



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE ~~APPROVAL GRANTED<sup>(4)</sup>~~/ APPROVAL EXTENDED<sup>(1)</sup>/  
~~APPROVAL REFUSED<sup>(4)</sup>~~/ ~~APPROVAL WITHDRAWN<sup>(4)</sup>~~/ PRODUCTION DEFINITELY  
DISCONTINUED<sup>(4)</sup> OF A TYPE OF REAR UNDERRUN PROTECTIVE DEVICE (RUPD), PURSUANT  
TO REGULATION NO 58.02




Approval No: 58R-0211516

Extension No: 02

Reason for extension: To cover

- 1) Further endplate
- 2) Additional endplates
- 3) Minor modifications

1. Trade name or mark of device: VBG Group AB
2. Type of device: UDSP
3. Name and address of manufacturer:  
VBG Group AB  
Herman Kreftings Gata 4  
S-46228 Vänersborg  
Sweden
4. If applicable, name and address of manufacturer's representative: Not applicable
5. Characteristics of the device (dimensions and its fixing elements): Steel tube height 140x140 mm, diamante mounting (see page 11 of mounting instruction), steel mounting kit.
6. Test conducted on a rigid bench / ~~on a vehicle / on a representative part of the chassis of a vehicle<sup>(1)</sup>~~

7. Position on the device of the points of application of the test forces:  
P<sub>1</sub>: Left and right, 300 mm inboard of the longitudinal planes tangent to the outside of the wheels on the rear axle  
P<sub>2</sub>: Left and right, 380 mm of the vertical plane containing the vehicle centreline  
P<sub>3</sub>: In the centre between P<sub>1</sub>-P<sub>2</sub>
8. Maximum horizontal deflection observed during and after the application of the test forces in annex 5: 44 mm
9. Vehicles on which the device may be installed (if applicable): Requirements on chassis members, see manufacturer's documentation.
10. Maximum mass of vehicle on which the device may be installed: Tested without limit
11. Device submitted for approval on: As before and 01 March 2017
12. Technical service responsible for conducting approval tests: TÜV SÜD Auto Service GmbH
13. Date of report issued by that service: As before and 02 May 2017
14. Number of report issued by that service: 15-00044-CX-GBM Extension 02
15. Approval ~~GRANTED/REFUSED/EXTENDED/WITHDRAWN~~ in respect of the RUPD <sup>(1)</sup>
16. Position of approval mark on the device: Type plate on bracket
17. Place: BRISTOL
18. Date: 24 MAY 2017
19. Signature:  D LAWLOR  
Chief Technical and Statutory Operations Officer

20. The following documents, bearing the approval number shown above, are available upon request:

Drawings, diagrams and layout plans of the components of the structure considered to be of importance for the purposes of this Regulation

Where applicable drawings of the protective devices and their position on the vehicle.

Any remarks: Approval to Supplement 3

- (1) Strike out what does not apply

# VBG GROUP

Information Document No. UDSP-R58+02-Idoc  
relating to UNECE type approval as a separate technical unit with respect of a rear under run  
protective device (UNECE Regulation 58 rev. 2)

## 0. GENERAL

- 0.1. Make (trade name of manufacturer) VBG GROUP AB
- 0.2. Type and general commercial description (s): UDSP  
versions: see appendix "List of Type Approved Parts".  
Commercial name: UDSP Under Run Protection
- 0.3. Name and address of manufacturer: VBG GROUP AB  
Herman Kreftings gata 4  
S-462 28 Vänersborg  
SWEDEN
- 0.4. In the case of components and separate units,  
location and method of affixing of the ECE  
approval mark: On type plate riveted or cemented on the device  
(left or right side)
- 0.5. Address(es) of assembly plant(s): VBG Group Truck Equipment AB  
Tenggrenstorpsvägen 11  
S-462 28 Vänersborg  
SWEDEN

## 1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE(S)

- 1.1. Minimum sum of the moments of inertia about the horizontal axis of the chassis side-members in  
cross-section: Minimum 3200 cm<sup>4</sup>
- 1.2. Distance between the chassis side-members at the mounting points of the device:  
754 - 852 mm

## 2. MASS AND DIMENSIONS

- 2.1. Technically permissible maximum laden mass: Without limit, because the device is  
tested with the maximum loads.

