

The Heavy Duty Watson

Heavy Duty Watson portable clinching machine

Superior features include

- Simple tool adjustment
- Fasten 24 gauge up to 10 gauge mild steel
- High speed air over oil booster
- 30 – 40 cycles per minute
- Air powered, uses standard shop air
- 2" (50mm) stroke
- Close tooling access
- Easy maintenance

The Heavy Duty Watson is the ideal portable clinching machine to handle the toughest metal fastening projects.



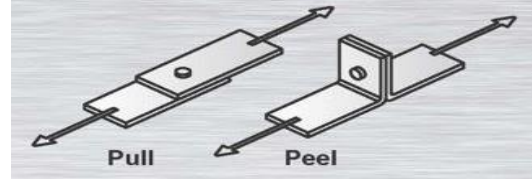
INNOVATIONS IN ENGINEERING

Heavy Duty Watson



Clinch Joint Strength in Mild Steel

Material thickness	PULL (lbs./N)	PEEL (lbs./N)	DIE Type
0.138"/3.5mm	1400/6228	500/2224	#70
0.105"/2.66mm	1200/5338	400/1779	#70
0.080"/2.03mm	1000/4448	300/1335	#60
0.063"/1.60mm	800/3559	250/1112	#50/#60
0.052"/1.32mm	700/3114	220/979	#40/#50
0.040"/1.01mm	600/2669	200/890	#40
0.028"/0.71mm	550/2447	190/845	#40



- Capacity:** Heavy Duty 0.25" diameter punch
 MAX: Two ply 0.138" [3.5mm] mild steel
 MIN: Two ply 0.028" [0.71mm] mild steel
- Stroke:** 2" [50mm]
Throat: 2-3/8" [60mm]
Weight: 45 lbs [20 Kg]- Work head
 50 lbs [24 Kg]- Power Unit
- Cycle Speed:** 30-40 CPM (@ 2" Stroke)
- Air Supply:** 70-90 psi [5-6 bar]
 Approx. 0.6 cu ft free air per cycle.
 (5 HP @ 60 cycles per minute)
- Options:**
- Hanging Gimble**
Easy rotary maneuverability in X, Y and Z directions
 - Spring Balancer**
Provide weightless machine motion
 - Mobile hanging Cart**
For mobility of machine and power unit

Norlok has an extensive selection of Watson designs for getting over large flanges, narrow openings, able to reach deep into parts all these with Norlok's trusted Quality and Excellence. If not already designed, we will design a machine to meet your clinching needs!

