

Series 2007 Product Overview

Features:

- Large hand clearance for improved safety
- Bolt pattern interchangeable with 207 Series
- Over two times the holding capacity of 207 Series
- Hardened bushings at key pivot points
- Near vertical clamping contact

Applications:

- Checking fixtures
- Assembly & test
- Light machining
- Woodworking

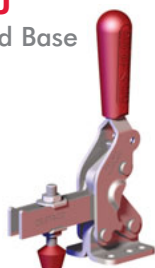
Also Available:

See page 8.1 for accessories

Accepts M8 or 5/16 spindle accessories

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

2007-U
Flanged Base
U-Bar



2007-S
Flanged Base
Solid Bar



2007-UB
Straight Base
U-Bar



2007-SB
Straight Base
Solid Bar



2007-UR
Flanged Base
U-Bar
with
DE-STA-CO®
Toggle Lock
Plus



2007-SR^①
Flanged Base
Solid Bar
with
DE-STA-CO®
Toggle Lock
Plus



2007-UBR
Straight Base
U-Bar
with
DE-STA-CO®
Toggle Lock
Plus



2007-SBR^①
Straight Base
Solid Bar
with
DE-STA-CO®
Toggle Lock
Plus



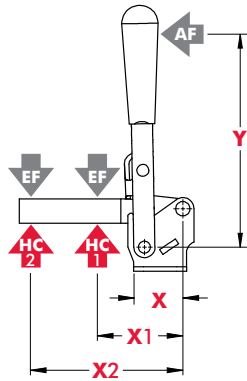
Note:
Clamps shown with included accessories.

Series 2007 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)		
					Bolt Retainer	Spindle Assembly	Flanged Washers
2007-U	4450 N [1000 lbf]	76°	64°	0,54kg [1.20lbs]	---	2007208-M	507107
2007-S					2007115-E	---	---
2007-UB					---	2007208-M	507107
2007-SB					2007115-E	---	---
2007-UR					---	2007208-M	507107
2007-SR^①					2007115-E	---	---
2007-UBR					---	2007208-M	507107
2007-SBR^①					2007115-E	---	---

^① This item is available upon request

Series 2007 Holding Capacities

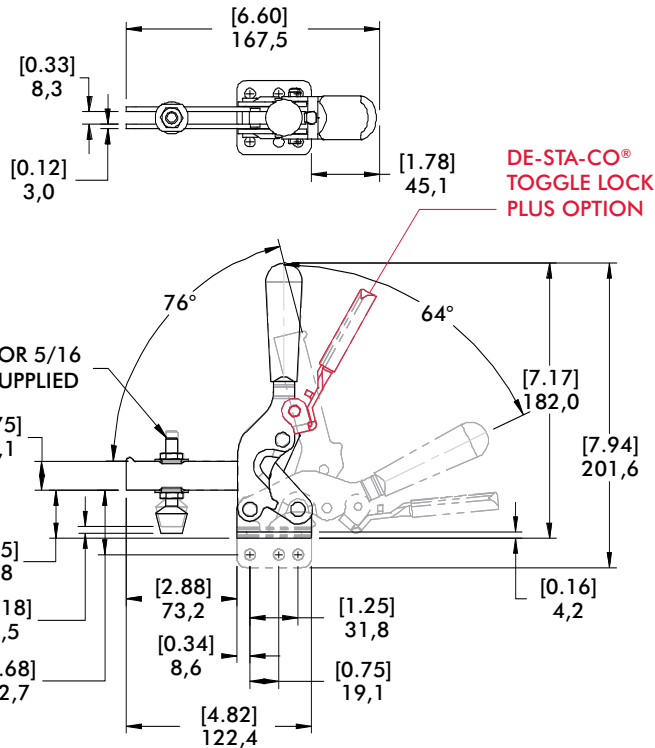
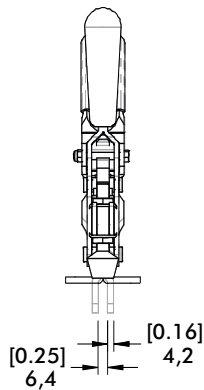
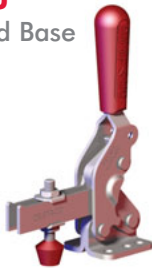


Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
2007-()	[1.59] 40,5	[1.95] 49,5	[3.92] 99,5	[5.16] 131	[1000lbf.] 4450N	[470lbf.] 2090N	10:1	5.3:1

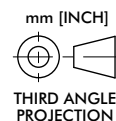
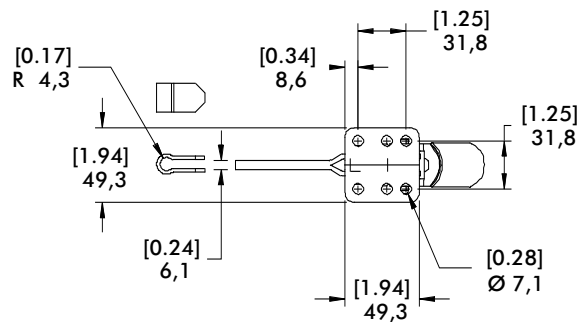
Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Refer to page 20.4 for additional information.

Series 2007 Standard Clamp Dimensions -U/-S/-UB/-SB/-UR/-SR/-UBR/-SBR

2007-U Flanged Base U-Bar



2007-SB Straight Base Solid Bar



Series 2002 Product Overview

Features:

- Large hand clearance for improved safety
- Bolt pattern interchangeable with 202 Series
- Three times the holding capacity of 202 Series
- Hardened bushings at key pivot points
- Near vertical clamping contact

Applications:

- Checking fixtures
- Assembly & test
- Light machining
- Woodworking

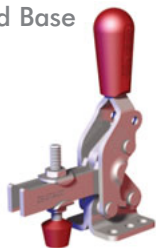
Also Available:

See page 8.1 for accessories

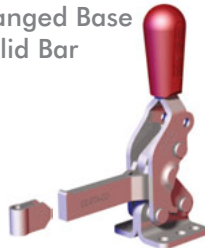
Accepts M6 or 1/4 spindle accessories

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

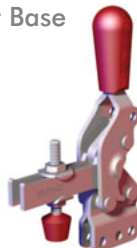
2002-U
Flanged Base
U-Bar



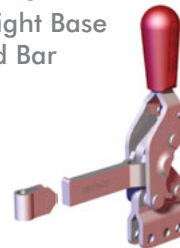
2002-S
Flanged Base
Solid Bar



2002-UB
Straight Base
U-Bar



2002-SB
Straight Base
Solid Bar



2002-UR
Flanged Base
U-Bar
with
DE-STA-CO®
Toggle Lock
Plus



2002-SR^①
Flanged Base
Solid Bar
with
DE-STA-CO®
Toggle Lock
Plus



2002-UBR
Straight Base
U-Bar
with
DE-STA-CO®
Toggle Lock
Plus



2002-SBR^①
Straight Base
Solid Bar
with
DE-STA-CO®
Toggle Lock
Plus



2002-U207
Flanged Base
U-Bar
Interchangeable
with 207 Series



2002-UR207
Flanged Base
U-Bar
Interchangeable
with 207 Series,
DE-STA-CO®
Toggle
Lock Plus



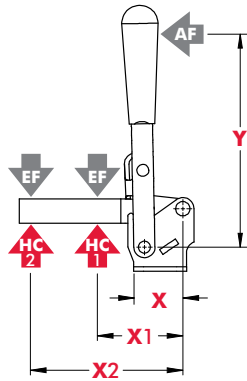
Note:
Clamps shown with included accessories.

Series 2002 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)		
					Bolt Retainer	Spindle Assembly	Flanged Washers
2002-U	2700 N [600 lbf]	75°	66°	0,22kg [0.48lb]	---	215208-M	215105
2002-S					2002115-E	---	---
2002-UB					---	215208-M	215105
2002-SB					2002115-E	---	---
2002-UR				0,25kg [0.55lb]	---	215208-M	215105
2002-SR^①					2002115-E	---	---
2002-UBR					---	215208-M	215105
2002-SBR^①					2002115-E	---	---
2002-U207	2700 N [600 lbf]	90°	72°	0,26kg [0.57lb]	---	215208-M	215105
2002-UR207		75°	57°		---	215208-M	215105

^① This item is available upon request

Series 2002 Holding Capacities

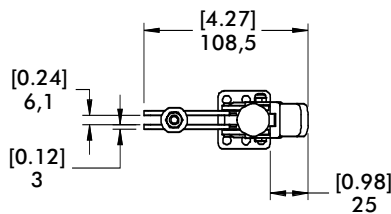
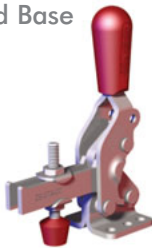


Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
2002-()	[1.12] 28,5	[1.45] 37	[2.64] 67	[3.66] 93	[600 lbf] 2700N	[295 lbf] 1310N	11:1	5:1

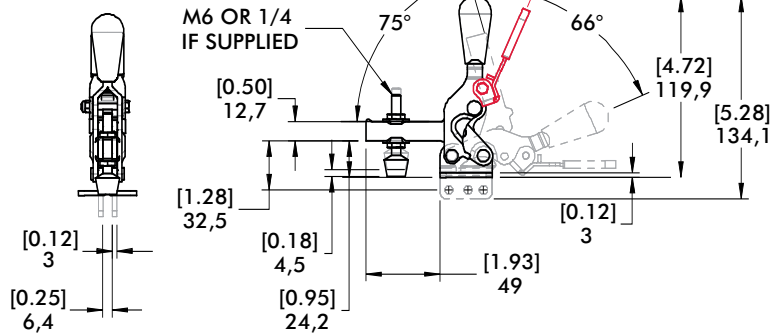
Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Refer to page 20.4 for additional information.

Series 2002 Standard Clamp Dimensions -U/-S/-UB/-SB/-UR/-SR/-UBR/-SBR

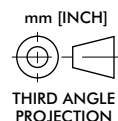
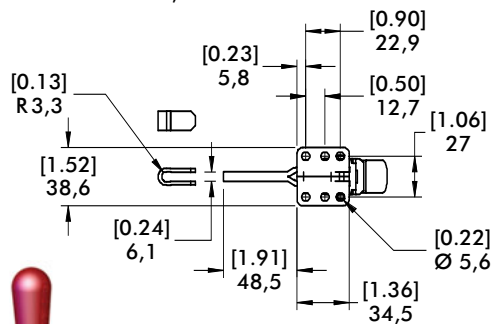
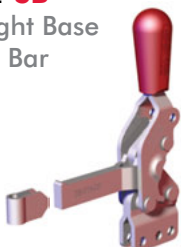
2002-U Flanged Base U-Bar



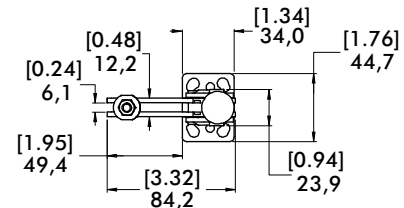
DE-STA-CO®
TOGGLE LOCK
PLUS OPTION



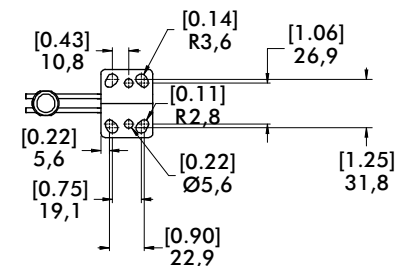
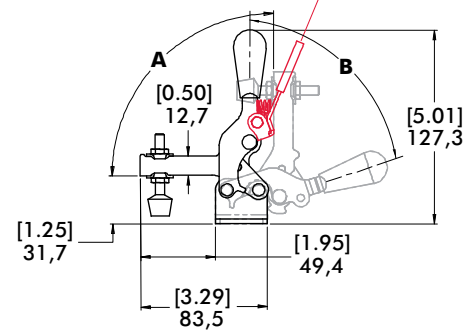
2002-SB Straight Base Solid Bar



2002-U207/2002-UR207 with interchangeable Series 207 Mounting Pattern



DE-STA-CO®
TOGGLE LOCK
PLUS OPTION



Model	A	B
2002-U-207	90°	72°
2002-UR207	75°	57°

Series 201 Product Overview

Features:

- Smallest series in the Vertical Handle series
- Stainless steel version available

Applications:

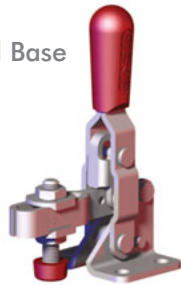
- Checking fixtures
- Assembly & test
- Woodworking

Also Available:

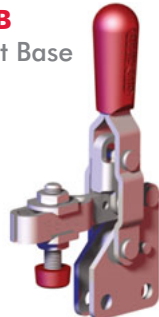
See page 8.1 for accessories

812-U Pneumatic Toggle Clamp
(See page 10.4)

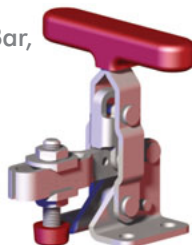
201-U
Flanged Base
U-Bar



201-UB
Straight Base



201-TU
Straight
Base, U-Bar,
T-Handle



201-USS
Flanged Base
U-Bar, Stainless
Steel

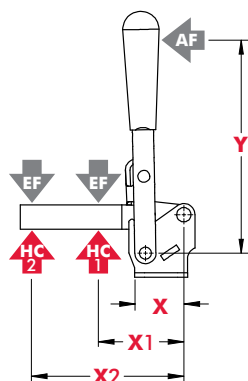


Note:
Clamps shown with included accessories.

Series 201 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)	
					Spindle Assembly	Flanged Washers
201-U	440 N [100 lbf]	100°	55°	0,70kg [0.15lbs]	305208-M	102111
201-UB						
201-TU	560 N [125 lbf]				201943	102911
201-USS						

Series 201 Holding Capacities

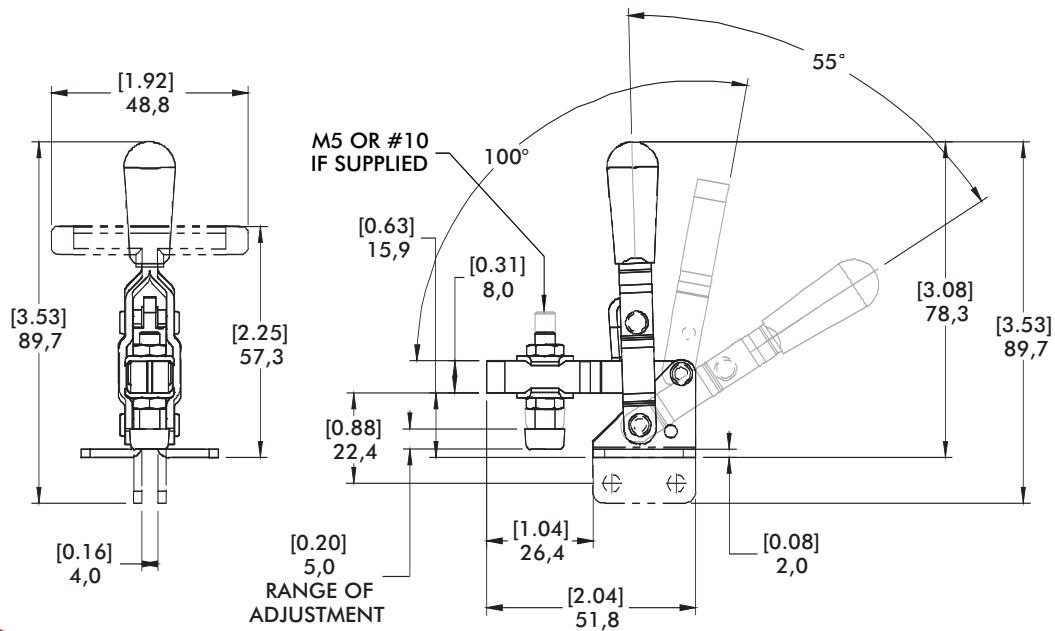
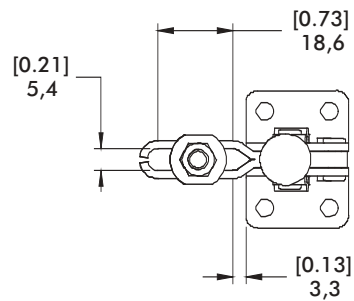
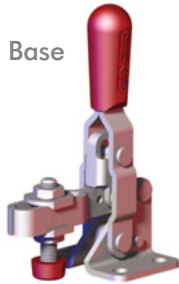


Model	X	X1	X2	Y	‡HC1	‡HC2	‡EF(X1):AF	‡EF(X2):AF
U/UB				[2.25] 57	[100lbf.] 440N	[55lbf.] 245N	9:1	6:1
TU	[0.87] 22	[1.06] 27	[1.75] 44,5	[1.38] 35			8.4:1	4:4:1
USS				[2.25] 57	[125lbf.] 560N	[60lbf.] 270N	9:1	6:1

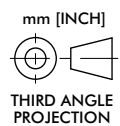
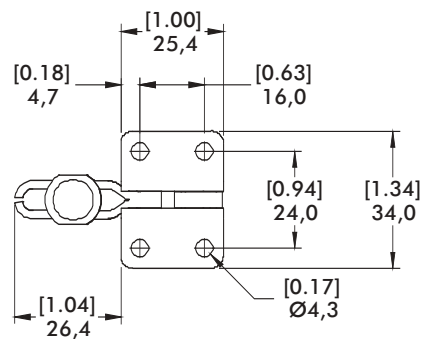
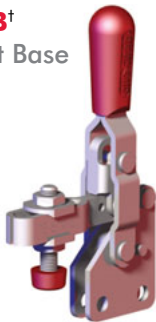
Dimensions shown "mm [inch]" ‡ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Refer to page 20.4 for additional information.

Series 201 Standard Clamp Dimensions -U/-UB/-TU/-USS

201-U[†]
Flanged Base
U-Bar



201-UB[†]
Straight Base



Series 2010 Product Overview

Features:

- Large hand clearance for improved safety
- Bolt pattern interchangeable with 210 Series
- Over two times the holding capacity of 210 Series
- Hardened bushings at key pivot points
- Near vertical clamping contact

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

Applications:

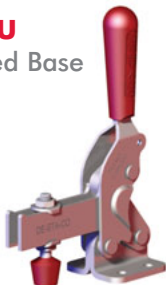
- Checking fixtures
- Assembly & test
- Light machining
- Woodworking

Also Available:

See page 8.1 for accessories

Accepts M10 or 3/8 spindle accessories

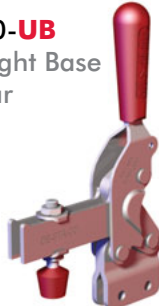
2010-U
Flanged Base
U-Bar



2010-S
Flanged Base
Solid Bar



2010-UB
Straight Base
U-Bar



2010-SB
Straight Base
Solid Bar



2010-UR
Flanged Base
U-Bar
with DE-STA-CO®
Toggle Lock Plus



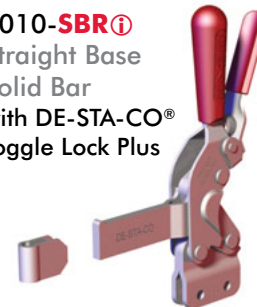
2010-SR^①
Flanged Base
Solid Bar
with DE-STA-CO®
Toggle Lock Plus



2010-UBR
Straight Base
U-Bar
with DE-STA-CO®
Toggle Lock Plus



2010-SBR^①
Straight Base
Solid Bar
with DE-STA-CO®
Toggle Lock Plus



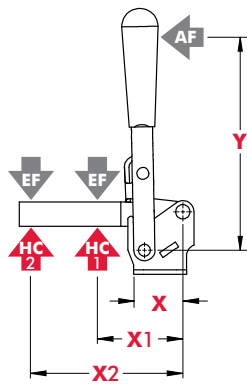
Note:
Clamps shown with included accessories.

Series 2010 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)		
					Bolt Retainer	Spindle Assembly	Flanged Washers
2010-U	6230 N [1400 lbf]	78°	66°	1,16kg [2.56lbs]	---	240208-M	235106
2010-S					2010115-E	---	---
2010-UB					---	240208-M	235106
2010-SB					2010115-E	---	---
2010-UR					---	240208-M	235106
2010-SR^①					2010115-E	---	---
2010-UBR					---	240208-M	235106
2010-SBR^①					2010115-E	---	---

^① This item is available upon request

Series 2010 Holding Capacities

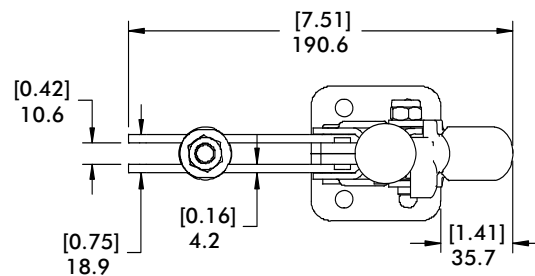
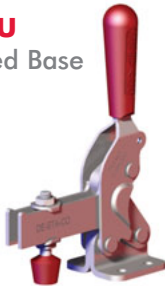


Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
2010-()	[2.04] 51,8	[2.44] 62	[4.88] 124	[7.00] 178	[1400lbf.] 6230N	[720lbf.] 3200N	13:1	6:1

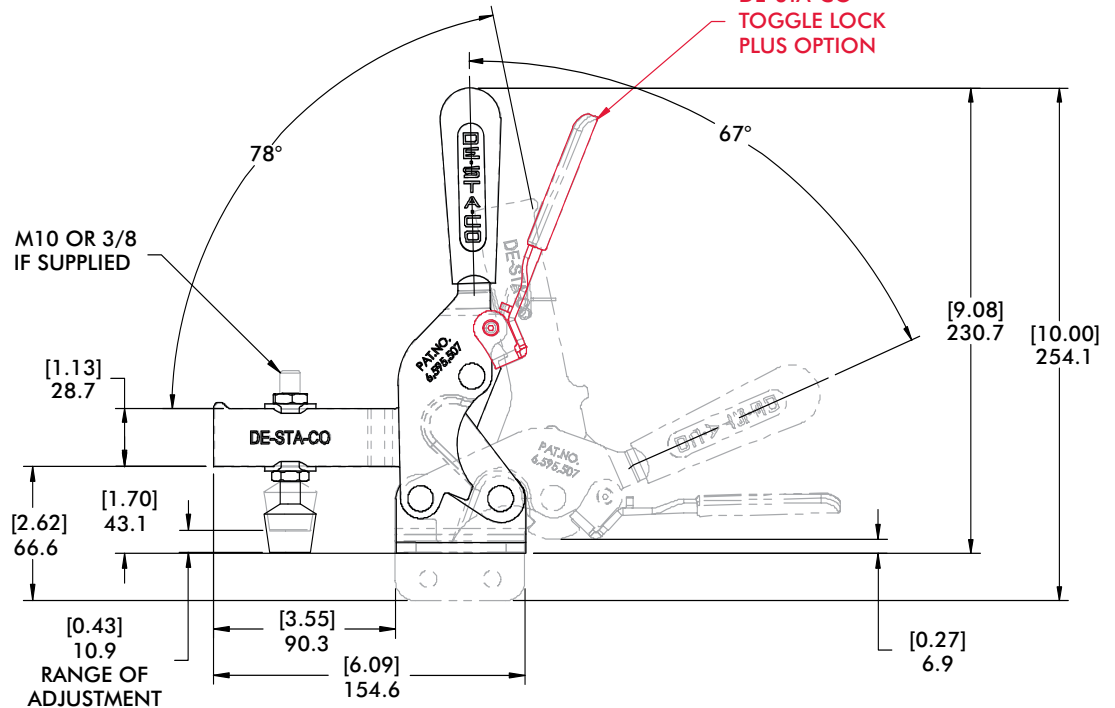
Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Refer to page 20.4 for additional information.

