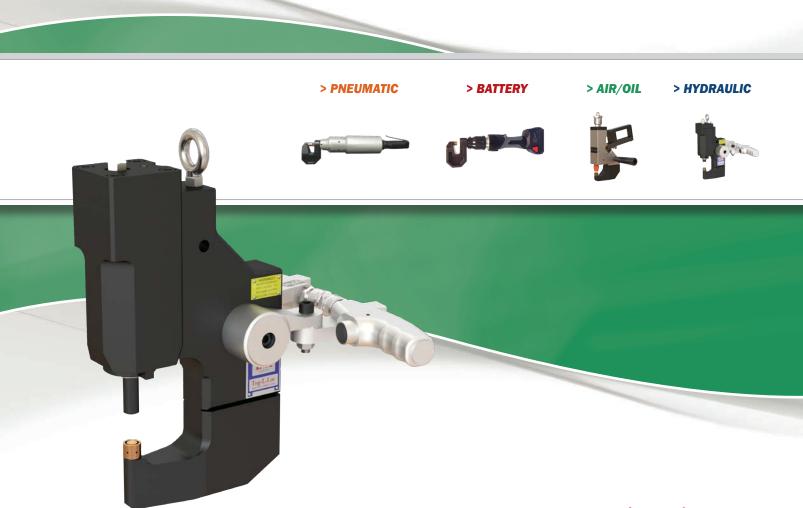
Hand-Held Clinching Presses

Manually Positioned Units for Clinching Sheet Metal Parts



Part of our Clinching Production Equipment Line of Products www.btmcomp.com/clinching-equipment



btmcomp.com

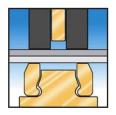
+1.810.364.4567



WHAT IS CLINCHING

BTM Tog-L-Loc® and related clinching tools economically join sheet metal without the expense of welding or purchased fasteners by simply joining the part's own material! Assembly cost is significantly reduced by drawing and forming the part material into an interlock. Join galvanized, pre-painted, or even dissimilar metal combinations using an environmentally friendly process that does not produce sparks, fumes or harmful heat!

HOW A TYPICAL BTM CLINCH JOINT IS MADE:







Step 1: Clamp

Step 2: Draw

Step 3: Lock

Step 1: Clamps

The stripper clamps the materials to be joined.

Step 2: Draws

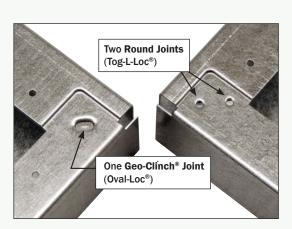
The punch draws the material into the die.

Step 3: Locks

As the material flows into the die, the sides of the die expand, allowing the material to flow into an interlock.

	ROUND JOINTS		Geo-Clinch JOINTS	
	TogliLoc	V-Loc	Oval-Loc*	Lance N Loc
Ideal for joining:	Mild Steel	Aluminum	Mild Steel	Harder Metals
Leak-Proof	Yes	Yes	Yes	No
Single Joint Rotation Resistance?	No	No	Yes	Yes

Tog-L-Loc® and V-Loc™ clinch joints are the most widely used. These round clinch joints have very good strength across a broad spectrum of material combinations, are aesthetically pleasing and at low cost. V-Loc™ performs



especially well when joining combinations of aluminum. BTM's round clinch joints are an economical solution to fastening sheet metal parts. However, round joints, while most popular, have the ability to rotate when used singularly, so BTM also offers Geo-Clinch® joints.

Geo-Clinch JOINTS

BTM Geo-Clinch® joints resist rotation, and also have the added benefit of increasing the rigidity of a sheet metal assembly.

Geo-Clinch® joints set the combined geometry of two separate parts in an assembly as required by GD&T. This makes Geo-Clinch® joints ideal for use in Geo-Set applications.

BTM reserves the right to make changes to its literature without any prior notice. Visit btmcomp.com for latest version.

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2



HAND-HELD UNITS

BTM Hand-Held Clinching Presses provide an inexpensive way to begin reducing the cost of assembling your product and can serve as an affordable stepping stone to higher production from a more automated machine. Our broad range of standard Hand-Held units are designed to fit a wide range of part designs and production requirements or we can easily modify an existing press to meet your unique part design.

Contact our Sales department at +1.810.364.4567 or email us at sales@btmcomp.com

PNEUMATIC		
UniClinch Press		
	See PAGE 6-7 For More Information	
Clinch Joint Type	Round	
Tool Sizes	3.0, 3.8, 4.6*	
Max. Combined Material Thickness	2mm [.08"]	
Opening	6mm [.25"]	
Throat Depth	Varies per Anvil	
Trigger Type	Single	
Operating Pressure	6 BAR [87 PSI]	
Press Force	34kN [3.8 Ton]	
Cycle Time	1.5 second	
Unit Weight	Roughly 4kg [8.9 lb]	

 $[\]boldsymbol{*}$ 4.6 Tooling- Some Limitations Apply. Contact BTM.

