



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED <sup>(1)</sup>/ APPROVAL EXTENDED <sup>(1)</sup>/  
APPROVAL REFUSED <sup>(1)</sup>/ APPROVAL WITHDRAWN <sup>(1)</sup>/ PRODUCTION DEFINITELY  
DISCONTINUED <sup>(1)</sup> OF A TYPE OF MECHANICAL COUPLING DEVICE OR COMPONENT,  
PURSUANT TO REGULATION NO 55.01




Approval No: 55R-018246

Extension No: 06

1. Trade name or mark of the device or component: VBG
2. Manufacturer's name for the type of device or component: DB-C7
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: 08 January 2020
8. Technical service responsible for conducting approval tests: TÜV SÜD Auto Service GmbH

9. Brief description: Non-standard drawbeam with endplates to fix on vehicles frame
- 9.1. Type and class of device or component: DB-C7, F
- 9.2. Characteristic values:
- 9.2.1. Primary values:
- |            |                       |           |
|------------|-----------------------|-----------|
| D 200 kN   | D <sub>c</sub> 140 kN | S 1000 kg |
| U - tonnes | V 75 kN               |           |
- Alternative values:
- |            |                       |           |
|------------|-----------------------|-----------|
| D kN       | D <sub>c</sub> 141 kN | S 2000 kg |
| U - tonnes | V 63 kN               |           |
- Alternative values:
- |            |                       |           |
|------------|-----------------------|-----------|
| D - kN     | D <sub>c</sub> 150 kN | S 1000 kg |
| U - tonnes | V 50 kN               |           |
- 9.3. For Class A mechanical coupling devices or components, including towing brackets:  
Not applicable
- Vehicle manufacturer's maximum permissible vehicle mass: Not applicable
- Distribution of maximum permissible vehicle mass between the axles: Not applicable
- Vehicle manufacturer's maximum permissible towable trailer mass: Not applicable
- Vehicle manufacturer's maximum permissible static mass on coupling ball: Not applicable
- Maximum mass of the vehicle, with bodywork, in running order, including coolant, oils, fuel, tools and spare wheel (if supplied) but not including driver: Not applicable
- Loading condition under which the tow ball height of a mechanical coupling device fitted to category M<sub>1</sub><sup>(2)</sup> vehicles is to be measured -see paragraph 2 of Annex 7, Appendix 1:  
Not applicable
- 9.4. For class B coupling heads, is the coupling head intended to be fitted to an unbraked O<sub>1</sub> trailer  
~~YES/NO~~ 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
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: 08 January 2020
15. Number of test report: 12-00949-CX-GBM including extension 06
16. Approval mark position: Label on the rear face of the drawbeam
17. Reason(s) for extension of approval:  
Further endplates extended in order to fix underrun protections
18. Approval ~~GRANTED/EXTENDED/REFUSED/WITHDRAWN~~<sup>(1)</sup>
19. Place: BRISTOL
20. Date: 29 JANUARY 2020
21. Signature:  D LAWLOR  
Chief Technical and Statutory Operations Officer
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.

Any remarks: Not applicable

- (1) Strike out what does not apply.
- (2) 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](http://www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html).

# VBG GROUP

INFORMATION DOCUMENT No DB-C7-R55+06-Idoc Approval no E11 55R-018246

relating to the ECE type-approval as a component of mechanical coupling devices  
for motor vehicles and their trailers (ECE 55R).

## 0. GENERAL

0.1. Make (trade name of manufacturer): VBG

0.2. Type and commercial description(s): DB-C7,

versions: Drawbeam with the length interval 730 – 876 mm separately for centrally mounting in the truck frame and in combination with endplates for semi underslung mounting. See appendix “DB-C7, List of type approved parts”.

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:

On label mounted on rear face of drawbeam.

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:

Drawbeams for mounting of drawbar couplings.  
Overall dimensions: See enclosed information drawings.  
Drawings and material spec.: See enclosed list.

1.2. Class and type of coupling device(s):

Class F, Non-standard drawbeams.

1.3. Maximum D-value: 200 200 200 kN  
Dc-value: 140 141 150 kN

1.4. Maximum vertical load S at the coupling point: 1000 2000 1000 kg

1.6. Maximum V-value: 75 63 50 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:

See enclosed mounting instructions.

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

08.Jan.2020 / MH



**List of Parts included in VBG DB-C7 drawbeam  
Type approval E11 55 R 018246 extension 06**

x= changes

Issue: 08.02.2020 (add B 08-13)

<b>A. Drawbeams with different lengths and for different frame hole patterns.</b>				
Ref.No	Part No *	Type	Marking	Description
A-02	20-1039xx	VBG DB-C7 Scania	VBG 20-1039	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 50x50 mm
A-03	20-1041xx	VBG DB-C7 Scania Short	VBG 20-1041	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 50x50 mm
A-04	20-1042xx	DB-C7 Volvo/RVI Short	VBG 20-1042	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 50x60 mm
A-05	20-1043xx	DB-C7 Volvo/RVI	VBG 20-1043	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 50x60 mm
A-06	20-1048xx	DB-C7 MAN short	VBG 20-1048	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 50x40/50 mm
A-07	20-1049xx	DB-C7 MAN	VBG 20-1049	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 50x40/50 mm
A-08	20-1052xx	DB-C7 DAF short	VBG 20-1052	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 60x60 mm
A-09	20-1053xx	DB-C7 DAF	VBG 20-1053	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 60x60 mm
A-10	20-1056xx	DB-C7 IVECO short	VBG 20-1056	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 45x45 mm
A-11	20-1106xx	DB-C7 IVECO	VBG 20-1106	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 45x45 mm
A-12	20-1114xx	DB-C7 MB short	VBG 20-1114	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 50x45 mm
A-13	20-1115xx	DB-C7 MB	VBG 20-1115	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 50x45 mm
A-14	20-1123xx	DB-C7 MB 50x50 (834)	VBG 20-1123	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 50x50 mm
A-15	20-1124xx	DB-C7 MB 50x50 (822)	VBG 20-1124	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 50x50 mm
A-16	20-1125xx	DB-C7 MB 50x50 (744)	VBG 20-1125	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 50x50 mm
A-17	20-1126xx	DB-C7 MB 50x50 (732)	VBG 20-1126	Drawbeam centrally and semiunderslung mounting adapted for the frame hole pattern 50x50 mm

