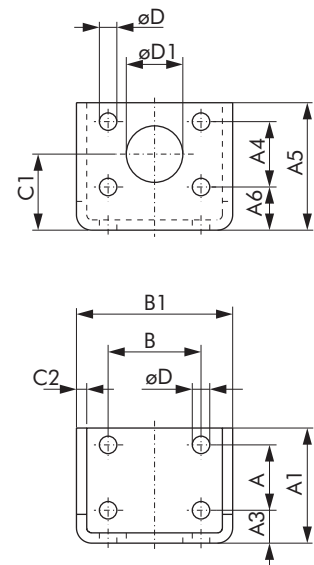
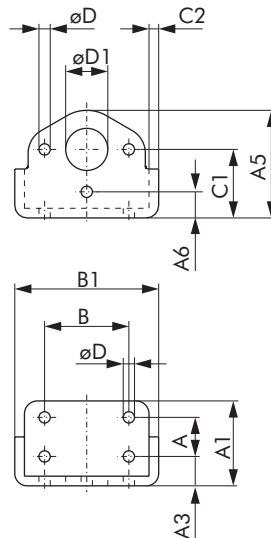
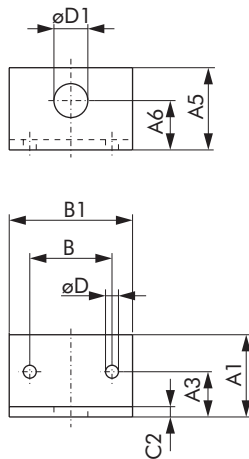
602106-M



604106,
604106-M



624106-M



Item Number	For Use With	A	A1	A3	A4	A5	A6	B	B1	C1	C2	D	D1
602106-M	602 602-MM	--	[1.57] 40	[0.87] 22	--	[1.57] 40	[0.94] 24	[1.57] 40	[2.36] 60	--	[0.20] 5	[0.25] 6,3	[0.65] 16,5
604106	604 6004	[0.75] 19,1	[1.60] 40,6	[0.55] 14	--	[2.05] 52,1	[0.50] 12,7	[1.62] 41,1	[2.80] 71,1	[1.30] 33	[0.19] 4,7	[0.22] 5,6	[0.75] 19,1
604106-M	604-MM 6004-MM												
624106-M	624 624-MM	[1.25] 31,8	[2.20] 56	[0.63] 16	[1.25] 31,8	[2.44] 62	[0.83] 21	[1.78] 45,2	[2.99] 76	[1.46] 37	[0.20] 5	[0.33] 8,5	[1.08] 27,5

Dimensions shown mm [inch]