Series 2010 Standard Clamp Dimensions -U/-S/-UB/-SB/-UR/-SR/-UBR/-SBR

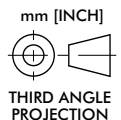
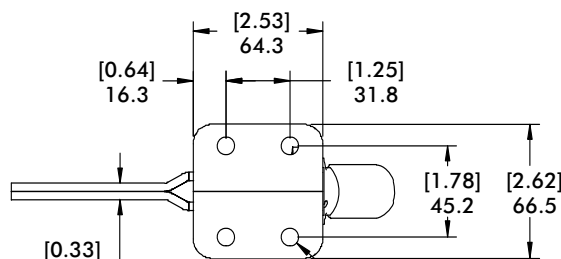
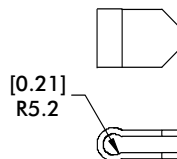
2010-U
Flanged Base
U-Bar



DE-STA-CO®
TOGGLE LOCK
PLUS OPTION



2010-SB
Straight Base
Solid Bar



Series 202 Product Overview

Features:

- Two bar styles available
- Low profile T-Handle version available
- Available in stainless steel
- Accommodates M6 or 1/4" spindle accessories

Applications:

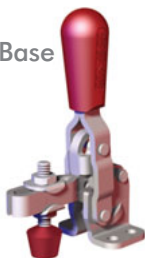
- Checking fixtures
- Assembly & test
- Light machining
- Woodworking

Also Available:

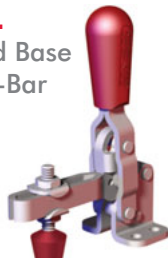
See page 8.1 for accessories

802-U Pneumatic Toggle Clamp
(See page 10.6)

202-U
Flanged Base
U-Bar



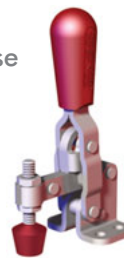
202-UL
Flanged Base
Long U-Bar



202-USS
Flanged Base
U-bar, Stainless
Steel



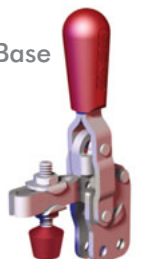
202
Flange Base
Solid Bar



202-SS
Flanged Base
Solid Bar
Stainless Steel



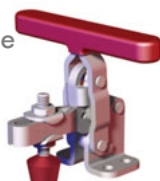
202-UB
Straight Base
U-bar



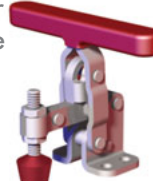
202-B
Straight Base
Solid Bar



202-TU
Flanged Base
U-bar,
T-Handle



202-T
Flanged Base
Solid Bar
T-Handle



202-U-L^①
Flanged Base
Open U-Bar



202-UB-L^①
Straight Base
Open U-Bar



Note:

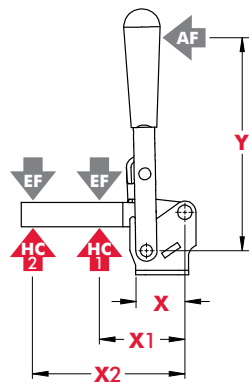
Clamps shown with included accessories.

Series 202 Technical Information

					Accessories (Supplied)	
Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Spindle Assembly	Flanged Washers
202-U	890 N [200 lbf]	105°	65°	0,16kg [0.35lbs]	202208-M	215105
202-UL						
202-USS					202943	215905
202	890 N [200 lbf]			0,15kg [0.33lbs]	202208-M	---
202-SS	1110 N [250 lbf]				202943	---
202-UB	890 N [200 lbf]				0,16kg [0.35lbs]	202208-M
202-B				0,15kg [0.33lbs]		
202-TU				0,17kg [0.38lbs]		
202-T				0,16kg [0.35lbs]	---	---
202-U-L ⓘ						
202-UB-L ⓘ						

ⓘ This item is available upon request

Series 202 Holding Capacities



Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
202-U	[0.79] 20	[1.25] 32	[2.25] 57	[3.42] 87	[200 lbf] 890N	[140 lbf] 625N	10:1	5:1
202-UL			[2.88] 73	87	890N	[150 lbf] 670N		4:1
202-USS			[2.25] 57	[3.00] 76	[250 lbf] 1110N	[170 lbf] 760N		5:1
202		---	[1.88] 48	[3.42] 87	---	[200 lbf] 890N	---	8:1
202-SS			[3.00] 76	[3.00] 76	---	[250 lbf] 1110N		---
202-UB			[2.25] 57	[3.42] 87	[200 lbf] 890N	[140 lbf] 625N		5:1
202-B		---	[1.88] 48	87	---	[200 lbf] 890N	---	8:1
202-TU		[1.25] 32	[2.25] 57	[2.13] 54	[200 lbf] 890N	[140 lbf] 625N	11:1	7:1
202-T		---	[1.88] 48	54	---	[200 lbf] 890N	---	6:1
202-U-L ⓘ		[1.25] 32	[2.25] 57	[3.42] 87	[200 lbf] 890N	[140 lbf] 625N	10:1	5:1
202-UB-L ⓘ		[1.25] 32	[2.25] 57	[3.42] 87	[200 lbf] 890N	[140 lbf] 625N	10:1	5:1

Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force

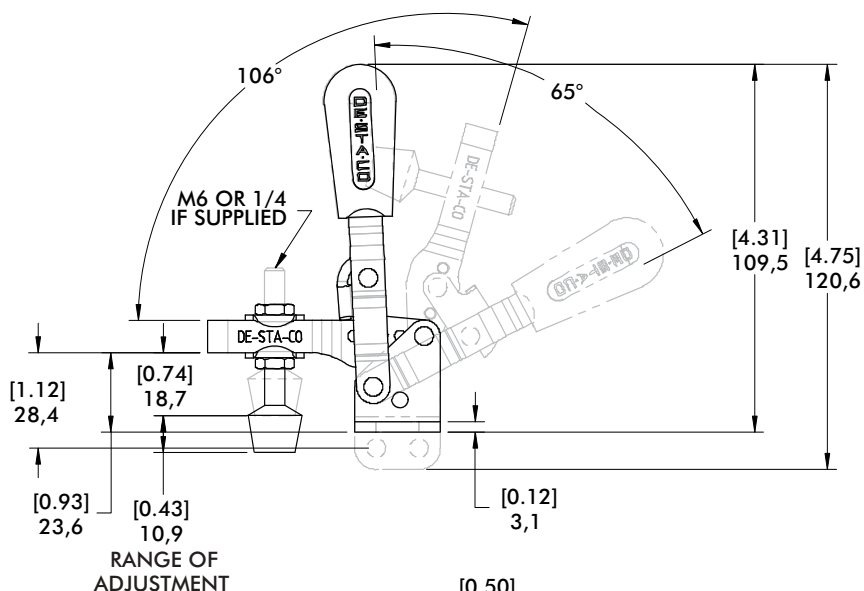
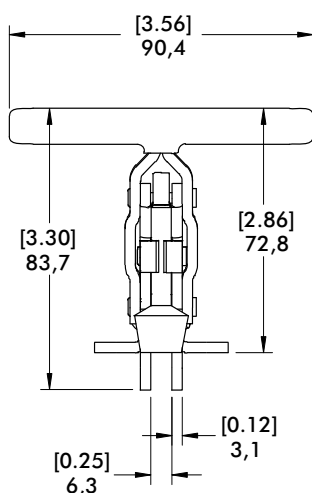
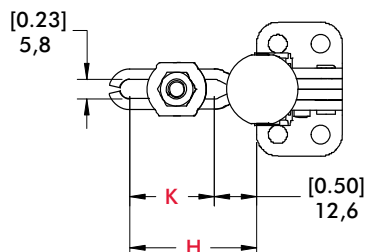
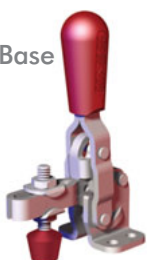
ⓘ This item is available upon request

Series 202 Standard Clamp Dimensions

202/-U/-UL/-USS/-SS/-UB/-B/-TU/-T

202-**U**[†]

Flanged Base U-Bar



Series 202 Open Bar

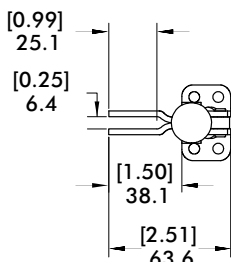
Flanged Base

Model

202-U-L ⓘ



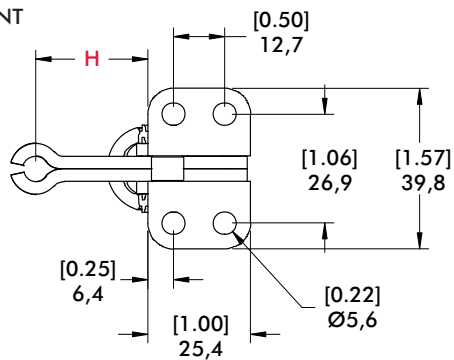
See page (8.7) for
Complete offering of
Open bar accessories



Straight Base

Model

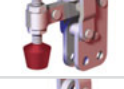
202-UB-L ⓘ



mm [INCH]



THIRD ANGLE
PROJECTION

Bar Style	Clamp Models	H	K
	202- U /202- UB / 202- USS /202- TU	[1.73] 44,1	[0.98] 25
	202- UL ⓘ	[2.29] 58,1	[1.51] 38,4
	202/202- B / 202- T /202- SS	[1.31] 33,3	---
	202- U-L ⓘ / 202- UB-L ⓘ	[1.50] 38,1	---

 This item is available upon request

Series 207 Product Overview

Features:

- Largest selection of arm and mounting options
- Low profile T-Handle version available
- Available in stainless steel

Applications:

- Checking fixtures
- Assembly & test
- Light machining
- Woodworking

Also Available:

See page 8.1 for accessories

807-U Pneumatic toggle clamp
(See page 10.8)

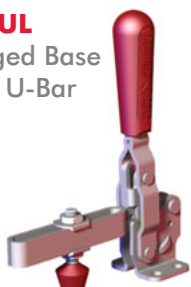
807-S Pneumatic toggle clamp
(See page 10.8)

Accepts M8 or 5/16 spindle accessories

207-U
Flanged Base
U-Bar



207-UL
Flanged Base
Long U-Bar



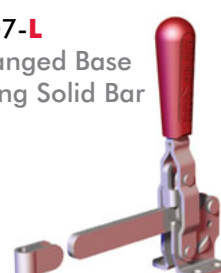
207-USS
Stainless
Flanged Base
U-Bar



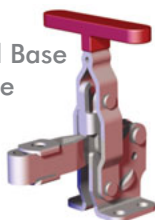
207-S
Flanged Base
Solid Bar



207-L
Flanged Base
Long Solid Bar



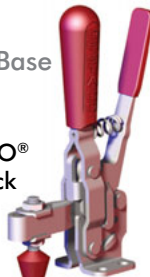
207-TU
Flanged Base
T-Handle
U-Bar



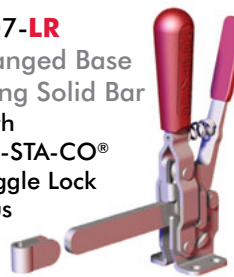
207-TUL
Flanged Base
T-Handle
Long U-Bar



207-UR
Flanged Base
U-Bar
with
DE-STA-CO®
Toggle Lock
Plus



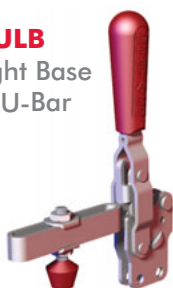
207-LR
Flanged Base
Long Solid Bar
with
DE-STA-CO®
Toggle Lock
Plus



207-UB
Straight Base
U-Bar



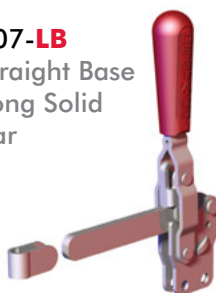
207-ULB
Straight Base
Long U-Bar



207-SB
Straight Base
Solid Bar



207-LB
Straight Base
Long Solid
Bar



207-LBR①
Straight Base
Long Solid
Bar with
DE-STA-CO®
Toggle Lock
Plus



207-UF①
U-Bar
Dual Mount



207-SF①
Solid Bar
Dual Mount



207-U-L①
Flange Base
Open Bar



207-UB-L①
Straight Base
Open Bar



Note:

Clamps shown with
included accessories

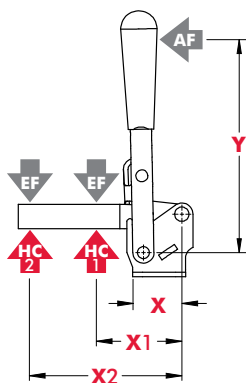
① This item is available upon request

Series 207 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)		
					Bolt Retainer	Spindle Assembly	Flanged Washers
207-U 207-UR 207-UL	1670 N [375 lbf]	99°	57°	0,30kg [0.67lb] 0,45kg [1.00lb] 0,30kg [.67lb]	---	225208-M	507107
207-USS	2000 N [450 lbf]			0,32kg [0.70lb]	---	---	507907
207-S 207-L 207-LR	2220 N [500 lbf]			0,31kg [0.69lb] 0,34kg [0.74lb] 0,45kg [1.00lb]	207105	---	---
207-UB 207-ULB	1670 N [375 lbf]			0,33kg [0.72lb]	---	225208-M	507107
207-SB 207-LB 207-LBR ⓘ	2220 N [500 lbf]			0,31kg [0.69lb] 0,34kg [0.75lb] 0,45kg [1.00lb]	207105	---	---
207-TU 207-TUL	1670 N [375 lbf]			0,33kg [0.72lb]	---	---	507107
207-UF ⓘ	1670 N [375 lbf]	96°	56°	0,43kg [0.94lb]	---	225208-M	507107
207-SF ⓘ	2220 N [500 lbf]	90°	57°	0,38kg [0.84lb]	207105	---	---
207-U-L ⓘ 207-UB-L ⓘ	1670 N [375 lbf]	99°		0,38kg [0.84lb]	---	---	---

ⓘ This item is available upon request

Series 207 Holding Capacities



Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
U/UB/UR		[2.00] 50,8	[3.75] 95,3		[375 lbf] 1670N	[225 lbf] 1000N	12:1	6:1
UL/ULB		[3.88] 98,5	[5.00] 127			[150 lbf] 670N	7:1	4:1
USS		[2.00] 50,8	[3.75] 95,3	[4.90] 124,5	[450 lbf] 2000N	[240 lbf] 1070N		5:1
S/SB		[2.88] 73,0			[500 lbf] 2220N	[350 lbf] 1560N	10:1	7:1
L/LR LB/LBR	[1.28] 32,6	[2.88] 73,0	[5.00] 127					5:1
TU		[2.00] 50,8	[3.75] 95,3	[3.66] 9	[375 lbf] 1670N	[225 lbf] 1000N	6:1	4:1
TUL		[3.88] 98,5	[5.00] 127			[150 lbf] 670N	4:1	3:1
U-L UB-L		[2.00] 50,8	[3.75] 95,3	[4.90] 124,5	[375 lbf] 1670N	[2225 lbf] 1000N	12:1	6:1

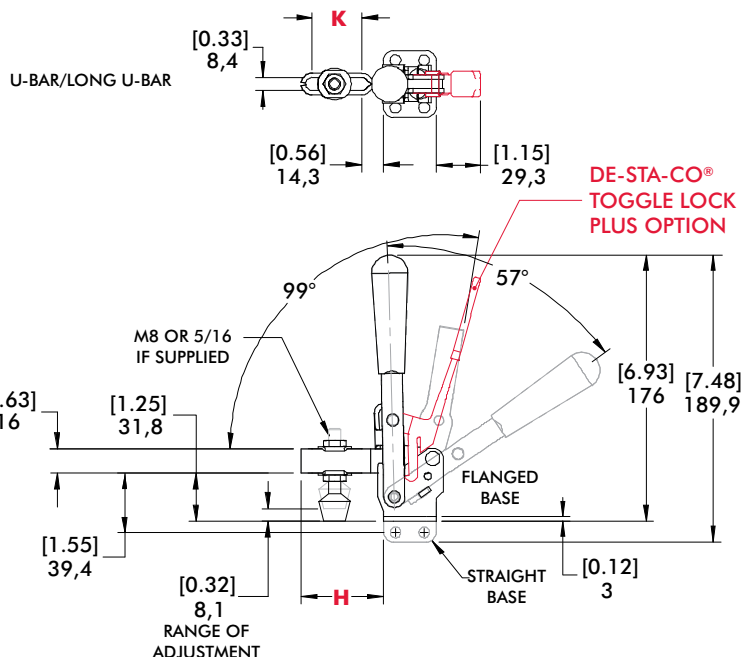
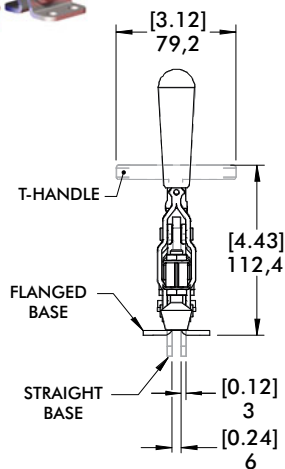
Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force

Series 207 Standard Clamp Dimensions

-U/-UL/-S/-L/-TU/-TUL/-UR/-LR/-UB/-ULB/-SB/-LB/-LBR

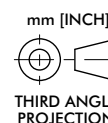
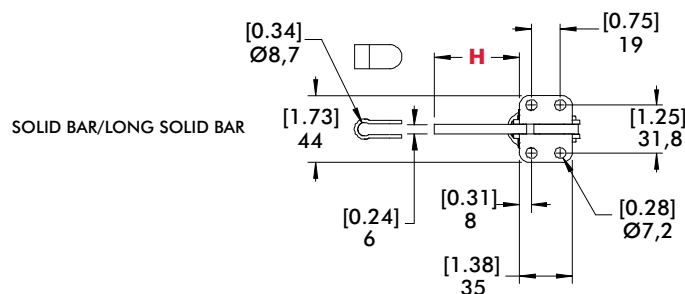
207-U[†]

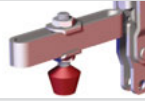
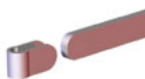
Flanged Base
U-Bar



207-SB

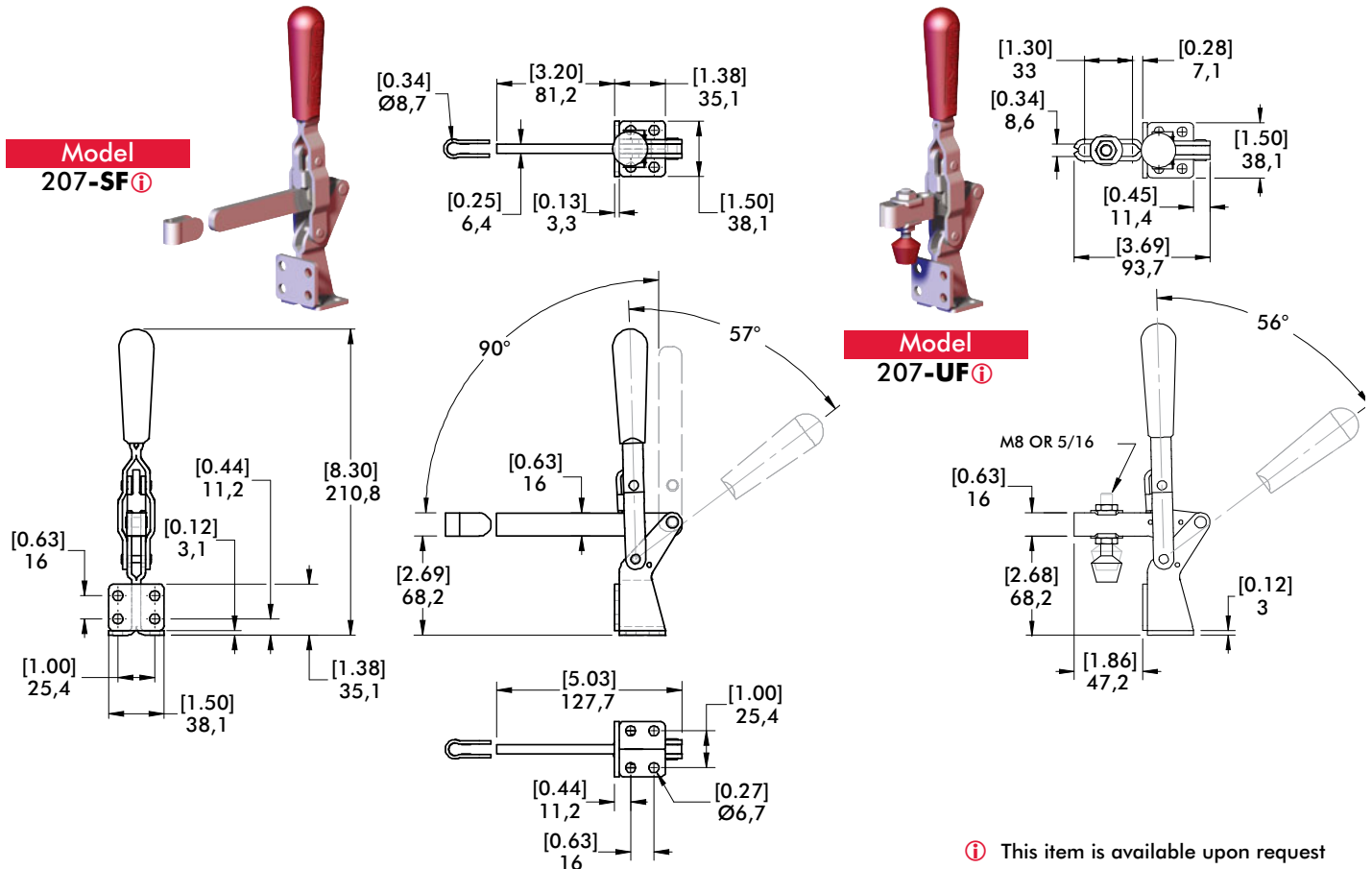
Straight Base
Solid Bar



Bar Style	Clamp Models	H	K
	207-U/207-UR/207-TU/207-UB	[2.14] 54,4	[1.30] 33
	207-UL/207-ULB/207-TUL	[3.84] 97,6	[2.94] 74,6
	207-S/207-SB	[2.21] 56,2	---
	207-L/207-LR/207-LB/207-LBR [†]	[3.48] 88,4	---

