

# 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



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**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

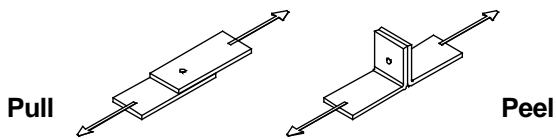
**Cycle speed:** 20 CPM (standard speed mode)  
 20-30 CPM (with modified stroke)

**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

