

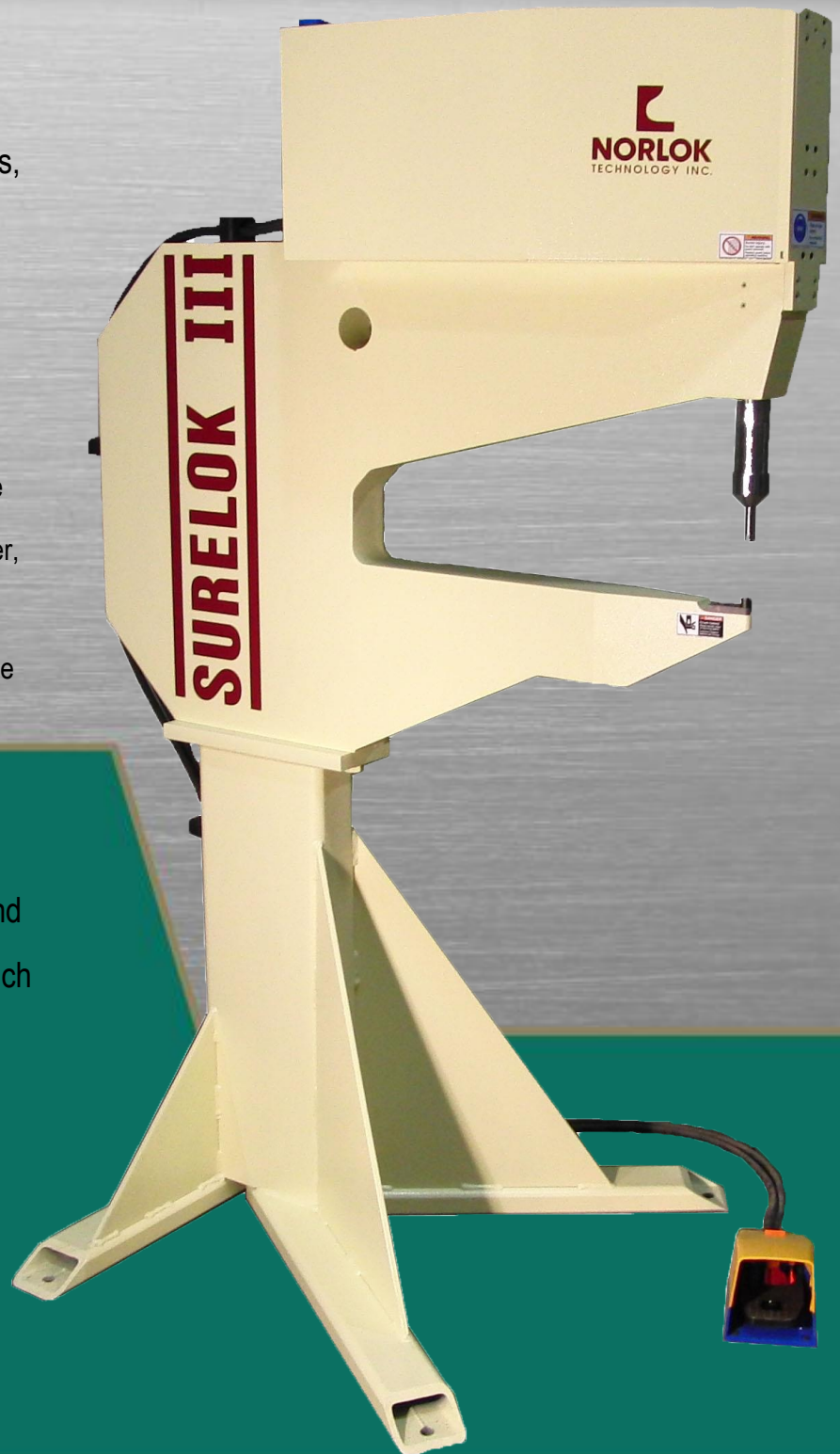
## The Surelok III

With versatile design and unsurpassed features, the Surelok III outperforms the competition like no other.

### Superior features include

- 25" throat
- Fasten material from 32 gauge up to 14 gauge
- APU – advanced power unit is faster, smoother, quieter and uses less air
- Stainless steel ready with simple punch and die change
- Adjustable 2-1/2" (63mm) stroke
- Air powered, requires no electrical hook up

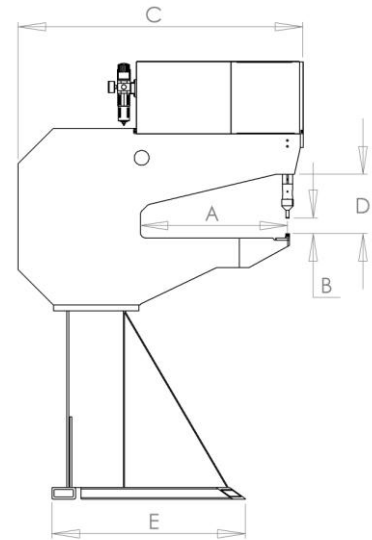
When you combine all the features, benefits and quality, the Surelok III sets the standard by which other clinching machines are measured.



