

Certificate

Certification number SP AF 020

This is to certify that the flash butt welds produced by the stationaire flash butt welding machine the Schlatter Type GAAS 80/580, Number AS 1.2653.2716 of

voestalpine Railpro b.v.
Hilversum, the Netherlands

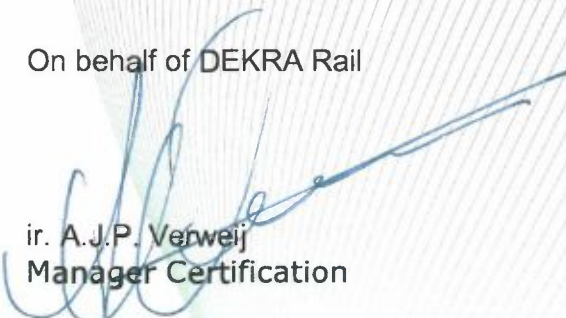
has been approved for butt joints in:

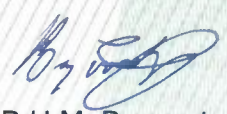
54E5 370LHT to 54E5 370LHT

in accordance with the specification RLN00127, version 004, d.d. 01-02-2019. Details are mentioned in annex 1 and 2.

Original Approval : April 2004
Current Certificate : July 2020
Certificate Expiry : July 2023

On behalf of DEKRA Rail


ir. A.J.P. Verweij
Manager Certification


B.H.M. Buyvoets
IWT nr.: 118

Welding Qualification Approval Record – Certificate

Nummer: SP AF 020
Number: Annex 1

Kenmerk:
Designation: See AEAT/04/3600176/002

Keuringsinstantie:
Test body: DEKRA Rail bv

Opdrachtgever:
Employer: voest Alpine Railpro b.v.

Datum van uitgifte:
Date of issue: July 2020

Adres:
Address: Nieuwe Crailoseweg 8
Place: 1222 AB Hilversum, the Netherlands

	Details van de proeflas Weld test details	Geldigheidsgebied Range of approval	
Lasproces Welding process		Afbrandstuiklassen (241) Flash-butt welding (241)	
Spoorstaaf type Rail type	54E5 to 54E5	54E1, 54E5	
Soort verbinding Joint type		Stuiklas Butt weld	
Basismateriaal groep(en) Parent metal group(s)	370LHT to 370LHT	370LHT to 370LHT	
Lasmachine fabrikant Welding machine manufacturer	the Schlatter	the Schlatter	
Lasmachine identificatie Welding machine identification			
Machine type Machine type	Type GAAS 80/580	Type GAAS 80/580	
Machine nummer Machine number		Number AS 1:2653:2718	
Lasmachine/Bedieners identificatie Welding machine/Operators identification	Zie rapport: See report:	AEAT/04/3600176/002	
Laspositie Welding position	n.v.t. n.a.	n.v.t. n.a.	
Voorbehandeling Gouging / backing	n.v.t. n.a.	n.v.t. n.a.	
Aard van de beproeving Type of testing	Acceptatie criteria Acceptation criteria	Acceptabel / niet vereist Acceptable / not required	Opmerkingen Remarks
Visueel Visual		Acceptabel Acceptable	Upper side of the foot grinded
Geometrie Geometrically		Acceptabel Acceptable	
Magnetisch onderzoek Magnetic particle inspection		Acceptabel Acceptable	
Penetrant Dye penetrant		Acceptabel Acceptable	
Buig/breuktest Bend/Break test		Acceptabel Acceptable	
Vermoeingsproef Fatigue test		Acceptabel Acceptable	
Hardheidsmetingen Hardness measurements		Acceptabel Acceptable	
Macro-onderzoek Macro-examination		Acceptabel Acceptable	
Micro-onderzoek Micro-examination		Acceptabel Acceptable	
Aanvullende beproevingen Additional tests		Niet vereist Not required	
	Vakkennis Job knowledge	Acceptabel Acceptable	Niet beoordeeld Not tested
	Aparte bladen toegevoegd indien vereist Append separate sheet(s) if required	JA / Yes NEE / No	
	Aanvullende informatie beschikbaar op Additional information is available on	Zie rapport: See report,	

Kwalificatie geldig tot:
Validity of approval until: July 2023

AEAT/04/3600176/002, d.d. April 2004

Datum:
Date:
09 June 2020

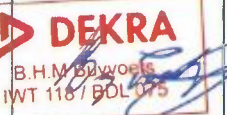
Handtekening:
Signature:

DEKRA
B.H.M. Buyvoets
IWT 118 / BDL 075
B.H.M. Buyvoets IWT nr.: 118

Verlenging
Prolongation

Nummer
Number **SP AF 020** annex 2

Verlenging door beoordelaar met 3 jaar
Authorized prolongation for the following 3 years

Herkwalificatie rapportnummer Re-qualification report number	Datum Date	Handtekening Signature	Herkwalificatie rapportnummer Re-qualification report number	Datum Date	Handtekening Signature
		Functie of titel Position or title			Functie of titel Position or title
AEAT/06/50441/002 AEAT/06/50441/B02 AEAT/06/50441/004	April 2006 June 2006 April 2006		DR/18/180004.005/003 DR/18/180004.005/005	07 February 2018 26 december 2018	
DeltaRail/08/80370/003/002 DeltaRail/08/80370/003/003	June 2008 June 2008		DR/20/190524.001/004 DR/20/190524.001/006	29 May 2020 08 June 2020	
DeltaRail/10/10234.012/001 DeltaRail/10/10234.012/003	August 2010 September 2010				
DeltaRail/12/110165.024/001 DeltaRail/12/110165.024/002	May 2012 June 2012				
Plurel/14/130497.006/009 Plurel/14/130497.006/010	August 2014 November 2014				
DR/16/150541.005/004 DR/16/150541.005/006	31 March 2016 23 May 2016				