



C16, C16-D, C25, C70 - Compacting Equipment

Resistance Welding Compacting is ideally suited for stranded wires, sensors and Y connectors. It applies an even, intense and massive compression. As compared to ultrasonic methods the surface of a compacted Resistance Welding wire is even and uniform. There are no individual strands in the compacting areas. Compacting delivers an even and uniform wire surface. Combined with the brazing technique compacting is ideally suited to join cables of a large dimension in automotive applications such as the intelligent battery sensor application which allows for smart battery power management. The compacted wire diameter may be up to 16, 25 or 70 mm².

Specifications C16, C16-D, C25, C70 - Compacting Equipment 1/2

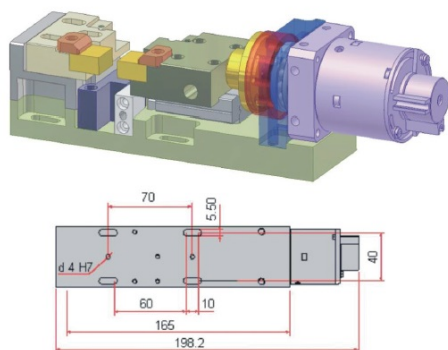
Model	C16	C16D	C25
Configuration	Single or double compacting unit for a copper braid with a diameter of up to 16 mm2	Single or double compacting unit for a copper braid with a diameter of up to 16 mm2	Single compacting unit for a copper braid with a diameter of up to 25 mm2
Air pressure supply	max. 6 bar	max. 6 bar	max. 6 bar
Copper braid diameter	Up to 16 mm2*	Up to 16 mm2*	Up to 25 mm2*
Compacting braid shape	Rectangular or square	Rectangular or square	Rectangular or square
Electrode force, compacting length, distance settings	Depend on application and configuration	Depend on application and configuration	Depend on application and configuration
Environment temp.	0-40 °C	0-40 °C	0-40 °C
Cooling	Water cooled	Water cooled	Water cooled
Options	Digital Resistance Welding Monitoring with MG3	Digital Resistance Welding Monitoring with MG3	Digital Resistance Welding Monitoring with MG3
*	Exact ranges depend on the application. AMADA WELD TECH is pleased to recommend a suitable configuration for compacting devices which meets the specific needs.		
WEIGHT & DIMENSIONS			
Weight approx.	2,5 kg	4 kg	3 kg
Dimensions (LxHxD)	See drawings below	See drawings below	See drawings below

Specifications C16, C16-D, C25, C70 - Compacting Equipment 2/2

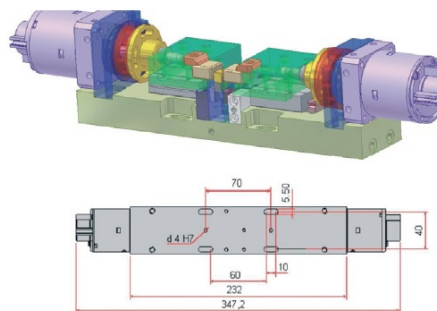
Model	C70
Configuration	Single compacting unit for a copper braid with a diameter of up to 70 mm ²
Air pressure supply	max. 6 bar
Copper braid diameter	Up to 70 mm ² *
Compacting braid shape	Rectangular or square
Electrode force, compacting length, distance settings	Depend on application and configuration
Environment temp.	0-40 °C
Cooling	Water cooled
Options	Digital Resistance Welding Monitoring with MG3
*	
WEIGHT & DIMENSIONS	
Weight approx.	18 kg
Dimensions (LxHxD)	See drawings below

Drawings C16, C16-D, C25, C70 - Compacting Equipment

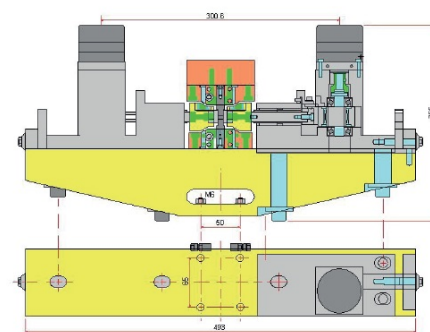
C16 (EXAMPLE)



C16 (EXAMPLE)



C70 (EXAMPLE)



C25 is 10 mm wider and offers a larger turning cylinder than C16.

C25 is made of copper instead of brass.

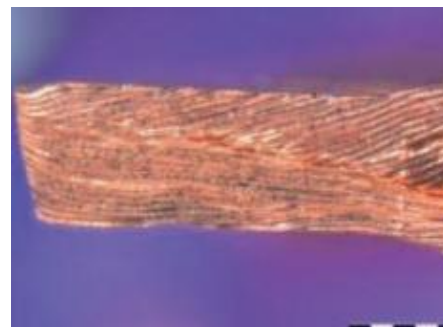
Product applications C16, C16-D, C25, C70 - Compacting Equipment



Automotive



Automotive



Automotive



Electronics

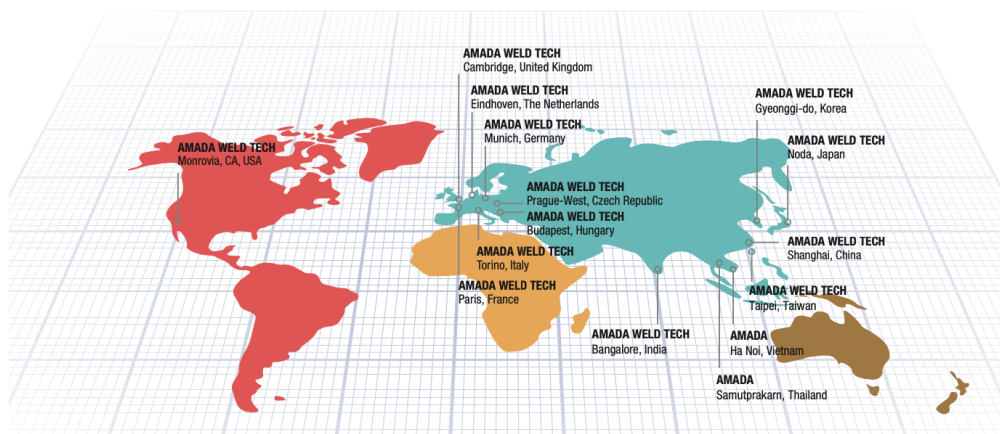
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AMADA WELD TECH

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