## 3. BODYWORK

- 3.1. Full description and / or drawing of the rear underrun protection device:  
See enclosures

2017-05-02 / JON



## UDSP Protective Beam List of Type Approved Parts.

List of Parts included in VBG UDSP Underrun Protective Beam Type Approval.				
A. Protective Beams.				
UDSP Underrun Protective Beam is available in 1 version.				
Ref.No	Part No*	Type	Marking	Description
A-05.1	21-580600	UDSP	Type approval label	Diamond Steel Beam, powder painted, length 2400 mm.
<p>The UDSP Underrun Protective Beam can be mounted separately on the vehicle if fixed and supported in accordance with the Mounting Instruction or by using any of the below specified RUP Mounting Brackets for Permanent Location (BUPL types). For mounting to different frame widths use the different spacer kits (21-584200, 21-584300 and 21-584400) and follow the mounting instructions.</p>				
B1. RUP Mounting Brackets for Permanent Location (BUPL types).				
Brackets for Permanent Location of the UDSP Protective Beam are available in 11 different versions.				
Ref.No	Part No*	Type	Marking	Description
B-07	21-178200	EUP 60	21-1782 VBG Year/Week	Bracket intended to be mounted on an Additional Frame Bracket e.g. a Drawbeam End Plate, with hole spacing 60 mm or directly on very low truck frames. Can also be combined with Angle Bracket Mounting kit 21-175178.
B-08	21-178100	EUP 50	21-178170 VBG Year/Week	Bracket intended to be mounted on an Additional Frame Bracket e.g. a Drawbeam End Plate, with hole spacing 50 mm or directly on very low truck frames. Can also be combined with Angle Bracket Mounting kit 21-175178.
B-15	21-212200	EUP 45/60 H=195	VBG 21-2122	Bracket intended to be mounted on an Additional Frame Bracket e.g. a Drawbeam End Plate, with hole spacing 45/60 mm or directly on very low truck frames.
B-16	21-5704xx	EUP 50 H=195	VBG 21-5704	Bracket intended to be mounted on an Additional Frame Bracket e.g. a Drawbeam End Plate, with hole spacing 50 mm or directly on very low truck frames.
B-17	21-212400	EUP 60 H=195	VBG 21-2124	Bracket intended to be mounted on an Additional Frame Bracket e.g. a Drawbeam End Plate, with hole spacing 60x60 mm or directly on very low truck frames.
B-18	21-212500	EUP 45/60 H=135	VBG 21-2125	Bracket intended to be mounted on an Additional Frame Bracket e.g. a Drawbeam End Plate, with hole spacing 45/60 mm or directly on very low truck frames.
B-19	21-570500	EUP 50 H=135	VBG 21-5705	Bracket intended to be mounted on an Additional Frame Bracket e.g. a Drawbeam End Plate, with hole spacing 50 mm or directly on very low truck frames.
B-20	21-212700	EUP 60 H=135	VBG 21-2127	Bracket intended to be mounted on an Additional Frame Bracket e.g. a Drawbeam End Plate, with hole spacing 60x60 mm or directly on very low truck frames.
B-31	21-215300	EUR-4 60	VBG 21-2153	Bracket intended to be mounted on an Additional Frame Bracket e.g. a Drawbeam End Plate. Outer bracket can be removed from vehicle together with beam.
B-49	21-5710xx	EUR-4 50	VBG 21-5710	Bracket intended to be mounted on an Additional Frame Bracket e.g. a Drawbeam End Plate. Outer bracket can be removed from vehicle together with beam.

