

The WATSON

Performance in a small package

The Watson from Norlok Technology offers all the benefits of clinching in a lightweight version that gives you the portability you need.

This compact clinching machine is easy to handle, requires only shop air to operate and can fasten up to two ply 14 gauge material.

Features include ...

Light weight

- ▶ for great portability

Safety stroke

- ▶ for greater operator safety

Simple tool adjustments

- ▶ little or no setup time

Close tooling access

- ▶ get in close for more applications

Air powered

- ▶ hydraulic booster included

Proven design

- ▶ for consistent clinches

Easy maintenance

- ▶ for less down time

Competitively priced

- ▶ low investment and fast payback

Fully customizable

- ▶ designs to fit your needs

When you combine all the features, benefits and quality, the Watson sets the standard by which other clinching machines are measured.



SPECIALISTS IN CLINCHING TECHNOLOGY
An ISO 9001 Registered Company



DISTRIBUTED BY

**SPECIFICATIONS – Gen 2 Medium Duty Watson
(Model – MDWA)**

Press Design: Single steel "C" frame.
Features: Trigger operation
 Air over oil intensifier included.
 Single shot pressure sensing return.
 Can be operated in any position.

Stroke: 1-1/2" (up to 1-3/4")
Throat: 2"
Weight: 16 lbs (Hand tool only)

Upper Tooling: Fast change punch
 Replaceable punch stripper

Lower Tooling: MDWA insert style
 Adjustable to suit material thickness

Capacity: **MEDIUM DUTY (0.18" Ø PUNCH)**
 MAX: Two ply 0.075" mild steel
 MIN: Two ply 0.010" mild steel

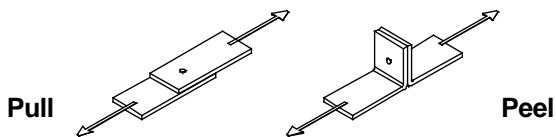
Cycle speed: 20 CPM (standard speed mode)
 20-30 CPM (with modified stroke)

Air Requirements: 70 psi (min) 125 psi (max)
 100 psi (recommended)
 Approx. 0.8 cu ft free air per cycle
 (5 HP @ 40 clinches per minute)

Intensifier Dimensions:
 Width 16"
 Length 16"
 Height 18"
 Weight 47 lbs

Options: Spring balancer (pricing on request)
 Mobile hanging frame (pricing on request)

**Typical Joint Strengths
(Mild Steel):**



| Material Thickness | Pull (lbs) | Peel (lbs) | Die Type |
|--------------------|------------|------------|----------|
| 0.075" (14g) | 550 | 225 | #50 |
| 0.060" (16g) | 475 | 175 | #50 |
| 0.050" (18g) | 430 | 150 | #40/#50 |
| 0.040" (20g) | 400 | 120 | #40 |
| 0.034" (22g) | 375 | 100 | #30/#40 |
| 0.028" (24g) | 325 | 85 | #30 |
| 0.022" (26g) | 285 | 70 | #30 |