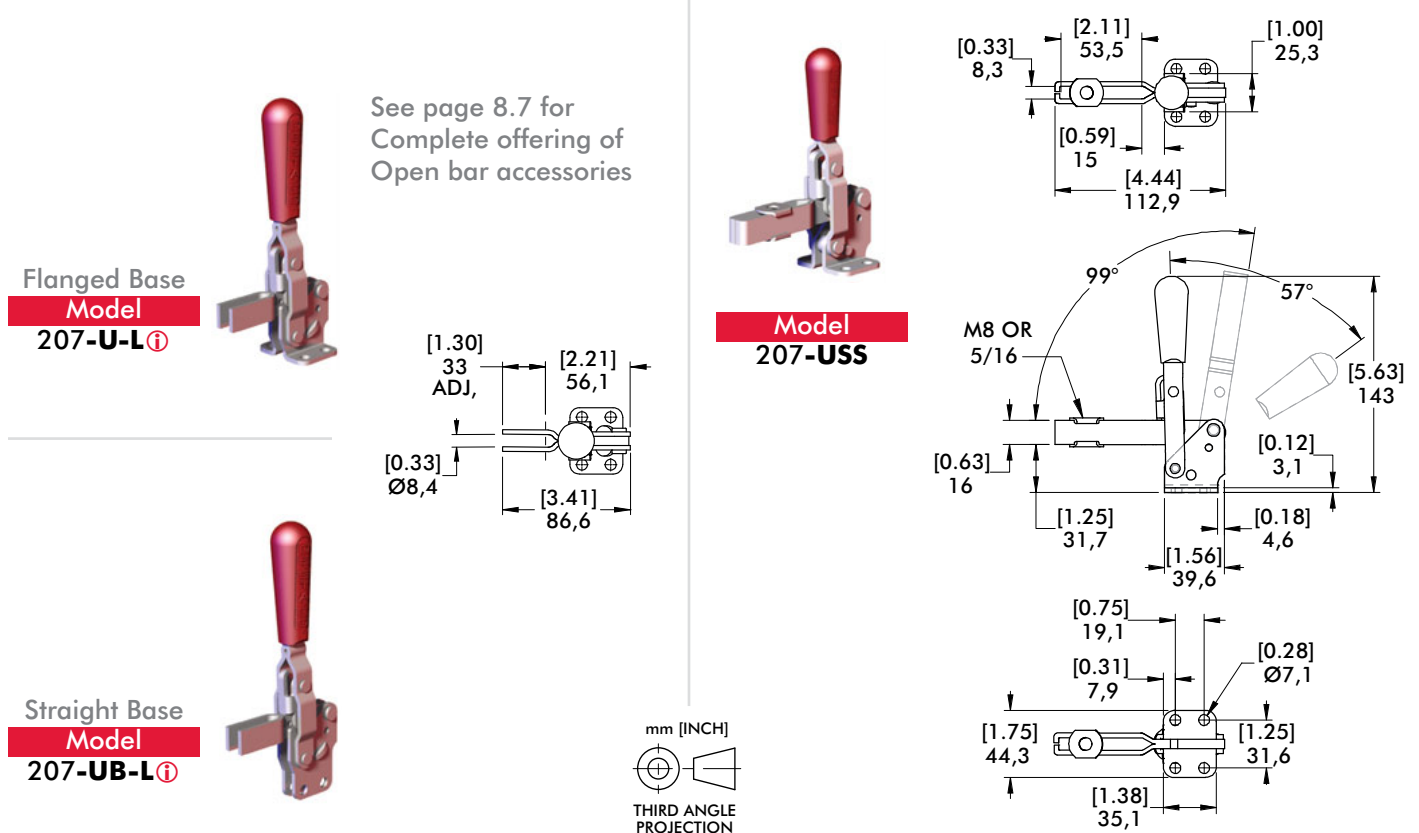
[†] This item is available upon request

Series 207 Standard Clamp Dimensions - Dual Mount



Series 207 Open Bar

207-USS Stainless Steel



Series 210 Product Overview

Features:

- DE-STA-CO® Toggle Lock Plus versions available
- Available in stainless steel
- Accommodates M10 or 3/8 spindle accessories

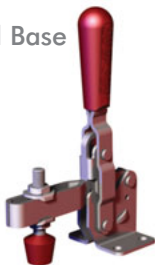
Applications:

- Assembly & test
- Light machining
- Light welding

Also Available:

See page 8.1 for accessories
810-U Pneumatic Toggle Clamp
(See page 10.9)
810-S Pneumatic Toggle Clamp
(See page 10.9)

210-U
Flanged Base
U-Bar



210-USS
Flanged Base
U-bar, Stainless
Steel



210-S
Flanged Base
Solid Bar



210-UB
Straight Base
U-bar



210-SB
Straight Base,
Solid Bar



210-UR
Flanged Base
U Bar
with
DE-STA-CO®
Toggle Lock
Plus



210-SR
Flanged Base
Solid Bar
with
DE-STA-CO®
Toggle Lock
Plus



210-UBR^①
Straight Base
U Bar
with
DE-STA-CO®
Toggle Lock
Plus



210-TU
Flanged Base
U Bar,
T-Handle



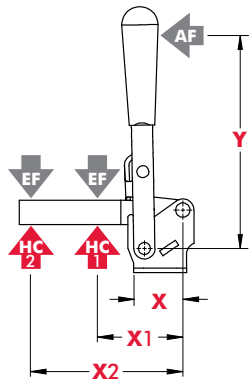
Note:
Clamps shown with included accessories.

Series 210 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)		
					Bolt Retainer	Spindle Assembly	Flanged Washers
210-U	2670 N [600 lbf]	103°	58°	0,59kg [1.29lbs]	---	240208-M	235106
210-USS	3340 N [750 lbf]				---	237943	235906
210-S					210114	---	---
210-UB	2670 N [600 lbf]				---	240208-M	235106
210-SB	3340 N [750 lbf]			0,73kg [1.60lbs]	210114	---	---
210-UR	2670 N [600 lbf]				---	240208-M	235106
210-SR	3340 N [750 lbf]				210114	---	---
210-UBR^①	2670 N [600 lbf]				---	240208-M	235106
210-TU				0,62kg [1.36lbs]	---	---	

^① This item is available upon request

Series 210 Holding Capacities



Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	EF(X2):AF
U/UB/ UR/UBR ^①		[2.38] 60,5	[4.88] 124	[6.75] 171,5	[600lbf.] 2670N	[290lbf.] 1290N	14:1	7:1
USS	[1.54] 39				[750lbf.] 3340N	[360lbf.] 1600N		
S/SR/SB		[3.62] 92,0	[5.25] 133	[4.50] 114,5	[750lbf.] 3340N	[500lbf.] 2220N	11:1	9:1
TU		[2.38] 60,5	[4.88] 124		[600lbf.] 2670N	[290lbf.] 1290N		5:1

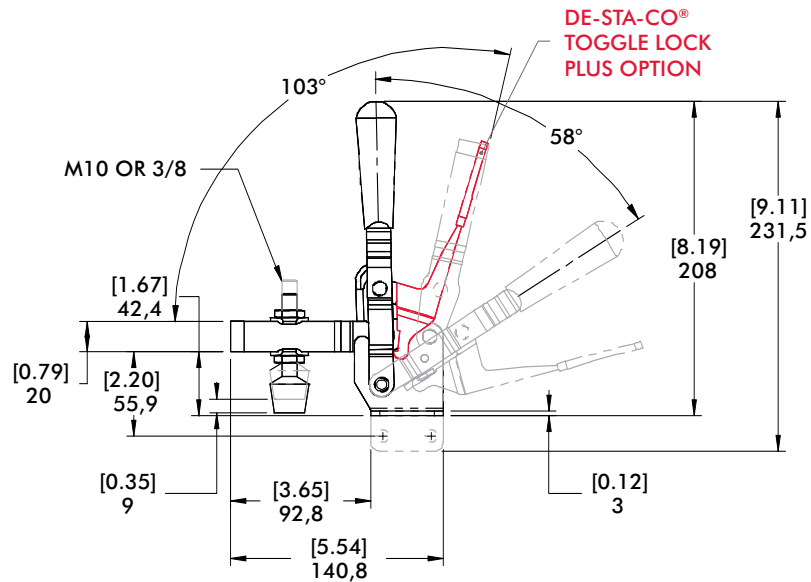
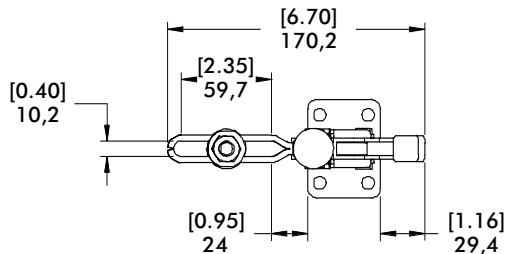
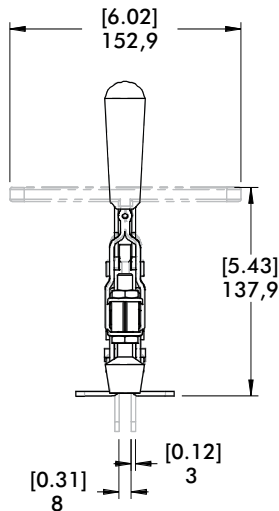
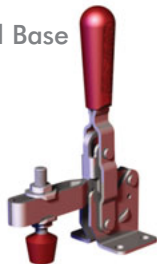
Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force

Refer to page 20.4 for additional information. ^① This item is available upon request

Series 210 Standard Clamp Dimensions -U/-USS/-S/-UB/-SB/-UR/-SR/-UBR/-TU

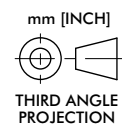
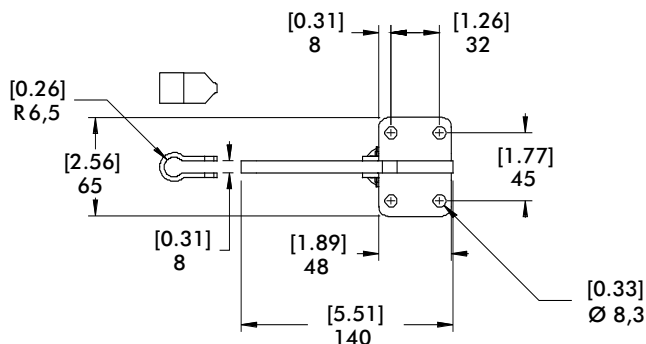
210-U[†]

Flanged Base
U-Bar



210-SR

Flanged Base
Solid Bar
with
DE-STA-CO[®]
Toggle Lock
Plus



Series 247, 267 Product Overview

Features:

- Hardened steel bushings
- Large bar guides for greater lateral stability on Model 247
- Series 247 accommodates M12 or 1/2 spindle accessory
- Series 267 accommodates M16 or 5/8 spindle accessory

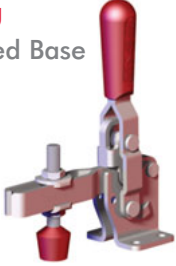
Applications:

- Assembly & test
- Light machining
- Welding

Also Available:

See page 8.1 for accessories
847-U Pneumatic Toggle Clamp
(See page 10.15)
847-S Pneumatic Toggle Clamp
(See page 10.15)

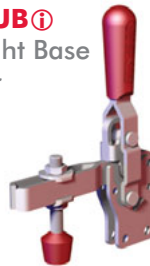
247-U
Flanged Base
U-Bar



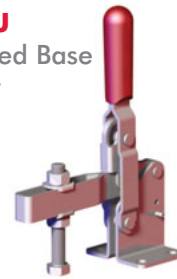
247-S
Flanged Base
Solid Bar



247-UB ⓘ
Straight Base
U-Bar



267-U
Flanged Base
U-Bar



267-S ⓘ
Flanged Base
Solid Bar



Note:

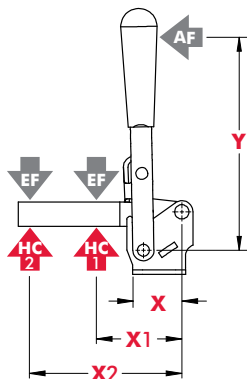
Clamps shown with included accessories.

Series 247, 267 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)		
					Bolt Retainer	Spindle Assembly	Flanged Washers
247-U	4400 N [1000 lbf]	120°	67°	1,07kg [2.36lbs]	---	247208-M	247109
247-S				1,08kg [2.36lbs]	210114	---	---
247-UB ⓘ				1,07kg [2.36lbs]	---	247208-M	247109
267-U	5340 N [1200 lbf]	140°	72°	2,18kg [4.80lbs]	---	247203-M	267102
267-S ⓘ				1,98kg [4.36lbs]	110122	---	---

ⓘ This item is available upon request

Series 247 Holding Capacities

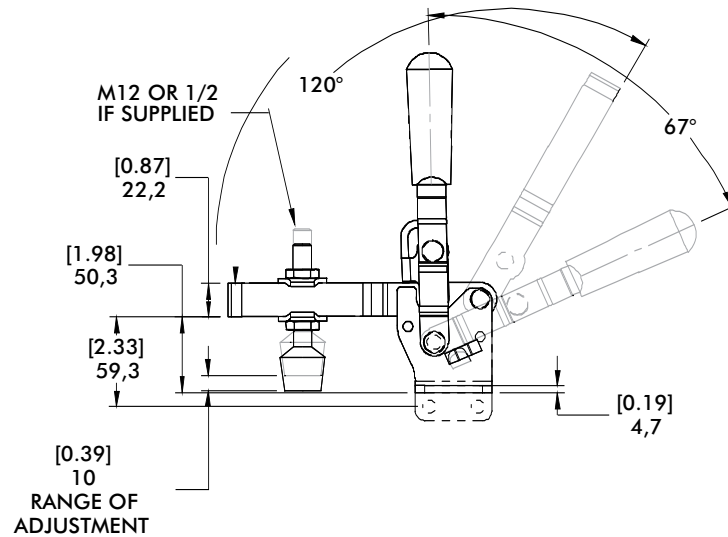
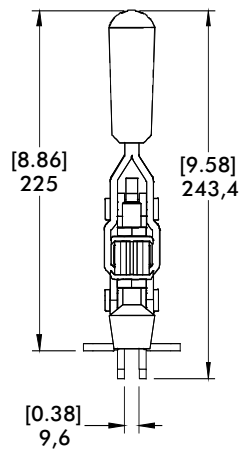
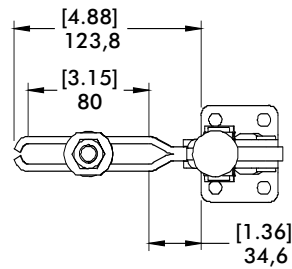
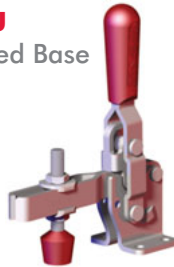


Model	X	X1	X2	Y	‡HC1	‡HC2	‡EF(X1):AF	‡EF(X2):AF
247-U/ 247-UB ⓘ	[1.69] 43	[3.00] 76,2	[6.13] 155,7	[6.71] 170,5	[1000lbf.] 4450N	[480lbf.] 2140N	12:1	6:1
247-S		[4.56] 115,8	[7.00] 177,8			[650lbf.] 2900N	10:1	5:1
267-U	[2.50] 63,5	[4.00] 101,6	[8.00] 203,2	[9.25] 235	[1200lbf.] 5340N	[600lbf.] 2670N	18:1	8:1
267-S ⓘ		[6.00] 152,4	[8.75] 222,3			[820lbf.] 3650N	12:1	

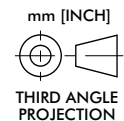
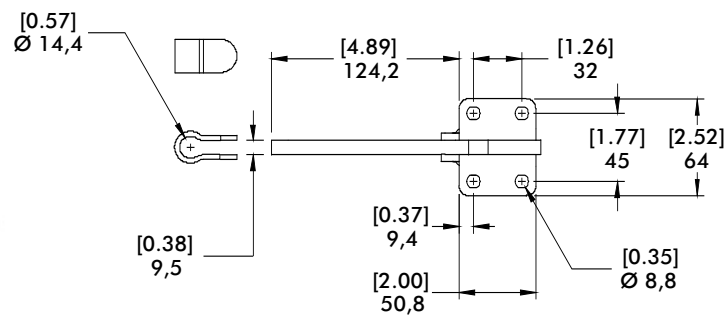
Dimensions shown "mm [inch]" ‡ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Refer to page 20.4 for additional information. ⓘ This item is available upon request

Series **247** Standard Clamp Dimensions
-U/-S/-UB

247-U
Flanged Base
U-Bar



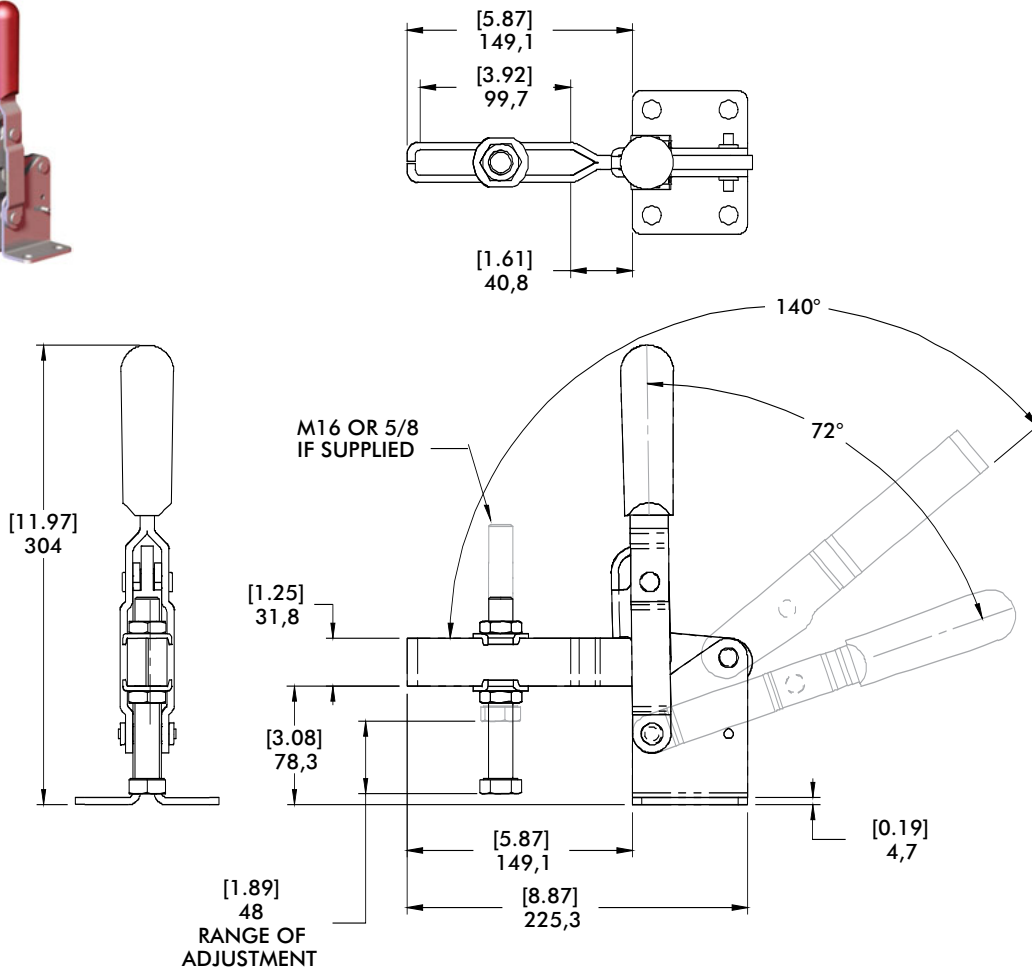
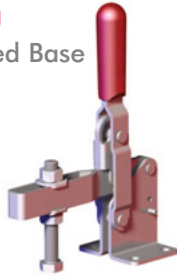
247-S
Flanged Base
Solid Bar



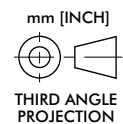
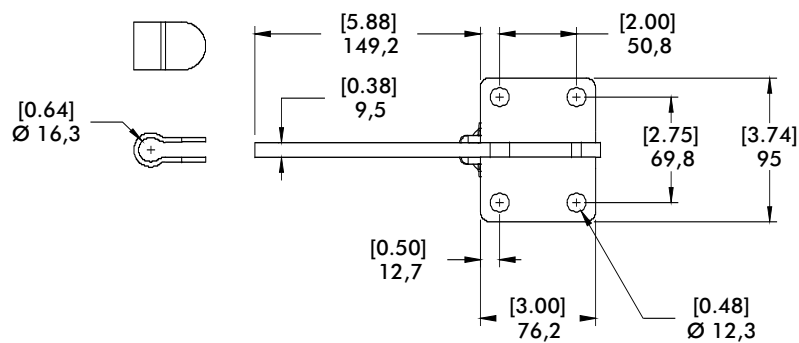
Series 267 Standard Clamp Dimensions

-U/-S

267-U
Flanged Base
U-Bar



267-S
Flanged Base
Solid Bar



Series 317 Product Overview

Features:

- Dual mounting surfaces
- Large bar opening angle
- Accommodates M8 or 5/16" spindle accessories

Applications:

- Assembly & test
- Checking fixtures
- Light machining
- Woodworking

Also Available:

See page 8.1 for accessories
817-U Pneumatic Toggle Clamp
(See page 10.22)
817-S Pneumatic Toggle Clamp
(See page 10.22)

317-U
U-Bar



317-S
Solid Bar



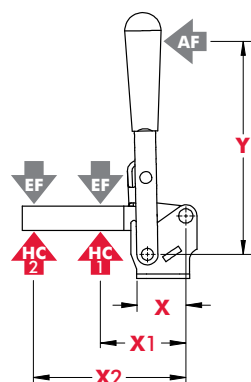
Note:

Clamps shown with included accessories.

Series 317 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)		
					Bolt Retainer	Spindle Assembly	Flanged Washers
317-U	1670 N [375 lbf]	185°	60°	0,34kg [0.75lbs]	---	507208-M	507107
317-S	1780 N [400 lbf]				207105	---	---

Series 317 Holding Capacities



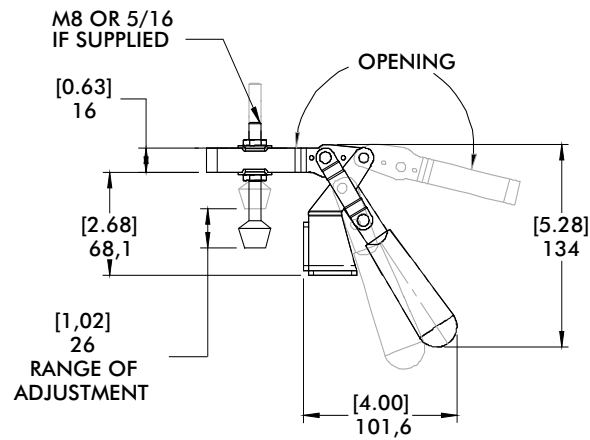
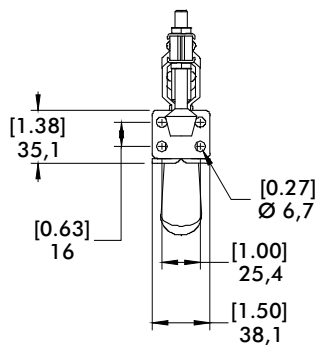
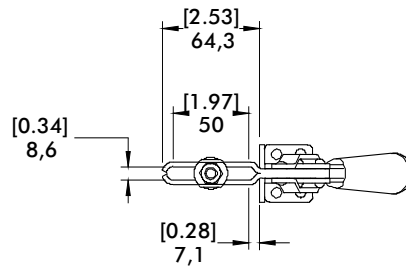
Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
317-U	[1.57] 40,0	[2.00] 50,8	[3.75] 95,3	[4.00]	[375 lbf] 1670 N	[200lbf.] 900N	17:1	8:1
317-S		[2.50] 63,5	[5.00] 127,0	101,6	[400 lbf] 1780 N	[190lbf.] 850N	13:1	5:1

Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Refer to page 20.4 for additional information.

