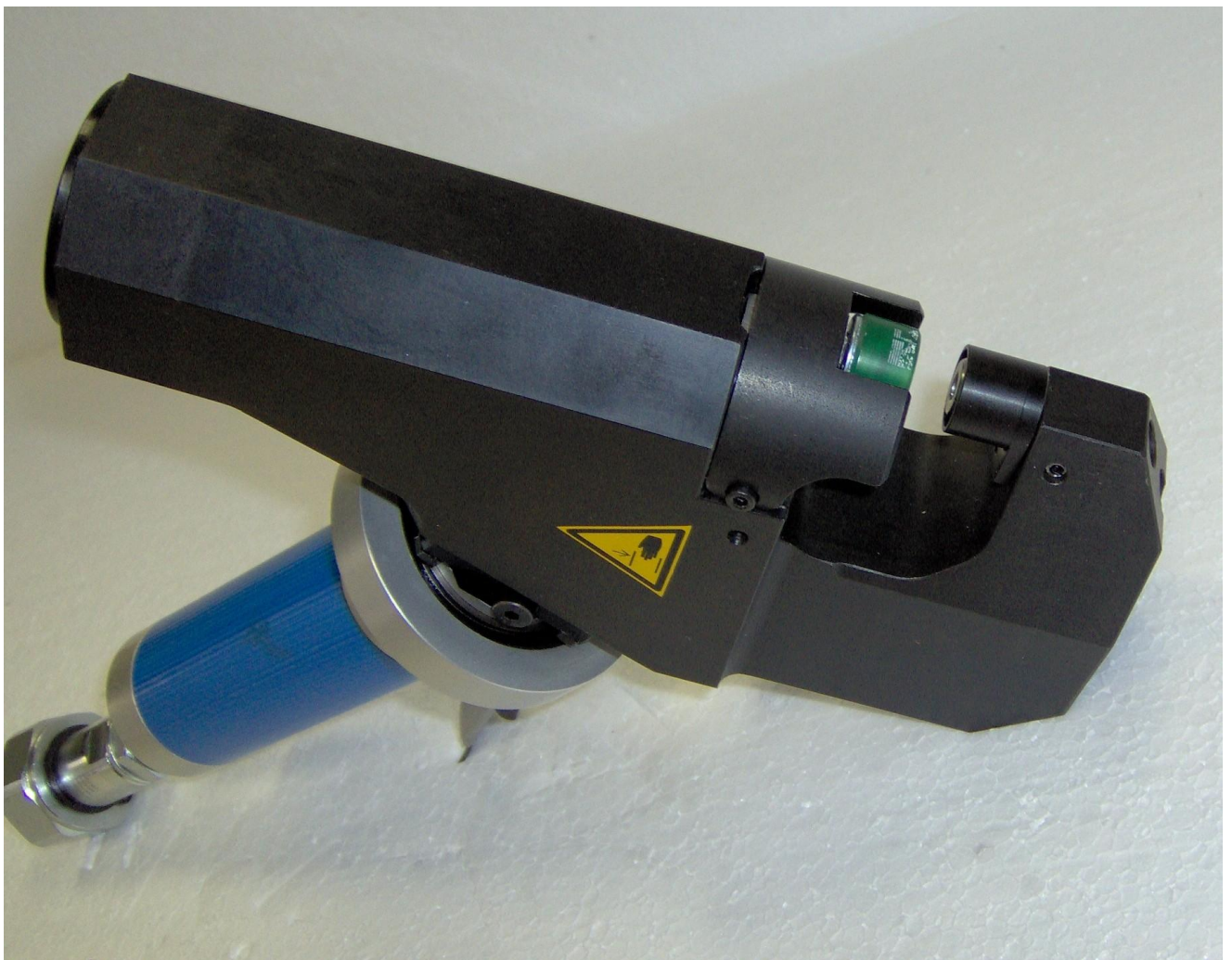


SPOT CLINCH[®] 0501 FS

Light and powerful clinch tool for edges, corners and flat panels. Instantaneous sheet metal fastening, without rivets or spot welding.



Features of the SPOT CLINCH® 0501 FS

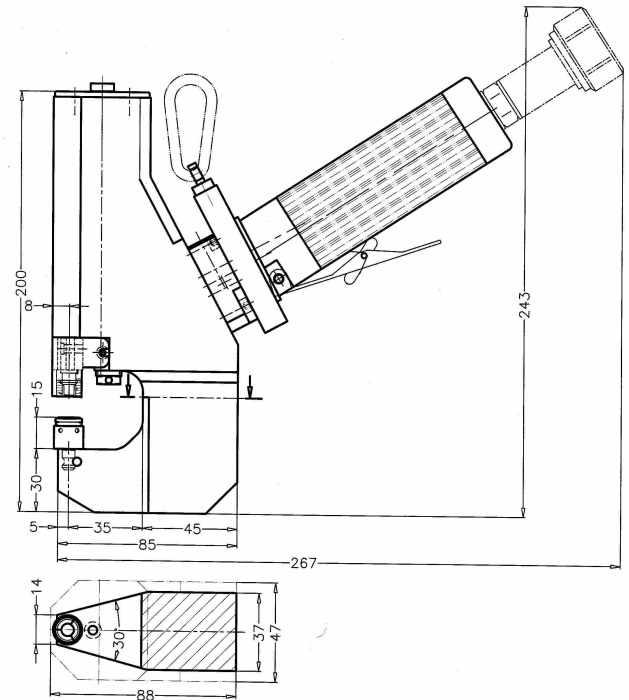
The strong point is an exceptional capacity / weight ratio. As a portable tool it is suited for fastening edges, as an alternative to spot welding and riveting. The off-centered hydraulic cylinder offers access to edges on flat surfaces, often required for the assembly of cabinets, even of large sizes, from the inside. Its high tool force of 3.5 tons, along with the new ultra-compact tool kits provides strong, reproducible joints with material up to 3.0mm of total thicknesses. The integrated rotating suspension offers a very ergonomic utilisation in all position.

As an integrated work head, it can fulfill heavy duty conditions of operation met with automated lines or robotic applications. It can be fit with sensors and compensated supports for easy installations.

Technical specifications

Weight of the work head, incl. handle	4.5 kg	9.9 lbs
Total weight, with booster	12.1 kg	26.6 lbs
Working air pressure min.	4bar	58 psi
max.	6 bar	87 psi
Hydraulic pressure at 6 bar	350 bar	5'000 psi
Tool force at 6 bar	35 kN	77 klbs
Punch-die opening (distance between tools)	8 mm	0.32"
Cycle time	0.8 to 1.2 s	
Max. total sheet thickness, mild steel	3.0 mm	0.12"
Max. total sheet thickness, stainless steel (tool kit ST)	2.5 mm	0.1"

Main dimensions



A complete SPOT CLINCH® 0501 FS unit consists of a compact work head connected through a hydraulic flexible hose and a quick rotating coupling to an air-to-oil pressure booster. The unit is ready for connection to the factory net of compressed air, equipped with a pressure regulation and a filter. The air preparation unit, balancer and rotator are available as options. The tool kits are not included in the work head and must be selected from the table below, as function of the application.