BATTERY POWERED PRESSES

Compact Battery Clinch Press		
	See PAGE 8-9 For More Information	
Clinch Joint Type	Round	
Tool Sizes	3.0, 3.8, 4.6	
Max. Combined Material Thickness	3mm [.12"]	
Opening	6mm [.25"]	
Throat Depth	Varies per C-Frame	
Trigger Type	Single	
Battery Type	18V/1.5Ah Lithium-lon	
Charging Time	Approximately 30 Minutes	
Press Force	45kN [5 Ton]	
Cycle Time	Contact BTM	
Unit Weight	Varies with C-Frame	

Battery Clinch Press		
	See PAGE 10-11 For More Information	
Clinch Joint Type	Round	
Tool Sizes	3.0, 3.8, 4.6, 5.5	
Max. Combined Material Thickness	3mm [.12"]	
Opening	16mm [.63"]	
Throat Depth	Varies per C-Frame	
Trigger Type	Single	
Battery Type	18V/3 Ah Lithium-Ion	
Charging Time	Approximiately 45 Minutes	
Press Force	60kN [6.5 Ton]	
Cycle Time	Contact BTM	
Unit Weight	Varies with C-Frame	



AIR/OIL BOOSTER POWERED PRESSES







HYDRAULIC POWERED PRESSES

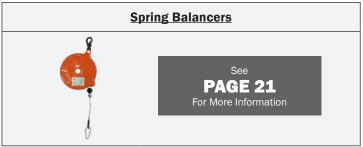
7007 Press		
	See PAGE 15-16 For More Information	
Clinch Joint Type	Round, Geo-Clinch®	
Round Tool Sizes	3.0, 3.8, 4.6	
Geo-Clinch® Tool Sizes*	TLO-3x6; LL-3.0, LL-3.8	
Max. Combined Material Thickness	4mm [.16"]	
Opening	M Anvil - 33mm [1.30"] N Anvil - 29.3mm [1.15"]	
Stroke	M Anvil - 35mm [1.38"] N Anvil - 32mm [1.26"]	
Throat Depth	50mm [1.97"]	
Trigger Type	Dual	
Operating Pressure	175 BAR [2500 PSI]	
Press Force	35kN [3.9 Ton]	
Cycle Time	2 sec.	
Unit Weight (Round Clinch Assembly)	11.3 kg [25 lbs]	

Heavy Duty 7007 Press		
	See PAGE 17-18 For More Information	
Clinch Joint Type	Round	
Tool Size	5.5	
Geo-Clinch® Tool Sizes*	TLO-4x8; LL-4.6	
Max. Combined Material Thickness	5.5mm [.22"]	
Opening	33.8mm [1.33"]	
Stroke	35mm [1.38"]	
Throat Depth	75mm [2.95"]	
Trigger Type	Dual	
Operating Pressure	175 BAR [2500 PSI]	
Press Force	54kN [6.1 Ton]	
Cycle Time	2 sec.	
Unit Weight (Round Clinch Assembly)	22 kg [49 lbs] - 24 kg [53 lbs]	

 $^{{}^{*}}$ Geo-Clinch ${}^{\otimes}$ Units By Special Order. Contact BTM

HYDRAULIC PUMP		
HydroPak1.2		
	See PAGE 19 For More Information	
Flow Rate	9.5 LPM @ 45 BAR [2.5 GPM @ 650 PSI] 2.3 LPM @ 172 BAR [0.6 GPM @ 2500 PSI]	
Motor Size	1.5 HP	
Electrical Supply	120 volt 60 HZ single phase 16 amp	
Power Consumption	1920 watts	
Maximum Pressure	207 BAR [3000 PSI]	
Working Pressure	45/172 BAR [650/2500 PSI]	







UNICLINCH

The UniClinch press has an integrated air hydraulic cylinder which requires only an 87PSI (6 BAR) airline to operate.

The unit contains few moving parts and offers a high level of reliability.

It is also quick cycling, lightweight, well balanced and runs quietly making it an ideal solution for economically clinching your products in low to medium volume production runs.

THE UNICLINCH IS BEST WHEN:

- Smaller clinch joints are adequate.
- Joining overlaps or flanges.
- The part does not require a large opening.

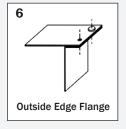


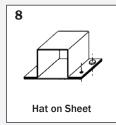
Opening	6mm [.25"]
Trigger Type	Single
Operating Pressure	6 BAR [87 PSI]
Press Force	34kN [3.8 Ton]
Cycle Time	1.5 sec.
Maximum Combined Material Thickness	2mm [.08"]

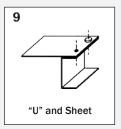
Clinch Joint Type		Round	
Tool Size(s)	3.0	3.8	4.6*

^{* 4.6} Tooling-Some Limitations Apply. Contact BTM.

