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## THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

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### 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)

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Type Approval No<sup>(1)</sup>: e11\*94/20\*0385\*02

Reason(s) for Extension: To cover:

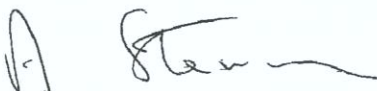
1. Modified make
2. Change of name of manufacturer
3. Adaptation of some drawings

#### Section I

- 0.1 Make (trade name of manufacturer): +GF+, SAF, Holland, SAF Holland
- 0.2 Type and general commercial description(s): 101.16.1, mounting plate
- 0.3 Means of identification of type if marked on the component<sup>(2)</sup>: 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: 06-00582-CX-GBM up to Extension 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\*0385\*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, 101.16.1
  - 1.2 Categories or types of vehicles for which the device is designed or restricted: N3
  - 1.3 Maximum D-value: 280 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<sup>(1)</sup>: None

<sup>(1)</sup> Including information as to whether fifth wheel couplings are unsuitable for positive steering.



|                    |                                  |             |
|--------------------|----------------------------------|-------------|
| Techn. Report No.: | 06-00582-CX-GBM Extension 02     | 94/20/EC    |
| Manufacturer:      | SAF-HOLLAND Verkehrstechnik GmbH |             |
| Type:              | 101.16.1                         | Page 1 of 3 |

**TECHNICAL REPORT**  
**06-00582-CX-GBM Extension 02**  
(Approval number e11\*94/20\*0385\*)

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

**0. Technical description**

- 0.1. Make: +GF+, SAF, Holland, SAF Holland
- 0.2. Type/commercial description: 101.16.1, 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 address 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





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|--------------------|----------------------------------|-------------|
| Techn. Report No.: | 06-00582-CX-GBM Extension 02     | 94/20/EC    |
| Manufacturer:      | SAF-HOLLAND Verkehrstechnik GmbH |             |
| Type:              | 101.16.1                         | Page 2 of 3 |

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**I. Additional informations:**

- 1.1. Class and type of the coupling: J, 101.16.1
- 1.2. Categories or types of the vehicles: N3
- 1.3. Maximum D-value in kN: 280
- 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 dynamic test, The pervious test results remain valid.

It was not necessary to run a dynamic fatigue tests because the calculation as proof of a sufficient strength was easily possible ((directive 94/20, annex VI; 1.1.).

2.2. Test result

The calculated stresses were less than the maximum permissible stresses of the used material / welds.

3. Date of Test: 20.02.1997





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|--------------------|----------------------------------|-------------|
| Techn. Report No.: | 06-00582-CX-GBM Extension 02     | 94/20/EC    |
| Manufacturer:      | SAF-HOLLAND Verkehrstechnik GmbH |             |
| Type:              | 101.16.1                         | Page 3 of 3 |

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### III. Enclosures

See information document N° 101.16.1 / 02 dated 24.04.2009

### IV. Final Confirmation

The mounting plate for fifth wheel couplings type 101.16.1 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.



Garching, 03.03.2010

Dipl.-Ing. Marcel Stephan

