

Hand-Held Clinching Presses

Manually Positioned Units for Clinching Sheet Metal Parts

> PNEUMATIC



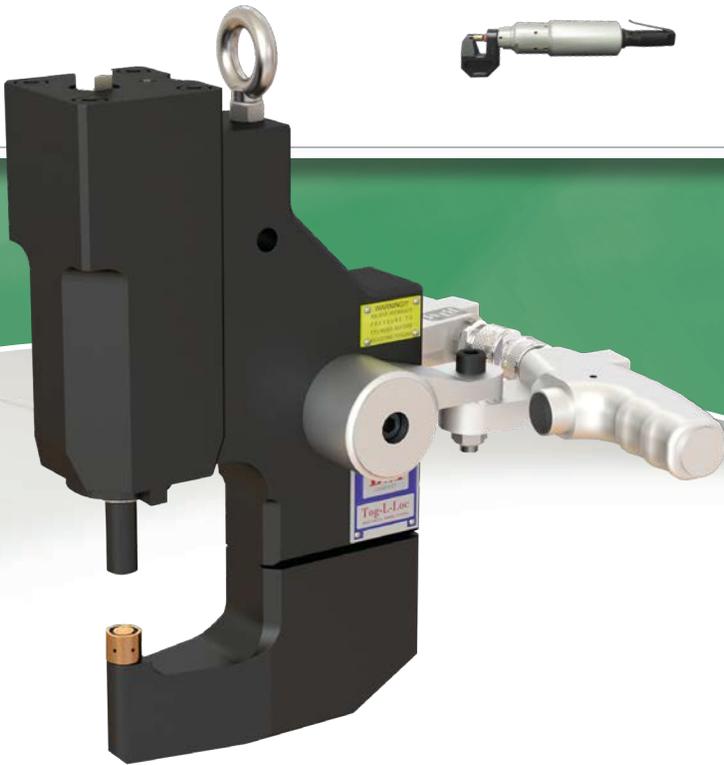
> BATTERY



> AIR/OIL



> HYDRAULIC

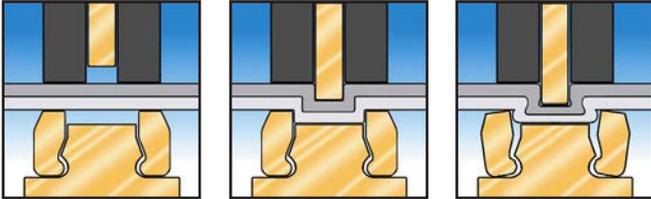


BTM[®]

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

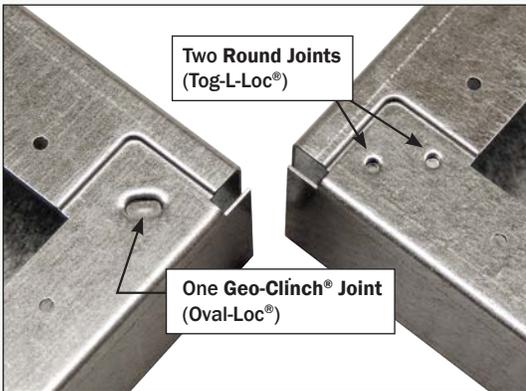
The punch draws the material into the die.

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	
	 Tog-L-Loc[®]	 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 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.

©2025 BTM Company, L.L.C. All related logos, product names, icons, designs, products, and services shown herein are among the trademarks owned by BTM Company, L.L.C. Copyrights and trademarks of BTM Company, L.L.C., BTM Europe, BTM Scandinavia AB, or other affiliates are the property of their respective owners. All rights are reserved.

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.

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]

* 4.6 Tooling- Some Limitations Apply. Contact BTM.

BATTERY POWERED PRESSES			
Compact Battery Clinch Press		Battery Clinch Press	
	See PAGE 8-9 For More Information		See PAGE 10-11 For More Information
Clinch Joint Type	Round	Clinch Joint Type	Round
Tool Sizes	3.0, 3.8, 4.6	Tool Sizes	3.0, 3.8, 4.6, 5.5
Max. Combined Material Thickness	3mm [.12"]	Max. Combined Material Thickness	3mm [.12"]
Opening	6mm [.25"]	Opening	16mm [.63"]
Throat Depth	Varies per C-Frame	Throat Depth	Varies per C-Frame
Trigger Type	Single	Trigger Type	Single
Battery Type	18V/1.5Ah Lithium-Ion	Battery Type	18V/3 Ah Lithium-Ion
Charging Time	Approximately 30 Minutes	Charging Time	Approximately 45 Minutes
Press Force	45kN [5 Ton]	Press Force	60kN [6.5 Ton]
Cycle Time	Contact BTM	Cycle Time	Contact BTM
Unit Weight	Varies with C-Frame	Unit Weight	Varies with C-Frame

AIR/OIL BOOSTER POWERED PRESSES

Duroloc7



See
**PAGE
12-13**
For More Information

Clinch Joint Type	Round
Tool Sizes	3.8, 4.6
Max. Combined Material Thickness	2mm [.08"]
Opening	6mm [.25"]
Throat Depth	38mm [1.50"]
Trigger Type	Single
Max. Operating Pressure	345 BAR [5000 PSI]
Press Force	32kN [3.6 Ton]
Cycle Time	1 second
Unit Weight	5.6 kg [12.4 lbs]

Air/Oil Booster



See
**PAGE
14**
For More Information

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

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]

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

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® 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]

OPTIONAL EQUIPMENT

Rotation Mounts



Duroloc7



7007 Press

See
PAGE 20
For More Information

Spring Balancers



See
PAGE 21
For More Information

ORDERING AND PRODUCT QUESTIONS

Global Sales Support Teams
Global Operation

See
**Back
Cover**
For More Information

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.



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"]

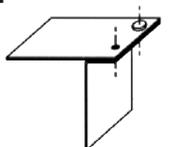
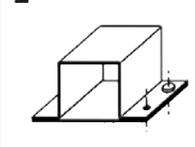
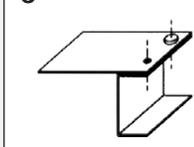
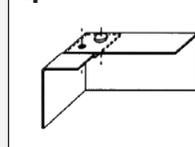
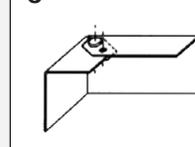
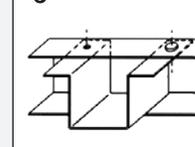
Clinch Joint Type	Round		
Tool Size(s)	3.0	3.8	4.6*

* 4.6 Tooling- Some Limitations Apply. Contact BTM.

