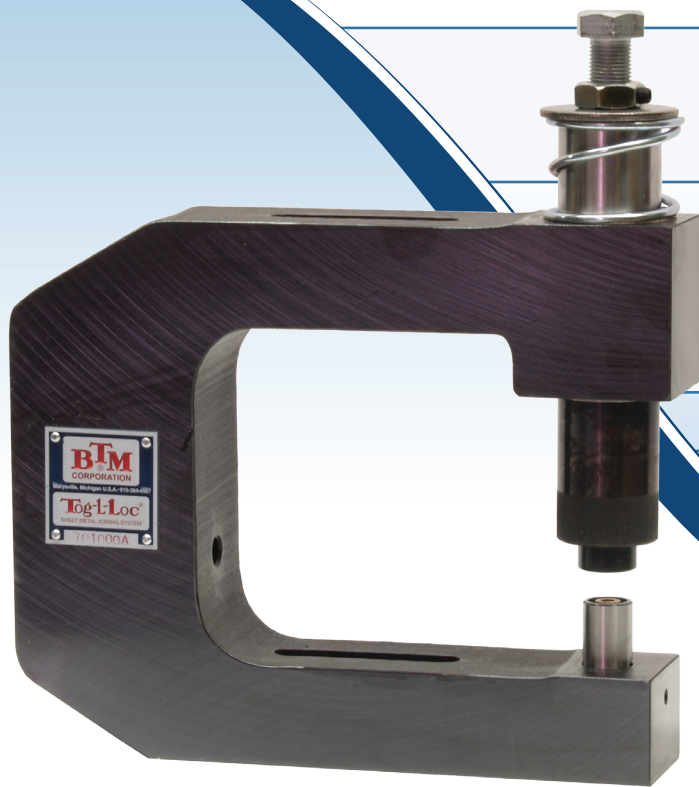


Unitized “C-Frame” Tooling Catalog

For use with the Tog-L-Loc® Sheet Metal clinching System.



> Ready to install into your press brake

> A range of throat depths available

> A Low Cost Clinching Solution

Part of our Clinching Production Equipment line of Products

<http://www.btmcorp.com/unitized-clinch-tooling.html>



BTM
CORPORATION

www.BTMcorp.com

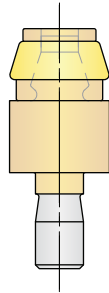
810-364-4567

COMPATIBLE **Tog-L-Loc[®]** TOOLING

3 Blade Elastomer Style "A" Die

4.6 Tog-L-Loc Die

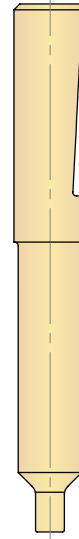
Anvil Depth	BTM No.
0.51 [.020]	003933
0.64 [.025]	003940
0.76 [.030]	003947
0.89 [.035]	003954
1.02 [.040]	003961
1.14 [.045]	003969
1.27 [.050]	003977
1.40 [.055]	004037
1.52 [.060]	006601



