



TEST REPORT

TEST CENTRE



Statement regarding the mechanical coupling devices of motor vehicles their trailers and their attachment to those vehicles corresponding the Directive of the Council 94/20 EC

- 0.1 Make : Monoflex
- 0.2 Type : 50.60
- Variety : Non-standard miscellaneous coupling device
- Class : S
- 0.5 Name and address of the manufacturer : Monoflex Nordic AB
Nibblegatan 21, Box 14
734 21 Hallstahammar Sweden

- Test conducted by order of : Monoflex Nordic AB
Nibblegatan 21, Box 14
734 21 Hallstahammar Sweden

General : The device complies with the prescriptions mentioned in Annex V of the above mentioned Directive. See drawing/ documentation nr(s) : 50.60EU (total of 17 sheets)

Tests : The tests are carried out according Annex VI of the above mentioned Directive. See Annex(es) to this report, no('s): 1
The installation according section 2.1.1. and 2.1.4. of Annex VII has not been checked.

Conclusion : The mechanical coupling device complies with the stated requirements and there is no objection against approval according to above mentioned Directive.

Test date(s) : 07-11-2007 / 13-11-2007

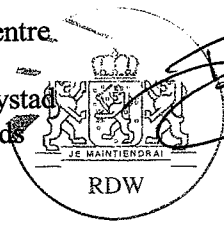
By : X. van den Berg *B*

Agreed : Technical specialist tests,

Lelystad , 28-12-2007
Manager Test Centre,

H. de Rooij

Testcourse|Centre
Talingweg 76
8218 NX Lelystad
the Netherlands



wp5163b.r03/1:1/e

RDW Test centre Lelystad
 Test towing brackets according 94/20 EC

Annex : 1

| IDENTIFICATION OF THE COUPLING DEVICE | |
|---|--------------------------------|
| Make: Monoflex | Type: 50.60 |
| Max. trailer mass (Wr) (R) | : 3500 kg |
| Max. static vertical load | : 140 kg |
| Drawing nr. | : 50.60EU (total of 17 sheets) |
| INFORMATION ABOUT THE VEHICLE FOR WHICH THE COUPLING DEVICE IS INTENDED | |
| Make: Universal | |
| Type: - | |
| Body shape : - | |
| Model year : - | |
| Max. vehicle mass (Wm) (T): 3500 kg | |
| INITIAL CHECK | |
| Identification | pass / fail* |
| Load according specification | pass / fail* |
| Type plate | pass / fail* |
| TESTING | |
| Frequency : 7 Hz | Load : 10,30 kN |
| Test angle : +15° | |
| TEST DATES | |
| Starting date: 07-11-2007 | End date: 13-11-2007 |
| FINAL CHECK | |
| Crack investigation | pass / fail* |
| REMARKS | |
| Identification of testobject : stickernumber 5967 This test is executed in the lowest position with the following dimensions: e = 75 mm & f = 80 mm. | |
| END RESULT: PASS / FAIL* | |

* strike what does not apply

wp5163a.r02/1:1/e



Index to the information package lodged with the RDW:

| | |
|---|------------|
| Index (this page) | 1 sheet |
| Information document no. 5823 (annex III) | 1 sheet |
| Fitting instructions | 6 sheet(s) |
| Type plate example or layout | 1 sheet(s) |
| Drawings of towbar 50.60 | 8 sheet(s) |
| Total of | 17 sheets |

Remark(s):

e4*94/20*3653*00

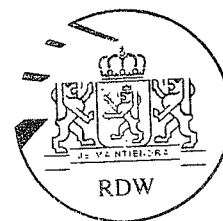
Information document nr. 5823
relating to the EEC type-approval as a component of mechanical coupling
devices for motor vehicles and their trailer (94/20/EC)

0. GENERAL

- 0.1 Make (trade name of manufacturer) : Monoflex
- 0.2 Type and commercial description(s) : 50.60
- 0.5 Name and address of manufacturer : Monoflex Nordic AB
Nibblegatan 21, Box 14
734 21 Hallstahammar Sweden
- 0.7 In case of components and separate technical units, location and method of affixing of the EEC approval mark : Stamped on type plate
- 0.8 Address(s) of the assembly plants :
- | | |
|---|---|
| Monoflex Nordic AB Nibblegatan 21, Box 14 734 21 Hallstahammar Sweden | Monoflex Nordic ApS Industrivej 60 DK 5672 Broby, Denmark |
|---|---|

