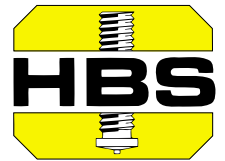


CD



H E M A T I C
B O L Z E N S C H W E I S S
S Y S T E M E

- CD 1501
- CD 2301
- CD 3101

Stud Welding Systems for Capacitor Discharge Welding

(according to DIN EN ISO 14555)

Innovations

Most modern microcontroller

for highest operational safety and best operational convenience

Library function

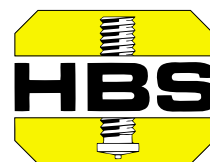
Automatic preset of charging voltage by selection of the stud diameter (fine adjusting through arrow keys)

Error code display via digital display



- Welding within milliseconds
- Cost-effective joining technique
- For thin sheet metal down to 0,6 mm
- Welding range dia. 2 to 8 mm (M10)





H E M A T I C
B O L Z E N S C H W E I S S
S Y S T E M E

Technical Data

HBS-Power Units



CD 1501



CD 2301



CD 3101

Type	CD 1501	CD 2301	CD 3101
Welding range:	M3 to M8 dia. 2 to 8 mm	M3 to M8 (M10) dia. 2 to 10 mm	M4 to M10 dia. 4 to 10 mm
Welding material:	Mild steel, stainless steel, aluminum and brass		
Welding rate:	8 to 20 studs/min. (depending on application and stud dia.)		
Capacitance:	66.000 µF	99.000 µF	132.000 µF
Welding time:	1 to 3 msec.		
Energy:	1.600 Ws	2.400 Ws	3.200 Ws
Charging voltage:	50 to 220 V (stepless voltage regulation up and down)		
Power source:	Capacitor		
Primary power:	230/115 V, 50/60 Hz, 10 AT		
Insulation class:	IP 23		
Dimensions	420 x 180 x 250 mm	510 x 180 x 250 mm	510 x 180 x 250 mm
L x W x H:	(without handle)	(without handle)	(without handle)
Weight:	17 kg	21 kg	22 kg
Order no:	92-10-0151	92-10-0231	92-10-0311

*High performance,
simplest operation,
compact, sturdy,
ideal for use in work
shops and on job si-
tes with high supply
voltage fluctuations.*

HBS-Welding Guns

Type	CA 08	C 08
Stud dia:	2 to 8 (10) mm	
Stud length:	6 to 40 mm (standard) with adapter up to 55	
Weight:	0,7 kg (without cable)	
Stud type:	Any type or shape (special chucks if required)	
Stud material:	Mild steel, stainless steel, aluminum and brass	Mild steel, stainless steel
Length of cable:	3 m	6,5 m
Order no:	92-20-255	92-20-256



HBS-Accessories

	Ground cable	Accessories
Order no:	92-40-095	Chucks 3 to 8 mm 92-40-018



CA 08



C 08

Features

- CD 1501/2301/3101:** Highest safety level. High reliability. Metal housing tolerating rough treatment in work shops and on job sites. For use with critical supply voltage (-25% +20%). Very easy operation. Continuous energy adjustment (charging via rated value switch). Thermal control with automatic switch-off when overheated. Easy control of all functions by LED displays. Best price-performance ratio.
- HBS welding guns:** Compact, handy, light-weight. Stable gun casing made of shock-proof plastics. Quick-exchangeable chuck. Stud length independently selectable. Precision guide linear ball bearing for guidance of the welding piston. Weight reduction of the welding piston by 50% for backlash-free welding. Notched spring adjustment. Extensive accessories.
 - CA 08:** Electronically controlled stud welding gun for all known stud welding processes (especially well suitable for aluminum welding). Integrated lift and spring force adjustment. Lockable lift adjustment.
 - C 08:** Welding gun for contact welding, especially suitable for welding of studs and pins made of steel and stainless steel on workpieces with critical surfaces like e.g. zinc, rolling skin, and scale.



Technical data may change.

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