**INNOVATIONS IN ENGINEERING**

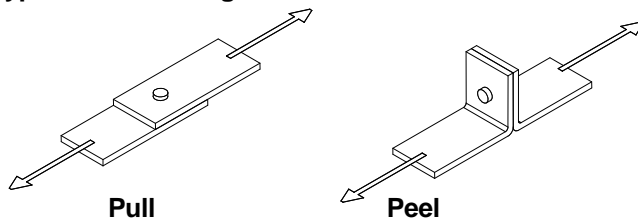
## SPECIFICATIONS – SURELOK III

<b>Press Design:</b>	Solid 3" (76mm) steel "C" frame. Rigid steel frame = longer tool life
<b>Features:</b>	APU pneumatic power unit. Regulator, Shut-off valve Foot pedal operated
<b>Stroke:</b>	2 1/2" (63mm) max. (adjustable) "Intelligent" safety stroke for greater operator safety.
<b>Throat:</b>	SL 25" (635mm)
<b>Work Height:</b>	45" (1143mm)
<b>Upper Tooling:</b>	Round or Rectangular ready Close tooling access allows for more applications. Simple adjustments to suit material thickness.
<b>Lower Tooling:</b>	Die insert on a hardened die plate with a hardened protection collar.
<b>Capacity:</b>	MAX: 2 ply .075" (1.9mm) mild steel. MIN: 2 ply .010" (.25mm) mild steel. MAX: 2 ply .050" (1.25mm) Stainless. MIN: 2 ply .010" (.25mm) Stainless. (Rectangular tooling for stainless)
<b>Cycle speed:</b>	60-80 cycles/minute (standard) Up to 150 cycles/minute with options
<b>Air Requirements:</b>	80psi to 100psi (5.4 - 6.8 Bar) 100psi (6.8 Bar) (recommended) Approx .2 cu ft (.0056 cu m) free air per cycle. 2 HP (1.5 kW) @ 60 clinches per min.
<b>Weight:</b>	SL 25: 1300 lb (591kg)

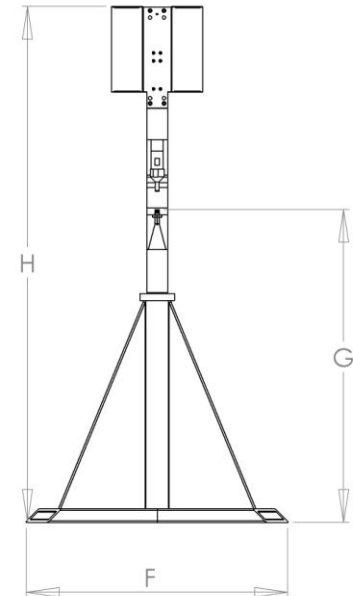


SL 25	
A	25" [635mm]
B	2.5" [63mm]
C	48.5" [1232mm]
D	10" [254mm]
E	33" [838mm]
F	37.5" [953mm]
G	45" [1143mm]
H	74.5" [1892mm]

### Typical Joint Strengths in Mild Steel:



Material Thickness" (mm)	Pull lbs(N)	Peel lbs(N)	Die Type
.075 (1.9)	550 (2447)	225 (1001)	#50
.060 (1.5)	475 (2113)	175 (778)	#50
.050(1.25)	430 (1913)	150 (667)	#40/#50
.040 (1.0)	400 (1779)	120 (534)	#40
.034 (.86)	375 (1668)	100 (445)	#30/#40
.028 (.71)	325 (1446)	85 (378)	#30
.022 (.55)	285 (1268)	70 (311)	#30



Pipe diameter	Die reach into Pipe
3" (76mm) Ø	1-3/8" (34.9mm)
4" (102mm) Ø	3 1/4" (82.5mm)
5" (127mm) Ø	5" (127mm)
6" (152mm) Ø	12-1/4" (311mm)
7" (178mm) Ø	13-5/8" (346mm)
8" (203mm) Ø	15-7/8" (403mm)
9" (229mm) Ø	18-1/8" (460mm)
10" (254mm) Ø	20-1/2" (521mm)*
11" (279mm) Ø	22-3/4" (578mm)*
12" (305mm) Ø	24-1/2" (622mm)*