



Welding of Railway Vehicles and Components according to EN 15085-2

The Company: Dyer Engineering Ltd

Welding Manufacturing Sites: N/A

Address: Harelaw Industrial Estate, North Road, Stanley, Co. Durham, DH9 8HJ

Is certified to perform welding under certification level CL 1 according to EN 15085-2

Field of application: The fabrication and welding of carbon-manganese steels, stainless steels and aluminium/aluminium alloys in conjunction with new build and refurbishment of railway vehicles and components to drawings and customer specifications WITHOUT DESIGN. A small welding manufacturer with a single shop.

Range of Certification:

Welding Process according to EN ISO 4063	Material Group according to CEN ISO/TR 15608	Dimensions
131:MIG with solid wire	Group 22.1 Aluminium–manganese alloys	1,5mm – 6mm
	Group 22.2 Aluminium–magnesium alloys with Mg ≤ 1.5 %	
	Group 22.3 Aluminium–magnesium alloys with 1.5 % < Mg ≤ 3.5%	
	Group 22.4 Aluminium–magnesium alloys with Mg > 3.5%	
	Group 23.1 Aluminium–magnesium–silicon alloys	
135:MAG with solid wire	Group 1 Carbon steels $R_{eH} \leq 360N/mm^2$	BW 3mm – 30mm FW ≥ 3mm
	Group 8 Austenitic stainless steels with Cr ≤ 19%	BW 3mm – 30mm FW ≥ 1,4mm
	Group 8 Austenitic stainless steels with Cr ≤ 19% welded to Group 1 Carbon steels $R_{eH} \leq 360N/mm^2$	BW 7,5mm – 40mm FW ≥ 5mm
136:MAG with flux-cored wire	Group 1 Carbon steels $R_{eH} \leq 360N/mm^2$	BW 3mm – 100mm FW ≥ 5mm
	Group 8 Austenitic stainless steels with Cr ≤ 19%	BW 3mm – 40mm FW ≥ 3mm
	Group 8 Austenitic stainless steels with Cr ≤ 19% welded to Group 1 Carbon steels $R_{eH} \leq 360N/mm^2$	FW ≥ 5mm

141:TIG	Group 1 Carbon steels $R_{eH} \leq 360N/mm^2$	BW 3mm – 24mm
		FW 1,75mm – 24mm
	Group 8 Austenitic stainless steels with $Cr \leq 19\%$	BW 3mm – 12mm
		FW 3mm – 16mm
	Group 8 Austenitic stainless steels with $Cr \leq 19\%$ welded to Group 1 Carbon steels $R_{eH} \leq 360N/mm^2$	FW 3mm – 6mm
	Group 22.1 Aluminium-manganese alloys	FW 3mm – 10mm
	Group 22.2 Aluminium-magnesium alloys with $Mg \leq 1.5\%$	
	Group 22.3 Aluminium-magnesium alloys with $1.5\% < Mg \leq 3.5\%$	
	Group 22.4 Aluminium-magnesium alloys $> 3.5\%$	
	Group 23.1 Heat treatable alloys: Al-Mg-Si alloys welded to Group 22 Non-heat-treatable alloys: Aluminium-manganese alloys	FW 3mm – 10mm
Group 23.1 Heat treatable alloys: Al-Mg-Si alloys	BW 3mm – 12mm	
	FW 3mm – 40mm	

Responsible Welding Coordinator:

Mr Keith Temperley MWeldI, HNC Mechanical Engineering (d.o.b 23/04/1950) Level A

Deputy Responsible Welding Coordinator:

Mr Lloyd Anderson EngTech TechWeldI, CSWIP 3.2.1 Senior Welding Inspector (d.o.b 14/10/1976) Level B

Certificate Number: CWRVC/039/GB

Valid Until: 17 September 2023

(subject to satisfactory periodic surveillance)

Issued On: 1 February 2023

Head of Manufacturer Certification Body, TWI Certification Ltd

Issued by: TWI Certification Ltd, Granta Park, Great Abington, Cambridge, CB21 6AL, UK