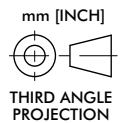
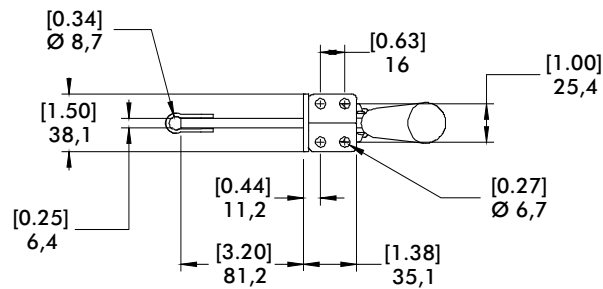
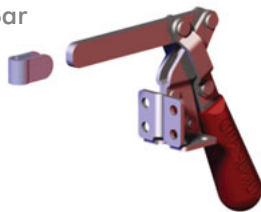
Series 317 Standard Clamp Dimensions

-U/-S

317-U
U-Bar



317-S
Solid Bar



Series 91090 Product Overview

Features:

- Front flange mount
- Accepts M8 or 5/16" spindle accessory (not supplied)

Applications:

- Assembly & test
- Checking fixtures
- Light machining
- Woodworking

Also Available:

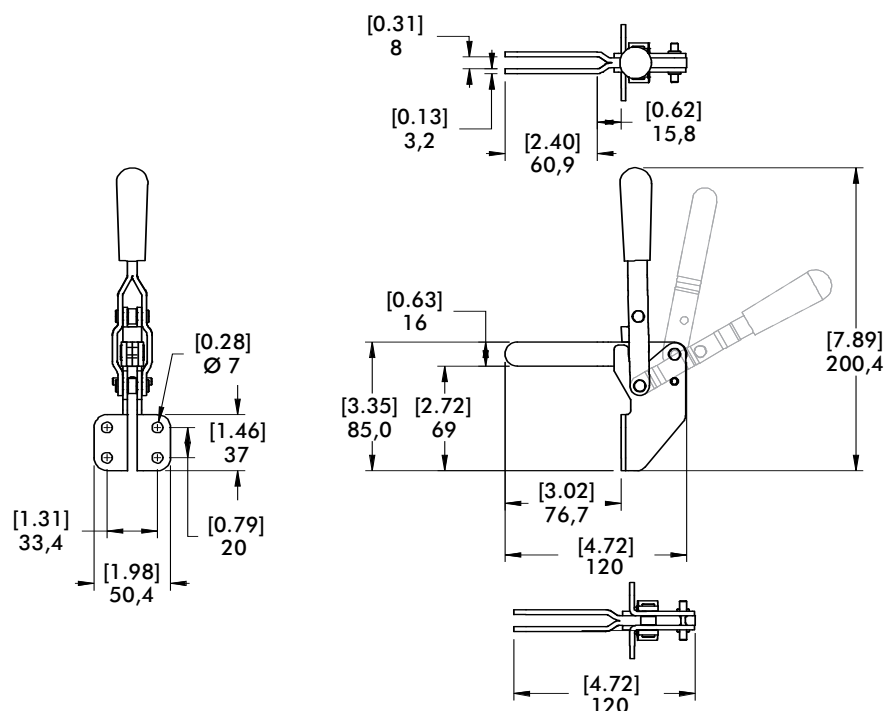
See page 8.1 for accessories

91090
Front Flanged Base
Open Bar



Series 91090 Technical Information, Standard Clamp Dimensions

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Recommended Accessories		
					Bolt Retainer	Spindle Assembly	Flanged Washers
91090	1710 N [385 lbf]	100°	60°	0,37kg [0.81lbs]	---	507208-M	507107



Series 5105, 5110 Product Overview

Features:

- High strength forged clamping arm for heavy-duty service
- Hardened steel pivot pins and bushings provide long life
- Black oxide finish
- Large clearance under the clamping bar
- DE-STA-CO® Toggle Lock Plus versions available

Applications:

- Welding fixtures
- Assembly fixtures



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

5105/5110
Flanged Base



5105-B/5110-B
Solid Base



5105-R/5110-R
Flanged Base
with
DE-STA-CO®
Toggle Lock
Plus



5105-BR^①/5110-BR^①
Solid Base
with
DE-STA-CO®
Toggle Lock
Plus

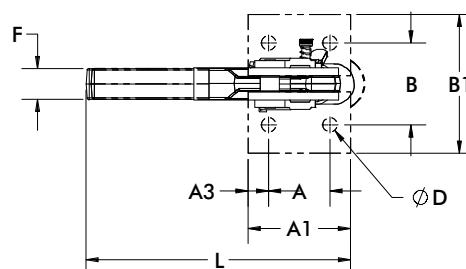
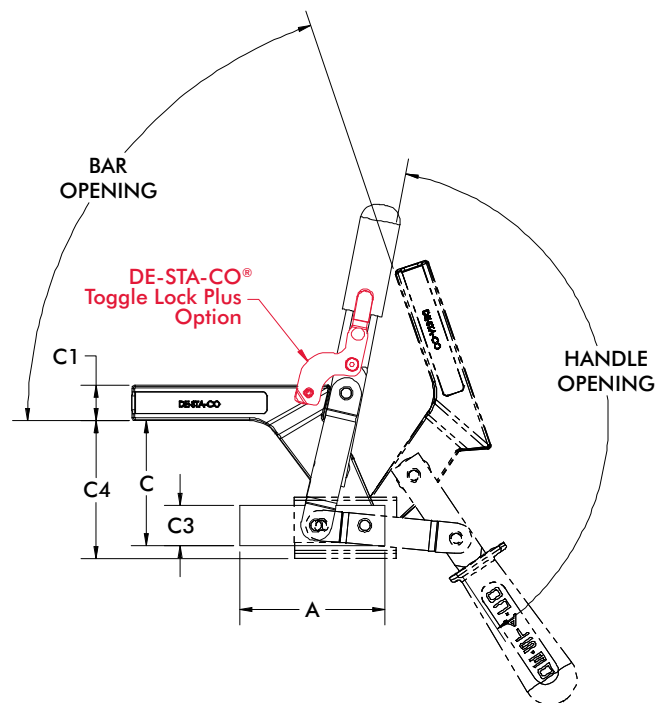
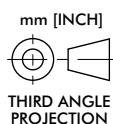
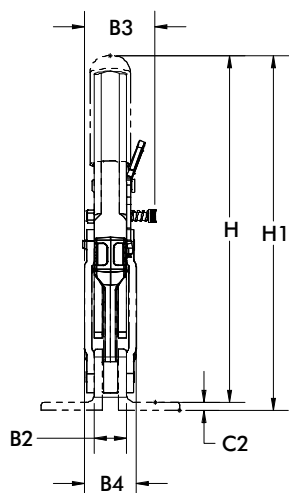
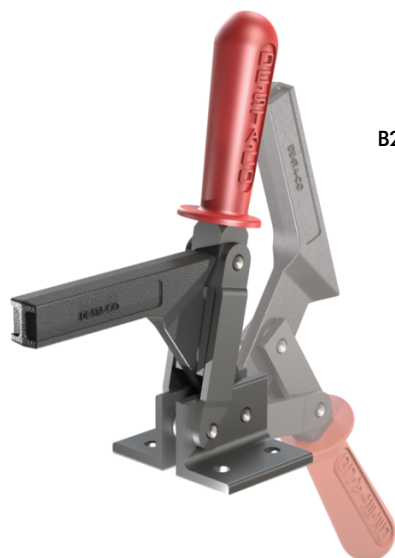


Series 5105, 5110 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight
5105	[700lbf.] 3100N	89°	159°	[1.12lbs] 0,51kg
5105-B				[1.06lbs] 0,48kg
5105-R				[1.10lbs] 0,50kg
5105-BR ^①				[1.17lbs] 0,53kg
5110	[1150lbf.] 5100N	74°	138°	[2.98lbs] 1,35kg
5110-B				[2.95lbs] 1,34kg
5110-R				[3.00lbs] 1,36kg
5110-BR ^①				[3.02lbs] 1,37kg

^① This item is available upon request

Series 5105, 5110 Standard Clamp Dimensions



Model	A	A1	A2	B	B1	B2	B3	B4	C1	C2	C4	D	F	H1	L
5105	[1.00]	[1.62]	[0.31]	[1.46]	[2.24]	[0.59]	--	[0.98]	[0.51]	[0.16]	[2.54]	[0.26]	[0.56]	[6.54]	[4.13]
5105-R	25,4	41,2	7,9	37	57	15	[1.48] 37,5	25	13,0	4,0	64,6	6,6	14,3	166,1	104,9
5110	[1.50]	[2.50]	[0.50]	[2.00]	[2.76]	[0.79]	--	[1.26]	[0.87]	[0.20]	[3.37]	[0.35]	[0.75]	[8.70]	[6.33]
5110-R	38,1	63,5	12,7	50,8	70	20	[1.67] 42,5	32	22,0	5,0	85,6	9,0	19,1	221,1	160,9

Model	A3	B2	B3	B4	C	C1	C3	F	H
5105-B	[2.50]	[0.59]	--	[0.98]	[2.14]	[0.51]	[0.59]	[0.56]	[6.14]
5105-BR ^①	63,5	15	[1.48] 37,5	25	54,3	13,0	15,0	14,3	156,0
5110-B	[3.54]	[0.79]	--	[1.26]	[3.05]	[0.87]	[0.98]	[0.75]	[8.39]
5110-BR ^①	90	20	[1.67] 42,5	32	77,5	22,0	25,0	19,1	213,0

^① This item is available upon request

Series 516 Product Overview

Features:

- Hardened steel pins and bushings strength and long life
- Replaceable pivot pins
- Large, solid clamping arm is easily modified to suit application requirements
- Similar in size to Model 207

Applications:

- Light machining
- Welding
- Molding
- Medium to heavy duty clamping applications

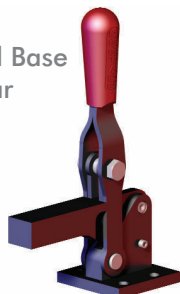
Also Available:

See page 8.1 for accessories
846 Pneumatic Toggle Clamp
(See page 10.11)

516
Weldable Base
Solid Bar



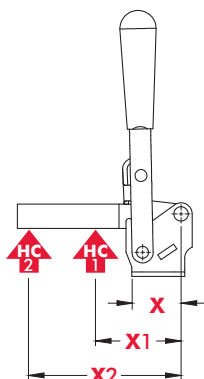
516-B
Flanged Base
Solid Bar



Series 516 Technical Information

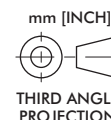
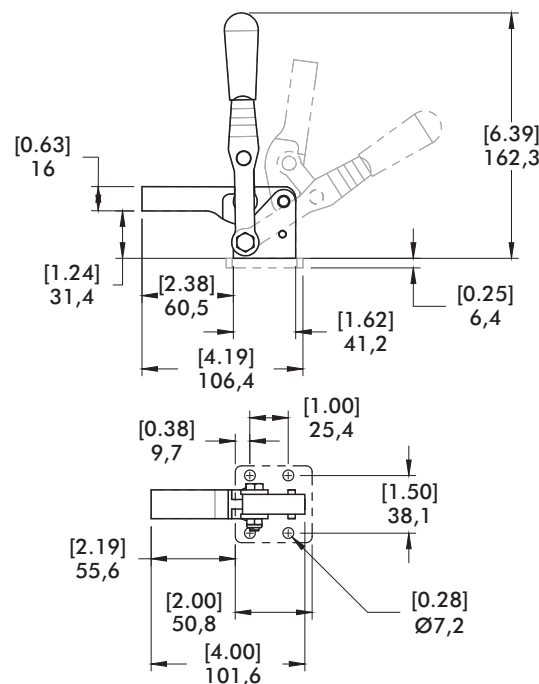
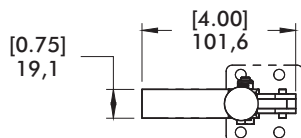
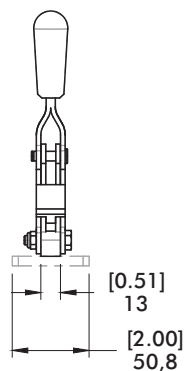
Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight
516	3440 N [750 lbf]	122°	66°	0,57kg [1.25lbs]
516-B				0,77kg [1.69lbs]

Series 516 Holding Capacities, Standard Clamp Dimensions



Model	X	X1	X2	±HC1	±HC2
516/516-B	[1.31] 33	[2.00] 50,8	[3.35] 85	[750lbf.] 3440N	[340lbf.] 1510N

Dimensions shown "mm [inch]" ± HC = Holding Capacity
Refer to page 20.5 for additional information.



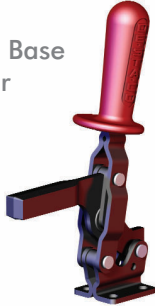
Features:

- Forged clamping arm
- Large clearance under the bar
- Ergonomic safety handle

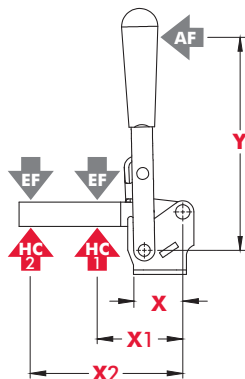
Applications:

- Assembly & test
- Light machining
- Welding

518
Flanged Base
Solid Bar

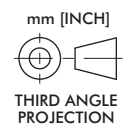
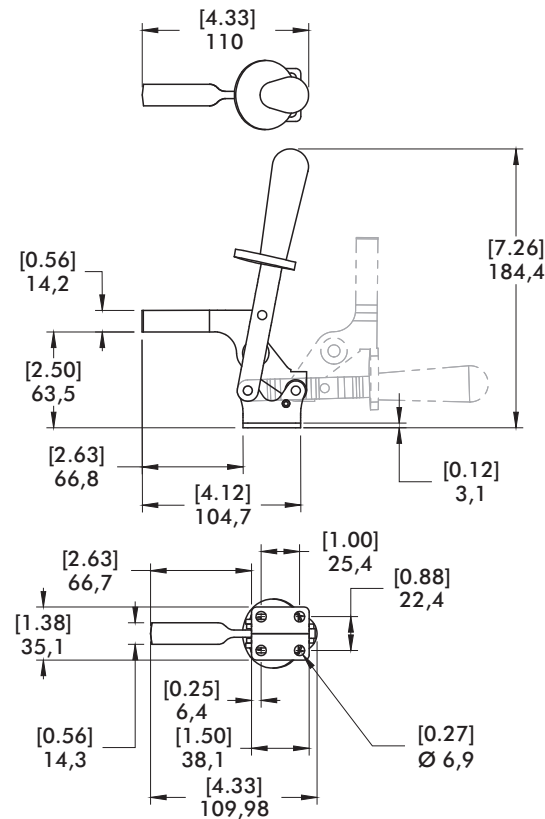
**Series 518 Technical Information**

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight
518	2220 N [500 lbf]	90°	75°	0,37kg [0.82lbs]

Series 518 Holding Capacities, Standard Clamp Dimensions

Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
518	[1.38] 35	[2.50] 63,5	[4.00] 101,5	[5.50] 140	[500lbf.] 2220N	[310lbf.] 1380N	14:1	11:1

Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Refer to page 20.5 for additional information.



Series 527 Product Overview

Features:

- Hardened steel bushings at pivot points
- Solid bar can be modified to suit application requirements
- Thumb lever on link for easy opening

Applications:

- Assembly & test
- Light machining
- Woodworking

527
Flanged Base



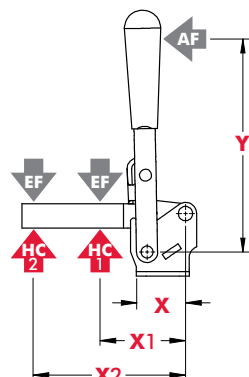
527-F
Front Mount



Series 527 Technical Information

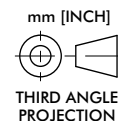
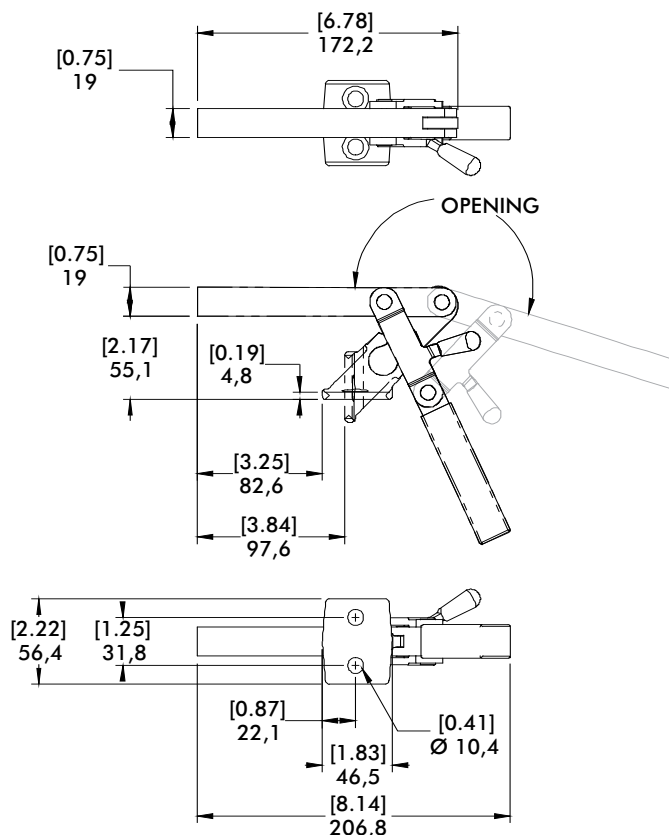
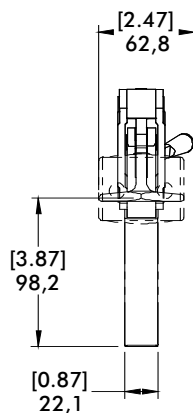
Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight
527	4450 N [1000 lbf]	195°	65°	[2.50lbs] 1,13kg
527-F				

Series 527 Holding Capacities, Standard Clamp Dimensions



Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
527	[3.12] 79,2	[3.50] 89,0	[6.00] 152,4	[4.00] 101,6	[1000lbf.] 4450N	[580lbf.] 2580N	23:1	12:1
527-F	[2.53] 64,3							

Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Refer to page 20.4 for additional information.



Heavy Duty Cam Action Series Product Overview

Features:

- Cam action accommodates variable workpiece thickness
- Heavy duty construction
- Solid clamp arms may be modified to suit application requirements

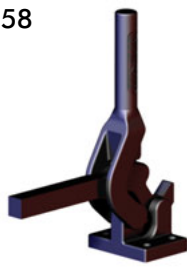
Applications:

- Light machining
- Welding
- Assembly

7-101



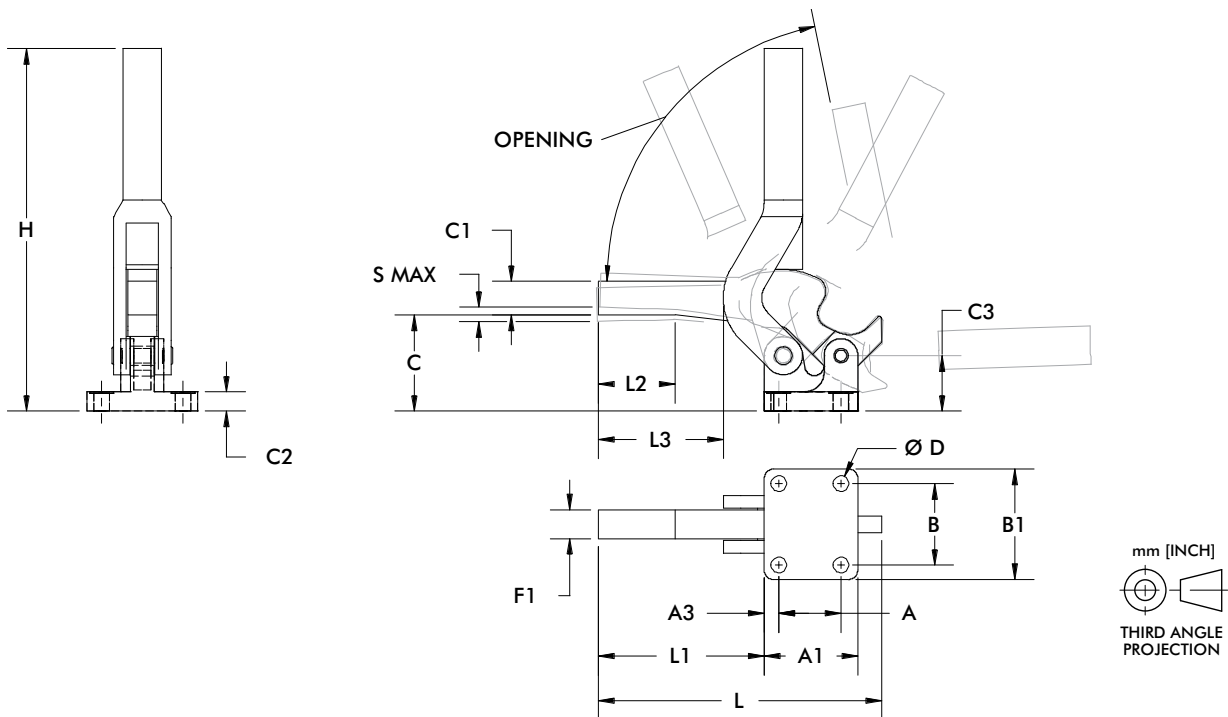
7-58



Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Weight
7-101	2110 N [475 lbf]	80°	0,45kg [1.0lbs]
7-58	2670 N [600 lbf]	95°	0,91kg [2.0lbs]
7-59	4450 N [1000 lbf]	95°	1,36kg [3.0lbs]
7-60	7120 N [1600 lbf]	80°	2,27kg [5.0lbs]

