VCA Headquarters
1 The Eastgate Office Centre
Eastgate Road
Bristol, BS5 6XX
United Kingdom

Switchboard: +44 (0) 117 951 5151
Direct line: +44 (0) 117 952
Main Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
Web: www.vca.gov.uk

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE GRANTING OF EEC TYPE APPROVAL AS A COMPONENT OF MECHANICAL COUPLING DEVICES FOR MOTOR VEHICLES AND THEIR TRAILERS PURSUANT TO DIRECTIVE 94/20/EC OF 30 MAY 1994 (STU)

Type Approval No(1): e11*94/20*0387*02

Reason(s) for Extension: To cover:

1. Modified make
2. Change of name of manufacturer
3. Adaptation of some drawings
4. Modified technical report number
5. Change of name of technical service

Section I

0.1 Make (trade name of manufacturer): +GF+, SAF, Holland, SAF Holland

0.2 Type and general commercial description(s): 101.50.1, mounting plate

0.3 Means of identification of type if marked on the component(2): On manufacturer's plate

0.3.1 Location of that marking: Manufacturer's plate fixed in the center of the flat side of the mounting plate or embossed straight into the plate

0.5 Name and address of manufacturer:

SAF-Holland Verkehrstechnik GmbH
Julius-Bührer-Strasse
78224 Singen
Germany

0.7 In the case of components and separate technical units, location and method of affixing of the EEC approval mark: Manufacturer's plate fixed in the center of the flat side of the mounting plate or embossed straight into the plate

0.8 Name(s) and address(es) of assembly plants: As section 0.5 above

SECTION II

1. Additional information (where applicable): See Appendix I

2. Technical service responsible for carrying out the tests: TÜV SÜD Automotive GmbH

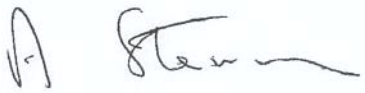
3. Date of test report: As before and 03 March 2010

4. Number of test report: 10-00178-CX-GBM up to Ext 02

5. Remarks (if any): See Appendix I

6. Place: BRISTOL

7. Date: 15 MARCH 2010

8. Signature: 

A. W. STENNING
Head of Technical and Quality Group

9. The index to the information package lodged with the competent authority that has granted type approval, which may be obtained on request, is attached.

(1) The EEC type approval number appearing on this document shall consist of all sections outlined in Annex VII to Directive 70/156/EEC as last amended by Directive 92/53/EEC. The component itself shall be marked as prescribed in the relevant separate Directive.

(2) If the means of identification of type contains characters not relevant to describe the component types covered by this type approval certificate such characters shall be represented in the documentation by the symbol `?' (e.g. ABC??123??).

APPENDIX I

to EEC Type Approval Certificate No: e11*94/20*0387*02

concerning the component type-approval of mechanical coupling devices with regard to Directive 94/20/EC

1. ADDITIONAL INFORMATION

1.1 Class of type of coupling: J, 101.50.1

1.2 Categories or types of vehicles for which the device is designed or restricted: N3

1.3 Maximum D-value: 220 kN

1.4 Maximum vertical load S at the coupling point: Not applicable

1.5 Maximum load U at the fifth wheel coupling point: 36000 kg

1.6 Maximum V-value: Not applicable

1.7 Instructions for attachment of the coupling type to the vehicle and photographs or drawings of the fixing points at the vehicle given by the manufacturer; additional information if the use of the coupling type is restricted to special types of vehicles: See manufacturers documentation

1.8 Information on the fitting of special towing brackets or mounting plates: See manufacturers documentation

5. Remarks[(1)]: None

[(1)] Including information as to whether fifth wheel couplings are unsuitable for positive steering.

VCA Headquarters
1 The Eastgate Office Centre
Eastgate Road
Bristol, BS5 6XX
United Kingdom

Switchboard: +44 (0) 117 951 5151
Direct line: +44 (0) 117 952
Main Fax: +44 (0) 117 952 4103
Email: enquiries@vca.gov.uk
Web: www.vca.gov.uk

APPROVAL NUMBER: e11*94/20*0387*02

INFORMATION PACKAGE CONTENTS

INDEX

REVISION NUMBER: 02 (Two)

Total number of sheets:	03 (Three)
Number of separate drawings:	0 (Nil)
Number of separate photographs:	0 (Nil)

Reasons for Revision: See approval certificate

Revision date
&
Office stamp

15-Mar-10
UK Approval Authority

EAK216679

SAF Holland
Verkehrstechnik GmbH

Information Document
No. 101.50.1 / 02

relating to the ECC type Approval as a component of Mechanical Coupling Devices for Motor Vehicles and their Trailers (94/20/EEC)

