

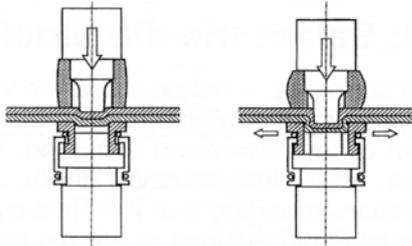
SPOT CLINCH® 0201 FS

Ultra-light clinch tool, for instantaneous sheet metal fastening, without rivets or spot welding



Single stroke clinching

In single stroke clinching of two or more layers of sheet metal, the tool's punch is hydraulically driven to a specific stroke distance into the sheet metal and compresses it against the lower surface of the die called the anvil. As the sheet metal is compressed it flows plastically to a force level that overcomes the spring tension that retains the segmented die walls. The die walls expand allowing the sheet metal to form behind the bottom sheet creating the Rivclinch joint in the sheet metal. Once the specific stroke distance is met the operator releases the tool trigger and the punch retracts.



Ultra Compact Tool Kits

The punch, die and its integral anvil is called a tool kit. There are two types of tool kits that produce round and rectangular Rivclinch joints. The SR type kit produces a round joint that is watertight and does not damage pre-painted or coated surfaces. The ST type joint is not watertight but can be used with austenitic stainless steel and sheet metals that have wider thickness variation. The Ultra Compact Tool Kits enables Rivclinch joints to be made on flange widths as small as .375 (mm).

Rivclinch Tool Model 0201 FS

The 0201 FS is the lightest Rivclinch tools and weighs 3.73 lbs. (1.7 kg) and is the fastest tool with a .7 to 1.0 second cycle time. It also features a quick setting stroke adjustment nut enabling the tool to be adjusted for multiple applications. The addition of the special option rotation-mounting collar enables the operator to rotate the tool 360 degrees for easy horizontal and vertical Rivclinch joints.

The complete 0201 tool is comprised of the tool, flexible hose with swivel quick disconnect fitting, and the pneumatic/hydraulic power booster. An air regulator, filter and the 360 degree mounting collar are available as special items.

Product numbers

SPOT CLINCH 0201 FS, flexible 2 m	2111 600
SPOT CLINCH 0201 FS, flexible 3 m	2111 603
Tool kit SR403, total thickness 1.0-1.4 mm	2703 710
Tool kit SR403, total thickness 1.5-2.5 mm	2703 720
Tool kit ST332, total thickness 1.0-1.4 mm	2717 610
Tool kit ST332, total thickness 1.5-2.5 mm	2717 600

Technical specifications

Weight of the work head, incl. handle	1.7 kg	3.75 lbs
Total weight, with booster	10.0 kg	22 lbs
Working air pressure	min. 5 bar max. 6 bar	72 psi 87 psi
Hydraulic pressure at 6 bar	350 bar	5'000 psi
Tool force at 6 bar	25 kN	55 klbs
Jaw opening (distance between tools)	6.5 mm	0.25"
Cycle time	0.7 à 1.0 s	
Max. total sheet thickness, mild steel	2.5 mm	0.10"
Max. total sheet thickness, stainless steel (tool kit ST)	1.8 mm	0.07"

Overall dimensions