Heavy Duty Cam Action Series Standard Clamp Dimensions - Flanged Base



Model	A	A1	A3	B	B1	C	C1	C2	C3	D	F1	H	L	L1	L2	S max.
7-101	[0.75] 19,1	[1.25] 31,8	[0.25] 6,1	[1.25] 31,8	[1.75] 44,5	[1.44] 36,6	[0.50] 12,7	[0.31] 7,9	[1.00] 25,4	[0.22] 5,6	[0.50] 12,7	[5.00] 127	[4.63] 117,6	[3.12] 79,3	-	[0.13] 3,3
7-58	[1.00] 25,4	[1.69] 42,9	[0.34] 8,6	[1.62] 41,2	[2.25] 57,2	[1.87] 47,5	[0.56] 14,2	[0.38] 9,7	[1.12] 28,5	[0.28] 7,1	[0.50] 12,7	[7.00] 177,8	[6.99] 177,6	[2.55] 64,8	-	[0.13] 3,3
7-59	[1.38] 35,1	[2.06] 52,3	[0.39] 9,9	[1.88] 47,8	[2.50] 63,5	[2.19] 55,6	[0.63] 16	[0.44] 11,2	[1.25] 31,8	[0.34] 8,6	[0.63] 16	[8.50] 215,9	[6.00] 152,4	[3.50] 88,9	[1.24] 31,5	[0.19] 4,8
7-60	[1.62] 41,2	[2.44] 62	[0.44] 11,2	[2.12] 53,9	[2.88] 73,2	[2.50] 63,5	[0.88] 22,4	[0.50] 12,7	[1.44] 36,6	[0.41] 10,4	[0.75] 19,1	[9.50] 241,3	[7.40] 188	[4.38] 111,3	[1.97] 50	[0.25] 6,4

Series 528 Product Overview

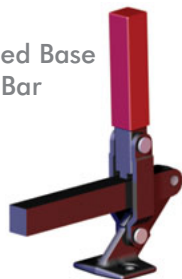
Features:

- Hardened steel bushings at pivot points for long life
- Solid bar may be modified to suit application requirements

Applications:

- Assembly & test
- Light machining
- Welding
- Medium to heavy duty clamping requirements

528
Flanged Base
Solid Bar



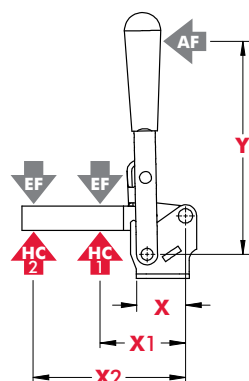
528-F
Front Mount
Base Solid Bar



Series 528 Technical Information

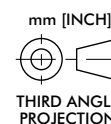
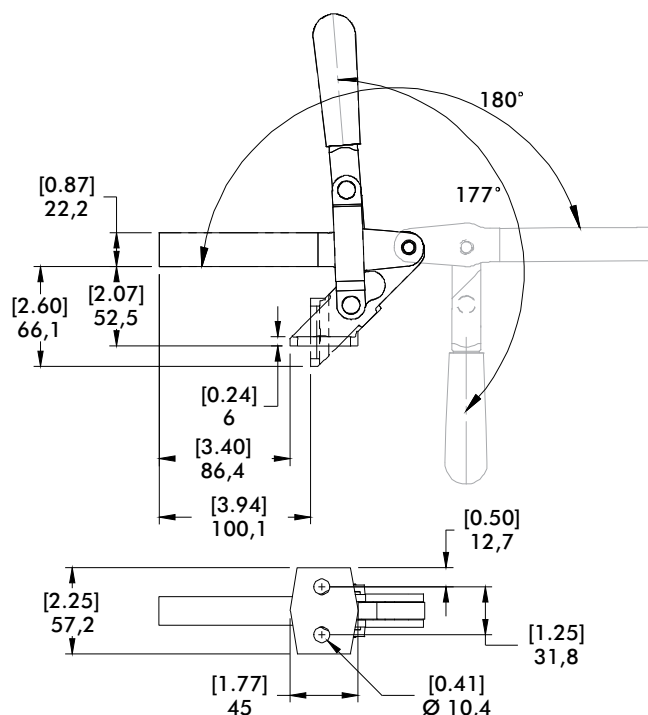
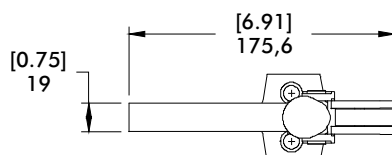
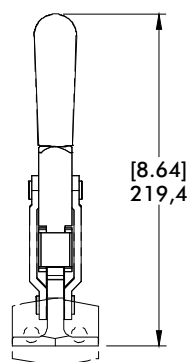
Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight
528	4450 N [1000 lbf]	180°	177°	[2.50lbs] 1,13kg
528-F				

Series 528 Holding Capacities, Standard Clamp Dimensions



Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
528	[1.38] 35	[3.50] 89	[6.00] 152	[5.50] 140	[1000lbf.] 4450N	[580lbf.] 2580N	23:1	12:1
528-F								

Dimensions shown "mm [inch]" $\pm$ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Refer to page 20.4 for additional information.



Series 533, 535 Product Overview

Features:

- Hardened steel bushings and pivot pins
- Large bar guides for greater lateral support
- Solid clamping bar may be modified to suit application requirements

Applications:

- Welding
- Heavy duty clamping applications

Also Available:

See page 8.1 for accessories

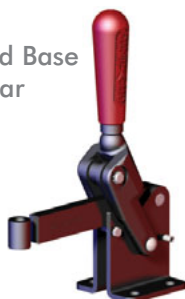
533-L
Flanged Base
Solid Bar



533-LB
Straight Base
Solid Bar



535-L
Flanged Base
Solid Bar



535-LB
Straight Base
Solid Bar



Series 533, 535 Technical Information

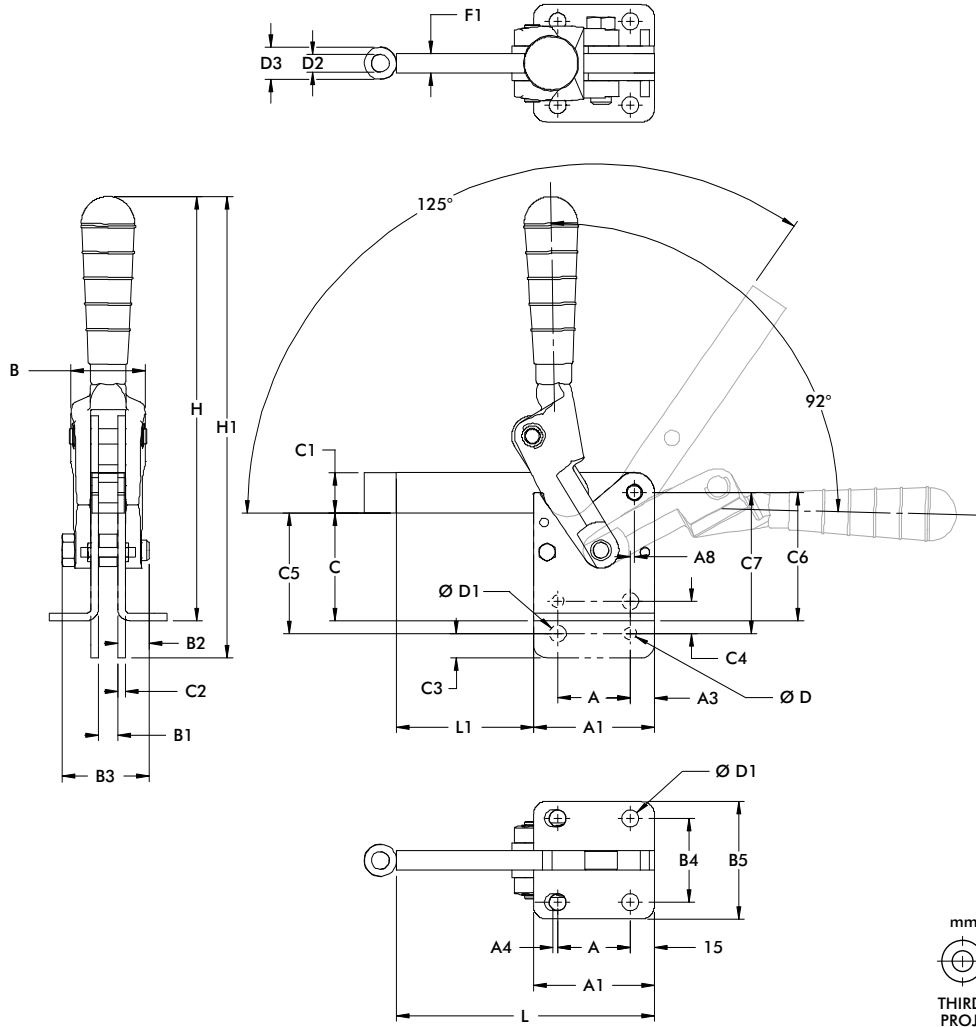
Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)
					Bolt Retainer
533-L	7000 N [1575 lbf]	120°	90°	1,00kg [2.20lbs]	533108-M
533-LB					
535-L	10000 N [2250 lbf]	120°	90°	1,85kg [4.087lbs]	535108-M
535-LB					

Series 533, 535 Standard Clamp Dimensions -L/-LB

533-L
Flanged Base
Solid Bar



535-L
Flanged Base
Solid Bar



mm [INCH]
THIRD ANGLE
PROJECTION

Model	A	A1	A3	A4	A8	B	B1	B2	B3	B4	B5	C	C1	C2
533-L	[1.18] 30	[2.36] 59,9		[0.08] 2	[0.20] 5.1	[1.52] 38,6	[0.39] 9,9	[0.69] 15,5	[1.75] 44,5	[1.77] 45	[2.44] 62	[1.86] 47,2	[0.79] 20,1	
533-LB			[0.59] 15							--	--	--		[0.19] 4,8
535-L	[1.77] 45	[2.95] 74,9		--	[0.18] 4,6	[1.89] 48	[0.47] 11,9	[0.89] 22,6	[2.13] 54,1	[2.05] 52,1	[2.87] 72,9	[2.63] 66,8	[0.98] 24,9	
535-LB										--	--	--		

Model	C3	C4	C5	C6	C7	D	D1	D2	D3	F1	H	H1	L	L1
533-L	--	--	--	[2.24] 56,9	--	--	[0.33] 8,4	[0.35] 8,9	[0.59] 15	[0.39] 9,9	[8.6] 218,4	--	[4.92] 125	[2.56] 65
533-LB	[0.39] 9,9	[0.59] 15	[1.86] 55,1	--	[2.56] 65	[0.22] 5.6					--	[9.31] 236,5		
535-L	--	--	--	[3.13] 79,5	--	--	[0.41] 10,4	[0.43] 10,9	[0.79] 20,1	[0.47] 11,9	[10.35] 262,9	--	[6.30] 160	[3.35] 85,1
535-LB	[0.59] 15	[0.79] 20,1	[2.95] 74,9	--	[3.44] 87,4	[0.30] 7,6					--	[11.26] 286		

Series 548, 578 Product Overview

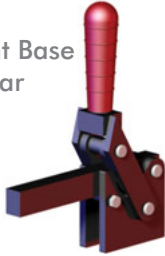
Features:

- Large bar guides for lateral stability
- Hardened steel pins and bushings for long life
- Replaceable pins

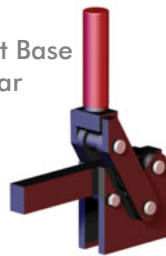
Applications:

- Assembly & test
- Light machining
- Welding
- Heavy duty clamping requirements

548
Straight Base
Solid Bar



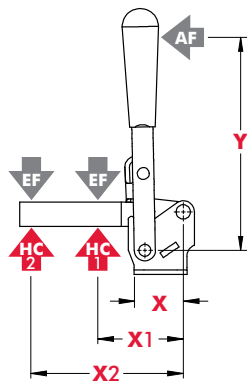
578
Straight Base
Solid Bar



Series 548, 578 Technical Information

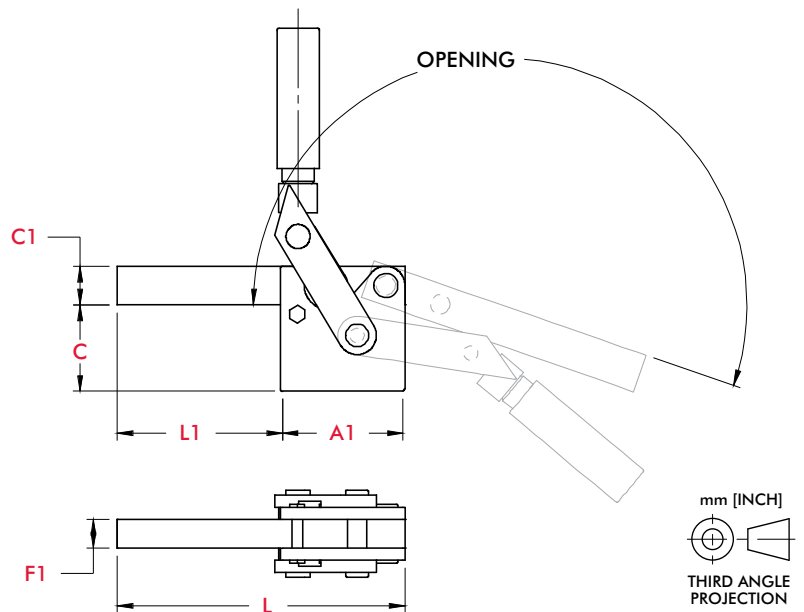
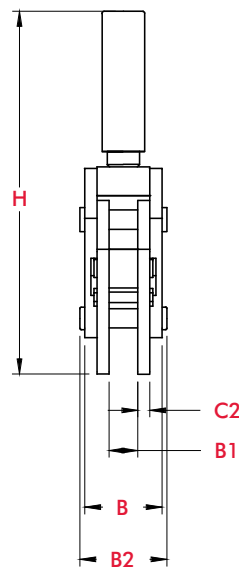
Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight
548	11100N [2500lbf]	199°	129°	2,40kg [5.30lbs]
578	17800N [4000lbf]			4,14kg [9.12lbs]

Series 548, 578 Holding Capacities, Standard Clamp Dimensions



Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
548	[2.75] 70	[3.50] 89	[6.00] 152	[7.50] 190	[2500lbf] 11100N	[1500lbf] 6680N	4.5:1	3.4:1
578	[4.25] 108	[4.50] 114	[7.00] 178	[10.31] 262	[4000lbf] 17800N	[2500lbf] 11100N	7.6:1	4.2:1

Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Refer to page 20.4 for additional information.



Model	A1	B	B1	B2	C	C1	C2	F1	H	L	L1
548	[3.25] 82,6	[2.01] 51	[0.75] 19,1	[2.26] 57,5	[2.24] 56,9	[1.00] 25,4	[0.31] 7,9	[0.75] 19,1	[9.45] 240	[7.50] 190,5	[4.25] 107,9
578	[4.02] 102,1	[2.38] 60,5	[0.87] 22,1	[2.70] 68,6	[2.79] 70,9	[1.26] 32	[0.37] 9,5	[0.87] 22,1	[11.04] 280,3	[8.62] 219	[4.61] 117,1

Series 558 Product Overview

Features:

- Forged alloy steel handle and links for rugged service
- Hardened steel pins and bushings
- Hold down bar can be machined to suit application requirements

Applications:

- Welding
- Heavy duty clamping requirements

Also Available:

Model 858 Pneumatic Toggle clamp
See page 10.18

558



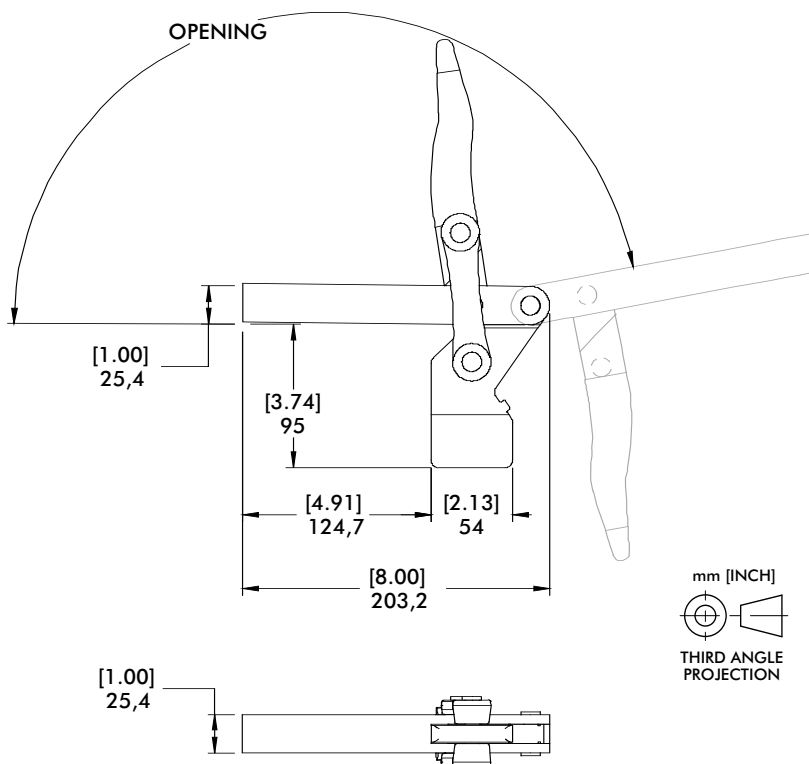
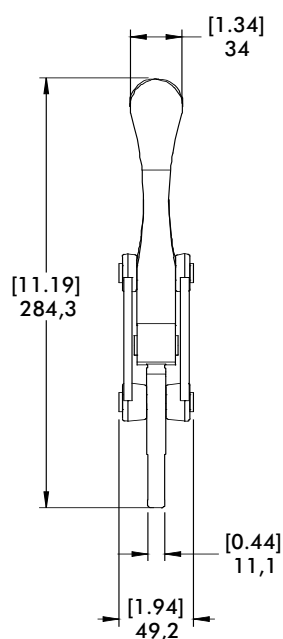
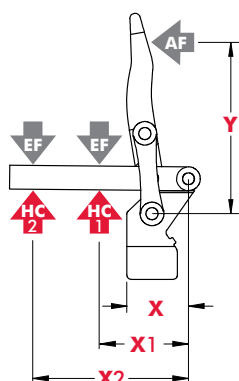
Series 558 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight
558	11100 N [2500 lbf]	192°	64°	2,27kg [5.0lbs]

Series 558 Holding Capacities, Standard Clamp Dimensions

Model	X	X1	±HC1	±HC2
558	65,8 [2.59]	76,2 [3.00]	[2500 lbf] 11100 N	[1500 lbf] 6680 N

Dimensions shown "mm [inch]", ± HC = Holding Capacity



Series 5905, 5910, 5915 Product Overview

Features:

- High strength forged clamping arm for heavy-duty service
- Hardened steel pivot pins and bushings provide long life
- Black oxide finish
- Large clearance under the clamping bar

Applications:

- Welding fixtures
- Assembly fixtures



5905/5910/5915
Flanged Base



5905-B/5910-B
Solid Base



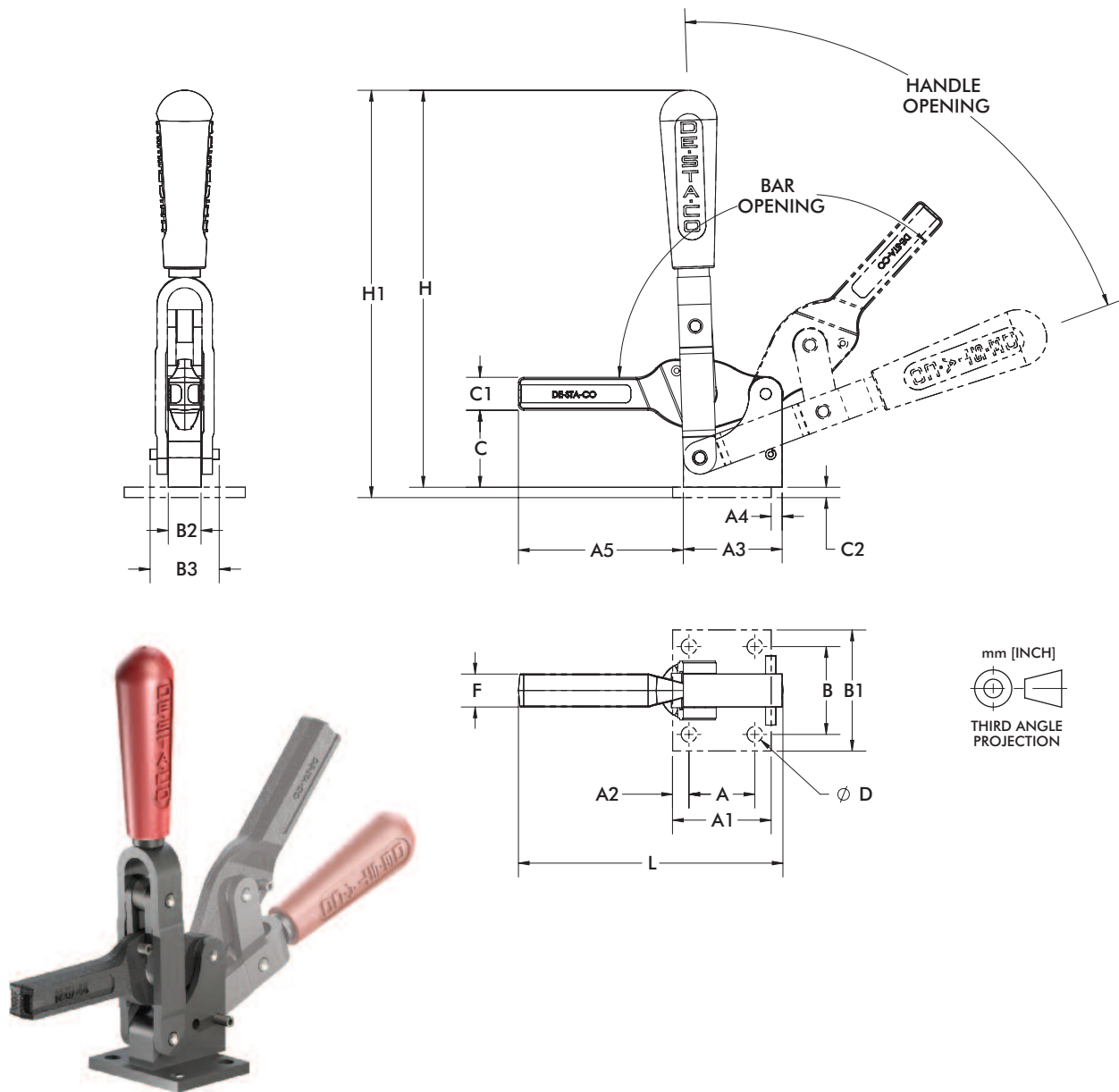
Series 5905, 5910, 5915 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight
5905	[750lbf.] 3340N	135°	70°	[1.08lbs] 0,49kg
5905-B				[0.82lbs] 0,37kg
5905-R				[1.09lbs] 0,49kg
5905-BR				[0.83lbs] 0,37kg
5910	[1600lbf.] 7120N	132°	71°	[2.84lbs] 1,29kg
5910-B				[2.24lbs] 1,02kg
5910-R				[2.87lbs] 1,30kg
5910-BR				[2.27lbs] 1,03kg
5915	[2750lbf.] 12230N	147°	74°	[6.44lbs] 2,92kg



