



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

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



Approval No: E11*55R01/09*8476*05

1. Trade name or mark of the device or component: VBG
2. Type of device or component: 590V-2
3. Manufacturer's name and address:

VBG Group AB
Herman Kreftings gata 4
S-46228 Vänersborg
Sweden
4. If applicable, name and address of the manufacturer's representative: Not applicable
5. Alternative supplier's names or trademarks applied to the device or component: Not applicable
6. Name and address of company or body taking responsibility for the conformity of production:
See item 3
7. Submitted for approval on: As before and 27 October 2021
8. Technical service responsible for conducting approval tests: TÜV SÜD Auto Service GmbH
9. Brief description: Non-standard drawbeam coupling clevis type 50mm
- 9.1. Type and class of device or component: 590V-2, C 50-X

9.2. Characteristic values:

9.2.1. Primary values:

D 285 kN

D_c 140 kN

S 1000 kg

U - tonnes

V 90 kN

Alternative values:

D - kN

D_c 130 kN

S 2000 kg

U - tonnes

V 63 kN

9.3. For Class A mechanical coupling devices or components, including towing brackets: Not applicable

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 ⁽¹⁾ vehicles is to be measured -see paragraph 2 of Annex 7, Appendix 1:

9.4. For class B coupling heads, is the coupling head intended to be fitted to an unbraked O₁ trailer: Not applicable

10. Instructions for the attachment of the coupling device or component type to the vehicle and photographs or drawings of the mounting points (see Annex 2, Appendix 1) given by the vehicle manufacturer: See manufacturer's documentation, mounting instruction.
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 (see Annex 2, Appendix 1): 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 27 October 2021
15. Number of test report: 12-00413-CX-GBM Extension 05
16. Approval mark position: Label on the coupling head, left side
17. Reason(s) for extension of approval:
Regression of approval to an earlier series of amendments - R55.01 Supplement 09.
18. Approval EXTENDED
19. Place: BRISTOL
20. Date: 12 NOVEMBER 2021
21. Signature:



C McCABE
Chief Technical and Statutory Operations Officer

22. The list of documents deposited with the Type Approval Authority which has granted approval is annexed to this communication and may be obtained on request.

Any remarks: None

- (1) As defined in the Consolidated Resolution on the Construction of Vehicles (R.E.3.), document ECE/TRANS/WP.29/78/Rev.3, para. 2 - www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html.



Vehicle
Certification
Agency

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APPROVAL NUMBER: E11*55R01/09*8476*05

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: 02 (Two)

Conformity of Production (COP) Declaration	COP Confirmed
Assessment Method	COP Audit
Date of Initial Clearance	- Pre 2013
Date of Last Clearance	May 2021

Total number of sheets: 05 (Five)

Reasons for Revision: See approval certificate

Revision Date
&
Office Stamp

EAY549140



VBG GROUP

INFORMATION DOCUMENT No 590V-2-R55+05-Idoc, approval no E11 55R 018476

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

0. GENERAL

- 0.1. Make (trade name of manufacturer): VBG
- 0.2. Type and commercial description(s): 590V-2
versions: 590VR-2 (reinforced manual)
590VR-2 – PA L/S (reinforced with air actuator)
590VR-2 – AM (reinforced air mechanism)
590VR-3 S/S (reinforced manual)
590VR-3 – PA L/S (reinforced with air actuator)
590VR-3 – AM (reinforced 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 ECE approval mark:

Type plate is riveted on the left side of the drawbar coupling

- 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 mm

- 1.3. Maximum D-value: 285 kN 285 kN
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.
See enclosed mounting instructions.

- 1.8. Information on the fitting of special towing brackets or mounting plates:
Not applicable

