



**Subject:** "Semipak" diode module main rectifiers  
**Number:** 176  
**Date:** 8<sup>th</sup> January 2001  
**From:** Technical & Marketing Manager - Arc Equipment

**MUREX Tradesmig Models: 165, 235, 245 & 285**  
**ESAB Smashweld Models: 160 & 200**  
**With "Semipak" diode module main rectifiers**

The above MIG composites, which were manufactured prior to early 1995, utilised main rectifier assemblies containing modular diodes or "Semipaks". These devices (type MDD04) are no longer made by EWM and, unfortunately, no compatible device is available from any other source (IR, Westinghouse, Semikron, Sanrex, Powrex, etc, etc). Clearly there is a very large number of these machines around and ceasing support on the spare Semipaks would have a significant negative impact on many of our customers.

After early 1995 all the above machines were reengineered to use standard stud diode rectifier assemblies. To that end Esab Group are making available the 4 relevant complete rectifier assemblies for these machines as a replacement for the Semipaks. Note that, in carrying out the conversion, some mechanical adaptation is required by the service engineer.

**In detail therefore:**

1413398 Semipak is no longer available  
1413388 Semipak kit (2 devices) no longer available  
1413389 Semipak kit (3 devices) no longer available

**These are replaced by:**

1415758 Stud Diode Rect. Assy Tradesmig 165/Smashweld 160  
1415759 Stud Diode Rect. Assy Tradesmig 235  
1415172 Stud Diode Rect. Assy Tradesmig 245/Smashweld 200  
1415198 Stud Diode Rect. Assy Tradesmig 285

**The 2001 list prices for the replacement stud diode rectifier assemblies are:**

1415758	Tradesmig 165/Smashweld 160	£125.00
1415759	Tradesmig 235	£200.00
1415172	Tradesmig 245/Smashweld 200	£177.17
1415198	Tradesmig 285	£229.91

Thank you for your co-operation in this regard.

Best regards

**Phil Watkins**

# SERVICE BULLETIN