Removable handle stop can be repositioned to limit opening angle to 90°

Series 5905, 5910, 5915 Standard Clamp Dimensions



Model	A	A1	A2	A3	A4	A5	B	B1	B2	B3	C	C1	C2	D	F	H	H1	L
5905	[1.00] 25,4	[1.50] 38,1	[0.25] 6,4	[1.51] 38,4	[0.25] 6,4	[2.49] 63,2	[1.50] 38,1	[2.13] 54,1	[0.59] 15,0	[1.02] 25,9	[1.27] 32,3	[0.51] 12,9	[0.24] 6,1	[0.29] 7,3	[0.56] 14,2	[6.51] 165,4	[6.75] 171,4	[4.02] 102.10
5910	[1.50] 38,1	[2.24] 56,9	[0.37] 9,4	[2.25] 57,2	[0.25] 6,4	[3.76] 95,5	[2.00] 50,8	[2.76] 70,1	[0.75] 19,1	[1.57] 39,9	[1.75] 44,5	[0.75] 19,1	[0.24] 6,1	[0.41] 10,5	[0.56] 14,2	[9.04] 229,5	[9.27] 235,5	[6.02] 152.88
5915	[2.00] 50,8	[2.95] 74,9	[0.48] 12,2	[2.99] 75,9	[0.38] 9,7	[5.00] 127,0	[2.75] 69,9	[3.88] 98,6	[0.98] 24,9	[1.97] 50,0	[2.37] 60,2	[1.00] 25,4	[0.35] 8,9	[0.55] 14,0	[1.00] 25,4	[10.89] 276,7	[11.25] 285,7	[7.50] 190.50

Model	A3	A5	B2	B3	F	H
5905-B	[1.51] 38,4	[2.49] 63,2	[0.59] 15,0	[1.02] 25,9	[0.56] 12,2	[6.24] 158,5
5910-B	[2.25] 57,2	[3.76] 95,5	[0.75] 19,1	[1.57] 39,9	[0.75] 19,1	[8.72] 221,5

Series 229 Product Overview

Features:

- Cam action clamp holds workpieces of varying height
- Total clamping range of 8mm [.31in.]
- Accommodates M12 or 1/2" accessories

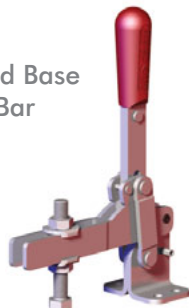
Applications:

- Assembly & test
- Light machining
- Welding

Also Available:

See page 8.1 for accessories

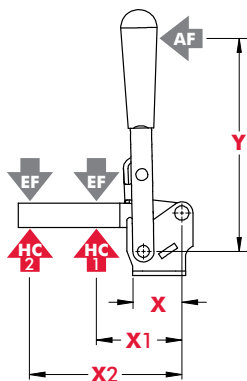
229
Flanged Base
Open Bar



Series 229 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)	
					Spindle Assembly	Flanged Washers
229	4450 N [1000 lbf]	115°	180°	1,17kg [2.59lbs]	229203	247109

Series 229 Holding Capacities

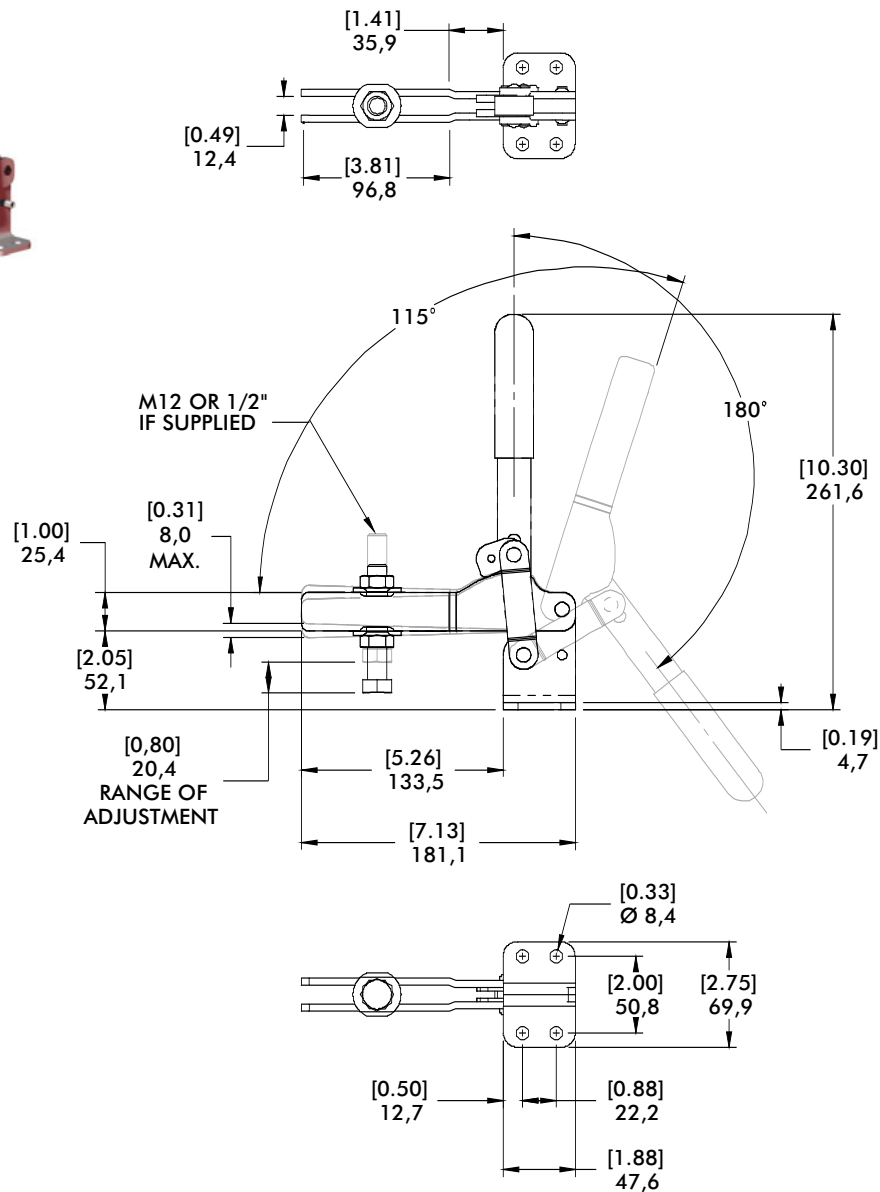
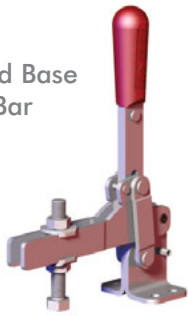


Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
229	[1.53] 38,9	[3.00] 76,2	[6.12] 155,4	[7.06] 179,3	[1000lbf.] 4450N	[500lbf.] 2230N	7:1	3:1

Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Refer to page 20.4 for additional information.

Series 229 Standard Clamp Dimensions

229
Flanged Base
Open Bar



Heavy Duty Cam Action Series Product Overview

Features:

- Cam action accommodates variable workpiece thickness
- Heavy duty construction
- Solid clamp arms may be modified to suit application requirements

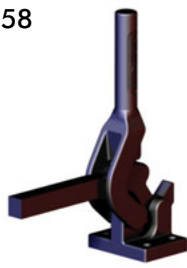
Applications:

- Light machining
- Welding
- Assembly

7-101



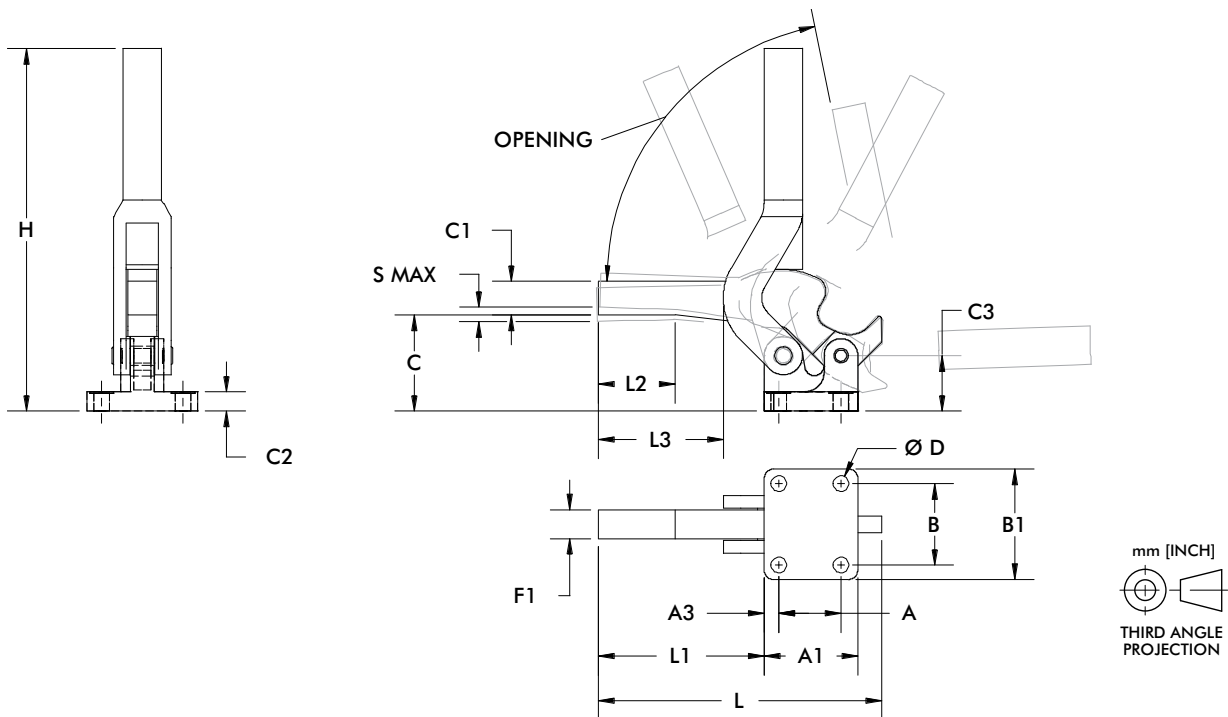
7-58



Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Weight
7-101	2110 N [475 lbf]	80°	0,45kg [1.0lbs]
7-58	2670 N [600 lbf]	95°	0,91kg [2.0lbs]
7-59	4450 N [1000 lbf]	95°	1,36kg [3.0lbs]
7-60	7120 N [1600 lbf]	80°	2,27kg [5.0lbs]

Heavy Duty Cam Action Series Standard Clamp Dimensions - Flanged Base



Model	A	A1	A3	B	B1	C	C1	C2	C3	D	F1	H	L	L1	L2	S max.
7-101	[0.75] 19,1	[1.25] 31,8	[0.25] 6,1	[1.25] 31,8	[1.75] 44,5	[1.44] 36,6	[0.50] 12,7	[0.31] 7,9	[1.00] 25,4	[0.22] 5,6	[0.50] 12,7	[5.00] 127	[4.63] 117,6	[3.12] 79,3	-	[0.13] 3,3
7-58	[1.00] 25,4	[1.69] 42,9	[0.34] 8,6	[1.62] 41,2	[2.25] 57,2	[1.87] 47,5	[0.56] 14,2	[0.38] 9,7	[1.12] 28,5	[0.28] 7,1	[0.50] 12,7	[7.00] 177,8	[6.99] 177,6	[2.55] 64,8	-	[0.13] 3,3
7-59	[1.38] 35,1	[2.06] 52,3	[0.39] 9,9	[1.88] 47,8	[2.50] 63,5	[2.19] 55,6	[0.63] 16	[0.44] 11,2	[1.25] 31,8	[0.34] 8,6	[0.63] 16	[8.50] 215,9	[6.00] 152,4	[3.50] 88,9	[1.24] 31,5	[0.19] 4,8
7-60	[1.62] 41,2	[2.44] 62	[0.44] 11,2	[2.12] 53,9	[2.88] 73,2	[2.50] 63,5	[0.88] 22,4	[0.50] 12,7	[1.44] 36,6	[0.41] 10,4	[0.75] 19,1	[9.50] 241,3	[7.40] 188	[4.38] 111,3	[1.97] 50	[0.25] 6,4

Series 201 Product Overview

Features:

- Smallest series in the Vertical Handle series
- Stainless steel version available

Applications:

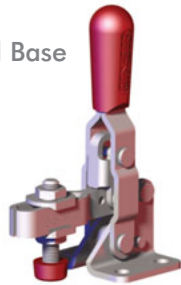
- Checking fixtures
- Assembly & test
- Woodworking

Also Available:

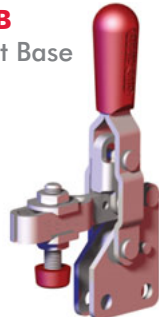
See page 8.1 for accessories

812-U Pneumatic Toggle Clamp
(See page 10.4)

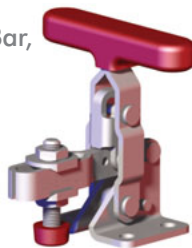
201-U
Flanged Base
U-Bar



201-UB
Straight Base



201-TU
Straight
Base, U-Bar,
T-Handle



201-USS
Flanged Base
U-Bar, Stainless
Steel

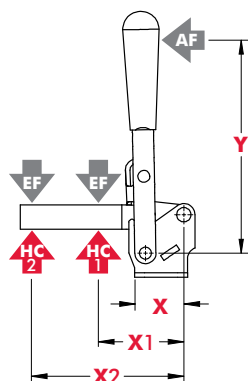


Note:
Clamps shown with included accessories.

Series 201 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)	
					Spindle Assembly	Flanged Washers
201-U	440 N [100 lbf]	100°	55°	0,70kg [0.15lbs]	305208-M	102111
201-UB						
201-TU	560 N [125 lbf]	100°	55°	0,70kg [0.15lbs]	201943	102911
201-USS						

Series 201 Holding Capacities



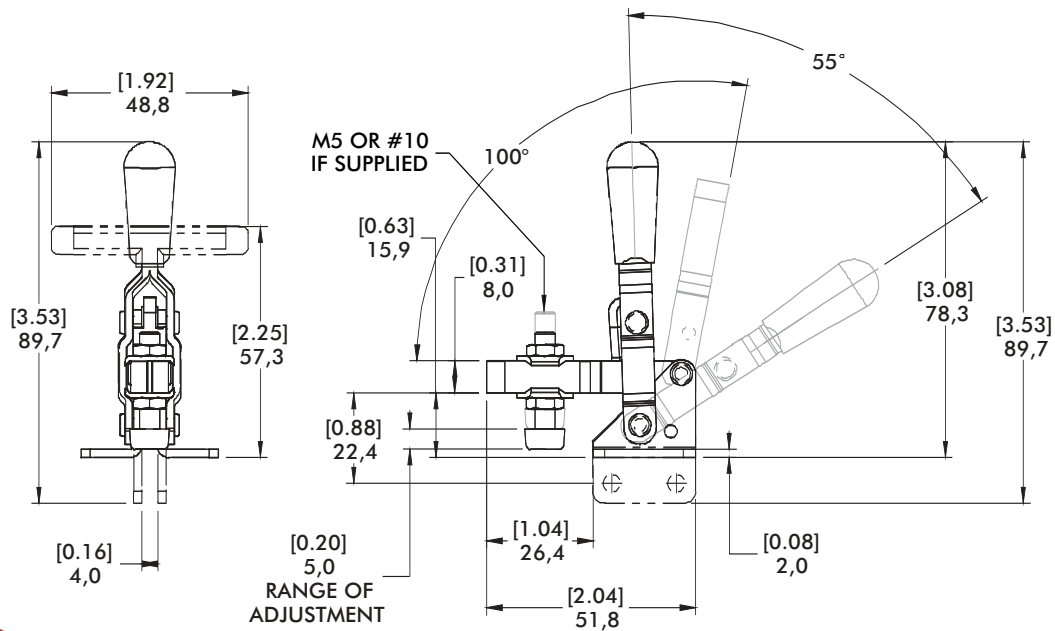
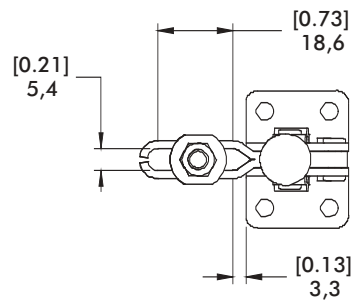
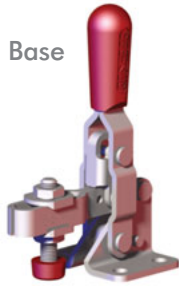
Model	X	X1	X2	Y	‡HC1	‡HC2	‡EF(X1):AF	‡EF(X2):AF
U/UB				[2.25] 57	[100lbf.] 440N	[55lbf.] 245N	9:1	6:1
TU	[0.87] 22	[1.06] 27	[1.75] 44,5	[1.38] 35			8.4:1	4:4:1
USS				[2.25] 57	[125lbf.] 560N	[60lbf.] 270N	9:1	6:1

Dimensions shown "mm [inch]" ‡ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
Refer to page 20.4 for additional information.

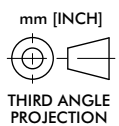
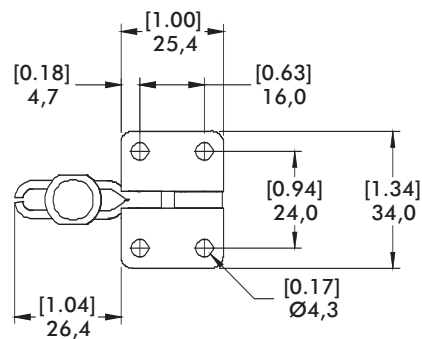
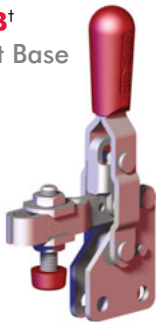
Series 201 Standard Clamp Dimensions

-U/-UB/-TU/-USS

201-U[†]
Flanged Base
U-Bar



201-UB[†]
Straight Base



Heavy Duty Cam Action Series Product Overview

Features:

- Cam action accommodates variable workpiece thickness
- Heavy duty construction
- Solid clamp arms may be modified to suit application requirements

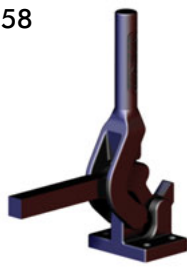
Applications:

- Light machining
- Welding
- Assembly

7-101



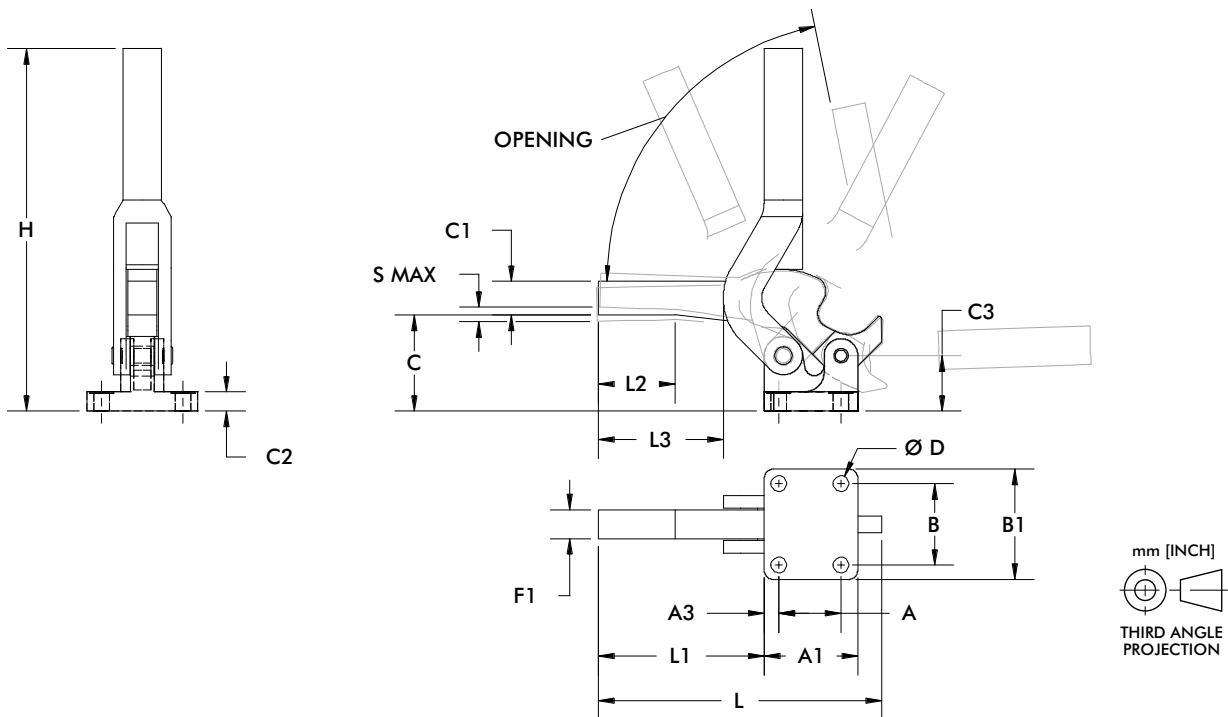
7-58



Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Weight
7-101	2110 N [475 lbf]	80°	0,45kg [1.0lbs]
7-58	2670 N [600 lbf]	95°	0,91kg [2.0lbs]
7-59	4450 N [1000 lbf]	95°	1,36kg [3.0lbs]
7-60	7120 N [1600 lbf]	80°	2,27kg [5.0lbs]

Heavy Duty Cam Action Series Standard Clamp Dimensions - Flanged Base



Model	A	A1	A3	B	B1	C	C1	C2	C3	D	F1	H	L	L1	L2	S max.
7-101	[0.75] 19,1	[1.25] 31,8	[0.25] 6,1	[1.25] 31,8	[1.75] 44,5	[1.44] 36,6	[0.50] 12,7	[0.31] 7,9	[1.00] 25,4	[0.22] 5,6	[0.50] 12,7	[5.00] 127	[4.63] 117,6	[3.12] 79,3	-	[0.13] 3,3
7-58	[1.00] 25,4	[1.69] 42,9	[0.34] 8,6	[1.62] 41,2	[2.25] 57,2	[1.87] 47,5	[0.56] 14,2	[0.38] 9,7	[1.12] 28,5	[0.28] 7,1	[0.50] 12,7	[7.00] 177,8	[6.99] 177,6	[2.55] 64,8	-	[0.13] 3,3
7-59	[1.38] 35,1	[2.06] 52,3	[0.39] 9,9	[1.88] 47,8	[2.50] 63,5	[2.19] 55,6	[0.63] 16	[0.44] 11,2	[1.25] 31,8	[0.34] 8,6	[0.63] 16	[8.50] 215,9	[6.00] 152,4	[3.50] 88,9	[1.24] 31,5	[0.19] 4,8
7-60	[1.62] 41,2	[2.44] 62	[0.44] 11,2	[2.12] 53,9	[2.88] 73,2	[2.50] 63,5	[0.88] 22,4	[0.50] 12,7	[1.44] 36,6	[0.41] 10,4	[0.75] 19,1	[9.50] 241,3	[7.40] 188	[4.38] 111,3	[1.97] 50	[0.25] 6,4

Series 202 Product Overview

Features:

- Two bar styles available
- Low profile T-Handle version available
- Available in stainless steel
- Accommodates M6 or 1/4" spindle accessories

Applications:

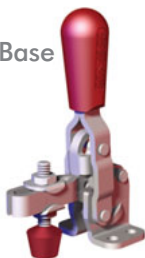
- Checking fixtures
- Assembly & test
- Light machining
- Woodworking

Also Available:

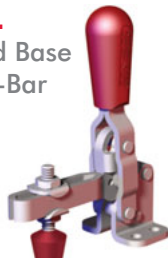
See page 8.1 for accessories

802-U Pneumatic Toggle Clamp
(See page 10.6)

202-U
Flanged Base
U-Bar



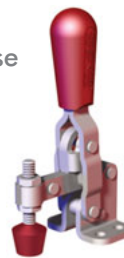
202-UL
Flanged Base
Long U-Bar



202-USS
Flanged Base
U-bar, Stainless
Steel



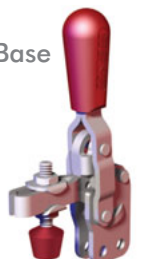
202
Flange Base
Solid Bar



202-SS
Flanged Base
Solid Bar
Stainless Steel



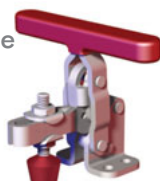
202-UB
Straight Base
U-bar



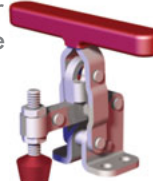
202-B
Straight Base
Solid Bar



202-TU
Flanged Base
U-bar,
T-Handle



202-T
Flanged Base
Solid Bar
T-Handle



202-U-L^①
Flanged Base
Open U-Bar



202-UB-L^①
Straight Base
Open U-Bar



Note:

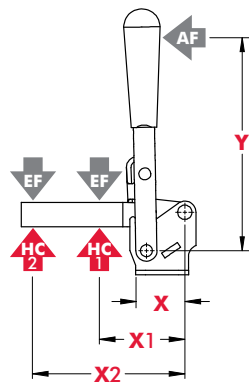
Clamps shown with included accessories.

