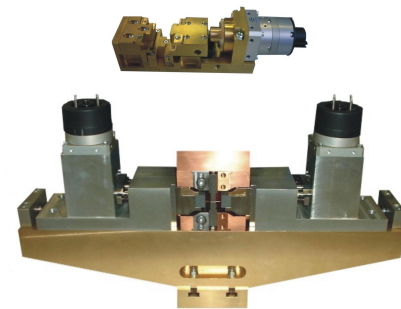


## Compacting Units C16, C16-D, C25, C70

### Benefits of Compacting Units

- 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. An example would be the so called intelligent battery sensor application allows smart battery power management.
- The maximum compacted wire diameter can be as large as 95mm<sup>2</sup>.



### Technical Specifications of Compacting Units

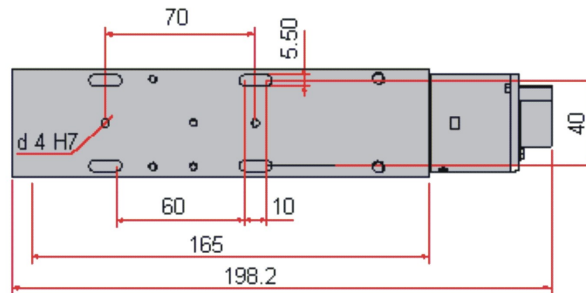
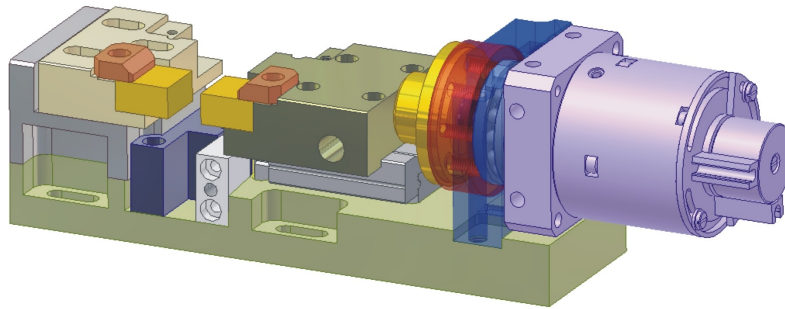
	C16	C16-D	C25	C70
<b>Configuration</b>	Single or double compacting unit for a copper braid with a diameter of up to 16 mm <sup>2*</sup>		Single compacting unit for a copper braid with a diameter of up to 25 mm <sup>2*</sup>	Single compacting unit for a copper braid with a diameter of up to 70 mm <sup>2*</sup>
<b>Air Pressure Supply</b>	max. 6 bar			
<b>Copper Braid Diameter</b>	up to 16 mm <sup>2*</sup>		up to 25 mm <sup>2*</sup>	up to 70 mm <sup>2*</sup>
<b>Compacting Braid Shape</b>	Rectangular or square			
<b>Electrode Force, Compacting Length, Distance Settings</b>	Depend on application and configuration			
<b>Environment Temp.</b>	0-40°C			
<b>Cooling</b>	Water cooled			
<b>Options</b>	Welding Monitor Device MG 3, Water cooling equipment			

\*Exact ranges depend on the application. Miyachi Peco is pleased to recommend a suitable configuration for compacting devices which meets the specific needs