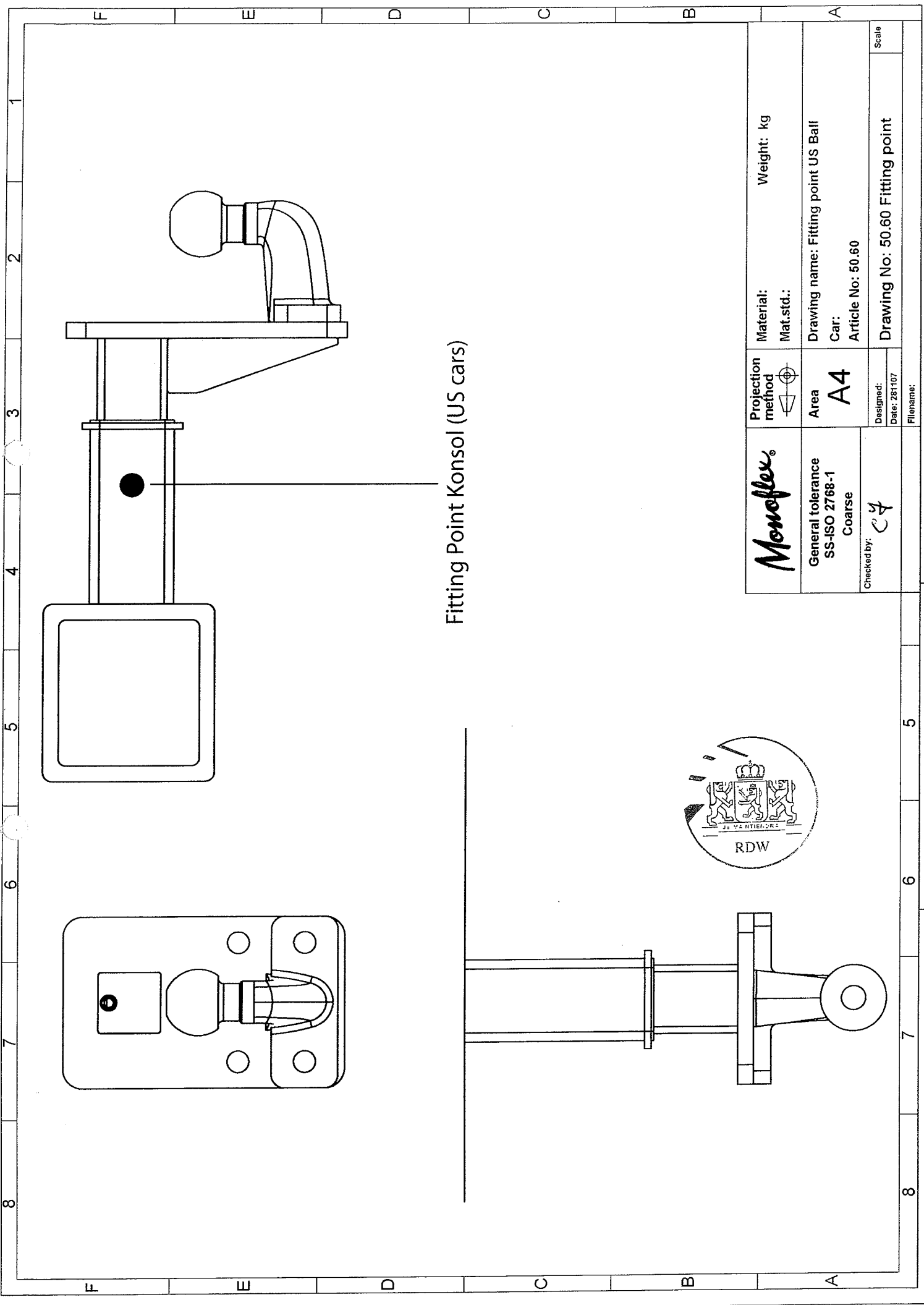
CONNECTION BETWEEN DRAWING VEHICLES AND TRAILERS OR SEMI-TRAILERS

- 1.1 Detailed technical description (including drawings and material specifications) of the type of the mechanical coupling device. : 50.60EU (total of 17 sheets)
- 1.2 Class and type of the coupling device(s) : S
- 1.3 Maximum D-value : 17,17kN
- 1.4 Maximum vertical load S at the coupling point : 140 kg
- 1.5 Maximum load U at the fifth wheel coupling : --- ton
- 1.6 Maximum V-value : --- kN
- 1.7 Instructions for 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 vehicles : See documentation
- 1.8 Information on the fitting of special towing brackets or mounting plates : See documentation



date, 28-12-2007

e4*94/20*3653*00



Fitting Point Konsol (US cars)