<b>B. Endplates for semi underslung mounting</b>				
Ref.No	Part No *	Type	Marking	Description
B-01	20-1118xx	EDS Volvo/RVI long	VBG 20-1118 L/R	Drawbeam endplates intended for installation of the drawbeams semi underslung. Intended for the drawbeams 20-1042xx and 20-1043xx.
B-02	20-1119xx	EDS MAN/MB long	VBG 20-1119 L/R	Drawbeam endplates intended for installation of the drawbeams semi underslung. Intended for the drawbeams 20-1048xx, 20-1049xx, 20-1114xx and 20-1115xx.
B-03	20-1120xx	EDS DAF long	VBG 20-1120 L/R	Drawbeam endplates intended for installation of the drawbeams semi underslung. Intended for the drawbeams 20-1052xx and 20-1053xx.
B-04	20-1121xx	EDS IVECO long	VBG 20-1121 L/R	Drawbeam endplates intended for installation of the drawbeams semi underslung. Intended for the drawbeams 20-1056xx and 20-1106xx.

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	B-05	20-1122xx	EDS Scania long	VBG 20-1122 L/R	Drawbeam endplates intended for installation of the drawbeams semi underslung. Intended for the drawbeams 20-1032xx, 20-1039xx and 20-1041xx.
	B-06	20-1130xx	EDS MB 50x50	VBG 20-1130 L/R	Drawbeam endplates intended for installation of the drawbeams semi underslung. Intended for the drawbeams 20-1123xx, 20-1124xx, 20-1125xx and 20-1126xx.
	B-07	21-669100	VFDU Alt. A2	VFDU	Vertical Extension VFDU Alt. A2
x	B-08	21-696500	EDUS 180 Scania	VFUS	EDUS 180 C7 Kit Scania
x	B-09	21-696800	EDUS 180 Volvo/RVI	VFUS	EDUS 180 C7 Kit Volvo/RVI
x	B-10	21-697600	EDUS 180 MAN	VFUS	EDUS 180 C7 Kit MAN
x	B-11	21-697900	EDUS 180 C7 Kit Iveco	VFUS	EDUS 180 C7 Kit Iveco
x	B-12	21-698200	EDUS 180 C7 Kit MB	VFUS	EDUS 180 C7 Kit MB
x	B-13	21-698500	EDUS 180 C7 Kit DAF	VFUS	EDUS 180 C7 Kit DAF

### C. Spacers for adjustment of different frame widths.

Ref.No	Part No *	Type	Marking	Description
C-01	20-1500xx	Spacer 150 t=1	VBG 20-1500	Spacers with 50 mm spacing (4 holes)
C-02	20-1501xx	Spacer 150 t=2	VBG 20-1501	Spacers with 50 mm spacing (4 holes)
C-03	20-1502xx	Spacer 150 t=5	VBG 20-1502	Spacers with 50 mm spacing (4 holes)
C-04	20-1503xx	Spacer 150 t=8	VBG 20-1503	Spacers with 50 mm spacing (4 holes)
C-05	20-1504xx	Spacer 150 t=10	VBG 20-1504	Spacers with 50 mm spacing (4 holes)
C-06	20-1096xx	Spacer 180 60/45 t=1	VBG 20-1096	Spacers with 45 (5 holes) and 60 mm (4 holes) spacing
C-07	20-1097xx	Spacer 180 60/45 t=2	VBG 20-1097	Spacers with 45 (5 holes) and 60 mm (4 holes) spacing
C-08	20-1098xx	Spacer 180 60/45 t=5	VBG 20-1098	Spacers with 45 (5 holes) and 60 mm (4 holes) spacing
C-09	20-1099xx	Spacer 180 60/45 t=8	VBG 20-1099	Spacers with 45 (5 holes) and 60 mm (4 holes) spacing
C-10	20-1100xx	Spacer 180 60/45 t=10	VBG 20-1100	Spacers with 45 (5 holes) and 60 mm (4 holes) spacing
C-11	20-1505xx	Spacer 50/40 t=1	VBG 20-1505	Spacers with 40 to 50 mm spacing (2 holes)
C-12	20-1506xx	Spacer 50/40 t=2	VBG 20-1506	Spacers with 40 to 50 mm spacing (2 holes)
C-13	20-1507xx	Spacer 50/40 t=5	VBG 20-1507	Spacers with 40 to 50 mm spacing (2 holes)
C-14	20-1508xx	Spacer 50/40 t=8	VBG 20-1508	Spacers with 40 to 50 mm spacing (2 holes)
C-15	20-1509xx	Spacer 50/40 t=10	VBG 20-1509	Spacers with 40 to 50 mm spacing (2 holes)

\* The part.no ends with "xx" for different colour codes.