THE UNICLINCH IS BEST WHEN:

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

EXAMPLE CLINCHING APPLICATIONS

1  Outside Edge Flange	2  Hat on Sheet	3  "U" and Sheet	4  Full Corner Joggle Overlap	5  45° Corner Overlap	6  Hat inside "U"
---	---	--	---	---	---

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.

To request a quote or place an order, please refer to BTM Global Operations Sales Support on the last page of this catalog.

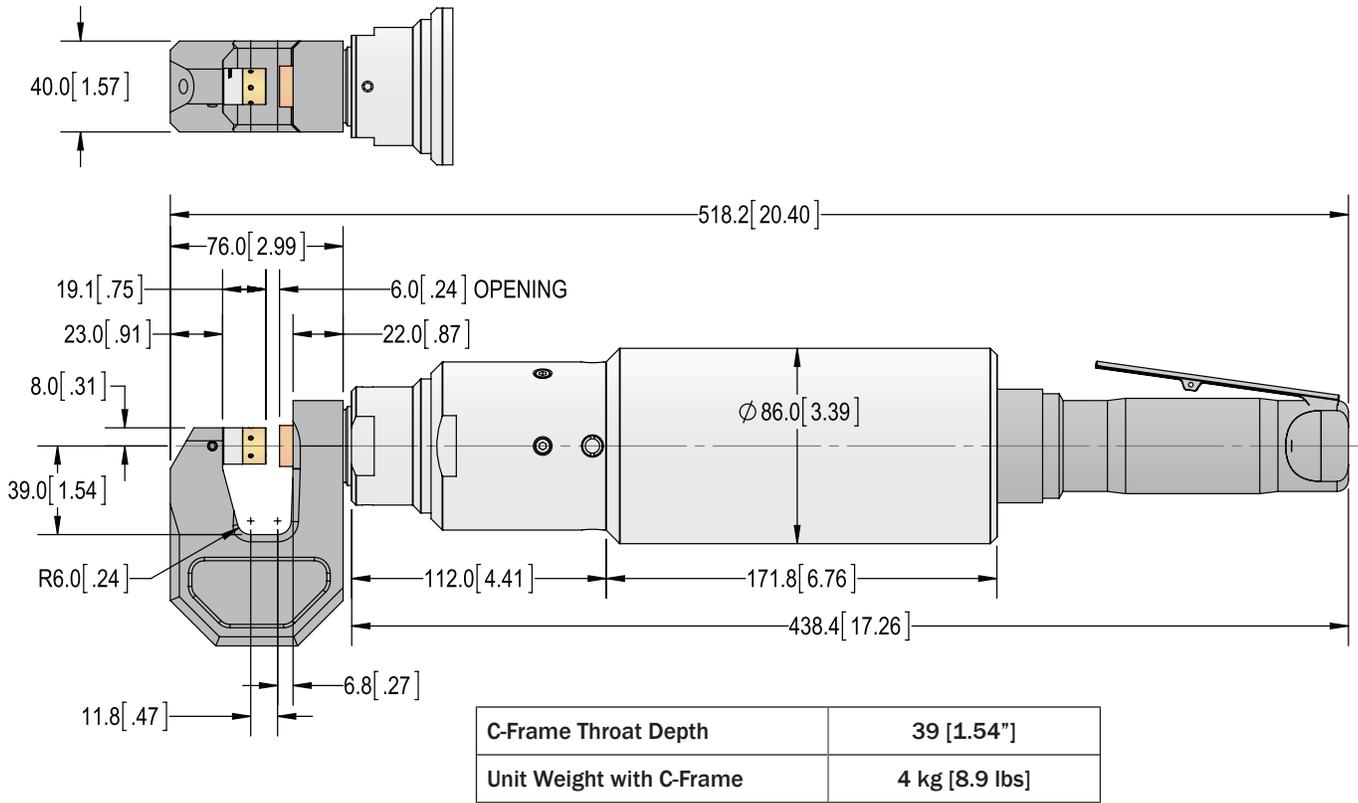
UniClinch with C-Frame* PD295000A OR PD296000A OR PD296000B
--

*Tooling Not Included

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

UNICLINCH & C-FRAME

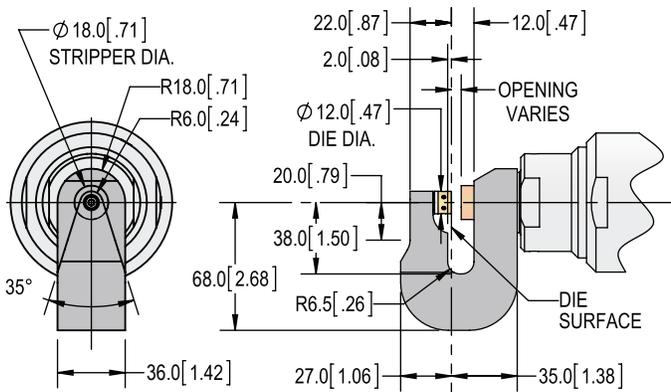
BTM NUMBER PD295000A



UNICLINCH & C-FRAME

BTM NUMBER PD296000A

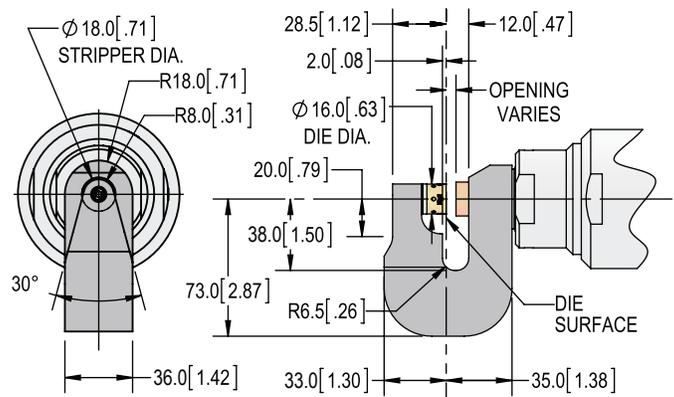
(3.0 TOG-L-LOC® ONLY)



UNICLINCH & C-FRAME

BTM NUMBER PD296000B

(3.8 & 4.6 TOG-L-LOC®)



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

EXAMPLE CLINCHING APPLICATIONS:

<p>1</p> <p>Outside Edge Flange</p>	<p>2</p> <p>Hat on Sheet</p>	<p>3</p> <p>“U” and Sheet</p>	<p>4</p> <p>Full Corner Joggle Overlap</p>	<p>5</p> <p>45° Corner Overlap</p>	<p>6</p> <p>Hat Inside “U”</p>
--	-------------------------------------	--------------------------------------	---	---	---------------------------------------

HOW TO ORDER

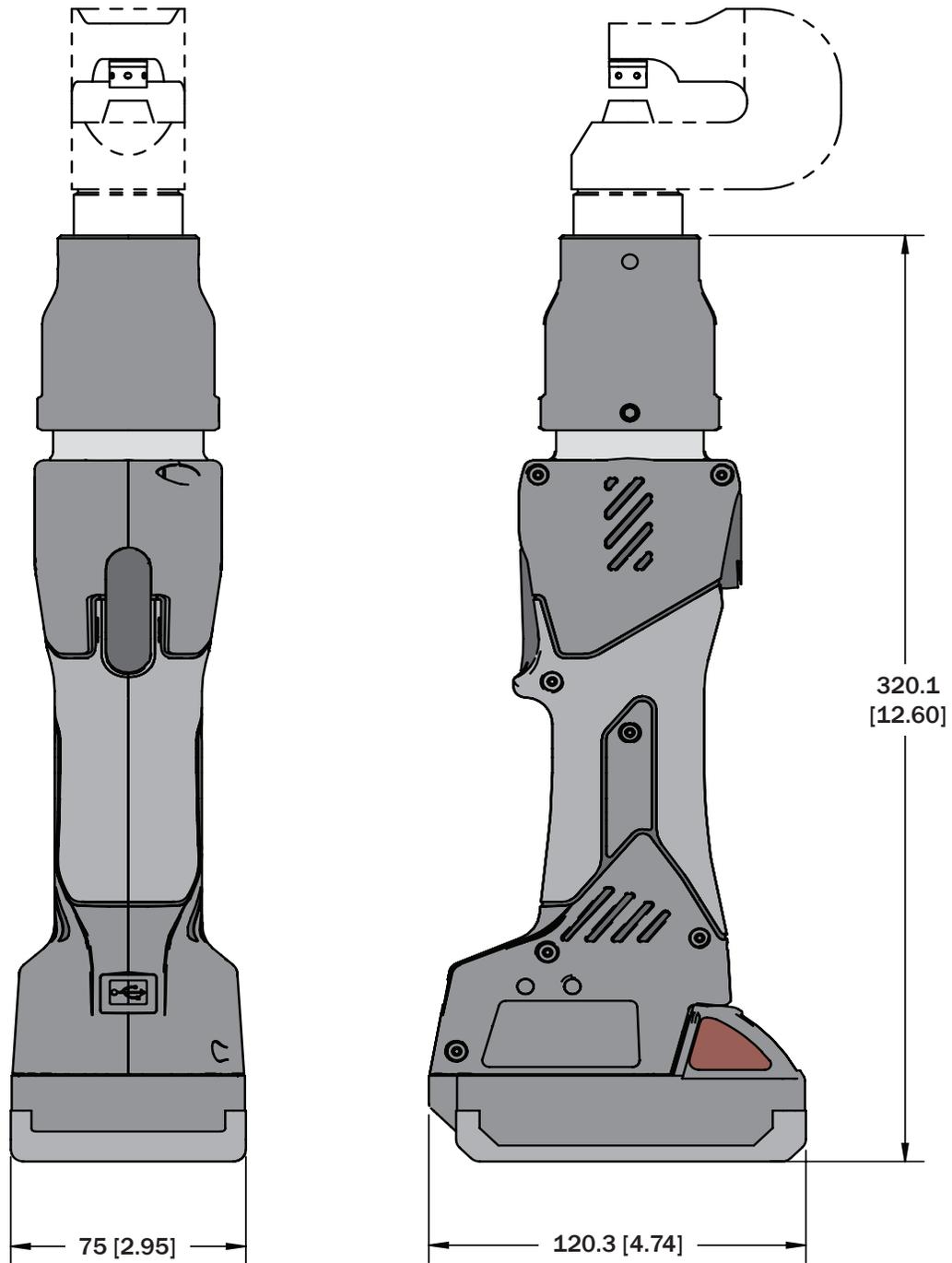


It is recommended that you **contact a BTM sales engineer** prior to purchasing a hand-held unit to determine the optimal tooling configuration for your application.

Battery Clinch Press Includes:

- One Rechargeable Battery
 - One Battery Charger
- Tooling Not Included*

To request a quote or place an order, please refer to BTM Global Operations Sales Support on the last page of this catalog.

**COMPACT BATTERY CLINCH PRESS
(ULBG452)**

BATTERY CLINCH PRESS (ULBG602)

This Battery Clinch Press is powerful enough to make 5.5 size Tog-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.*

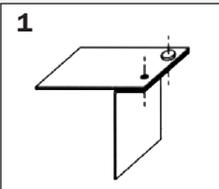
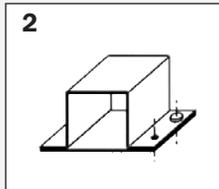
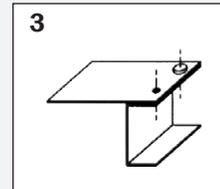
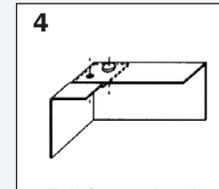
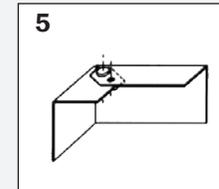
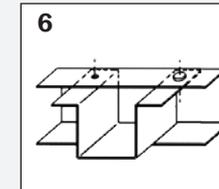


Head rotates 360°

Opening	16mm [.63"]
Throat Depth	Varies per C-Frame
Trigger Type	Single
Battery Type	18V/3 Ah Lithium-Ion
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	Round			
	3.0	3.8	4.6	5.5

EXAMPLE CLINCHING APPLICATIONS:

1  Outside Edge Flange	2  Hat on Sheet	3  “U” and Sheet	4  Full Corner Joggle Overlap	5  45° Corner Overlap	6  Hat Inside “U”
---	---	--	---	---	---

