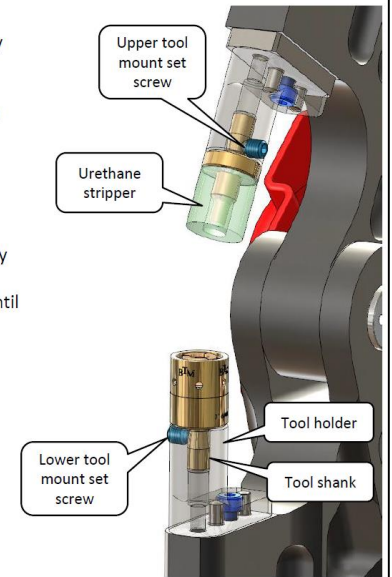


# OVERVIEW BTM-SCISSOR HHP UNIT



## Unit for Tog-L-Loc (only)

1. Both upper and lower tooling are mounted in the same way and may be reversed.
2. To remove either tool, loosen set screw on side of tool holder with a 2.5mm hex key.
3. Pull tool shank straight out of mounting hole.
4. Insert new tool and tighten set screw to 3.9 N-m [35 in-lb]
5. To change urethane stripper, simply pull off punch shank, no tool required. When replacing, push until fully seated against flange.



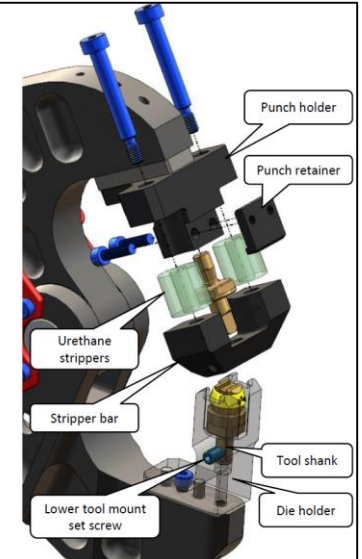
## Unit for Tog-L-Loc and Lance-N-Loc

### Punch change:

1. With 3mm hex key, remove stripper bar and urethane strippers by removing (2) shoulder screws.
2. With 3mm hex key, remove punch retainer by removing (2) screws.
3. Pull punch straight out of mounting hole.
4. Insert new punch. Orient punch tip to match die and flat with retainer surface and replace retainer. Tighten screws to 4.4 N-m [39 in-lb].
5. Reinstall stripper bar and strippers. Tighten shoulder screws to 6.8 N-m [60 in-lb].

### Die change:

1. Loosen set screw on side of tool holder with a 2.5mm hex key.
2. Pull die straight out of mounting hole.
3. Insert new die and tighten set screw to 3.9 N-m [35 in-lb]