Monoflex®

General tolerance
SS-ISO 2768-1
Coarse

Checked by: *CA*

Projection method


Area
A4

Designed:
Date: 28.107
Filename:

Material:
Mat.std.:

Weight: kg
Drawing name: Fitting point US Ball
Car:
Article No: 50.60

Drawing No: 50.60 Fitting point
Scale



RDW

**THE NETHERLANDS
(N E D E R L A N D)**



EC TYPE-APPROVAL CERTIFICATE

Communication concerning the:

- type-approval ⁽¹⁾
- ~~extension of type-approval ⁽⁴⁾~~
- ~~refusal of type-approval ⁽⁴⁾~~
- ~~withdrawal of type-approval ⁽⁴⁾~~

of a type of a component with regard to Directive 94/20/EC.

Type-approval number ⁽²⁾ : e4*94/20*3653*00

Reason for extension : n.a.

Approval mark : See example of type plate

SECTION I

- 0.1. Make (trade name of manufacturer) : Monoflex
- 0.2. Type and general commercial description(s) : 50.60
- 0.3. Means of identification of type if marked on the component ⁽³⁾ : Type approval number
 - 0.3.1. Location of that marking : On type plate
- 0.5. Name and address of manufacturer : Monoflex Nordic AB
Nibblegatan 21, Box 14
734 21 Hallstahammar Sweden
- 07. In the case of components and separate technical units, location and method of affixing of the EEC approval mark : On type plate
- 0.8. Name(s) and address(es) of assembly plant(s) : See information document (annex III, item 0.8)





P.O. Box 777
2700 AT Zoetermeer
The Netherlands

Tel. + 31 (0)79 345 81 43
Fax + 31 (0)79 345 80 43
www.rdw.nl

Vehicle Approval and Information

SECTION II

1. Additional information (where applicable) : see Appendix I
2. Technical service responsible for carrying out the tests : RDW
Test Centre Lelystad
Talingweg 76
8218 NX Lelystad
3. Date of test report : 28-12-2007
4. Number of test report : RDW-94/20-5823
5. Remarks (if any) : see Appendix I
6. Place : Zoetermeer
7. Date : 28-12-2007
8. Signature  D.G. Burger

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:
 - Application form relating to Annex III and annexed drawings.
 - Drawings and instructions for attachment.
 - Fitting instructions.

⁽¹⁾ Delete where not applicable.

⁽²⁾ 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.

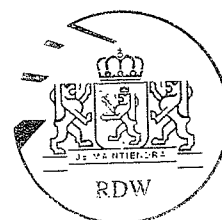
⁽³⁾ In the means of identification of type contains characters not relevant to describe the component types covered by this type-approval certificate such characters shall be represented in the documentation by the symbol “?” (e.g. ABC??123).

APPENDIX I

to EEC type-approval certificate number: e4*94/20*3653*00

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

1. Additional information
- 1.1. Class of the type of coupling : S
- 1.2. Categories or types of vehicles for which the device is designed or restricted : See fitting instructions
- 1.3. Maximum D-value⁽¹⁾ : 17,17 kN
- 1.4. Maximum vertical load S at the coupling point⁽¹⁾ : 140 kg
- 1.5. Maximum load U at the fifth wheel coupling point⁽¹⁾ : --- tonnes
- 1.6. Maximum V-value⁽¹⁾ : --- kN
- 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 fitting instructions
- 1.8. Information on the fitting of special towing brackets or mounting plates⁽¹⁾ : See fitting instructions
5. Remarks⁽²⁾ : The installation of the coupling device on the vehicle must be checked according to the requirements given in Annex VII (see Annex I Paragraph 5.10.)



⁽¹⁾ Delete where not applicable.

⁽²⁾ Including information as to whether fifth wheel couplings are unsuitable for positive steering.