HOW TO ORDER

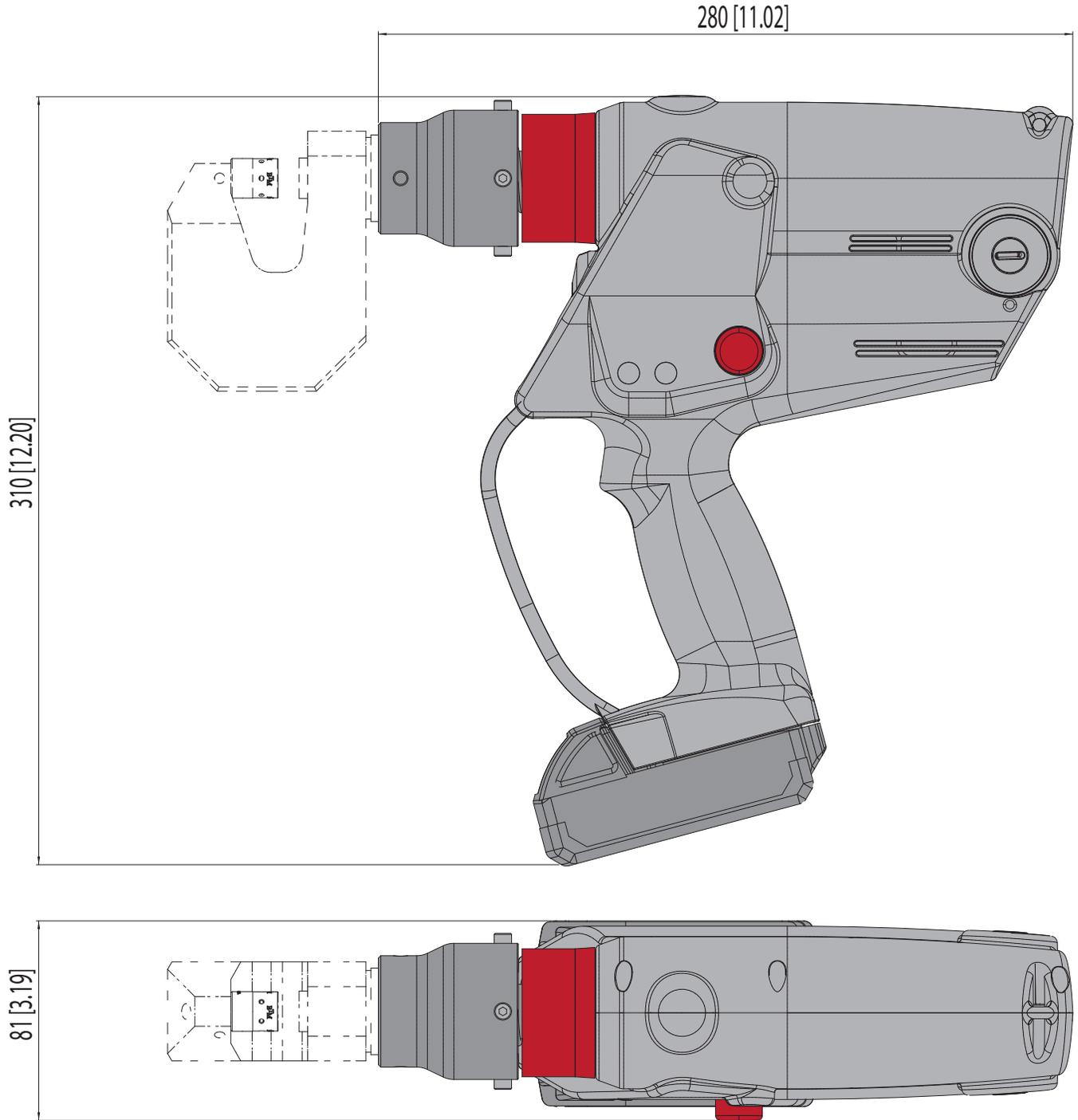


It is recommended that you **contact a BTM sales engineer** prior to purchasing a hand-held unit to determine the optimal tooling configuration for your application.

Battery Clinch Press Includes:

- One Rechargeable Battery
 - One Battery Charger
- Tooling Not Included*

To request a quote or place an order, please refer to BTM Global Operations Sales Support on the last page of this catalog.

**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.

A DUROLOC7 IS BEST WHEN:

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



(Unit Shown with Optional 360° Hanger.)

15cc Booster
Use with Duroloc7 Units



(See page 15)

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	Round	
Tool Size(s)	3.8	4.6

EXAMPLE CLINCHING APPLICATIONS:

1  Overlap	2  Angle and Sheet	3  Angle and Sheet Sandwich	4  "T" and Sheet	5  Outside Edge Flange	6  Hat on Sheet	7  Full Corner Joggle Overlap	8  45° Corner Overlap	9  Corner Joggle Overlap w/ Ret. Flange	10  Hat Inside "U"
--	---	--	---	---	--	--	--	--	---