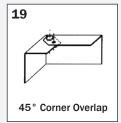
TYPICAL APPLICATIONS FOR A UNICLINCH:

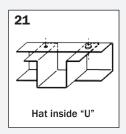












HOW TO ORDER



It is recommended that you contact a BTM sales engineer prior to purchasing a hand-held unit to determine the optimal tooling configuration for your application.

$\textbf{Call +1.810.364.4567, or email } \underline{\textbf{sales@btmcomp.com}} \ \textbf{to request a quote!}$

UniClinch with C-Frame*		
PD295000A		
OR		
PD296000A		
OR		
PD296000B		

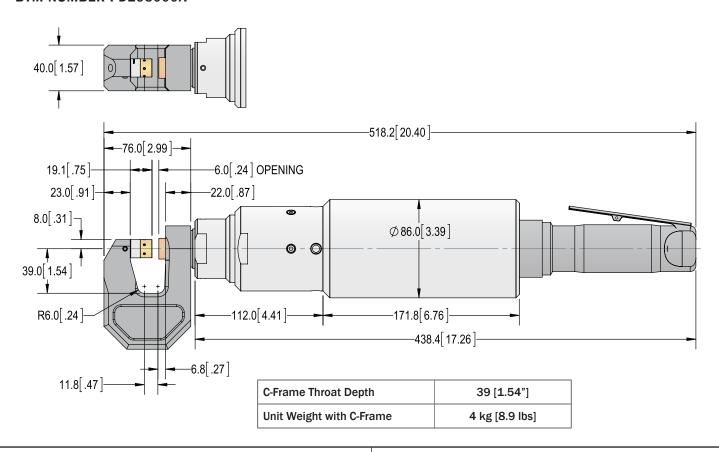
^{*}Tooling Not Included

Spring Balancer 3-5 kg [6.6-11 lbs] 052936



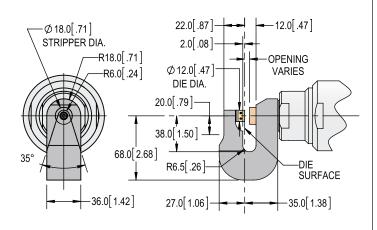
UNICLINCH & C-FRAME

BTM NUMBER PD295000A



UNICLINCH & C-FRAME

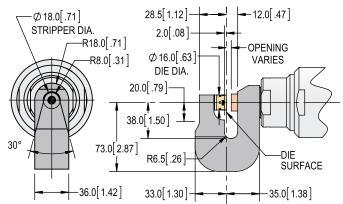
BTM NUMBER PD296000A (3.0 TOG-L-LOC® ONLY)



C-Frame Throat Depth	38.0 [1.50"]
Unit Weight with C-Frame	3.67 kg [8.1 lbs]

UNICLINCH & C-FRAME

BTM NUMBER PD296000B (3.8 & 4.6 TOG-L-LOC®)



C-Frame Throat Depth	38.0 [1.50"]
Unit Weight with C-Frame	3.86 kg [8.5 lbs]



COMPACT BATTERY CLINCH PRESS

(ULBG452)

The lightweight and easy-to-position Compact Battery Clinch Press is ideal for low volume sheet metal repair work and/or when utility electricity is not available.

The "C" frame can be rotated relative the trigger for easy selection of an ergonomic operating position.

The stroke is activated by one push button and the return is initiated automatically once a joint has been completed. The advance stroke can be interrupted at any time.

The units are powered by efficient lithium-ion rechargeable batteries but an optional AC power supply cable for all common voltage systems is available.

Up to 30,000 clinches can be made between service intervals. Contact BTM for more information.

A BATTERY OPERATED UNIT IS BEST WHEN:

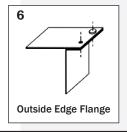
- An edge of a part is being joined.
- No access to a power source is available.
- A light-weight and ergonomic tool is desired.
- A high degree of mobility is required.

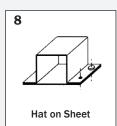


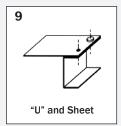
Opening	6mm [.25"]
Throat Depth	Varies with C-Frame
Trigger Type	Single
Battery Type	18V/1.5Ah Lithium-Ion
Charging Time	Approximately 30 Minutes
Press Force	45kN [5 Ton]
Cycle Time	Contact BTM
Unit Weight	Varies with C-Frame
Max. Combined Material Thickness	3mm [.12"]

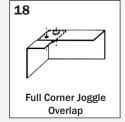
Clinch Joint Type	Round		
Tool Size(s)	3.0	3.8	4.6

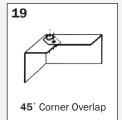
TYPICAL APPLICATIONS FOR A BATTERY CLINCH PRESS:

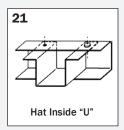












HOW TO ORDER



It is recommended that you **contact a BTM sales engineer** prior to purchasing a hand-held unit to determine the optimal tooling configuration for your application.

