



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*9921*03

1. Trade name or mark of the device or component: RINGFEDER or VBG

2. Type of device or component:
5050G4

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 29 October 2021

8. Technical service responsible for conducting approval tests: TÜV SÜD Auto Service GmbH

9. Brief description: Standard 50mm pin diameter clevis type drawbar-coupling 50

9.1. Type and class of device or component: 5050G4, C50-4

9.2. Characteristic values:

9.2.1. Primary values:

D 100 kN

D_c 70 kN

S 900 kg

U - tonnes

V 25 kN

Alternative values: Not applicable

D kN

D_c kN

S kg

U tonnes

V 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 29 October 2021
15. Number of test report: 13-00838-CX-GBM Extension 03
16. Approval mark position: Label on the coupling head
17. Reason(s) for extension of approval:
 - 1) Regression of approval to an earlier series of amendments - R55.01 Supplement 09
 - 2) Existing version "RF50G4" now named in information document
18. Approval EXTENDED
19. Place: BRISTOL
20. Date: 16 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.

Information Document No **5050G4**

relating to the ECE Type Approval as a component of mechanical coupling devices for vehicles and their trailers (ECE 55-01).

0. GENERAL

- 0.1. Make (trade name of manufacturer): **RINGFEDER or VBG**
- 0.2. Type and commercial description(s): **Type 5050G4, automatic drawbar coupling with the different Variants from Typ: 5050G4 and RF50G4**
- 0.5. Name and address of manufacturer: **VBG GROUP AB, 46228 Vänersborg, S**
- 0.7. In the case of components and separate technical units, location and method of affixing of the ECE approval mark: **On type plate glued or riveted on the coupling head**
- 0.8. Address(es) of assembly plant(s):

**VBG GROUP TRUCK EQUIPMENT AB
S- 462 28 Vänersborg
Sweden**

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

- 1.1. Detailed technical description (including drawings and material specifications) of the type of the mechanical coupling device: **see enclosures**
- 1.2. Class and type of the coupling device(s): **Class C50-4, type 5050G4**
- 1.3. Maximum D-value: **100 kN**
Maximum Dc-value: **70 kN**
- 1.4. Maximum vertical load S at the coupling: **900 kg**
- 1.6. Maximum V-value: **25 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 use of the coupling type is restricted to special types of vehicles:

See Installation- and Operation Instructions

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

Date / Name

29.10.2021 / MH