## Weight – Dimensions – Legal Approval of Compacting Units

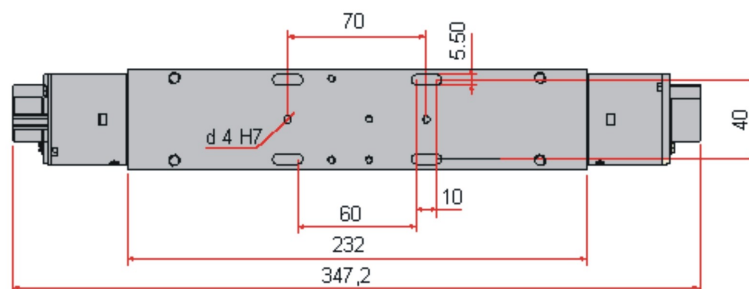
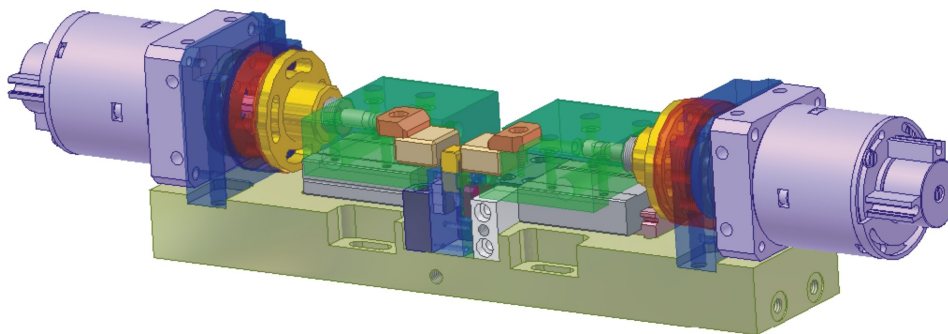
	C16	C16-D	C25	C70
Weight approx.	2,5 kg	4 kg	3 kg	18kg
Dimensions (L x H x D)	see drawings below			
Legal Approval	CE compliant			

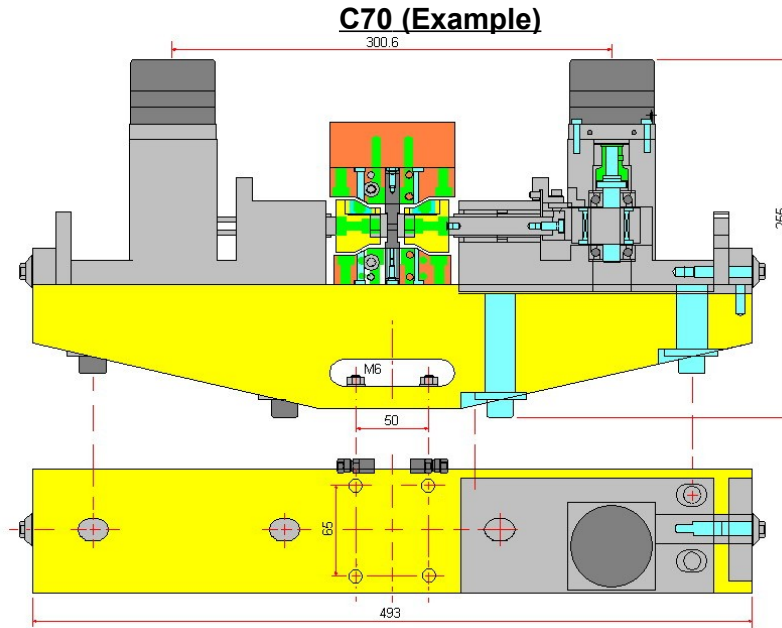
### C16 (Example)



**C25 is 10mm wider and offers a larger turning cylinder than C16.**  
**C25 is made of copper instead of brass.**

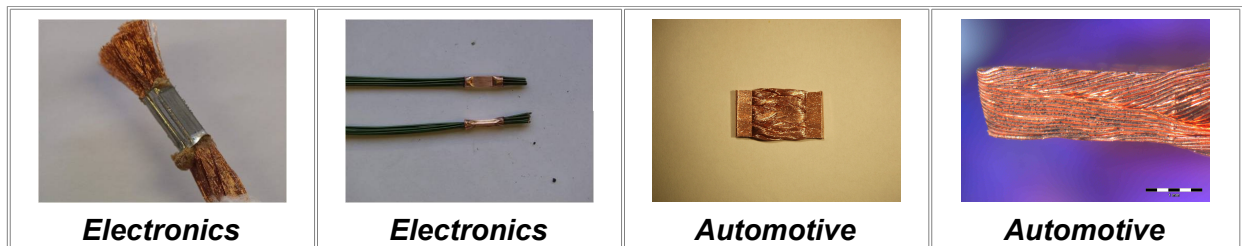
### C16-D (Example)





## Applications Compacting Units

Miyachi Europe has acquired extensive knowledge in resistance welding compacting and brazing technologies and can offer a wide range of feasible applications in the electronics, automotive and batteries industries.



## Configuration Options of Compacting Units

The water cooled Miyachi Peco Compacting Units are designed to be used in combination with Miyachi Peco weld heads and power supplies. Please find more details in the respective Technical Data Sheets of these products.

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