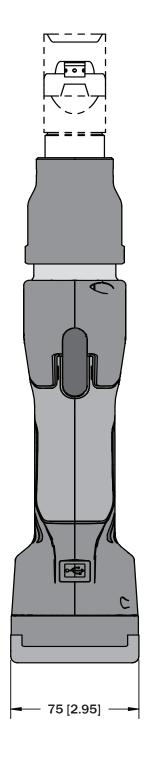
Contact BTM: +1.810.364.4567 | sales@btmcomp.com

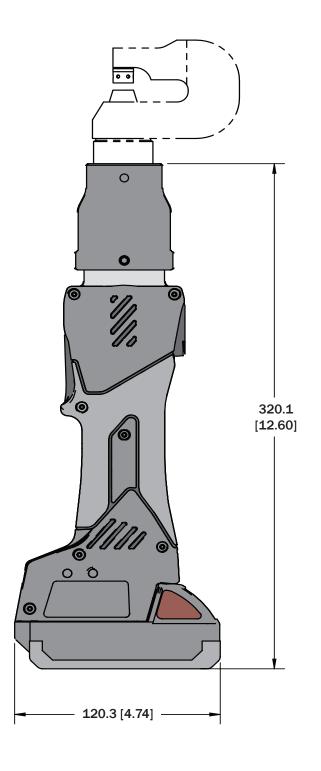
Compact Battery Unit:

- One Rechargeable Battery
- One Battery Charger Tooling Not Included



COMPACT BATTERY CLINCH PRESS (ULBG452)







BATTERY CLINCH PRESS

(ULBG602)

This Battery Clinch Press is powerful enough to make 5.5 size Tog-L-Loc® joints in most common sheet metal thicknesses.

The unit operates by a single push button, is lightweight, ergonomic and has a robust design suited for the construction site. This Battery Clinch Unit is ideal for low volume sheet metal repair work and/or when utility electricity is not available.

The "C" frame can be rotated relative the trigger for easy selection of an ergonomic operating position.

The units are powered by efficient lithium-ion rechargeable batteries but an optional AC power supply cable for all common voltage systems is available.

Up to 30,000 clinches can be made between service intervals. Contact BTM for more information.

A BATTERY OPERATED PRESS IS BEST WHEN:

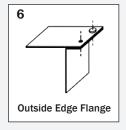
- An edge of a part is being joined.
- No access to a power source is available.
- A light-weight and ergonomic tool is desired.
- A high degree of mobility is required.

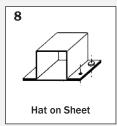


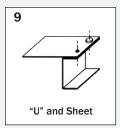
Opening	16mm [.63"]
Throat Depth	Varies per C-Frame
Trigger Type	Single
Battery Type	18V/3 Ah Lithium-lon
Charging Time	Approximately 45 Minutes
Press Force	60kN [6.5 Ton]
Cycle Time	Contact BTM
Unit Weight	Varies with C-Frame
Max. Combined Material Thickness	3mm [.12"]

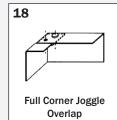
Clinch Joint Type		Rou	ınd	
Tool Size(s)	3.0	3.8	4.6	5.5

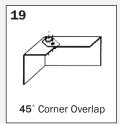
TYPICAL APPLICATIONS FOR A BATTERY CLINCH PRESS:

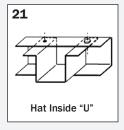












HOW TO ORDER



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Contact BTM: +1.810.364.4567 | sales@btmcomp.com

Battery Clinch Press Includes:

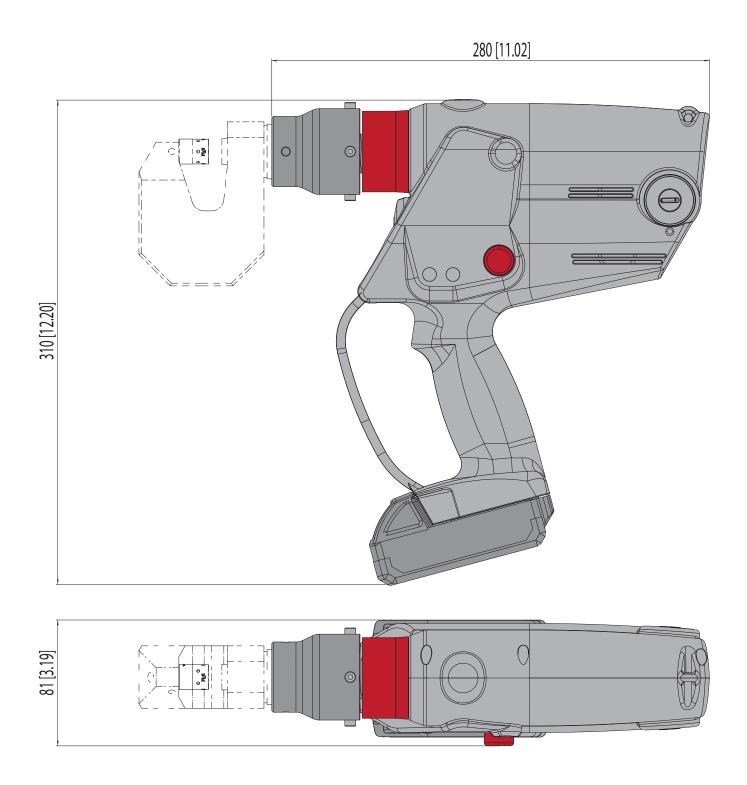
- One Rechargeable Battery
- One Battery Charger