Series 202 Technical Information

					Accessories (Supplied)	
Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Spindle Assembly	Flanged Washers
202-U	890 N [200 lbf]	105°	65°	0,16kg [0.35lbs]	202208-M	215105
202-UL						
202-USS	1110 N [250 lbf]				202943	215905
202	890 N [200 lbf]			0,15kg [0.33lbs]	202208-M	---
202-SS	1110 N [250 lbf]				202943	---
202-UB	890 N [200 lbf]				0,16kg [0.35lbs]	202208-M
202-B				0,15kg [0.33lbs]		
202-TU				0,17kg [0.38lbs]		
202-T				0,16kg [0.35lbs]	---	---
202-U-L ⓘ						
202-UB-L ⓘ						

ⓘ This item is available upon request

Series 202 Holding Capacities



Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
202-U	[0.79] 20	[1.25] 32	[2.25] 57	[3.42] 87	[200 lbf] 890N	[140 lbf] 625N	10:1	5:1
202-UL			[2.88] 73	87	890N	[150 lbf] 670N		4:1
202-USS			[2.25] 57	[3.00] 76	[250 lbf] 1110N	[170 lbf] 760N		5:1
202		---	[1.88] 48	[3.42] 87	---	[200 lbf] 890N	---	8:1
202-SS			[3.00] 76	[3.00] 76	---	[250 lbf] 1110N		---
202-UB			[2.25] 57	[3.42] 87	[200 lbf] 890N	[140 lbf] 625N		5:1
202-B		---	[1.88] 48	87	---	[200 lbf] 890N	---	8:1
202-TU		[1.25] 32	[2.25] 57	[2.13] 54	[200 lbf] 890N	[140 lbf] 625N	11:1	7:1
202-T		---	[1.88] 48	54	---	[200 lbf] 890N	---	6:1
202-U-L ⓘ		[1.25] 32	[2.25] 57	[3.42] 87	[200 lbf] 890N	[140 lbf] 625N	10:1	5:1
202-UB-L ⓘ		[1.25] 32	[2.25] 57	[3.42] 87	[200 lbf] 890N	[140 lbf] 625N	10:1	5:1

Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force

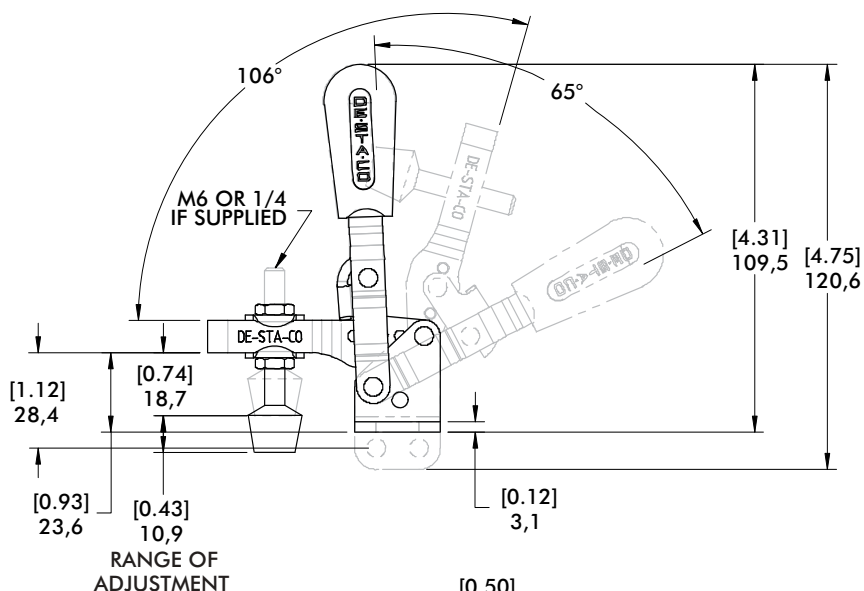
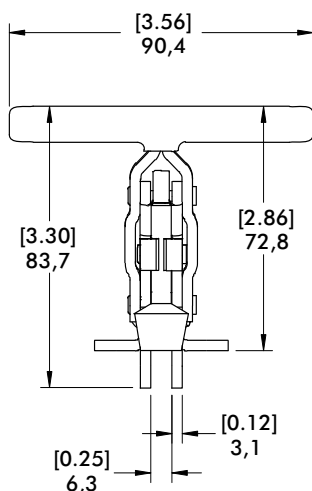
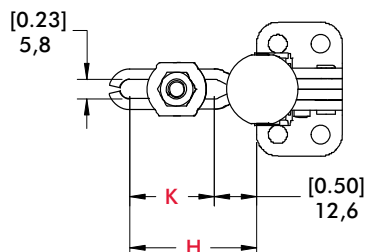
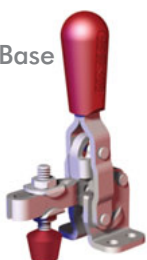
ⓘ This item is available upon request

Series 202 Standard Clamp Dimensions

202/-U/-UL/-USS/-SS/-UB/-B/-TU/-T

202-**U**[†]

Flanged Base U-Bar



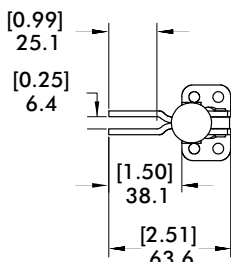
Series 202 Open Bar

Flanged Base

Model
202-U-L ⓘ

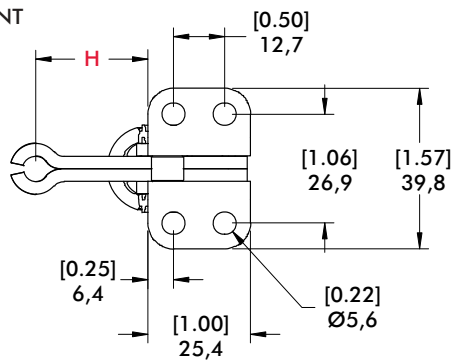


See page (8.7) for
Complete offering of
Open bar accessories



Straight Base

Model
202-UB-L ⓘ



mm [INCH]
THIRD ANGLE
PROJECTION

Bar Style	Clamp Models	H	K
	202- U /202- UB / 202- USS /202- TU	[1.73] 44,1	[0.98] 25
	202- UL ⓘ	[2.29] 58,1	[1.51] 38,4
	202/202- B / 202- T /202- SS	[1.31] 33,3	---
	202- U-L ⓘ/ 202- UB-L ⓘ	[1.50] 38,1	---

 This item is available upon request

Series 207 Product Overview

Features:

- Largest selection of arm and mounting options
- Low profile T-Handle version available
- Available in stainless steel

Applications:

- Checking fixtures
- Assembly & test
- Light machining
- Woodworking

Also Available:

See page 8.1 for accessories

807-U Pneumatic toggle clamp
(See page 10.7)

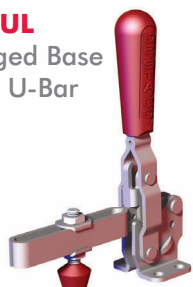
807-S Pneumatic toggle clamp
(See page 10.7)

Accepts M8 or 5/16 spindle accessories

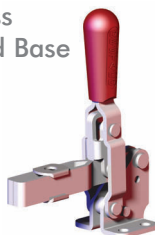
207-U[†]
Flanged Base
U-Bar



207-UL
Flanged Base
Long U-Bar



207-USS
Stainless
Flanged Base
U-Bar



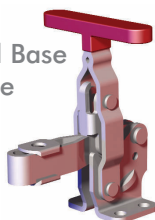
207-S
Flanged Base
Solid Bar



207-L
Flanged Base
Long Solid Bar



207-TU
Flanged Base
T-Handle
U-Bar



207-TUL
Flanged Base
T-Handle
Long U-Bar



207-UR[†]
Flanged Base
U-Bar
with
DE-STA-CO®
Toggle Lock
Plus



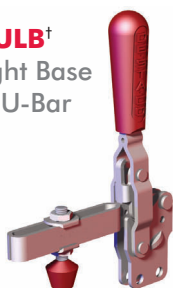
207-LR
Flanged Base
Long Solid Bar
with
DE-STA-CO®
Toggle Lock
Plus



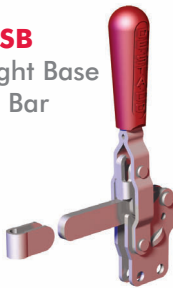
207-UB[†]
Straight Base
U-Bar



207-ULB[†]
Straight Base
Long U-Bar



207-SB
Straight Base
Solid Bar



207-LB
Straight Base
Long Solid
Bar



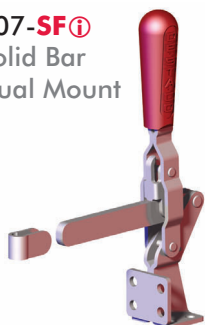
207-LBR^①
Straight Base
Long Solid
Bar with
DE-STA-CO®
Toggle Lock
Plus



207-UF^①
U-Bar
Dual Mount



207-SF^①
Solid Bar
Dual Mount



207-U-L^①
Flange Base
Open Bar



207-UB-L^①
Straight Base
Open Bar



Note:

Clamps shown with
included accessories

[†]To order without
spindle, add (-LS)
to the end of model

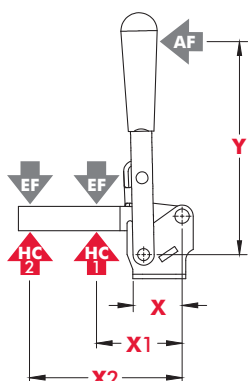
(Ex: 207-UB-LS)

Series 207 Technical Information

					Accessories (Supplied)			
Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Bolt Retainer	Spindle Assembly	Flanged Washers	
207-U	1670 N [375 lbf]	99°	57°	0,30kg [0.67lb]	---	225208-M	507107	
207-UR				0,45kg [1.00lb]				
207-UL				0,30kg [.67lb]				
207-USS	2000 N [450 lbf]			0,32kg [0.70lb]	---	---	507907	
207-S	2220 N [500 lbf]			0,31kg [0.69lb]	207105	---	---	
207-L				0,34kg [0.74lb]				
207-LR				0,45kg [1.00lb]				
207-UB	1670 N [375 lbf]			0,33kg [0.72lb]	---	225208-M	507107	
207-ULB								
207-SB	2220 N [500 lbf]			0,31kg [0.69lb]	207105	---	---	
207-LB				0,34kg [0.75lb]				
207-LBR ⓘ				0,45kg [1.00lb]				
207-TU	1670 N [375 lbf]				0,33kg [0.72lb]	---	---	507107
207-TUL								
207-UF ⓘ	1670 N [375 lbf]	96°	56°	0,43kg [0.94lb]	---	225208-M	507107	
207-SF ⓘ	2220 N [500 lbf]	90°	57°	0,38kg [0.84lb]	207105	---	---	
207-U-L ⓘ	1670 N [375 lbf]	99°		0,38kg [0.84lb]	---	---	---	
207-UB-L ⓘ								

ⓘ This item is available upon request

Series 207 Holding Capacities



Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
U/UB/UR		[2.00] 50,8	[3.75] 95,3		[375 lbf] 1670N	[225 lbf] 1000N	12:1	6:1
UL/ULB		[3.88] 98,5	[5.00] 127			[150 lbf] 670N	7:1	4:1
USS		[2.00] 50,8	[3.75] 95,3	[4.90] 124,5	[450 lbf] 2000N	[1070 lbf] 240N		5:1
S/SB		[2.88] 73,0			[500 lbf] 2220N	[350 lbf] 1560N	10:1	7:1
L/LR LB/LBR	[1.28] 32,6	[2.88] 73,0	[5.00] 127					5:1
TU		[2.00] 50,8	[3.75] 95,3	[3.66] 9	[375 lbf] 1670N	[225 lbf] 1000N	6:1	4:1
TUL		[3.88] 98,5	[5.00] 127			[150 lbf] 670N	4:1	3:1
U-L		[2.00] 50,8	[3.75] 95,3	[4.90] 124,5	[375 lbf] 1670N	[2225 lbf] 1000N	12:1	6:1
UB-L								

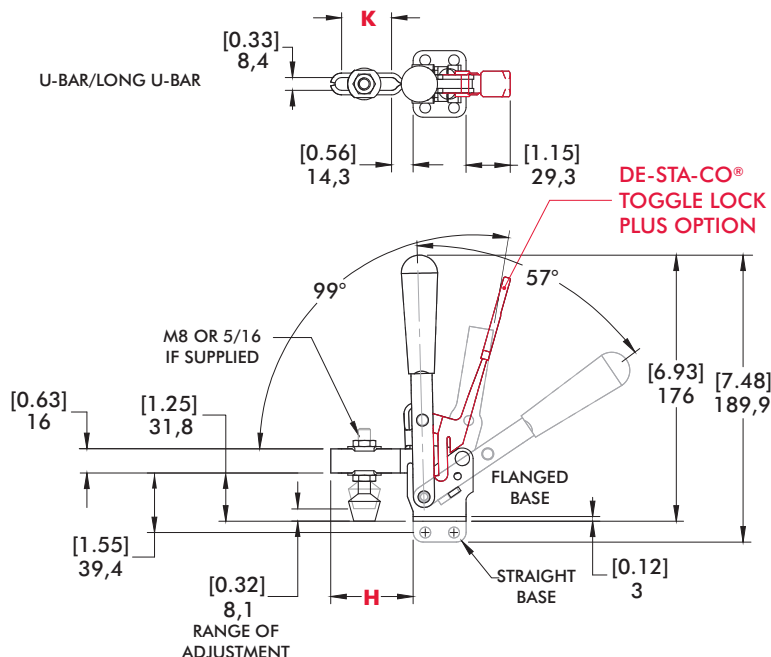
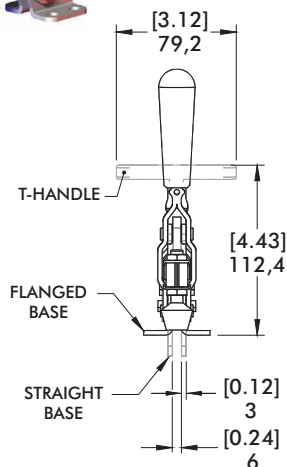
Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force

Series 207 Standard Clamp Dimensions

-U/-UL/-S/-L/-TU/-TUL/-UR/-LR/-UB/-ULB/-SB/-LB/-LBR

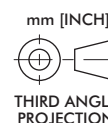
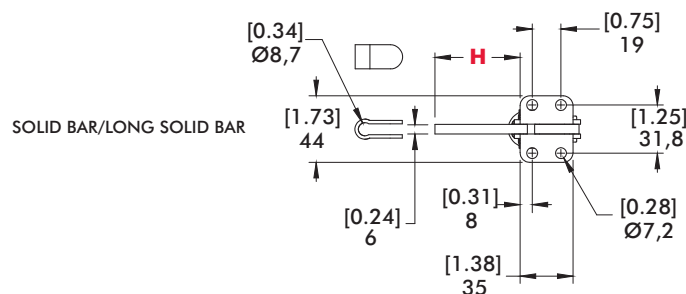
207-U[†]

Flanged Base
U-Bar



207-SB

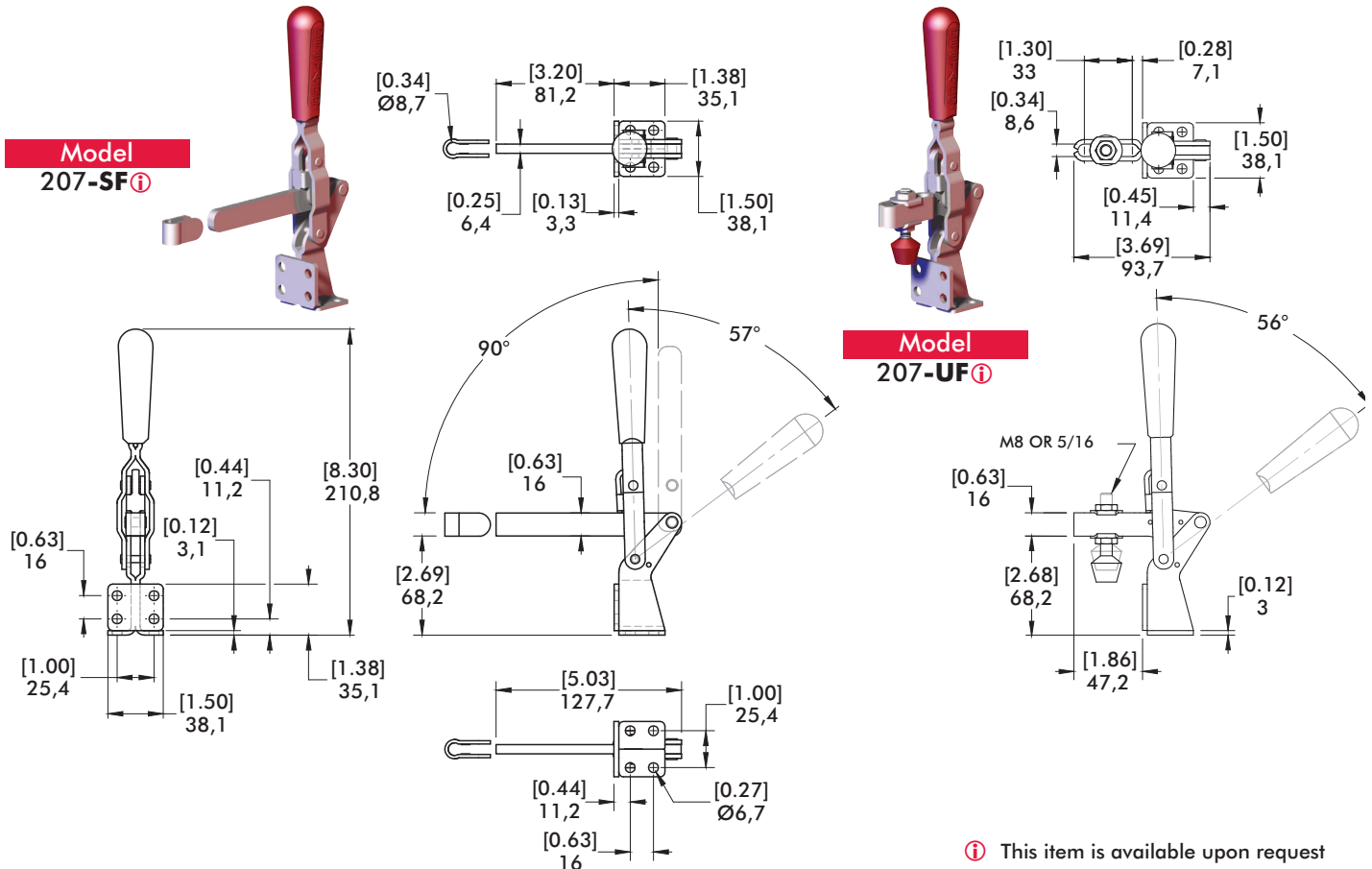
Straight Base
Solid Bar



Bar Style	Clamp Models	H	K
	207-U/207-UR/207-TU/207-UB	[2.14] 54,4	[1.30] 33
	207-UL/207-ULB/207-TUL	[3.84] 97,6	[2.94] 74,6
	207-S/207-SB/207-TS	[2.21] 56,2	---
	207-L/207-LR/207-LB/207-LBR [†]	[3.48] 88,4	---