Whistle Notch Flat (WNF) Punch

4.6 Tog-L-Loc Punch

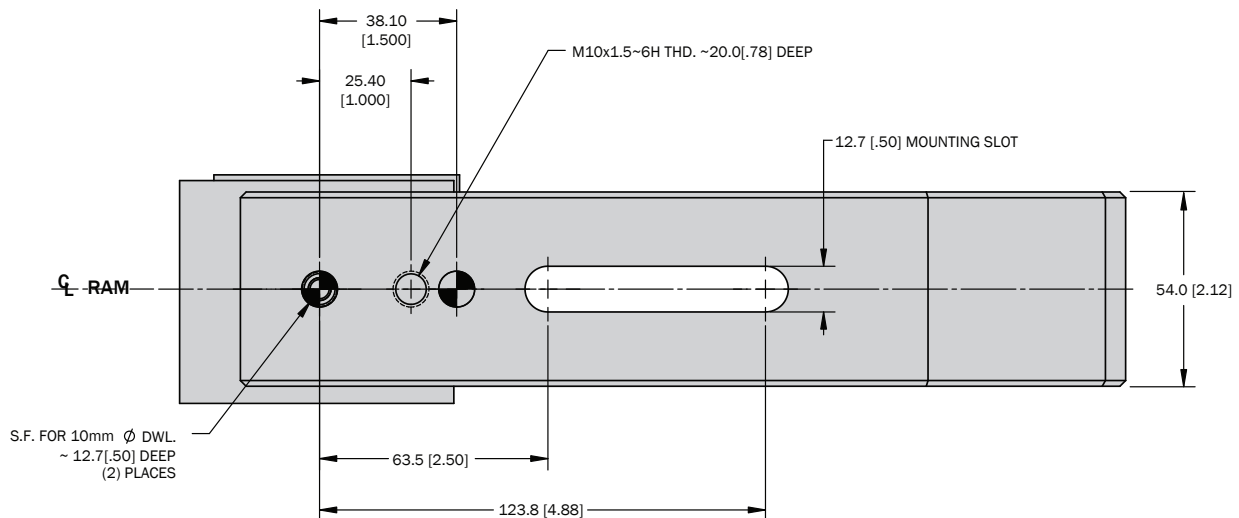
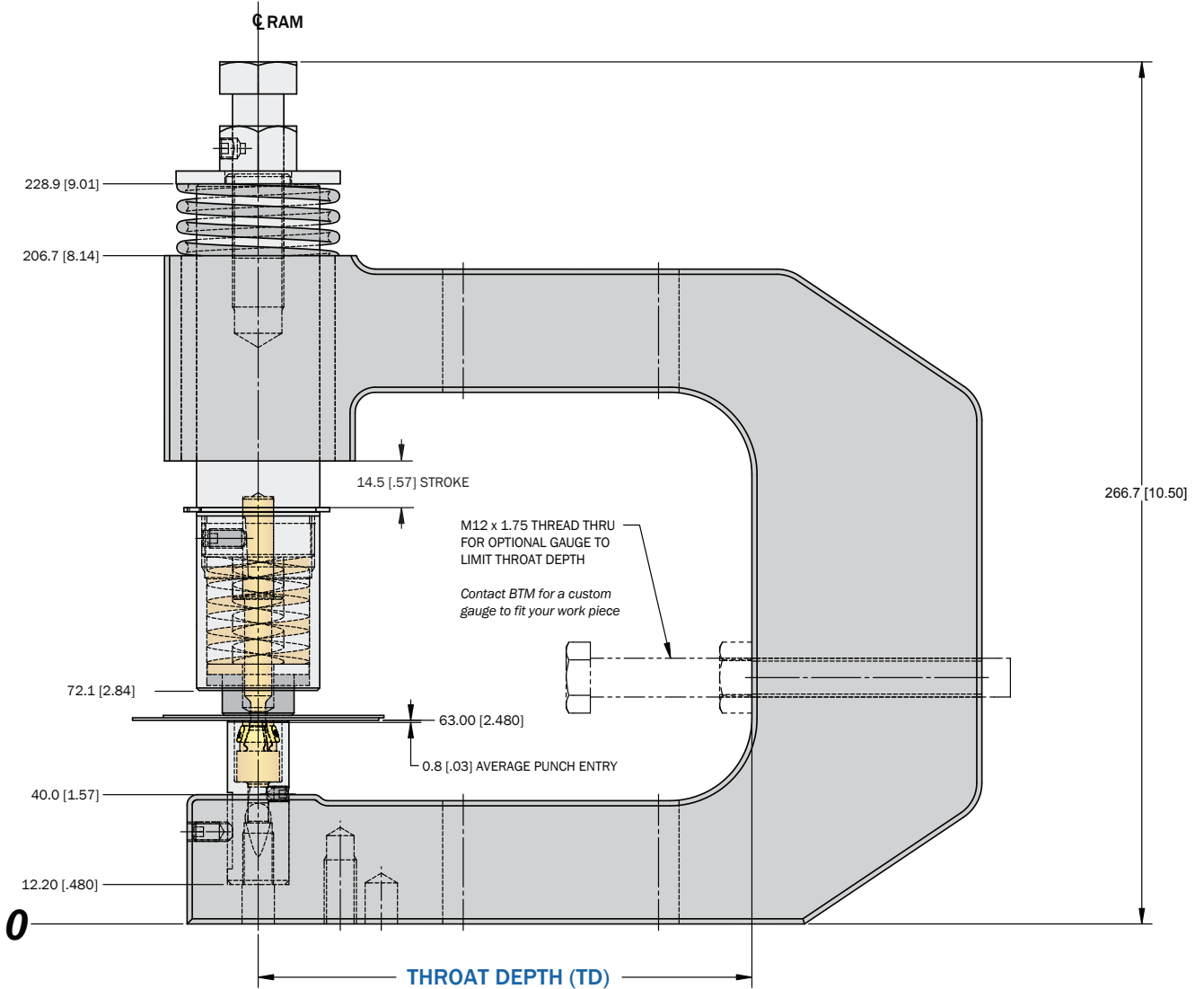
Punch Tip Radius	BTM No.
0.25 [.010]	002798
0.51 [.020]	002992



The correct Anvil Depth and Punch Tip Radius are determined through testing and/or by surrogate joint data at BTM. Contact a BTM sales application engineer to determine the correct tooling for your application.

