



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*55R01/10*8244*22

1. Trade name or mark of the device or component: VBG
2. Type of device or component:
DB75V-2
3. Manufacturer's name and address:

VBG Group AB
Herman Kreftings gata 4
S-462 28 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:
Same as in 3.
7. Submitted for approval on: 06 April 2023
8. Technical service responsible for conducting approval tests: TÜV SÜD Auto Service GmbH
9. Brief description:
 - 9.1. Type and class of device or component: DB75V-2, F

EAB598023



9.2. Characteristic values:

9.2.1. Primary values:

D 200 kN
 D_c 130 kN
 S 1000 kg
 U -- tonnes
 V 75 kN

Alternative values:

D -- kN
 D_c 150 or 141 or 130 kN
 S 2000 kg
 U -- tonnes
 V 50 or 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 ⁽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:
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 manufacturers 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: 11 APRIL 2023
15. Number of test report: 11-01173-CX-GBM including extension 22

16. Approval mark position: label on the rear face of the drawbeam
17. Reason(s) for extension of approval: Approved sideplates are manufactured in material with higher mechanical resistance.
18. Approval EXTENDED
19. Place: BRISTOL
20. Date: 02 MAY 2023

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:

- (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*55R01/10*8244*22

INFORMATION PACKAGE CONTENTS

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Reasons for Revision: See approval certificate

Revision Date
&
Office Stamp

EAB598023

An executive agency of the Department for Transport
July 2021 Revision 2
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VBG GROUP

INFORMATION DOCUMENT No DB75V-2-R55+22-Idoc

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): DB75V-2

versions: Drawbeam DB 75V-2, lengths 590-885 mm, separately for centrally mounting in the truck frame, and in combination with endplates for fully underslung mounting. See appendix "VBG DB75V-2, 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 AB
Herman Kreftings gata 4
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	200 kN
Dc-value:	130	130	150	141 kN
	and	and	and	and
1.4. Maximum vertical load S at the coupling point:	1000	2000	1000	1000 kg
	and	and	and	and
1.6. Maximum V-value:	75	63	50	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:

See enclosed mounting instructions.

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

06.04.2023 / MH



List of Parts included in VBG DB75V-2 drawbeam
Type approval E11*55R01/10*8244*22

x= changes

Date: 06.04.2023

A. Drawbeams with different lengths and for different frame hole patterns.				
Ref.No	Part No *	Type	Marking	Description
A-01	20-1067xx	DB75V-2 L=885	VBG 20-1067 Year/Week	Drawbeam centrally or fully underslung mounting
A-02	20-1069xx	DB75V-2 L=850	VBG 20-1069 Year/Week	Drawbeam centrally or fully underslung mounting
A-03	20-1071xx	DB75V-2 L=826	VBG 20-1071 Year/Week	Drawbeam centrally or fully underslung mounting
A-04	20-1073xx	DB75V-2 L=784	VBG 20-1073 Year/Week	Drawbeam centrally or fully underslung mounting
A-05	20-1075xx	DB75V-2 L=770	VBG 20-1075 Year/Week	Drawbeam centrally or fully underslung mounting
A-06	20-1077xx	DB75V-2 L=762	VBG 20-1077 Year/Week	Drawbeam centrally or fully underslung mounting
A-07	20-1079xx	DB75V-2 L=752	VBG 20-1079 Year/Week	Drawbeam centrally or fully underslung mounting
A-08	20-1081xx	DB75V-2 L=728	VBG 20-1081 Year/Week	Drawbeam centrally or fully underslung mounting
A-09	20-1083xx	DB75V-2 L=590	VBG 20-1083 Year/Week	Drawbeam centrally or fully underslung mounting
A-10	20-1108xx	DB75V-2 L=756	VBG 20-1108 Year/Week	Drawbeam centrally or fully underslung mounting
A-11	20-1110xx	DB75V-2 L=766	VBG 20-1110 Year/Week	Drawbeam centrally or fully underslung mounting
A-12	20-1112xx	DB75V-2 L=742	VBG 20-1112 Year/Week	Drawbeam centrally or fully underslung mounting
A-13	20-1510xx	DB75V-2 L=854	VBG 20-1510 Year/Week	Drawbeam centrally or fully underslung mounting
A-14	20-1512xx	DB75V-2 L=790	VBG 20-1512 Year/Week	Drawbeam centrally or fully underslung mounting
A-15	20-1514xx	DB75V-2 L=775	VBG 20-1514 Year/Week	Drawbeam centrally or fully underslung mounting

B. Endplates for fully underslung mounting				
Ref.No	Part No *	Type	Marking	Description
B-01	21-1344xx	EDH-2V	21-1344 L/R Year/Week	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-02	21-1345xx	EDH-2	21-1345 L/R Year/Week	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-03	21-2081xx	EDH-2 MB	21-2081 L/R	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-04	21-2130xx	EDH-3 MAN	21-2130 L/R	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-05	21-2133xx	EDH-3 MB 50x45	21-2133 L/R	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-06	21-2136xx	EDH-3 Scania	21-2136 L/R	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-07	21-2139xx	EDH-3 Volvo	21-2139 L/R	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.