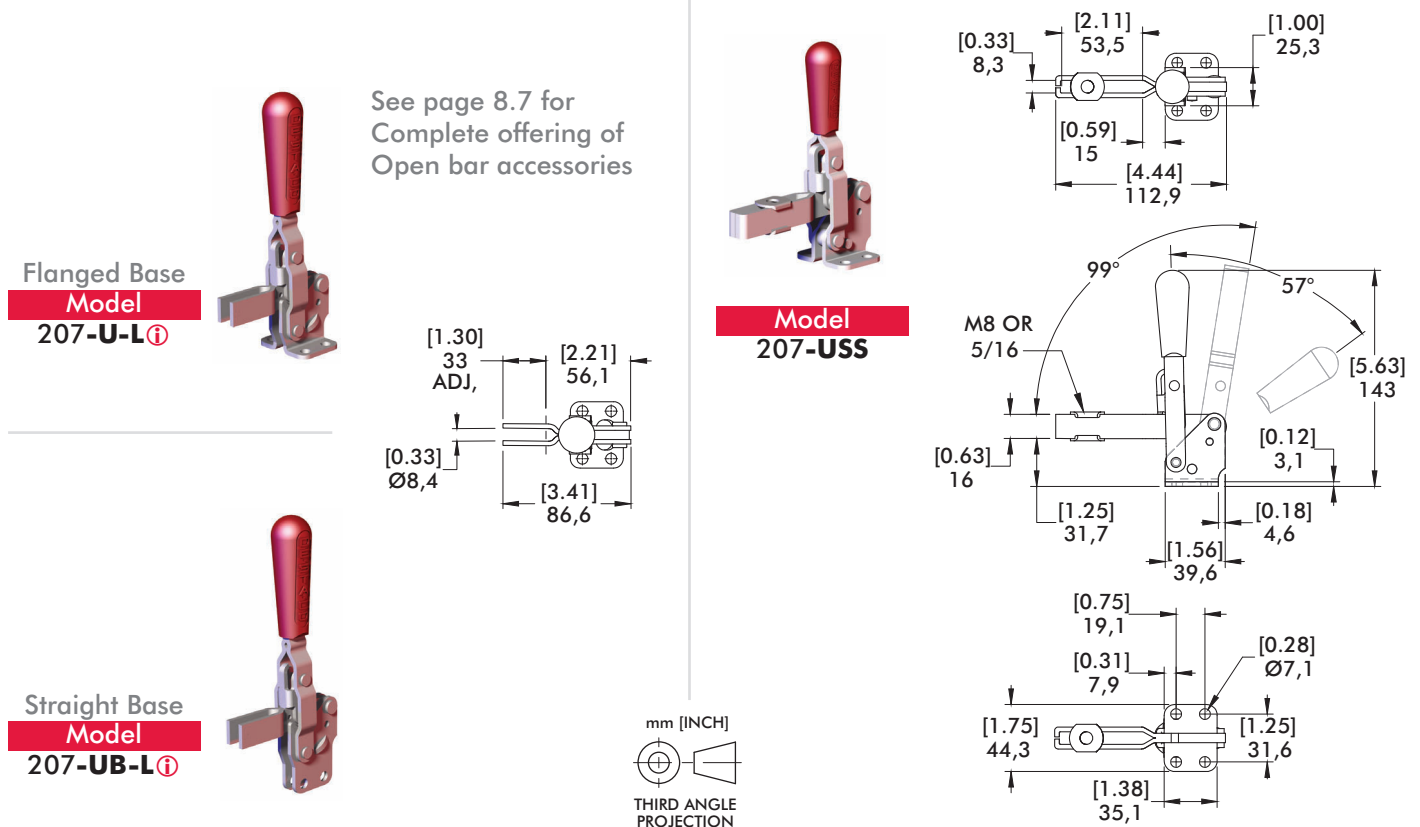
[†] This item is available upon request

Series 207 Standard Clamp Dimensions - Dual Mount



Series 207 Open Bar

207-USS Stainless Steel



Series 210 Product Overview

Features:

- DE-STA-CO® Toggle Lock Plus versions available
- Available in stainless steel
- Accommodates M10 or 3/8 spindle accessories

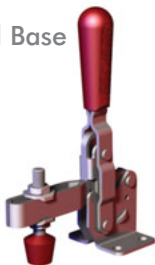
Applications:

- Assembly & test
- Light machining
- Light welding

Also Available:

See page 8.1 for accessories
810-U Pneumatic Toggle Clamp
(See page 10.9)
810-S Pneumatic Toggle Clamp
(See page 10.9)

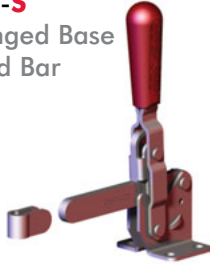
210-U
Flanged Base
U-Bar



210-USS
Flanged Base
U-bar, Stainless
Steel



210-S
Flanged Base
Solid Bar



210-UB
Straight Base
U-bar



210-SB
Straight Base,
Solid Bar



210-UR
Flanged Base
U Bar
with
DE-STA-CO®
Toggle Lock
Plus



210-SR
Flanged Base
Solid Bar
with
DE-STA-CO®
Toggle Lock
Plus



210-UBR^①
Straight Base
U Bar
with
DE-STA-CO®
Toggle Lock
Plus



210-TU
Flanged Base
U Bar,
T-Handle



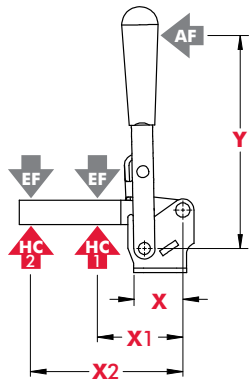
Note:
Clamps shown with included accessories.

Series 210 Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)		
					Bolt Retainer	Spindle Assembly	Flanged Washers
210-U	2670 N [600 lbf]	103°	58°	0,59kg [1.29lbs]	---	240208-M	235106
210-USS	3340 N [750 lbf]				---	237943	235906
210-S					210114	---	---
210-UB	2670 N [600 lbf]				---	240208-M	235106
210-SB	3340 N [750 lbf]			0,73kg [1.60lbs]	210114	---	---
210-UR	2670 N [600 lbf]				---	240208-M	235106
210-SR	3340 N [750 lbf]				210114	---	---
210-UBR^①	2670 N [600 lbf]				---	240208-M	235106
210-TU				0,62kg [1.36lbs]	---	---	

^① This item is available upon request

Series 210 Holding Capacities



Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	EF(X2):AF
U/UB/ UR/UBR ^①		[2.38] 60,5	[4.88] 124	[6.75] 171,5	[600lbf.] 2670N	[290lbf.] 1290N	14:1	7:1
USS	[1.54] 39				[750lbf.] 3340N	[360lbf.] 1600N		
S/SR/SB		[3.62] 92,0	[5.25] 133	[4.50] 114,5	[750lbf.] 3340N	[500lbf.] 2220N	11:1	9:1
TU		[2.38] 60,5	[4.88] 124		[600lbf.] 2670N	[290lbf.] 1290N		5:1

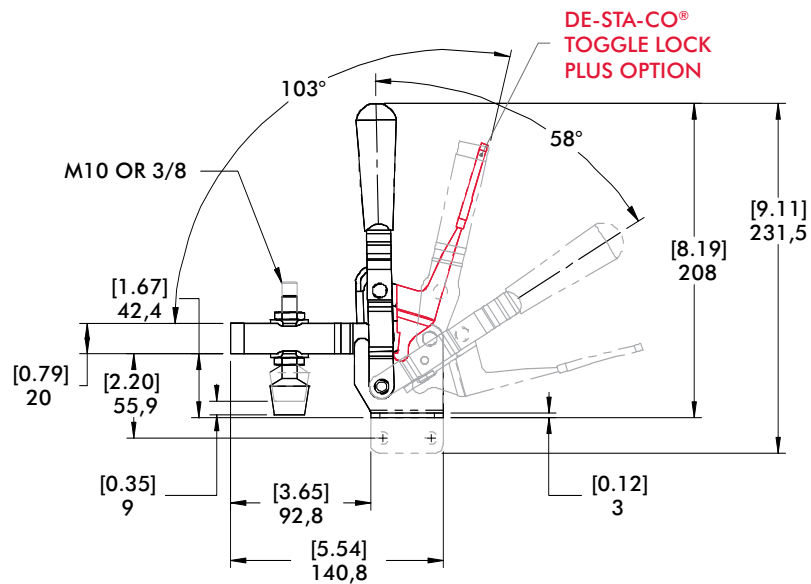
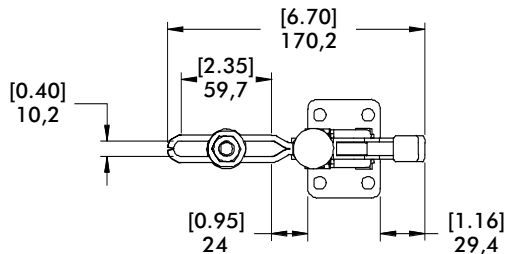
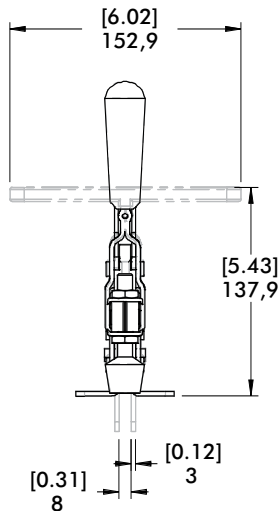
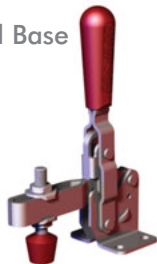
Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force

Refer to page 20.4 for additional information. ^① This item is available upon request

Series 210 Standard Clamp Dimensions -U/-USS/-S/-UB/-SB/-UR/-SR/-UBR/-TU

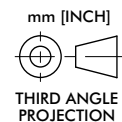
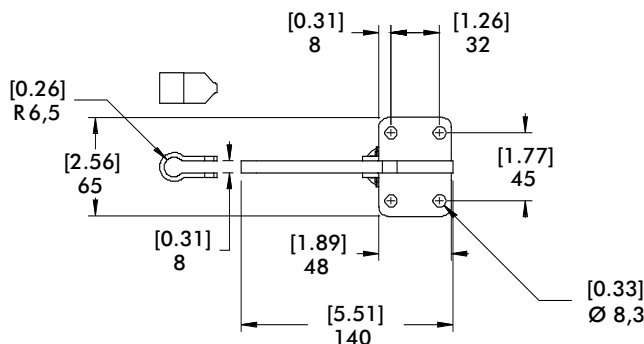
210-U[†]

Flanged Base
U-Bar



210-SR

Flanged Base
Solid Bar
with
DE-STA-CO®
Toggle Lock
Plus



Series 500 Product Overview

Features:

- Hardened pivot pins and bushings
- Weldable clamping bar
- LSC version with locking spring clip for securing the handle in the open position
- Modular design allows you to set up the clamp to meet application requirements

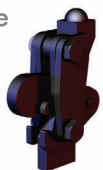
Applications:

- Welding
- Assembly
- Heavy duty, production clamping applications

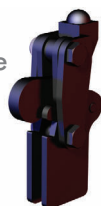
Also Available:

See page 1.42 for accessories

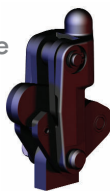
501-B ⓘ
Swivel Base



501-LB ⓘ
Long Base



503-MB
Swivel Base



503-MLB
Long Base



503-MBLS ⓘ
Swivel Base
with Locking
Spring Clip



503-MLBLS ⓘ
Long Base
with Locking
Spring Clip



505-MB
Swivel Base



505-MLB
Long Base



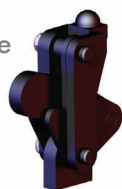
505-MBLS ⓘ
Swivel Base
with Locking
Spring Clip



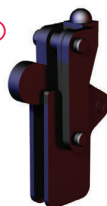
505-MLBLS ⓘ
Long Base
with Locking
Spring Clip



506-MB
Swivel Base



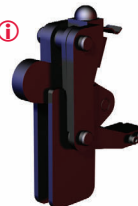
506-MLB ⓘ
Long Base



506-MBLS ⓘ
Swivel Base
with Locking
Spring Clip

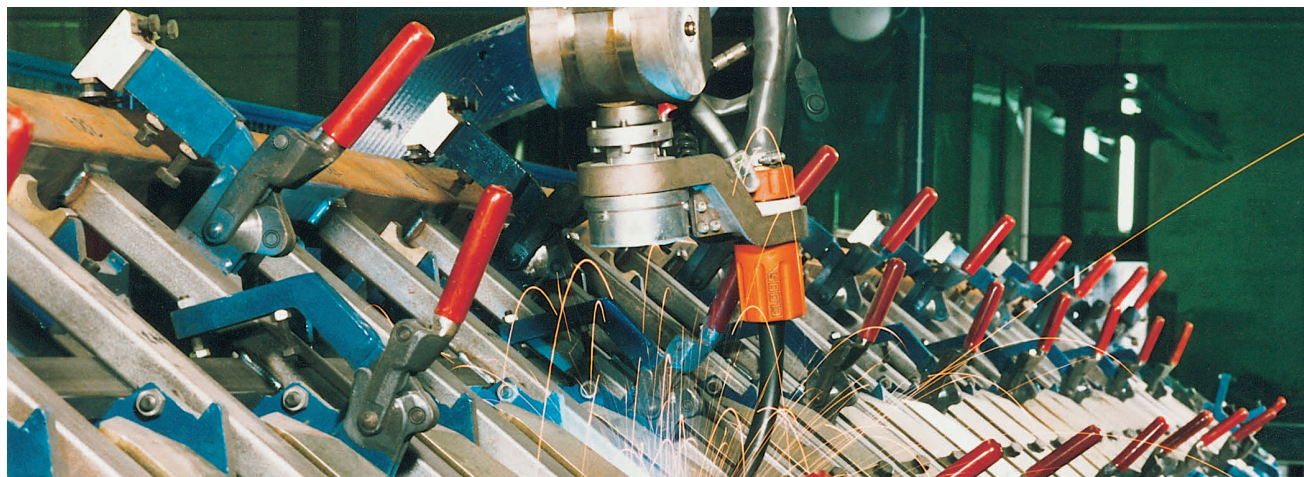


506-MLBLS ⓘ
Long Base
with Locking
Spring Clip



Model 505-MLB in a robotic welding fixture

ⓘ This item is available upon request



Series 500 Technical Information

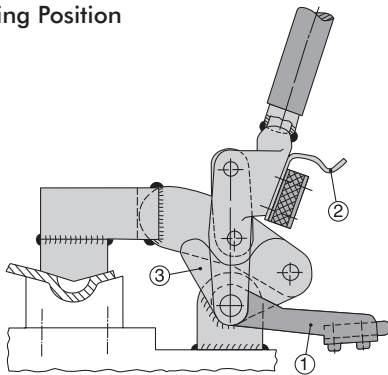
Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Weight
501-B ⓘ	2000 N [450 lbf]	200°	0,18kg [0.40lbs]
501-LB ⓘ			0,20kg [0.44lbs]
503-MB	0,70kg [1.54lbs]		
503-MLB	7000 N [1575 lbf]		0,80kg [1.76lbs]
503-MLBSC ⓘ			0,90kg [1.98lbs]
503-MLBLSC ⓘ			1,40kg [3.09lbs]
505-MB			1,50kg [3.31lbs]
505-MLB	11000 N [2475 lbf]		1,60kg [3.53lbs]
505-MLBSC ⓘ			2,60kg [5.73lbs]
505-MLBLSC ⓘ			2,80kg [6.17lbs]
506-MB	22500 N [5060 lbf]		3,00kg [6.61lbs]
506-MLB ⓘ			
506-MLBSC ⓘ			
506-MLBLSC ⓘ			

Note:

The clamping bars are made from forged alloy steel and must be heated to 200°C(400°F) prior to welding. We recommend welding the handles, clamp arms, and mounting bases when disassembled. Welding of non pre-heated parts may only be done with the addition of welding fillers.

ⓘ This item is available upon request

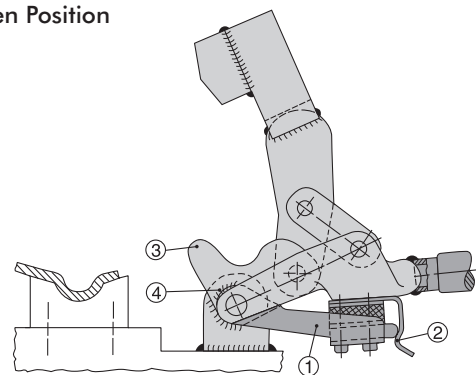
Clamping Position



Patented spring latch hold-open device

1. Mount the clamp and place it in the closed position
2. Position the bracket ① in the leaf spring ②

Open Position

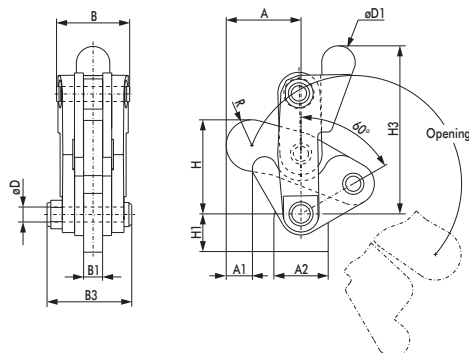


3. Swivel the clamp into the open position
4. In this position, weld the bracket ① with the bar guide feature ③ at point ④

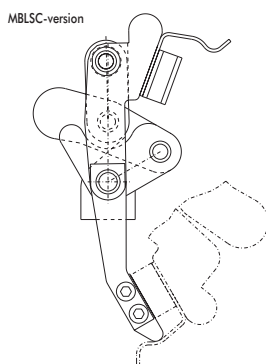
Series 500 Standard Clamp Dimensions

-B/-LB/-MB/-MLB/-MBLSC/-MLBLSC

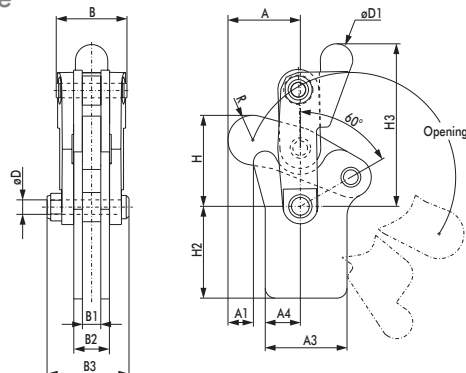
Swivel Base



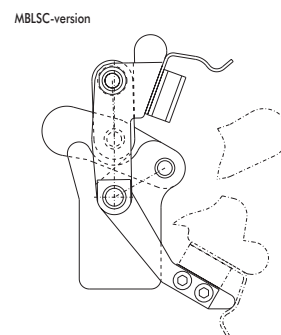
503-MB
Swivel Base



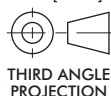
Long Base



503-MLB
Long Base



mm [INCH]


THIRD ANGLE
PROJECTION

Swivel Base Dimensions

Model	A	A1	A2	B	B1	B3	ØD	ØD1	H	H1	H3	R
501-B ①	[1.13] 28,6	[0.56] 14,3	[0.75] 19,1	[0.79] 20,0	[0.25] 6,4	[1.09] 27,8	[0.19] 4,8	[0.50] 12,7	[1.12] 28,5	[0.79] 20	[2.20] 56	[0.37] 9,5
503-MB	[1.54] 39,2	[0.50] 12,8	[1.12] 28,5	[1.52] 38,5	[0.39] 10	[1.82] 46,2	[0.31] 8	[0.69] 17,5	[1.96] 49,8	20	[3.51] 89,1	[0.53] 13,5
503-MBLSC ①												
505-MB	[2.22] 56,5	[1.02] 25,9	[1.38] 35	[1.89] 48	[0.48] 12,3	[2.31] 58,6	[0.37] 9,5	[0.87] 22,2	[2.79] 70,8	[1.10] 28	[4.33] 110,1	[0.72] 18,3
505-MBLSC ①												
506-MB	[2.82] 71,7	[1.27] 32,3	[1.97] 50	[1.91] 48,4	[0.63] 16	[2.72] 69	[0.47] 12	[0.94] 24	[3.45] 87,7	[1.29] 32,8	[5.30] 134,6	[0.84] 21,4
506-MBLSC ①												

Long Base Dimensions

Model	A	A1	A3	A4	B	B1	B2	B3	ØD	ØD1	H	H2	H3	R
501-LB ①	[1.13] 28,6	[0.50] 12,8	[1.13] 28,6	[0.56] 14,3	[0.79] 20	[0.25] 6,4	[0.51] 13	[1.09] 27,8	[0.19] 4,8	[0.50] 12,7	[1.12] 28,5	[1.32] 33,5	[2.21] 56,1	[0.37] 9,5
503-MLB	[1.54] 39,2	12,8	[1.75] 44,5	[0.75] 19	[1.52] 38,5	[0.39] 10	[0.79] 20	[1.82] 46,2	[0.31] 8	[0.69] 17,5	[1.96] 49,8	[1.97] 50	[3.51] 89,1	[0.53] 13,5
503-MLBLSC ①														
505-MLB	[2.22] 56,5	[1.02] 25,9	[2.09] 53	[1.08] 27,5	[1.89] 48	[0.48] 12,3	[0.88] 22,3	[2.31] 58,6	[0.37] 9,5	[0.87] 22,2	[2.79] 70,8	[2.50] 63,5	[4.33] 110,1	[0.72] 18,3
505-MLBLSC ①														
506-MLB	[2.82] 71,7	[1.27] 32,3	[2.58] 65,5	[1.45] 36,9	[1.91] 48,4	[0.63] 16	[1.10] 28	[2.72] 69	[0.47] 12	[0.94] 24	[3.45] 87,7	[3.00] 76,2	[5.30] 134,6	[0.84] 21,4
506-MLBLSC ①														[8.43] 214

Features:

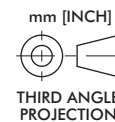
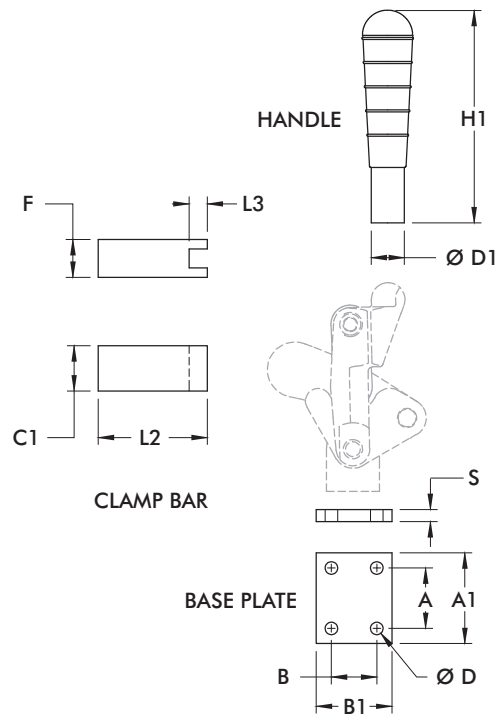
- Used with 500 Series Vertical Clamps
- Allows you to customize the clamp to suit application requirements

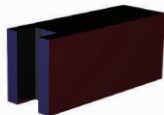
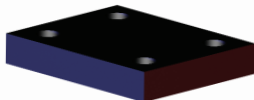
Applications:

- Welding
- Assembly
- Heavy duty, production clamping applications

Also Available:

See page 1.39 for clamp linkage



											
Handle		Clamping Bar				Base Plate					
ØD1	H1	C1	F	L2	L3	A	A1	B	B1	ØD	S
6x10	61	-	-	-	-	-	-	-	-	-	-
-	-	15	15	40	10	-	-	-	-	-	-
-	-	-	-	-	-	25	40	35	50	6.3	8
Ø18	129.5	-	-	-	-	-	-	-	-	-	-
-	-	25	20	50	8	-	-	-	-	-	-
-	-	-	-	-	-	25	40	35	50	6.3	8
Ø22	159	-	-	-	-	-	-	-	-	-	-
-	-	30	25	60	12	-	-	-	-	-	-
-	-	-	-	-	-	40	60	30	50	8.1	8
Ø28	188	-	-	-	-	-	-	-	-	-	-
-	-	35	30	75	15	-	-	-	-	-	-
-	-	-	-	-	-	50	70	45	65	8.1	8

ⓘ This item is available upon request Note: Dimensions shown in millimeters.