Tooling Not Included



BATTERY CLINCH PRESS

(ULBG602)





DUROLOC7 PRESS

The Duroloc7 clinching press features easy to adjust shut height and interchangeable anvils. Shut height cartridges easily swap to accommodate required material thickness ranges. Interchangeable anvils accommodate a wider range of part cross sections. Duroloc7 units are sold separately or as a complete system including a hose and air/oil booster. Hangers and balancers are also available for assisting operator productivity.



- More tooling options are required.
- The part being joined has a small lip, or flange.





(Unit Shown with Optional 360 ° Hanger.)

Opening	6mm [.25"]
Throat Depth	38mm [1.50"]
Trigger Type	Single
Maximum Operating Pressure	345 BAR [5000 PSI]
Press Force	32kN [3.6 Ton]
Cycle Time	1 second
Unit Weight	5.6 kg [12.4 lbs]
Maximum Combined Material Thickness	2mm [.08"]

Clinch Joint Type	Ro	und
Tool Size(s)	3.8	4.6

TYPICAL APPLICATIONS FOR A DUROLOC7:



Overlap



Angle and Sheet



Angle and Sheet Sandwich



"T" and Sheet

OR



Outside Edge Flange



Hat on Sheet



Full Corner Joggle Overlap



45° Corner Overlap



Corner Joggle Overlap w/ Ret. Flange



Hat Inside "U"

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HOW TO ORDER



It is recommended that you **contact a BTM sales engineer** prior to purchasing a hand-held unit to determine the optimal tooling configuration for your application.

Call +1.810.364.4567, or email $\underline{sales@btmcomp.com}$ to request a quote!

Complete System

PD296200A

Includes:

- A Duroloc7 (PD281500A)
- 15cc Booster (PD238100A)
- 3 Meter Hose Assembly (711100C)

Tooling & Spring Balancer Not Included

Individual Unit

PD281500A

Tooling Not Included

Hose Assembly

3 Meter [10 Foot] Hose 711100C

Booster

15cc Booster (See page 14) PD238100A

Optional Rotation Hanger

360° Hanger (See page 20) PD281500J

OR

180° Hanger (See page 20) PD281500R

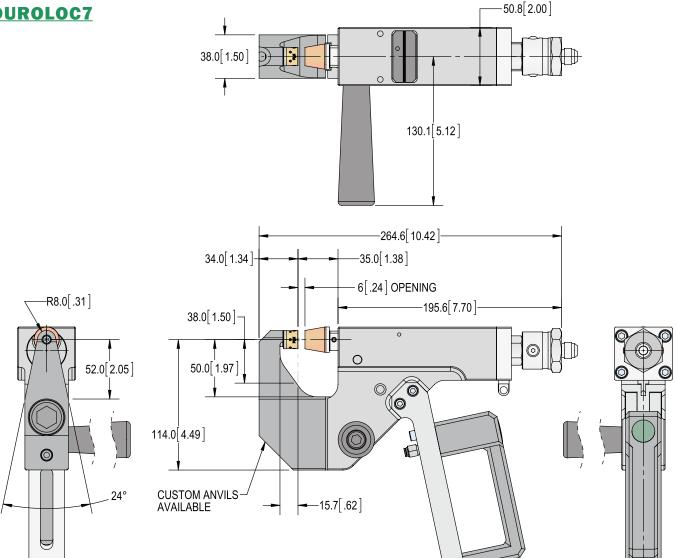
Balancer 6-10 kg [13.3-22 lbs] (Unit or Unit + 360° Hanger) 051898

Spring

OR

9-14 kg [20-30 lbs] (Unit + 180° Hanger) 024049

DUROLOC7

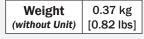


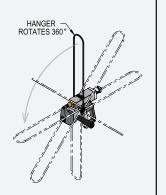
OPTIONAL ROTATION HANGERS



360° HANGER

This hanger allows a Duroloc7 to rotate a full 360° on a single axis.





180° HANGER

This hanger allows a Duroloc7 to rotate 180° on a single axis.

