

CI 03 CD Stud Welding Gun



- HBS CI 03 Stud Welding Gun for insulation has a welding range for cupped head pins of 2/2.27mm diameter
- Suitable for mild steel and stainless steel insulation pins.
- Especially suitable for thin metal sheets from 0.6mm and for any type or shape of stud.



Technical Data	
Welding range	Cupped head pins diameter 2/2.7mm
Pin length	9.5 – 152.4mm
Pin material	Mild steel, stainless steel
Pin Type	Cupped head pins
Spring pressure	Adjustable, arresting
Welding cable	10m
Insulation class	IP20
Workplace noise level	Bang > 90dB (A) may occur during welding
Operational & Storage Conditions	According to current standards
Dimensions (L x W x H)	175 x 50 x 140mm (without cable)
Weight	0.7kg (without tripod)

General Information	
Application	<ul style="list-style-type: none"> • Especially suitable for thin metal sheets from 0.6mm • ISO – especially suitable for welding on cupped head pins (for fixing heating, ventilation and air-conditioning mats – HVAC) • Especially suitable for insulation mats with and without aluminium cover. The cupped head pin has a special tip which permits particularly easy penetration of the insulation materials. Variably adjustable spring pressure allows the stud welding gun to be optimally adjusted to a wide range of material densities. • The fixing method with cupped head pins replaces the complex procedure; weld on pin – press mat over pin – affix clip – pinch off or bend over projecting tip
Process Variants	<ul style="list-style-type: none"> • Contact welding



Advantages	
Structure	<ul style="list-style-type: none"> • Rigid casing made of impact-resistant plastic • Torsion-resistant basic shell (casing) to accommodate all function elements (e.g. ball bearing guide) and accessories e.g. foot ring • Zero-play ball linear bearing for guiding the welding piston • Sealed welding piston guidance • Ergonomic design • Compact dimensions • Mechanical structure tested in production
Safety	<ul style="list-style-type: none"> • Lock in spring adjustment • High level of security to prevent the selected settings being changed inadvertently • Guidance system protected against spatters
Welding	<ul style="list-style-type: none"> • Individual adjustment options for optimum welding results • Optimum handling and fatigue-free operation • Optimum operation also at places that are difficult to access • Welding on painted sheets possible (clean, smooth & flat surfaces & grounding required) • No damage to the reverse of thin zinc-plated sheets when complying with specified welding parameters; particularly in the case of cupped head pins with 2mm diameter (zinc and corrosion protection on the reverse is retained) • Low energy expenditure • Very fast fixing: Press the cupped head pin through the mat, welding in 3 milliseconds • Low power input for pins with 2mm diameter.