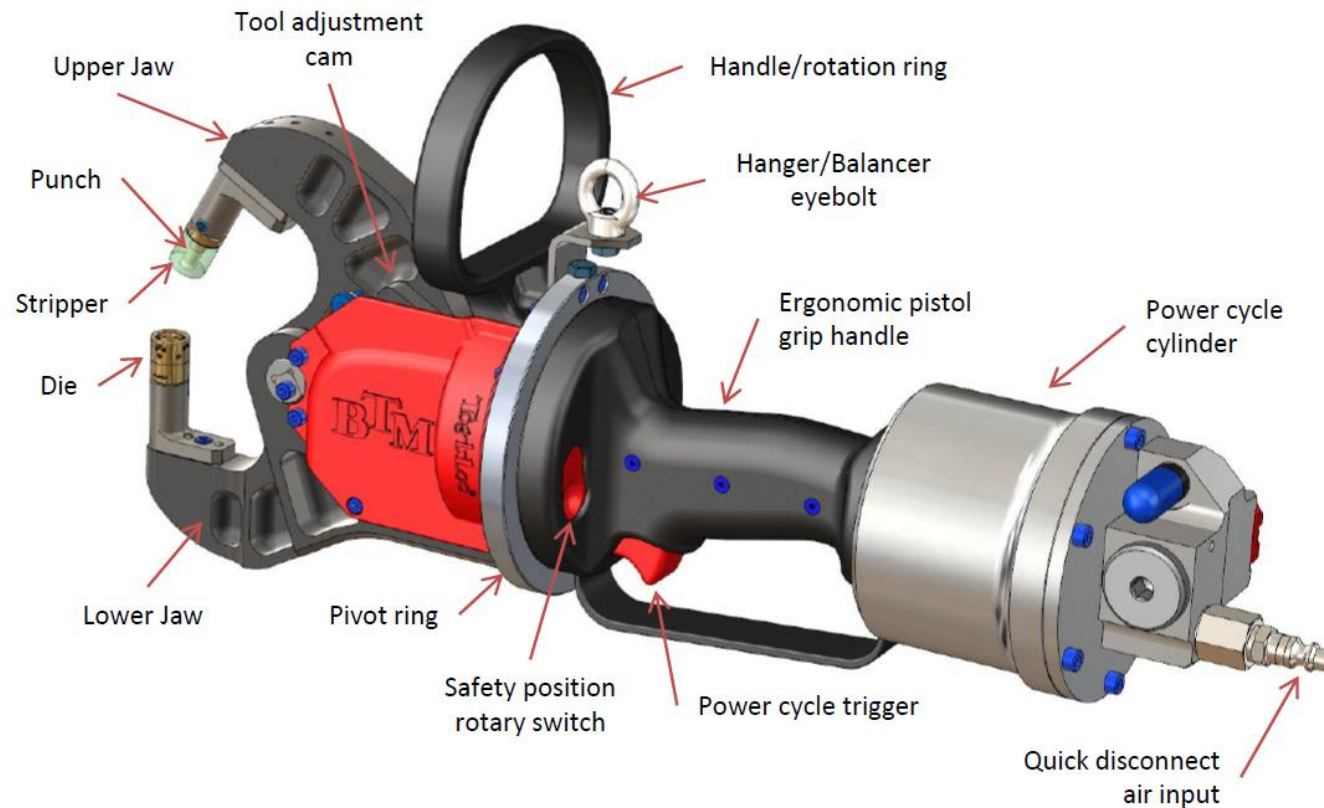


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## HHP UNIT OVERVIEW

The HHP hand unit is a full pneumatically operated unit powered by shop air. It features interchangeable tool holders, which are reversible. This will accommodate a wide range of part cross sections. A cam operated upper tool adjustment system makes shut height adjustment easy when joining multiple thickness combinations.



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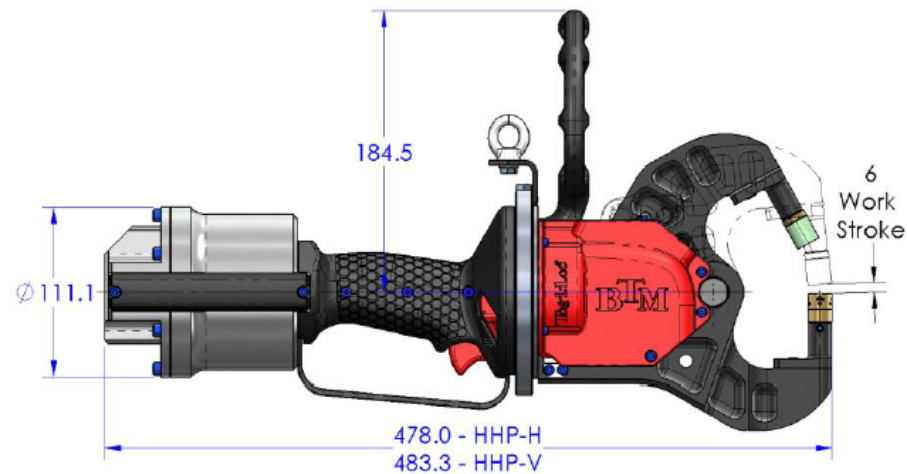


## Advantages

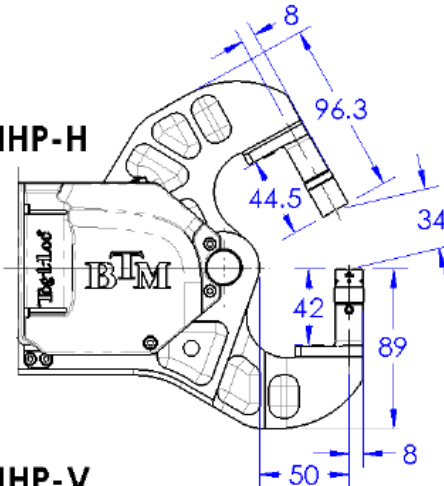
- Operates from a single shop air line
- Grips contoured for operator comfort
- Available with an extensive selection of BTM standard clinch tooling
- Available Titanium jaws for light weight with strength
- Available units with end balanced, vertically oriented handle/trigger

## Features

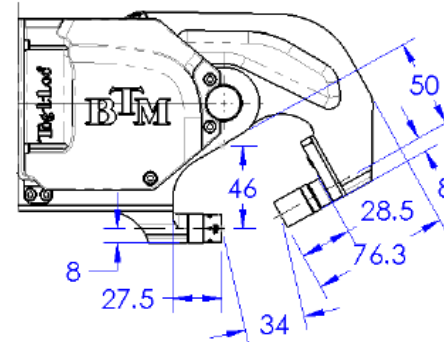
- Horizontal (HHP-H) or Vertical (HHP-V) tooling orientation units
- Integral ball bearing gyro ring for improved agility
- Tog-L-Loc 3.0, 3.8, 4.6
- Lance-N-Loc 3.0, 3.8
- Tooling is reversible between jaws
- Single urethane or Dual mechanical strippers
- Single G1/4 air port connection



HHP-H



HHP-V



## Specifications

|                                     |        |
|-------------------------------------|--------|
| Weight (unit only)                  | 6.4 kg |
| Rated operating pressure            | 6 bar  |
| Force output @ 6 bar                | 35 kN  |
| Max material thickness (mild steel) | 3.5mm  |
| Max jaw open                        | 34mm   |
| Stroke at jaw work position         | 6mm    |

## HHP-H V and T UNIT Dimensions



HHP-H1



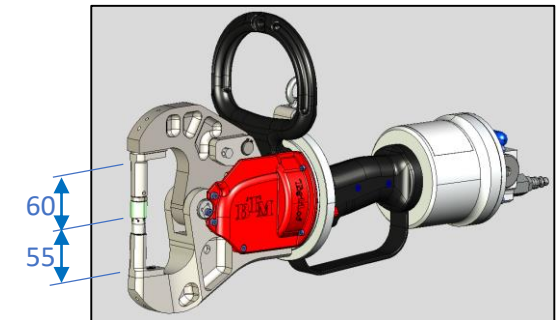
HHP-H2



HHP-H3



HHP-V1



HHP-T1

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