HOW TO ORDER

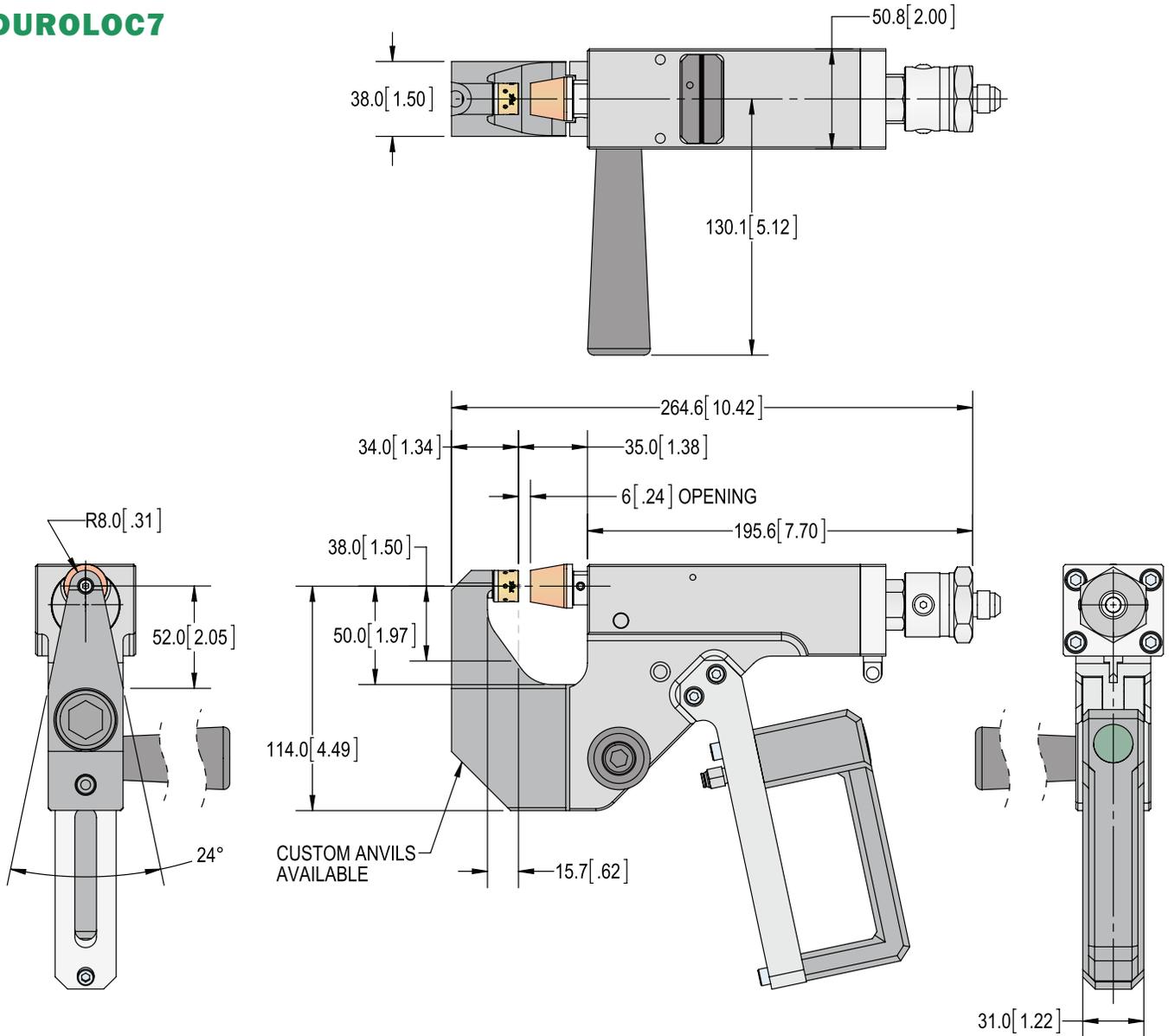


It is recommended that you contact a BTM sales engineer prior to purchasing a hand-held unit to determine the optimal tooling configuration for your application.

To request a quote or place an order, please refer to BTM Global Operations Sales Support on the last page of this catalog.

Complete System PD296200A Includes: <ul style="list-style-type: none"> • A Duroloc7 (PD281500A) • 15cc Booster (PD238100A) • 3 Meter Hose Assembly (711100C) <i>Tooling & Spring Balancer Not Included</i>	OR	Individual Unit PD281500A <i>Tooling Not Included</i>	Hose Assembly 3 Meter [10 Foot] Hose 711100C	Booster 15cc Booster <i>(See page 14)</i> PD238100A	Optional Rotation Hanger 360° Hanger <i>(See page 20)</i> PD281500J	Spring Balancer 6-10 kg [13.3-22 lbs] <i>(Unit or Unit + 360° Hanger)</i> 051898
					OR	OR
					180° Hanger <i>(See page 20)</i> PD281500R	9-14 kg [20-30 lbs] <i>(Unit + 180° Hanger)</i> 024049

DUROLOC7

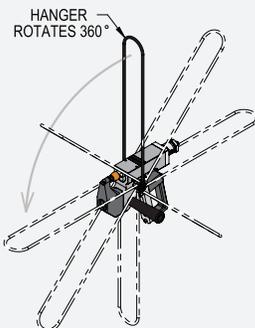


OPTIONAL ROTATION HANGERS

(See page 20)

360° HANGER

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

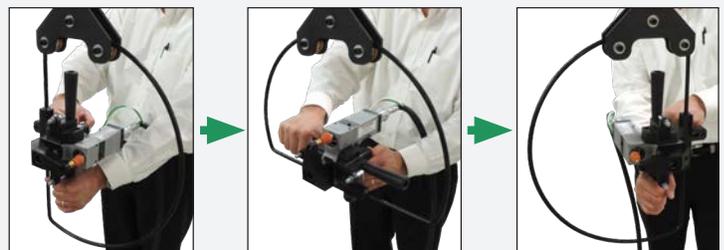


Weight (without Unit)	0.37 kg [0.82 lbs]
---------------------------------	------------------------------

180° HANGER

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

Weight (without Unit)	3.4 kg [7.5 lbs]
---------------------------------	-------------------------

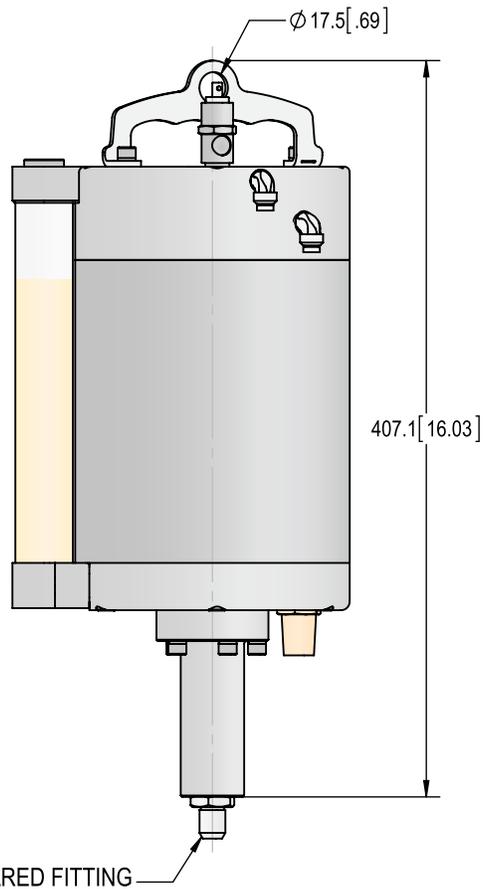
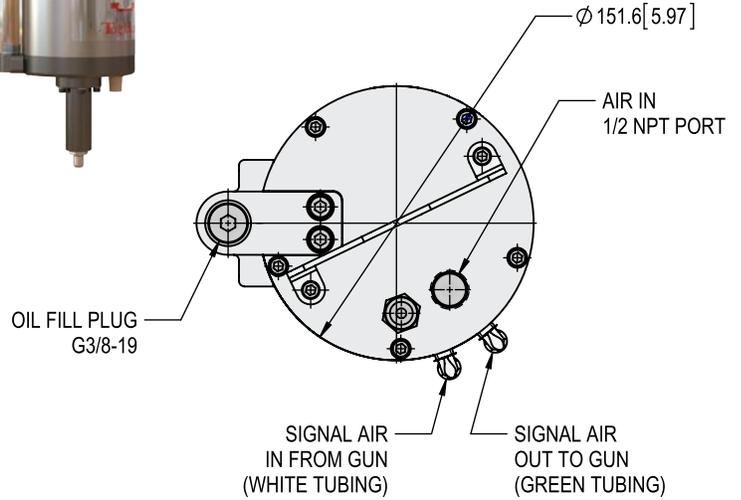


15CC AIR/OIL BOOSTER

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		Hydraulic Pressure Out	
BAR	PSI	BAR	PSI
2.8	40	168	2440
3.4	50	210	3050
4.1	60	252	3660
4.8	70	294	4270
5.5	80	337	4880



PRESS COMPATIBILITY



Duroloc7
(See page 12)

HOW TO ORDER

To request a quote or place an order, please refer to BTM Global Operations Sales Support on the last page of this catalog.

