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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

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COMMUNICATION CONCERNING THE APPROVAL EXTENDED OF A TYPE  
OF MECHANICAL COUPLING DEVICE OR COMPONENT, PURSUANT TO  
REGULATION NO 55.01

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Approval No: 55R-012799 Extension No. 01

1. Trade name or mark of the device or component: VBG
2. Manufacturer's name for the type of device or component: 590 V
3. Manufacturer's name and address:  
  
VBG GROUP AB  
Harman Kreftings gata 4  
46228 Vanersborg  
Sweden.
4. If applicable, name and address of the manufacturer's representative: Not applicable
5. Alternative supplier's names or trade marks applied to the device or component: Not applicable
6. Name and address of company or body taking responsibility for the conformity of production:  
  
VBG GROUP AB  
Harman Kreftings gata 4  
46228 Vanersborg  
Sweden
7. Submitted for approval on: 08 October 2010
8. Technical service responsible for conducting approval tests: TÜV SÜD Automotive GmbH

EAL227836



9. Brief description: Automatic drawbar coupling

9.1. Type and class of device or component: 590V, C50-X non standard automatic drawbar coupling.

9.2. Characteristic values:

9.2.1. Primary values:

D 310 kN                      Dc 140 kN                      S 1000 kg  
U.....tonnes V 90 kN

Alternative values:

D..... kN                      Dc 130 kN                      S 2000 kg  
U.....tonnes                      V 63 kN

9.3. For Class A mechanical coupling devices or components, including towing brackets:

Vehicle manufacturer's maximum permissible vehicle mass: kg

Distribution of maximum permissible vehicle mass between the axles:

Vehicle manufacturer's maximum permissible towable trailer mass: kg

Vehicle manufacturer's maximum permissible static mass on coupling ball: kg

Maximum mass of the vehicle, with bodywork, in running order, including coolant, oils, fuel, tools and spare wheel (if supplied) but not including driver: kg

Loading condition under which the tow ball height of a mechanical coupling device fitted to category M1 vehicles is to be measured -see paragraph 2 of annex 7, appendix 1:

10. Instructions for the attachment of the coupling device or component type to the vehicle and photographs or drawings of the mounting points given by the vehicle manufacturer:  
See manufacturer's documentation.

11. Information on the fitting of any special reinforcing brackets or plates or spacing components necessary for the attachment of the coupling device or component: Not applicable.

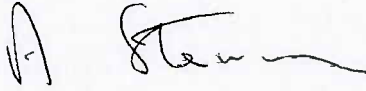
12. Additional information where the use of the coupling device or component is restricted to special types of vehicles - see annex 5, paragraph 3.4. Not applicable.

13. For Class K hook type couplings, details of the drawbar eyes suitable for use with the particular hook type. Not applicable.

14. Date of test report: As before and 19 October 2010

EAL227836



15. Number of test report: 06-00334-CX-GBM Extension 04
16. Approval mark position: On type plate mounted on the coupling head.
17. Reason(s) for extension of approval: To cover,  
1) Added new alternative values.  
2) New machining on coupling jaw.  
3) New rubber bearing version 590 VR.  
4) New pneumatic actuation bracket.  
5) Clearing of addresses
18. Approval GRANTED/EXTENDED/REFUSED/WITHDRAWN <sup>(1)</sup>
19. Place: BRISTOL
20. Date: 20 OCTOBER 2010
21. Signature:  A. W. STENNING  
Head of Technical and Quality Group
22. The list of documents deposited with the Administration Service which has granted approval is annexed to this communication and may be obtained on request.

(1) Strike out what does not apply.

# VBG GROUP

## INFORMATION DOCUMENT No 590V+04-Idoc

relating to the EEC and UNECE type-approval as a component of mechanical coupling devices for motor vehicles and their trailers (94/20/EC and R55).

0. GENERAL
- 0.1. Make (trade name of manufacturer): VBG
- 0.2. Type and commercial description(s): 590 V
- versions: 590 V (standard manual)  
optional: 590 V - B (B-handle manual)  
590 V R (reinforced)  
590 V - PA (with air actuator)  
590 V - AM (air mechanism)  
590 V R - AM (reinforced with air mechanism)
- 0.5 Name and address of manufacturer: VBG GROUP AB  
Herman Kreftings gata 4  
S-462 28 Vänersborg  
Sweden
- 0.7. Location and method of affixing of the EEC approval mark:  
Type-plate on the left side of the drawbar
- 0.8 Address(es) of assembly plant(s): VBG GROUP TRUCK EQUIPMENT AB  
Tenggrenstorpsvägen 11  
S- 462 28 Vänersborg  
Sweden
1. CONNECTIONS BETWEEN DRAWING VEHICLES AND TRAILERS AND SEMITRAILERS
- 1.1. Detailed technical description (including drawings and material specifications) of the type of the mechanical coupling device:  
Automatic rubber buffered drawbar coupling intended for standard drawbar eye 50 mm.  
Overall dimensions: See enclosed data.  
Drawings and material specifications: See enclosed list.
- 1.2. Class and type of coupling device(s): C 50-X, Non-standard drawbar couplings 50
- 1.3. Maximum D-value: 310 kN 310 kN maximum  
Dc-value: 140 kN 130 kN  
and and
- 1.4. Maximum vertical load S at the coupling point: 1000 kg 2000 kg  
and and
- 1.6. Maximum V-value: 90 kN 63 kN
- 1.5. Maximum load U at the fifth wheel coupling: not applicable
- 1.7. Instructions for attachment of the coupling type to the vehicle, additional information regarding restrictions of use to special types of vehicles:  
Mounting dimensions 160x100 according to ISO 3584, weight category 3.

2010-10-08 JON