B-08	21-2142xx	EDH-3 DAF	21-2142 L/R	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-09	21-2145xx	EDH-3 IVECO	21-2145 L/R	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-10	21-2148xx	EDH-3 MB 50x50	21-2148 L/R	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-11	21-0051xx	EDM	VBG 21-0191/ 21-0056	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-12	21-0052xx	EDL	VBG 21-0052	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-13	21-1316xx	EDK	21-1316	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-14	21-1327xx	EDK 600	21-1327	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-15	21-1349xx	EDU-2	21-1349 L/R VBG Year/Week	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-16	21-1475xx	EDC-1	21-1475 VBG Year/Week Left/Right	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-17	21-1525xx	EDH-2SKV	21-1518 L/R Year/Week	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-18	21-1526xx	EDH-2SKH Long	21-1521 R 21-1522 L Year/Week	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-19	21-1527xx	EDH-2SKH short	21-1523 R 21-1524 L Year/Week	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-20	21-1642xx	EDMS-2	VBG 21-1642 L/R Year/Week	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-21	21-1673xx	EDHZ	VBG 21-1673 Year/Week	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-22	21-1684xx	EDK Sc	VBG 21-1684 L/R Year/Week	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-23	21-2196xx	EDM-2 Scania	VBG 21-2196	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-24	21-2199xx	EDM-2 Volvo/RVI	VBG 21-2199	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-25	21-2202xx	EDM-2 MAN	VBG 21-2202	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-26	21-2205xx	EDM-2 MB 50x45	VBG 21-2205	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-27	21-2208xx	EDM-2 MB 50x50	VBG 21-2208	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-28	21-2211xx	EDM-2 DAF	VBG 21-2211	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.

B-29	21-2214xx	EDM-2 IVECO	VBG 21-2214	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-30	21-2217xx	EDL-2 Scania	VBG 21-2217	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-31	21-2220xx	EDL-2 Volvo/RVI	VBG 21-2220	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-32	21-2223xx	EDL-2 MAN	VBG 21-2223	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-33	21-2226xx	EDL-2 MB 50x45	VBG 21-2226	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-34	21-2229xx	EDL-2 MB 50x50	VBG 21-2229	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-35	21-2232xx	EDL-2 DAF	VBG 21-2232	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-36	21-2235xx	EDL-2 IVECO	VBG 21-2235	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-37	21-1853xx/ 21-1854xx	EDH Scania Short	1908590 1908591	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-38	21-1875xx/ 21-1876xx	EDH Scania Long	1925470 1925471	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-39	21-2026xx/ 21-2027xx	EDH Scania Extra Long	2056579 2056587	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-40	21-2322xx/ 21-2323xx	EDL-2 SAXAS/DAF	VBG 21-2324	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-41	21-5719xx	EDF 350	EDF 350 21-5719	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-42	21-5722xx	EDF 300	EDF 300 21-5722	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-43	21-5725xx	EDF 250	EDF 250 21-5725	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-44	21-5880xx	EDF 150	EDF 150 21-5880	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-45	21-5881xx	EDF 150	EDF 150 21-5881	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-46	21-5892xx	EDFA 350	EDF 350 21-5892	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-47	21-5893xx	EDFA 300	EDF 300 21-5893	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-48	21-5894xx	EDFA 250	EDF 250 21-5894	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-49	21-5940xx/ 21-5941xx	EDF 250 - N205	VBG 21-5940 VBG 21-5941	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-50	21-6232xx/ 21-6233xx	EDL-2	VBG 21-6232 VBG 21-6233	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.

List of Type Approved Parts.

B-51	21-6234xx/ 21-6235xx	EDL-2	VBG 21-6234 VBG 21-6235	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-52	21-6164xx /21-6165xx	EDF 250 - N205 (plus)	VBG 21- 616400 VBG 21-	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-53	FN10367	EDF250 -N70	FN10367LH FN10367RH	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-54	FN10384	EDF350 -N70	FN10384LH FN10384RH	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-55	21-669400	VFDU Alt. A3.1	VFDU	Vertical extension VFDU Alt. A3.1
B-56	21-652000	EDUS 180 Scania	VFUS	EDUS 180 Kit Scania
B-57	21-652600	EDUS 180 Volvo/RVI	VFUS	EDUS 180 Kit Volvo
B-58	21-652900	EDUS 180 MAN	VFUS	EDUS 180 Kit MAN
B-59	21-660900	EDUS 180 C7 Kit	VFUS	EDUS 180 Kit MB
B-60	21-661200	EDUS 180 C7 Kit MB	VFUS	EDUS 180 Kit IVECO
B-61	21-661600	EDUS 180 C7 Kit DAF	VFUS	EDUS 180 Kit DAF
B-62	21-735800	EDMS-2 Scania Left	VFD	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-63	21-761600	EDMS-C 1 LH	VFD	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-64	21-761900	EDMS-C 2 LH	VFD	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-65		VFD Alt B1	VFD	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths. (EDM-3)
B-66		VFD Alt J1	VFD	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-67		EDF300	EDF 300 21-7817	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-68		VFD, Alt. B5	EDF 300 180 VFD	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.
B-69		VFD, Alt. B6	VFD	Drawbeam endplates intended for installation of the drawbeams fully underslung. Intended for all the drawbeams lengths.

C. Spacers for adjustment of different frame widths.

Ref.No	Part No *	Type	Marking	Description
C-01	20-1086xx	Spacer t=1	20-1086	U shaped spacer with 60 mm spacing (7 holes)
C-02	20-1087xx	Spacer t=2	20-1087	U shaped spacer with 60 mm spacing (7 holes)
C-03	20-1088xx	Spacer t=5	20-1088	U shaped spacer with 60 mm spacing (7 holes)
C-04	20-1089xx	Spacer t=8	20-1089	U shaped spacer with 60 mm spacing (7 holes)
C-05	20-1090xx	Spacer t=10	20-1090	U shaped spacer with 60 mm spacing (7 holes)

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