## UDSP Protective Beam List of Type Approved Parts.

B-50	21-2305xx	EUR-4 45/60	VBG 21- 2305	Bracket intended to be mounted on an Additional Frame Bracket e.g. a Drawbeam End Plate. Outer bracket can be removed from vehicle together with beam.
B-66	21-6161xx 21-6163xx	EUP RES	VBG 21- 6161 or VBG 21- 6163	Bracket intended to be mounted on an Additional Frame Bracket e.g. a Drawbeam End Plate, with hole spacing 50 mm or directly on very low truck frames.
<b>E. Beam Fixing kits.</b>				
Additional parts for fixing of the UDSP Protective Beam.				
<u>Ref.No</u>	<u>Part No*</u>	<u>Type</u>	<u>Marking</u>	<u>Description</u>
E-05	21-584200		VBG 21- 5841	Spacer kit 10 mm for adjusting to the frame width (one per side).
E-06	21-584300		VBG 21- 5839 and VBG 21- 5840	Spacer kit 14 mm for adjusting to the frame width (two per side).
E-07	21-584400		VBG 21- 5839 and VBG 21- 5841	Spacer kit 16 mm for adjusting to the frame width (two per side).
E-08	21-584600		VBG 21- 5840	Spacer kit 8 mm for adjusting to the frame width (one per side).
E-09	21-584700		VBG 21- 5839	Spacer kit 6 mm for adjusting to the frame width (one per side).
<b>F. Additional Frame Bracket.</b>				
Additional Brackets e.g. a Drawbeam End Plate, for mounting of the RUPD to the truck frame.				
<u>Ref.No</u>	<u>Part No*</u>	<u>Type</u>	<u>Marking</u>	<u>Description</u>
F-01	21-021400	EDS	21-0214 VBG Year/Week	Drawbeam End Plate intended for installation of drawbeams partially underslung.
F-02	21-162000	EDS-V	21-1619 VBG Year/Week	Drawbeam End Plate intended for installation of drawbeams with 50 hole spacings partially underslung.
F-03	21-134500	EDH-2	21-1345 Year/Week	Drawbeam End Plate intended for installation of drawbeams fully underslung.
F-04	21-134400	EDH-2V	21-1344 Year/Week	Drawbeam End Plate intended for installation of drawbeams fully underslung on frames with 50x60 mm hole spacing.
F-05	21- 005100	EDM	21-0056; 21-0191 VBG Year/Week	Drawbeam End Plate intended for installation of drawbeams 200 mm underslung.
F-06	21- 005200	EDL	21-0052 VBG Year/Week	Drawbeam End Plate intended for installation of drawbeams 310 mm underslung.
F-07	21-168400	EDK-Sc	21-1684 VBG Year/Week	Drawbeam End Plate intended for installation of drawbeams fully underslung on frames with 50x50 mm hole spacing.
F-08	21-167300	EDHZ	21-1673 VBG Year/Week	Drawbeam End Plate designed to fit around rear leaf spring bracket on Scania trucks. Intended for installation of drawbeams fully underslung.



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F-09	21- 164200	EDMS-2	21-1642 VBG Year/Week	Drawbeam End Plate designed to fit around stabilizer bracket on Volvo trucks. Intended for installation of drawbeams 200 mm underslung.
F-10	21-147500	EDC-1	21-1475 Year/Week	Drawbeam End Plate designed to move stabilizer bracket position on Volvo trucks. Intended for installation of drawbeams fully underslung.
F-11	38-215900	CMS-MFC	CMS-MFC Type Approval label	Inside frame mounted Drawbeam End Plate intended for fully underslung installation of VBG Multi Function Coupling MFC.
F-12	38-174400	EDSA	DB 63V Type	Inside frame mounted Drawbeam End Plate intended for partially underslung installation of drawbeam DB 63V.
F-13	38-174500	EDHA	Approval label	Inside frame mounted Drawbeam End Plate intended for fully underslung installation of drawbeam DB 63V.
F-14	21-185300 21-185400	EDH Scania Short	1908950/ 1908951	Drawbeam End Plate intended for installation of drawbeams fully underslung on frames with 50x50 mm hole spacing.
F-15	21-187500 21-187600	EDH Scania Long	1925470/ 1925471	Drawbeam End Plate intended for installation of drawbeams fully underslung on frames with 50x50 mm hole spacing.
F-16	21-202600 21-202700	EDH Scania Extra long	2056579/ 2056587	Drawbeam End Plate intended for installation of drawbeams fully underslung on frames with 50x50 mm hole spacing.
F-17	21-208100	EDH-2 MB	21-2081 Year/Week	Drawbeam End Plate intended for installation of drawbeam fully underslung on frames with 50x50 mm hole spacing.
F-18	20-111800	EDS Volvo/RVI long	VBG 20- 1118 L/R	Drawbeam End Plate intended for installation of drawbeams with 50x60 mm hole spacings partially underslung.
F-19	20-111900	EDS MAN/MB long	VBG 20- 1119 L/R	Drawbeam End Plate intended for installation of drawbeams with 50x45 and 50x40/50 partially underslung.
F-20	20-112000	EDS DAF long	VBG 20- 1120 L/R	Drawbeam End Plate intended for installation of drawbeams with 60x60 mm hole spacings partially underslung.
F-21	20-112100	EDS Iveco long	VBG 20- 1121 L/R	Drawbeam End Plate intended for installation of drawbeams with 45x45 mm hole spacings partially underslung.
F-22	20-112200	EDS Scania	VBG 20- 1122	Drawbeam End Plate intended for installation of drawbeams with 50x50 mm hole spacings partially underslung.
F-23	21-213000	EDH-3 MAN	VBG 21- 2130 L/R	Drawbeam End Plate intended for installation of drawbeams with 50x40/50 mm hole spacings fully underslung.
F-24	21-213300	EDH-3 MB 50x45	VBG 21- 2133 L/R	Drawbeam End Plate intended for installation of drawbeams with 50x45 mm hole spacings fully underslung.
F-25	21-213600	EDH-3 Scania	VBG 21- 2136 L/R	Drawbeam End Plate intended for installation of drawbeams with 50x50 mm hole spacings fully underslung.
F-26	21-213900	EDH-3 Volvo	VBG 21- 2139 L/R	Drawbeam End Plate intended for installation of drawbeams with 50x60 mm hole spacings fully underslung.
F-27	21-214200	EDH-3 DAF	VBG 21- 2142 L/R	Drawbeam End Plate intended for installation of drawbeams with 60x60 mm hole spacings fully underslung.
F-28	21-214500	EDH-3 IVECO	VBG 21- 2145 L/R	Drawbeam End Plate intended for installation of drawbeams with 45x45 mm hole spacings fully underslung.
F-29	21-214800	EDH-3 MB 50x50	VBG 21- 2148 L/R	Drawbeam End Plate intended for installation of drawbeams with 50x50 mm hole spacings fully underslung.
F-30	21-2196xx	EDM-2 Scania	VBG 21- 2196	Drawbeam End Plate intended for installation of drawbeams with 50x50 mm hole spacings fully underslung.
F-31	21-2199xx	EDM-2 Volvo/RVI	VBG 21- 2199	Drawbeam End Plate intended for installation of drawbeams with 50x60 mm hole spacings fully underslung.
F-32	21-2202xx	EDM-2 MAN	VBG 21- 2202	Drawbeam End Plate intended for installation of drawbeams with 50x40/50 mm hole spacings fully underslung.