Weight 3.4 kg [7.5 lbs] (without Unit)

31.0[1.22]



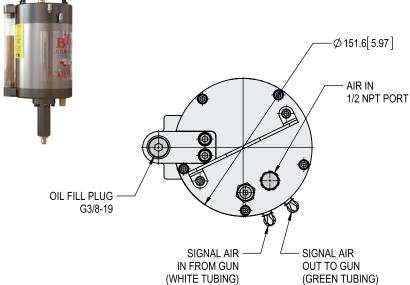


15CC AIR/OIL BOOSTER

A self-contained power package requires only one pneumatic supply line.

Booster Ratio	61:1
Weight (without hose)	8.2kg [18 lbs]
Maximum Output	337 BAR [4880 PSI] @ 5.5 BAR [80 PSI]





Air Pressure In	
BAR	PSI
2.8	40
3.4	50
4.1	60
4.8	70
5.5	80

Hydraulic Pressure Out		
BAR	PSI	
168	2440	
210	3050	
252	3660	
294	4270	
337	4880	
	BAR 168 210 252 294	

PRESS COMPATIBILITY



Duroloc7 (See page 12)

Ø 17.5[.69] 407.1[16.03] 9/16-18 37° FLARED FITTING

HOW TO ORDER

Call +1.810.364.4567, or email sales@btmcomp.com to request a quote!

DIM NOMBER	BTM	NUM	IBER
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PD238100A

Hose Assembly Not Included.

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7007 PRESS

These hydraulic hand operated presses are most commonly used for prototyping & small to medium production runs.

A standard 7007 is available in one of two different anvil styles The style of anvil required depends on the design of part being joined.

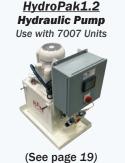
These units feature a dual handled design with two operation triggers. Both triggers must be pressed in order to open, close, and cycle the unit.

THE 7007 IS BEST WHEN:

- More force than booster units provide is required.
- A compact unit for easier positioning is needed.

Opening	M Anvil - 33mm [1.30"] N Anvil - 29.3mm [1.15"]
Stroke	M Anvil - 35mm [1.38"] N Anvil - 32mm [1.26"]
Peck Stroke	6mm [.25"]
Throat Depth	50mm [1.97"]
Trigger Type	Dual
Operating Pressure	175 BAR [2500 PSI]
Press Force	35kN [3.9 Ton]
Cycle Time	2 seconds
Unit Weight	11.3kg [25lbs]
Maximum Combined Material Thickness	4mm [.16"]

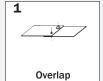




Clinch Joint Type			
Round Tool Sizes	3.0	3.8	4.6
Geo-Clinch® Tool Sizes*	TLO-3x6	LL-3.0	LL-3.8

^{*}Geo-Clinch® Units By Special Order. Contact BTM

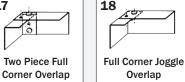
TYPICAL APPLICATIONS FOR A 7007:





17

Angle and Sheet









Flange

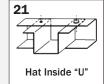






Square Tube and "U" and Sheet Sheet

12



HOW TO ORDER



It is recommended that you contact a BTM sales engineer prior to purchasing a hand-held unit to determine the optimal tooling configuration for your application.

Call +1.810.364.4567, or email sales@btmcomp.com to request a quote!

SEE PAGE 16 **Tooling Not Included**

Individual Unit

Hydraulic Pump

HydroPak1.2 (See page 19) PD366000A

Hose Assembly

6.1 Meter [20 Foot] PD377600A

Optional Gimbal Mount

Allows 360° Rotation On 3 Axis (See page 20) 700600G

Spring Balancer

9-14 kg [20-30 lb] (For 7007 Only) (See page 21) 024049

OR

13-17 kg [29-37 lb] (For 7007 + Gimbal Mount) 024050

7007 UNIT

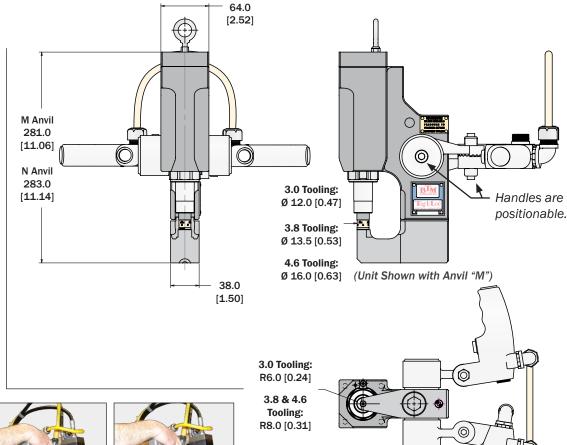
USING THE PRESS



Both triggers must be depressed to close the unit and operate the peck cycle.



The peck cycle feature allows joints to be created faster.