ORDERING INFORMATION

"TD"	BTM No.
152mm [6"]	701000A
254mm [10"]	701000B
356mm [14"]	701000C

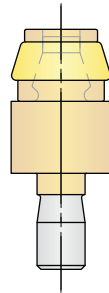


COMPATIBLE **Tog-L-Loc**[®] TOOLING

3 Blade Elastomer Style "A" Die

4.6 Tog-L-Loc Die

Anvil Depth	BTM No.
0.51 [.020]	003933
0.64 [.025]	003940
0.76 [.030]	003947
0.89 [.035]	003954
1.02 [.040]	003961
1.14 [.045]	003969
1.27 [.050]	003977
1.40 [.055]	004037
1.52 [.060]	006601



Whistle Notch Flat (WNF) Punch

4.6 Tog-L-Loc Punch

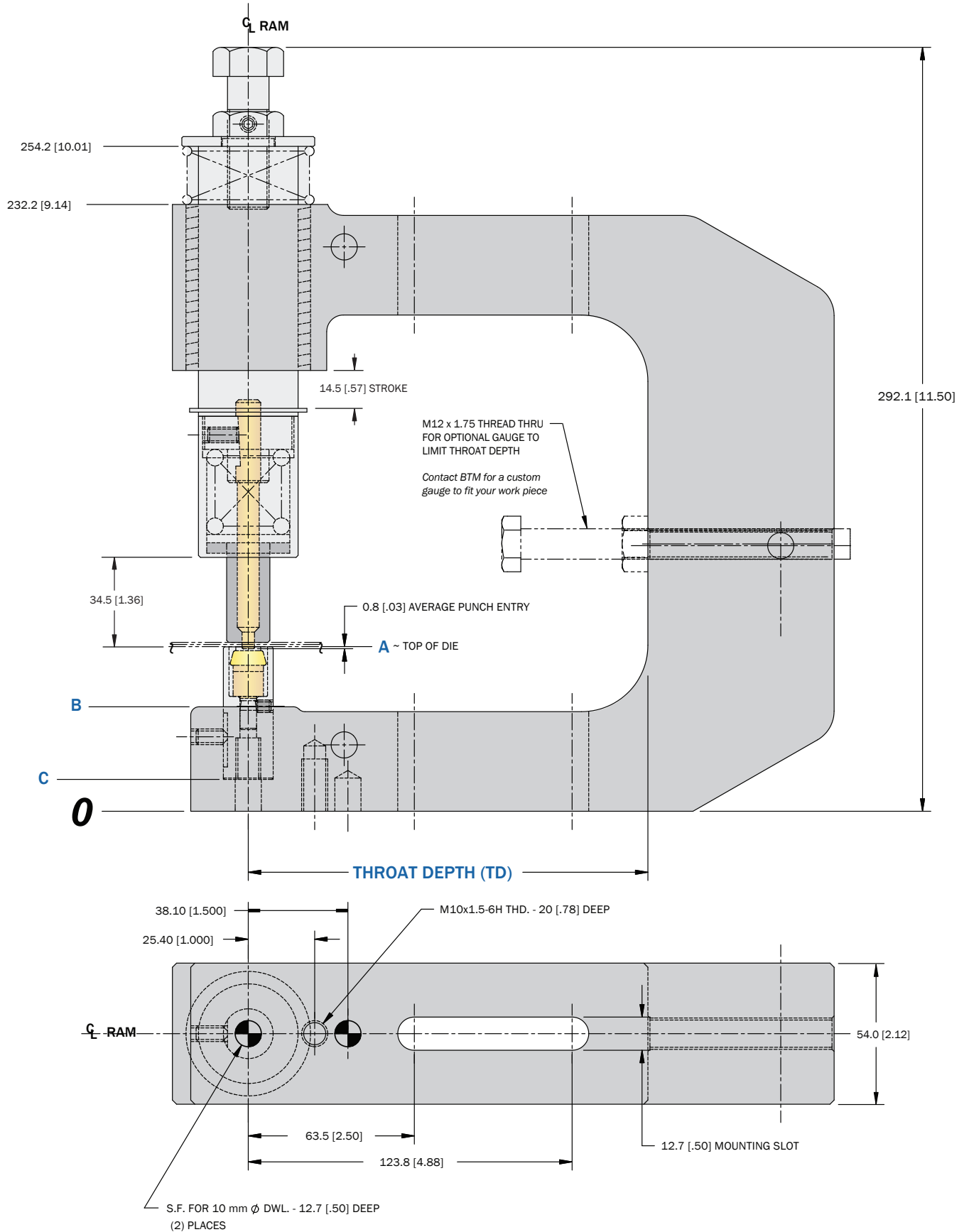
Punch Tip Radius	BTM No.
0.25 [.010]	006624
0.51 [.020]	006636



The correct Anvil Depth and Punch Tip Radius are determined through testing and/or by surrogate joint data at BTM. Contact a BTM sales application engineer to determine the correct tooling for your application.