0. GENERAL

0.1	Make (trade name of manufacturer):	Alternativ +GF+, SAF, Holland, SAF-Holland	
0.2	Type and general commercial description(s):	101.50.1 , variant: 662 101 274	
0.3	Means of identification of type if marked on the vehicle		
0.3.1	Location of that marking:	manufacturer plate fixed by rivets or adhesive in the center of the flat side of the mounting plate - or (embossed) straight into the plate	
0.5	Name and address of manufacturer:	SAF-Holland Verkehrstechnik GmbH, Julius-Bührer-Strasse D-78224 Singen	
0.8	Name and address of assembly plants	SAF-Holland Verkehrstechnik GmbH, Julius-Bührer-Strasse D-78224 Singen	

1. CONNECTIONS BETWEEN DRAWING VEHICLES AND TRAILERS AND SEMI-TRAILERS

1.1	Detailed technical description (including drawings and materials specifications) of the type of the mechanical device	see enclosures	
1.2	Class and type of the coupling device(s):	J / 101.50.1	
1.3	Maximum D-value	220	kN
1.4	Maximum vertical load S at the coupling point		kg
1.5	Maximum load U at the fifth wheel coupling	36	t
1.6	Maximum V-value		kN

1.7 Instructions of attachment of the coupling type to the vehicle and photographs or drawing of the fixing points at the vehicle given by the manufacturer; additional information if the use of the coupling type is restricted to special types of vehicles:

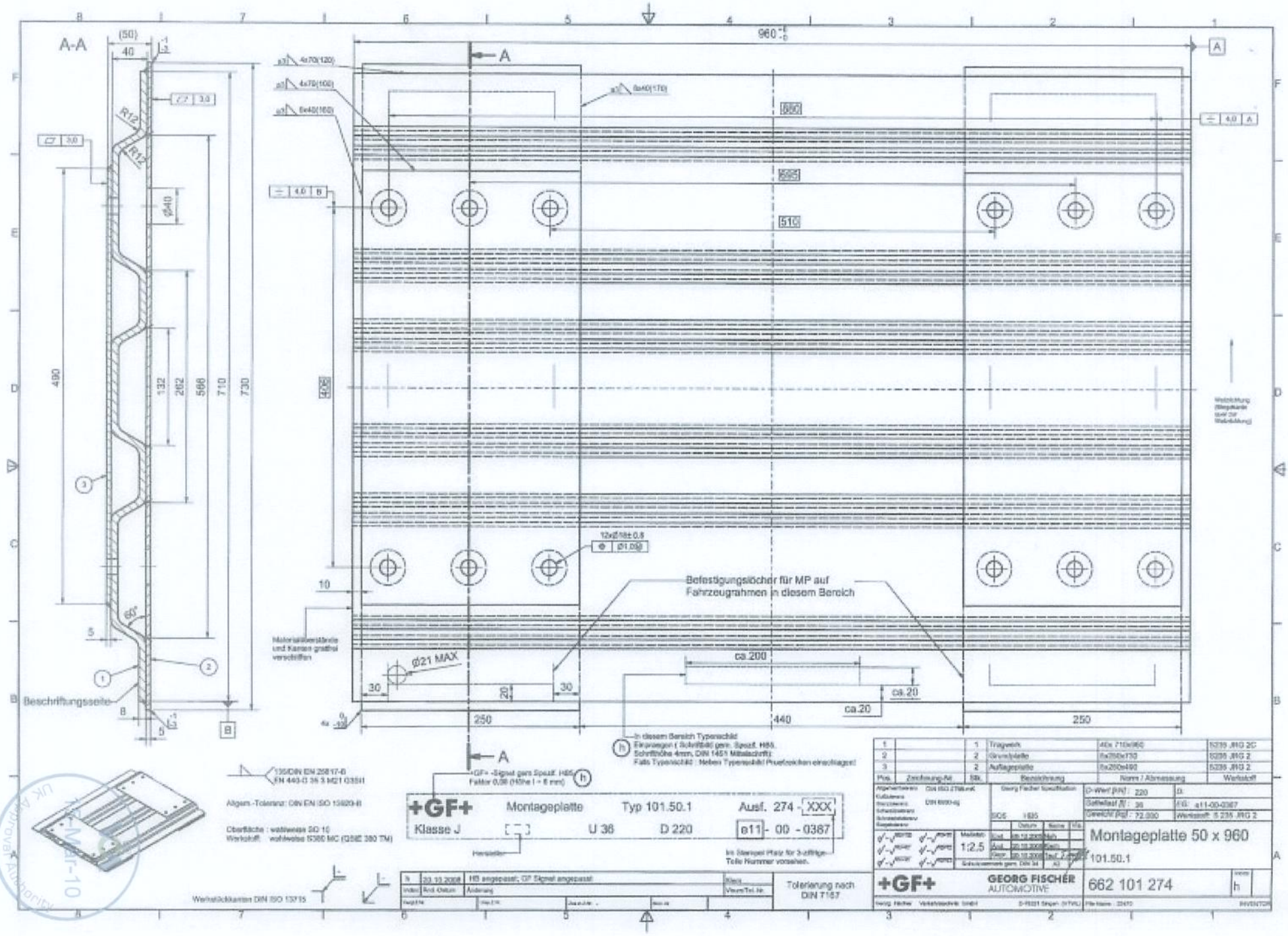
1.8 Information of the fitting of special towing brackets or mounting plates:

Date: 24. April 2009

Sign: Alan Feltham

Mounting plate 101.50.1

enclosures	drawing no.	date
Information Document	No. 101.50.1 / 02	24.04.2009
drawing Mounting plate	662 101 274 h including modification dated	27.10.1981 20.10.2008


A-A
960
Befestigungslöcher für MP auf Fahrzeugrahmen in diesem Bereich
Beschriftungsseite
ca.200
ca.20
250
440
250
Montageplatte
Typ 101.50.1
Ausf. 274 - XXX
Klasse J
U 36
D 220
e11 - 00 - 0367
Montageplatte 50 x 960
101.50.1
662 101 274
GEORG FISCHER
AUTOMOTIVE
Tolerierung nach DIN 7167
Maßstab 1:2.5

TÜV SÜD AUTOMOTIVE GMBH
Daimlerstr. 11
D-85748 Garching

Telefax: +49 - (0)89 - 32950 -720

Automotive

TECHNICAL REPORT
10-00178-CX-GBM Extension 02

(Continuation to technical report no. 360-0056-97 Amendment 01)
(Approval number e11*94/20*0387*)

Test according to the EC-directive for mechanical coupling devices of motor vehicles and their trailers and their attachment to those vehicles

No. 94/20/EC dated 1994-05-30 including all modifications until today

Reason for extension:

- modified make
- change of name of manufacturer
- adaptation of some drawings
- modified technical report number
- change of name of technical service

0. Technical description

0.1.	Make:	+GF+, SAF, Holland, SAF Holland
0.2.	Type/commercial description:	101.50.1, mounting plate
0.3.	Means of identification of type/model:	on manufacturer´s plate
0.3.1.	Location of this marking:	manufacturer´s plate fixed in the centre of the flat side of the mounting plate or embossed straight into the plate
0.5.	Name and adress of the manufacturer:	SAF-Holland Verkehrstechnik GmbH, Julius-Bührer-Strasse, D-78224 Singen
0.7.	location and method of affixing the EEC approval mark:	manufacturer´s plate fixed in the centre of the flat side of the mounting plate or embossed straight into the plate
0.8.	Name and address of assembly plants:	SAF-Holland Verkehrstechnik GmbH, Julius-Bührer-Strasse, D-78224 Singen

I. Additional informations:

1.1.	Class and type of the coupling:	J, 101.50.1
1.2.	Categories or types of the vehicles:	N3
1.3.	Maximum D-value in kN:	220
1.4.	Maximum load U at the fifth wheel coupling in kg:	36000

1.7. Instructions for attachment of the coupling type to the vehicle and photographs or drawings of the fixing points at the vehicle given by the manufacturer; additional information if the use of the coupling type is restricted to special types of vehicles:

see enclosure

II. Test record

2.1. Test conditions

Due to the kind of modification there was not necessary to perform a new test,
The test results of basic test report remain valid.

A) Dynamic test:

Horizontal test load	F_{hw}=		± 148,5 kN
Vertical test load	F_{so}=		400,0 kN
	F_{su}=		133,0 kN
Frequency	**1st million**	f =	3,1 Hz
	2nd million	f =	3,0 Hz
			(changed after $1x10^6$ cycles)
Load cycles			2×10^6

C) Static lifting test:

lifting force $F_{A0,2}$: (deformation < 0,2%)	333,5 kN
lifting force $F_{A0,2}$: (deformation < 0,2%)	440 kN

2.2. Test result

After the tests there was no cracking or deformation which has any effect on the function on the test objects.

3. Date of Test: 11.11.1991

TÜV SÜD AUTOMOTIVE GMBH
Daimlerstr. 11
D-85748 Garching

Telefax: +49 - (0)89 - 32950 -720

Automotive

III. Enclosures

See information document Nº 101.50.1 / 02 dated 24.04.2009

IV. Final Confirmation

The mounting plate for fifth wheel couplings type 101.50.1 corresponds to the EC directive No. 94/20/EC dated 30.05.1994 including all modifications no. 2006/96/EC.

Test equipment, facilities and test site fulfilled the requirements of the applicable legislation.

This technical report consists of sheet 1 to 3.

Sachverständiger Prüflabor DIN EN ISO/IEC 17025 TÜV SÜD Automotive GmbH

Garching, 03.03.2010

Dipl.-Ing. Marcel Stephan

15-Mar-10 UK Approval Authority