BTM NUMBER
PD238100A

Hose Assembly Not Included.

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"]



HydroPak1.2 Hydraulic Pump
Use with 7007 Units

(See page 19)

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

EXAMPLE CLINCHING APPLICATIONS:

1 Overlap	2 Angle and Sheet	3 "T" and Sheet	4 Outside Edge Flange	5 Hat on Sheet	6 "U" and Sheet	7 Square Tube and Sheet
8 Two Piece Full Corner Overlap	9 Full Corner Joggle Overlap	10 45° Corner Overlap	11 Corner Joggle Overlap w/ Ret. Flange	12 Hat Inside "U"		

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.

To request a quote or place an order, please refer to BTM Global Operations Sales Support on the last page of this catalog.

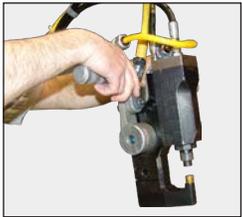
Individual Unit	Hydraulic Pump	Hose Assembly	Optional Gimbal Mount	Spring Balancer
SEE PAGE 16 <i>Tooling Not Included</i>	HydroPak1.2 (See page 19) PD366000A	6.1 Meter [20 Foot] PD377600A	Allows 360° Rotation On 3 Axis (See page 20) 700600G	9-14 kg [20-30 lb] (For 7007 Only) (See page 21) 024049
				OR
				13-17 kg [29-37 lb] (For 7007 + Gimbal Mount) 024050

7007 UNIT

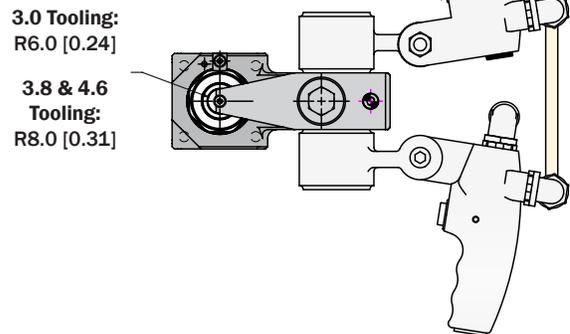
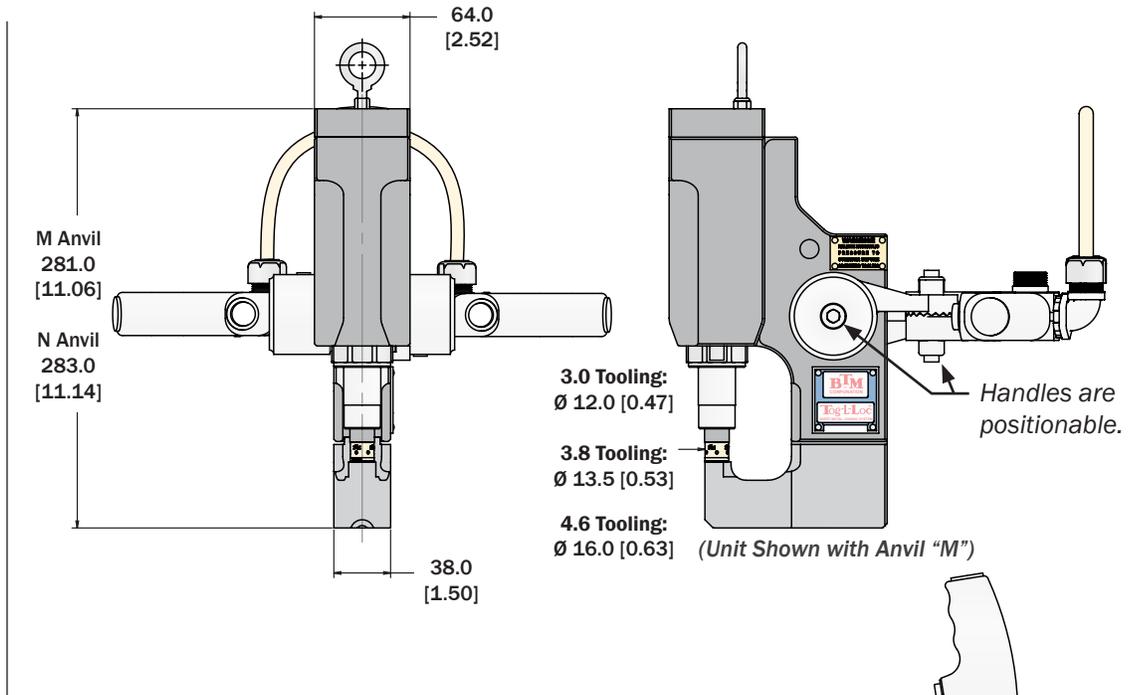
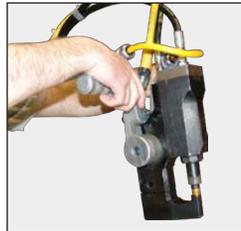
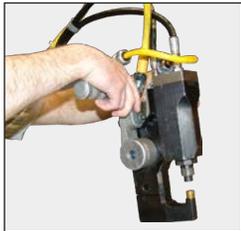
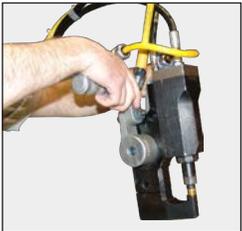
USING THE PRESS



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

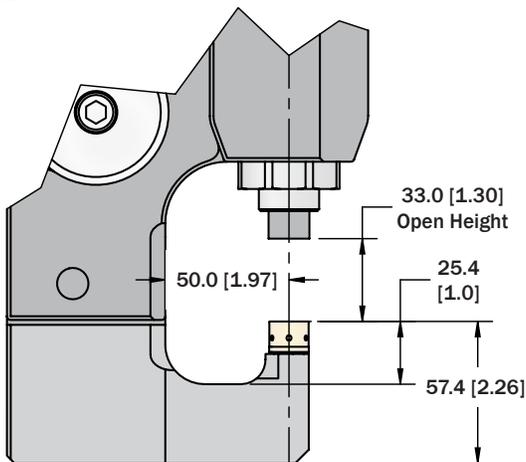


The peck cycle feature allows joints to be created faster.