ORDERING INFORMATION

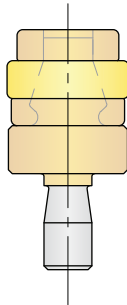
"TD"	"A"	"B"	"C"	BTM No.
152mm [6"]	63.00 [2.480]	40.0 [1.57]	12.20 [.480]	701000D
254mm [10"]	63.00 [2.480]	40.0 [1.57]	12.20 [.480]	701000E
356mm [14"]	63.00 [2.480]	40.0 [1.57]	12.20 [.480]	701000F
457mm [18"]	88.39 [3.480]	65.3 [2.57]	37.59 [1.480]	701000G
610mm [24"]	88.39 [3.480]	65.3 [2.57]	37.59 [1.480]	701000H



COMPATIBLE **Tog-L-Loc[®]** TOOLING

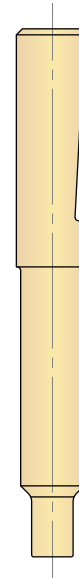
3 Blade Elastomer Style “A” Die

5.5 Tog-L-Loc Die	
Anvil Depth	BTM No.
0.64 [.025]	739100B
0.76 [.030]	739100C
0.89 [.035]	739100D
1.02 [.040]	739100E
1.14 [.045]	739100F
1.27 [.050]	739100G
1.40 [.055]	739100H
1.52 [.060]	739100J
1.65 [.065]	739100K
1.78 [.070]	739100L