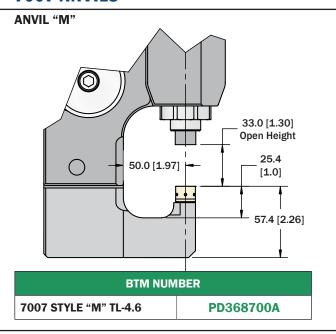


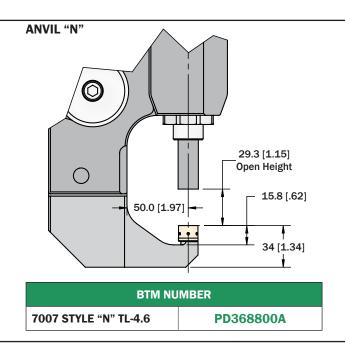






7007 ANVILS





HEAVY DUTY 7007 PRESS

These hydraulic hand operated presses are most commonly used for prototyping & small to medium production runs.

A standard Heavy Duty 7007 Press is available in one of two different anvil styles The style of anvil required depends on the design of part being joined.

This unit is designed to operate with 5.5 size tooling.

THE HEAVY DUTY 7007 IS BEST WHEN:

- 5.5 size round tooling is required.
- More force is needed than the 7007 provides.

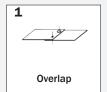
Opening	33.8mm [1.33"]
Stroke	35.0mm [1.38"]
Peck Stroke	6mm [.25"]
Throat Depth	75mm [2.95"]
Trigger Type	Dual
Operating Pressure	175 BAR [2500 PSI]
Press Force	54kN [6.1 Ton]
Cycle Time	2 sec.
Unit Weight	22-24kg [49-53lbs]
Maximum Combined Material Thickness	5.5mm [0.22"]



Clinch Joint Type		
Round Tool Sizes	5	.5
Geo-Clinch® Tool Sizes*	TLO-4x8	LL-4.6

^{*}Geo-Clinch® Units By Special Order. Contact BTM

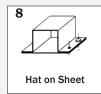
TYPICAL APPLICATIONS FOR A 7007 UNIT:



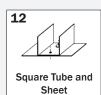










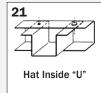












HOW TO ORDER



It is recommended that you **contact a BTM sales engineer** prior to purchasing a hand-held unit to determine the optimal tooling configuration for your application.

Call +1.810.364.4567, or email sales@btmcomp.com to request a quote!

SEE PAGE 18

Individual Unit

Tooling Not Included

Hydraulic Pump

HydroPak1.2 (See page 19) PD366000A **Hose Assembly**

6.1 Meter [20 Foot] PD377600A Optional Gimbal Mount

Allows 360° Rotation On 3 Axis (See page 20) 792100G

Spring Balancer

20-30 kg [44-66 lb] (For Heavy Duty 7007 Only) (See page 21) 025900

OR

30-45 kg [66-99 lb] (For Heavy Duty 7007 + Gimbal) 034426



HEAVY DUTY 7007 UNIT

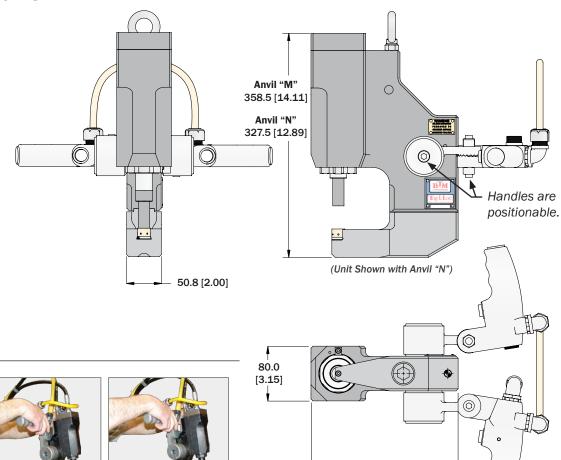
USING THE PRESS



Both triggers must be depressed to close the unit and operate the peck cycle.



The peck cycle feature allows joints to be created faster.

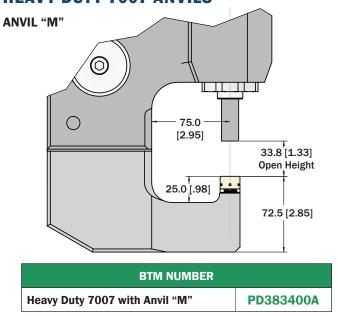


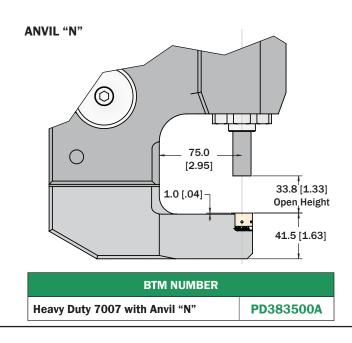




(Standard 7007 Unit Shown)

HEAVY DUTY 7007 ANVILS





215.0 [8.46]



HYDROPAK1.2 HYDRAULIC PUMP

The BTM HydroPak 1.2 Power supply unit provides both reliable hydraulic pressure and safe and effective two hand, anti-tie down logic control of the clinch unit's trigger switches by utilizing a touch screen PLC.

