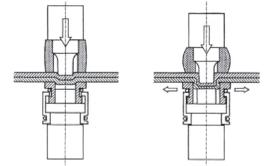


RIVCLINCH® (SPOT CLINCH®) 0706 IP

100% pneumatic, high capacity clinching tool
with large opening jaws

Metal joining without fasteners

When clinching two or more layers of sheet metal, the material is plastically deformed inside a die through a squeezing process between the punch and the anvil. The joint is created as the material flows sideways pushing out the die walls. The result is a high quality joint, without the need for consumables such as screws or rivets, and without disturbing the coating, thus eliminating the need for post touch-up work as occurs with welding.



Garage doors

This 100% pneumatic tool is particularly suited for the assembly of large and thick sheet metal frames and profiles, such as ventilation ducts, door frames etc, of all thicknesses up to a total of 4.5mm (mild steel). The absence of hydraulic cylinder at the front side offers an exceptional accessibility into cabinets, corners and narrow shapes. The manually operated pre-closing mechanism offers a large and safe opening. The soft, two-level trigger allows a pre-clamping possibility for corrections of positioning when needed. It also allows to operate the machine with one hand, keeping the other hand available for handling the product to be joined.

The ring bearing offers a well balanced positioning around the horizontal axis, and a lateral arm can be added for a full 3-D motion. The installation is exceptionally easy, by means of a simple quick coupling of 1/2" to any 6 bars (85 psi) compressed air source. No hydraulic hoses, no hydraulic power pack, no electricity. And compared to spot welding, no fumes, no sparks, no burning of the sheet metal coating, and higher atigue strength of the joint.

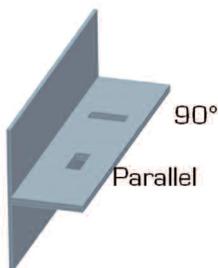
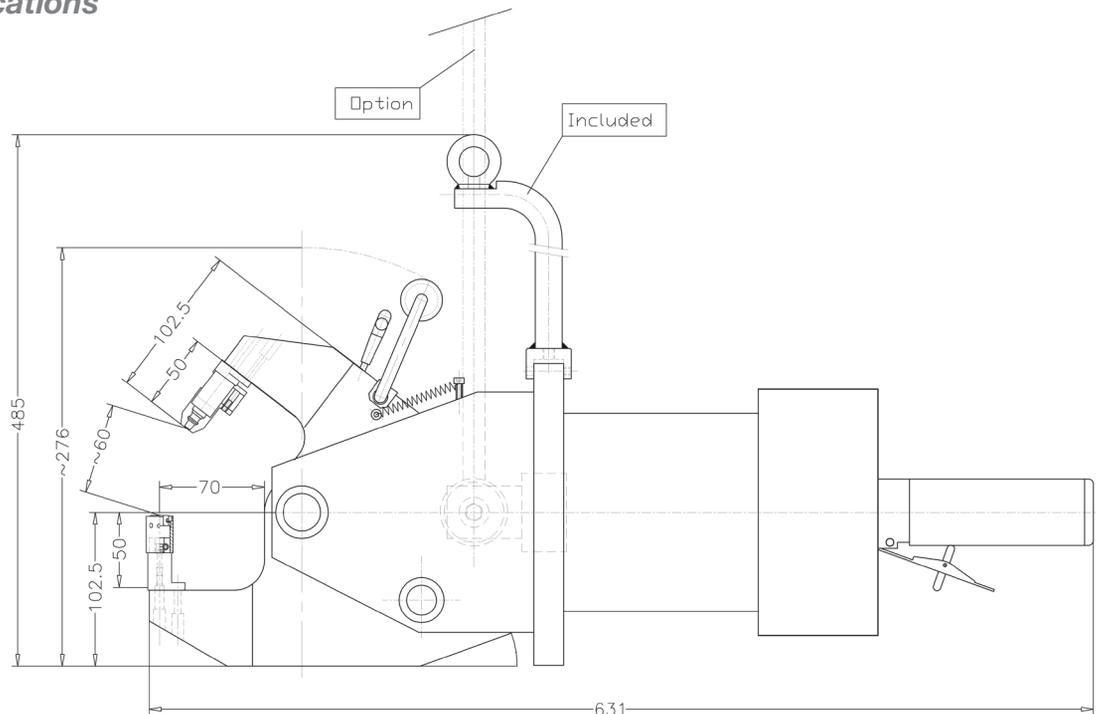
Technical specifications

Accessories

The machine is delivered complete, ready to use. Air preparation unit, a gyroscopic suspension ring and a balancer are available as options.

Tool kits

The tool kits have to be selected from the original RIVCLINCH® (SPOT CLINCH®) series ST502 (rectangular, 90° or parallel), or SR 603 (round) based on the application.



Total weight, approx with gyroscopic suspension	24 kg
Working air pressure	6 bar
Tool force at 6 bar	50 kN
Cycle time	0,7 - 1.2 sec
Full opening	60 mm
Pre stroke	52 mm
Work stroke	8 mm
Depth of jaws	70 mm
Max. total sheet thickness, mild steel	4.5 mm
Max. total sheet thickness, stainless steel	3 mm

Products numbers

Designation	Part No
RIVCLINCH® (SPOT CLINCH®) 0706 IP M	3 842 2112 220
Punch SR 52 070 10 M 00 150	3 924 2738 110
Die SR603 14 J 00 150	3 924 2709 104
Punch ST 45x40 03 M 00 150 90	3 924 2749 400
Die ST502 17 J 00 150	3 924 2719 407