Whistle Notch Flat (WNF) Punch

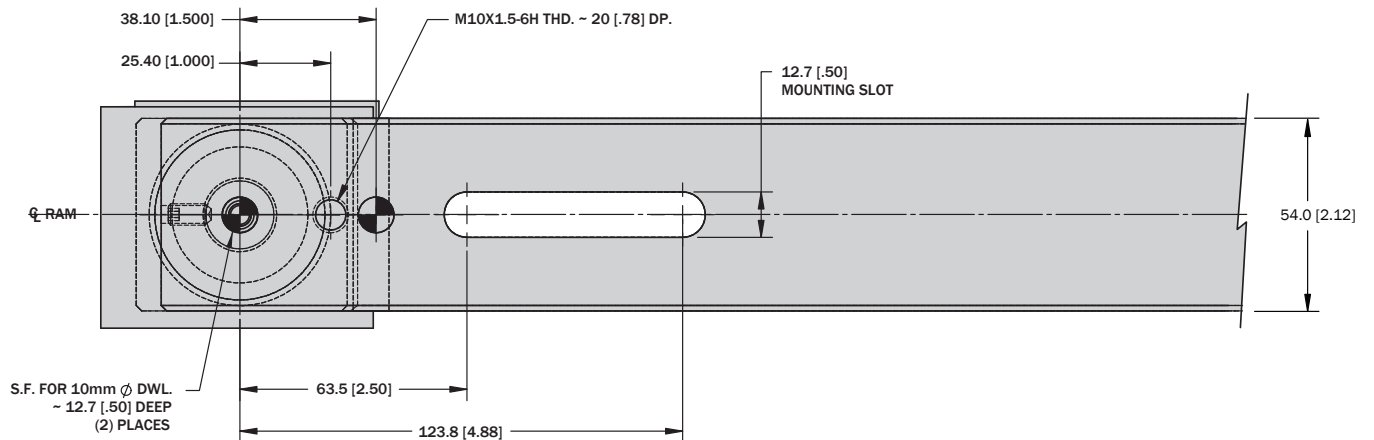
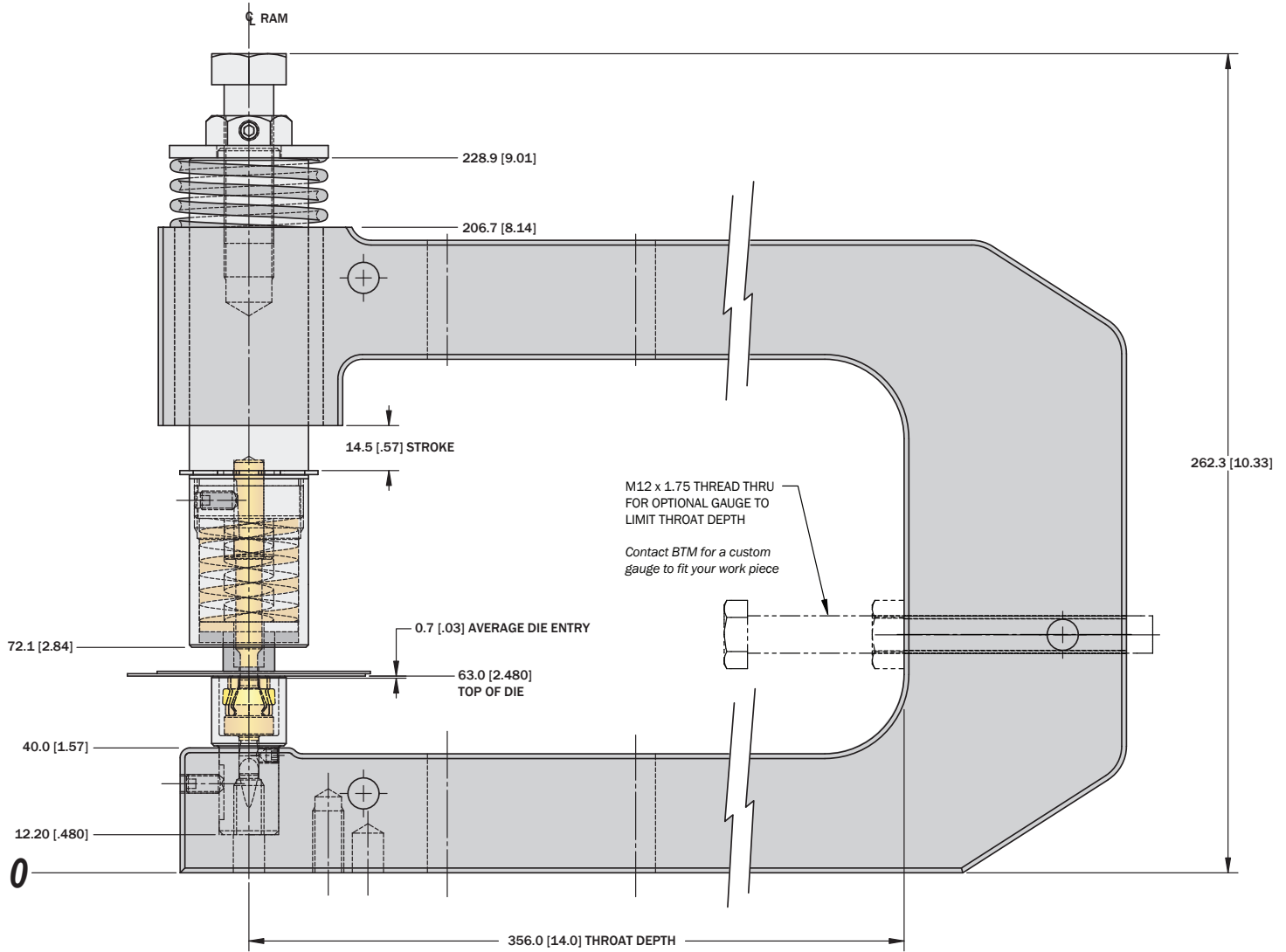
5.5 Tog-L-Loc Punch	
Punch Tip Radius	BTM No.
0.25 [.010]	018934
0.51 [.020]	018935



The correct Anvil Depth and Punch Tip Radius are determined through testing and/or by surrogate joint data at BTM. Contact a BTM sales application engineer to determine the correct tooling for your application.

ORDERING INFORMATION

“TD”	BTM No.
356mm [14”]	785600C



BTM offers a range of Production Equipment for applying our Clinch tooling.

Unitized "C-Frame" Tooling



BTM's unitized "C-Frame" tooling is a low cost way to utilize the patented Tog-L-Loc[®] sheet metal joining system and is available with a wide range of throat depths. The units are easily mounted, and are ready to install into your brake or stamping press.

Die Sets



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

Hand Held Units



BTM's handheld units 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.

Special Fixtures



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

Universal Presses



Universal presses easily adapt to join a variety of parts.

Special Systems



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

Specialized Units



BTM provides pneumatic, hydraulic, air/oil, and electrically driven units with single or dual motions for both stationary and robotic applications.

Find more information online:



www.btmcorp.com/clinching-equipment.html



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

WWW.BTM[®]CORP.COM