The unit is equipped with a 1hp motor, 5 GPM 2 stage pump, 15 gallon oil tank and oil cooler for operation at higher ambient temperatures. The unit will automatically shut off after a period on non-use.

Flow Rate	9.5 LPM @ 45 BAR [2.5 GPM @ 650 PSI] 2.3 LPM @ 172 BAR [0.6 GPM @ 2500 PSI]
Motor Size	1.5 HP
Electrical Supply	120 volt 60 HZ single phase 16 amp
Power Consumption	1920 watts
Maximum Pressure	207 BAR [3000 PSI]
Working Pressure	45/172 BAR [650/2500 PSI]
Tank Capacity	38 Liters [10 Gallons]
Weight Without Oil	128 kg [282 lbs]



HOW TO ORDER

Call +1.810.364.4567, or email sales@btmcomp.com to request a quote!

HYDROPAK1.2 BTM NUMBER	
PD366000A	

HydroPak1.2 7007 Hose Assemblies Are Sold Seperately.

HYDROPAK1.2 HYDRAULIC HOSE ASSEMBLY

HYDROPAK1.2 HYDRAULIC HOSE ASSEMBLIES	BTM NUMBER
6.1 Meter [20 Foot] Assembly (Includes four fittings, one 20ft electrical cord, and two 20 ft. hydraulic hoses)	PD377600A

UNIT COMPATIBILITY



<u>7007</u> (See page 15)



Heavy Duty 7007 (See page 17)



OPTIONAL EQUIPMENT

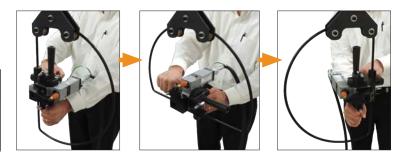
DUROLOC7 180° ROTATION HANGER

This hanger allows a Duroloc7 to rotate 180° on a single axis.

Call +1.810.364.4567,

or email sales@btmcomp.com to request a quote!

Unit Compatibility	Weight (without Unit)	BTM NUMBER
Duroloc7 (See page 12)	3.4 kg [7.5 lbs]	PD281500R



DUROLOC7 360° HANGER

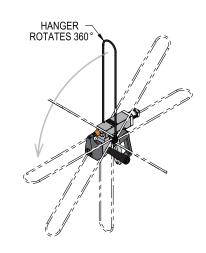
This hanger allows a Duroloc7 Unit to rotate a full 360° on a single axis.

Call +1.810.364.4567,

or email sales@btmcomp.com to request a quote!

Unit Compatibility	Weight (without Unit)	BTM NUMBER
Duroloc7 (See page 12)	0.37 kg [0.82 lbs]	PD281500J





7007 UNIT 360° GIMBAL MOUNT

This Gimbal Mount allows a 7007 to rotate a full 360 $^{\circ}$ on three axes.

Call +1.810.364.4567.

or email sales@btmcomp.com to request a quote!

Unit Compatibility	Weight (without Unit)	BTM NUMBER
7007 Units [PD368700A or PD368800A] (See page 15)	3.3 kg [7.2 lbs]	700600G
Heavy Duty 7007 Units [PD383400A or PD383500A] (See page 17)	5.3 kg [11.8 lbs]	792100G





SPRING BALANCERS

A spring-actuated balancer with an external adjustment to quickly and easily set the correct tension. Each balancer includes a mounting hook that rotates 360°.

Call +1.810.364.4567, or email sales@btmcomp.com to request a quote!



Picture shows one type of spring balancer. Actual balancer may vary depending on weight range.

Weight Range	BTM NUMBER
2.6-3.8 kg [5.73-8.38 lbs]	052945
3-5 kg [6.6-11 lbs]	052936
4-7 kg [10-15 lbs]	052937
6-10 kg [13.3-22 lbs]	051898
9-14 kg [20-30 lbs]	024049
13-17 kg [29-37 lbs]	024050
20-30 kg [44-66 lbs]	025900
30-45 kg [66-99 lbs]	034426



BTM Offers a Range of Production Equipment for Applying our Clinch Tooling.

Hand-Held Presses



BTM Hand-Held Presses are an economical approach to fastening sheet metal assemblies. Pneumatic, Hydraulic, and Self-Contained Units in a variety of styles are available. The units can be set up to join a range of thicknesses.

Die Sets



Clinch tooling can be inexpensively designed into single or compound motion die set packages.

Floor & Bench Presses



BTM offers a full line of Single Point Clinching Presses that easily adapt to join a variety of parts and a range of metal thicknesses.

Special Fixtures



Manually loaded and unloaded dedicated tooling can be built for a single part or a family of parts.

Specialized Units



BTM provides Pneumatic, Hydraulic, Air/ Oil, and Electrically Driven units with single or dual motions for both stationary and robotic applications.

Special Systems



Achieve faster cycle times with automatic part transfer and by combining processes.

For more information, or to see our full line of products, please visit:

BTMCOMP.COM