7007 ANVILS

ANVIL "M"

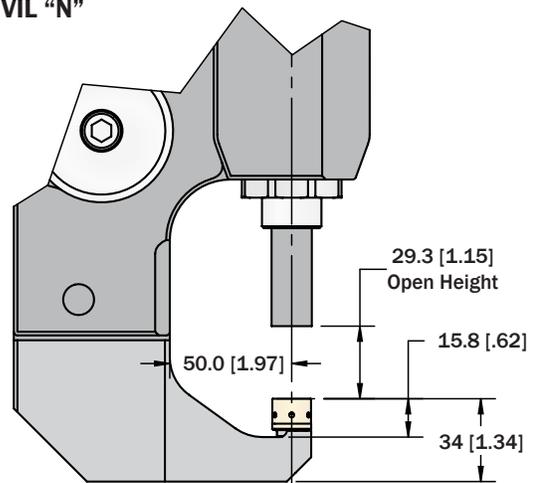


BTM NUMBER

7007 STYLE "M" TL-4.6

PD368700A

ANVIL "N"



BTM NUMBER

7007 STYLE "N" TL-4.6

PD368800A

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"]



HydroPak1.2 Hydraulic Pump
Use with all 7007 Units



(See page 17)

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

EXAMPLE CLINCHING APPLICATIONS:

<p>1</p> <p>Overlap</p>	<p>2</p> <p>Angle and Sheet</p>	<p>3</p> <p>"T" and Sheet</p>	<p>4</p> <p>Outside Edge Flange</p>	<p>5</p> <p>Hat on Sheet</p>	<p>6</p> <p>"U" and Sheet</p>	<p>7</p> <p>Square Tube and Sheet</p>
<p>8</p> <p>Two Piece Full Corner Overlap</p>	<p>9</p> <p>Full Corner Joggle Overlap</p>	<p>10</p> <p>45° Corner Overlap</p>	<p>11</p> <p>Corner Joggle Overlap w/ Ret. Flange</p>	<p>12</p> <p>Hat Inside "U"</p>		

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.

To request a quote or place an order, please refer to BTM Global Operations Sales Support on the last page of this catalog.

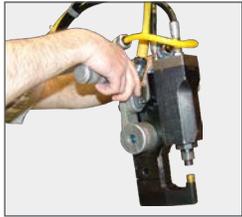
<p>Individual Unit</p> <p>SEE PAGE 18</p> <p><i>Tooling Not Included</i></p>	<p>Hydraulic Pump</p> <p>HydroPak1.2 (See page 19) PD366000A</p>	<p>Hose Assembly</p> <p>6.1 Meter [20 Foot] PD377600A</p>	<p>Optional Gimbal Mount</p> <p>Allows 360° Rotation On 3 Axis (See page 20) 792100G</p>	<p>Spring Balancer</p> <p>20-30 kg [44-66 lb] (For Heavy Duty 7007 Only) (See page 21) 025900</p> <p>OR</p> <p>30-45 kg [66-99 lb] (For Heavy Duty 7007 + Gimbal) 034426</p>
--	---	--	--	--

HEAVY DUTY 7007 UNIT

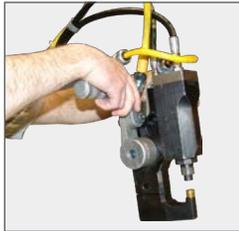
USING THE PRESS



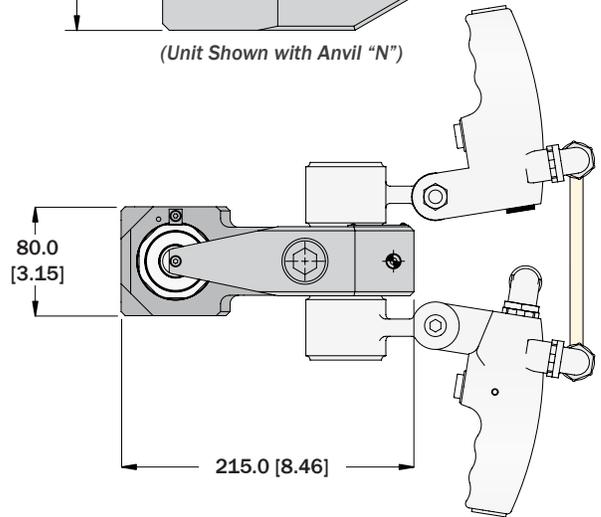
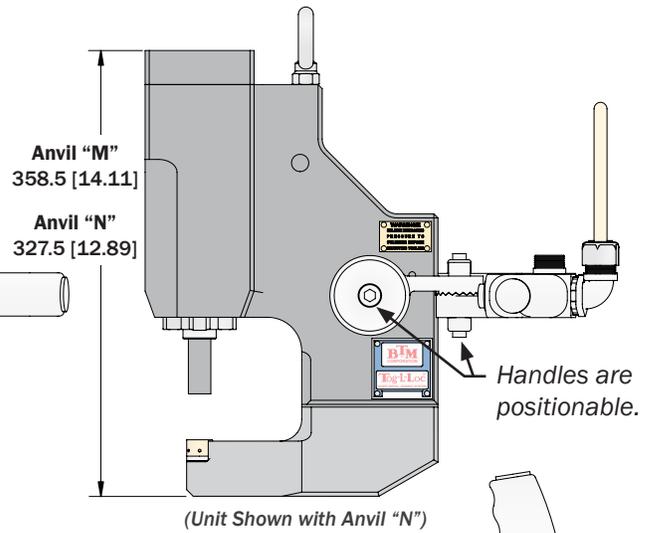
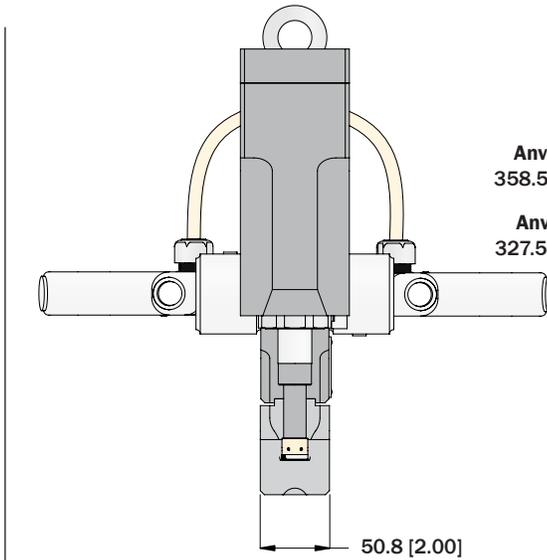
Both triggers must be depressed to close the unit and operate the peck cycle.



The peck cycle feature allows joints to be created faster.

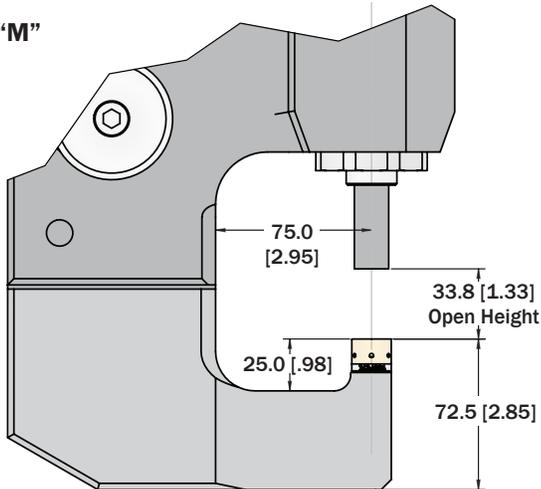


(Standard 7007 Unit Shown)



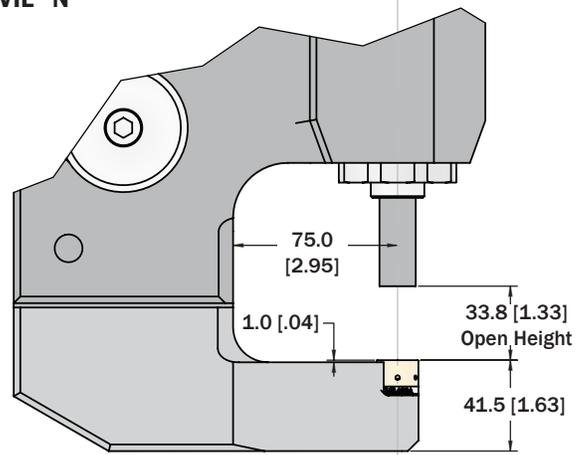
HEAVY DUTY 7007 ANVILS

ANVIL "M"



BTM NUMBER	
Heavy Duty 7007 with Anvil "M"	PD383400A

ANVIL "N"



BTM NUMBER	
Heavy Duty 7007 with Anvil "N"	PD383500A

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 1.0hp motor, 2 stage pump, 10 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	1.0 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

To request a quote or place an order, please refer to BTM Global Operations Sales Support on the last page of this catalog.

HYDROPAK1.2 BTM NUMBER

PD366000A

HydroPak1.2 7007 Hose Assemblies Are Sold Separately.

HYDROPAK1.2 HYDRAULIC HOSE ASSEMBLY

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

UNIT COMPATIBILITY



7007
(See page 15)



Heavy Duty 7007
(See page 17)

OPTIONAL EQUIPMENT

To request a quote or place an order, please refer to BTM Global Operations Sales Support on the last page of this catalog.

DUROLOC7 180° ROTATION HANGER

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

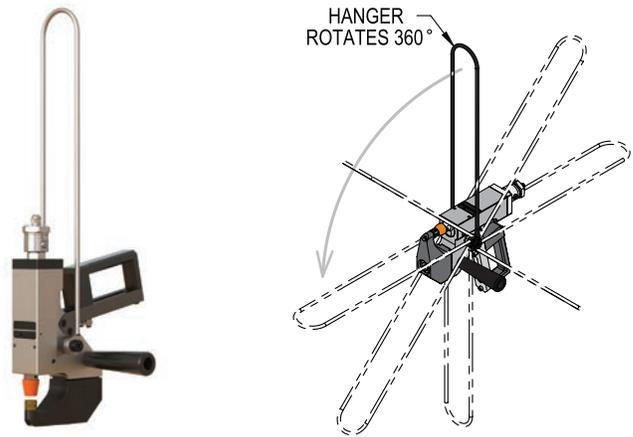


Unit Compatibility	Weight (without Unit)	BTM NUMBER
Duroloc7 (See page 12)	3.4 kg [7.5 lbs]	PD281500R

DUROLOC7 360° HANGER

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

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° on three axes.

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

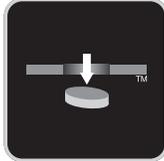
A spring-actuated balancer with an external adjustment to quickly and easily set the correct tension. Each balancer includes a mounting hook that rotates 360°.



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

CONTACT YOUR LOCAL BTM SALES TEAM FOR SUPPORT



Clinching | Clinch Tooling | Clinching, Piercing & Fastener Equipment | Presses & Press Units | Work Holding

LOCAL		
Customer Relationships & Project Support		
LOCAL Application Expertise Supported By Globally Shared Expertise	LOCAL Engineering & Manufacturing For Project Specific Content	LOCAL After-Sales Support Leveraged For Global Coverage
GLOBAL		
Shared Research & Technology Development		
GLOBAL		
Manufacturing For Scale Optimized Content		



BTM[®]
COMPANY

USA | CANADA

Global Headquarters
 btmcomp.com
 sales@btmcomp.com
 +1.810.364.4567

BTM[®]
EUROPE

btm-europe.de
 info@btm-europe.de
 Head Office: +49 2943 9790-0
 Branch Office: +49 7841 68136-0

BTM[®]
KOREA

btmkorea.com
 betem@btmkorea.com
 +82 31 477 4202

BTM[®]
MEXICO

btmcomp.com
 salesmx@btmcomp.com
 +52 442 341 5601

BTM[®]
SCANDINAVIA AB

btmscand.se
 btm@btmscand.se
 +46 480-868 75

HR Hawker
Richardson

AUSTRALASIA
 hawkerrichardson.com.au
 web@hrltd.com.au
 +61 1300 36 00 31

HERON[®]
CHINA

heronwelder.com
 bill@heronwelder.com
 +86 136 02866179

GPTECH

SOUTH AMERICA
 gptech.ind.br
 contato@gptech.ind.br
 +5547 3425 8716

FOR REST OF WORLD, CONTACT BTM COMPANY