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List of Type Approved Parts.**

F-33	21-2205xx	EDM-2 MB 50x45	VBG 21- 2205	Drawbeam End Plate intended for installation of drawbeams with 50x45 mm hole spacings fully underslung.
F-34	21-2208xx	EDM-2 MB 50x50	VBG 21- 2208	Drawbeam End Plate intended for installation of drawbeams with 50x50 mm hole spacings fully underslung.
F-35	21-2211xx	EDM-2 DAF	VBG 21- 2211	Drawbeam End Plate intended for installation of drawbeams with 60x60 mm hole spacings fully underslung.
F-36	21-2214xx	EDM-2 IVECO	VBG 21- 2214	Drawbeam End Plate intended for installation of drawbeams with 45x45 mm hole spacings fully underslung.
F-37	21-2217xx	EDL-2 Scania	VBG 21- 2217	Drawbeam End Plate intended for installation of drawbeams with 50x50 mm hole spacings fully underslung.
F-38	21-2220xx	EDL-2 Volvo/RVI	VBG 21- 2220	Drawbeam End Plate intended for installation of drawbeams with 50x60 mm hole spacings fully underslung.
F-39	21-2223xx	EDL-2 MAN	VBG 21- 2223	Drawbeam End Plate intended for installation of drawbeams with 50x40/50 mm hole spacings fully underslung.
F-40	21-2226xx	EDL-2 MB 50x45	VBG 21- 2226	Drawbeam End Plate intended for installation of drawbeams with 50x45 mm hole spacings fully underslung.
F-41	21-2229xx	EDL-2 MB 50x50	VBG 21- 2229	Drawbeam End Plate intended for installation of drawbeams with 50x50 mm hole spacings fully underslung.
F-42	21-2232xx	EDL-2 DAF	VBG 21- 2232	Drawbeam End Plate intended for installation of drawbeams with 60x60 mm hole spacings fully underslung.
F-43	21-2235xx	EDL-2 IVECO	VBG 21- 2235	Drawbeam End Plate intended for installation of drawbeams with 45x45 mm hole spacings fully underslung.
F-44	21-5725xx	EDF 250	EDF 250 21- 5725	Drawbeam End Plate intended for installation of drawbeams with flexible hole spacing fully underslung.
F-45	21-5880xx 21-5881xx	EDF 150	EDF 150 21- 5880 / EDF 150 21- 5881	Drawbeam End Plate intended for installation of drawbeams with flexible hole spacing fully underslung.
F-47	21-6172xx	EDH-4	21-6172	Drawbeam End Plate intended for installation of drawbeams with flexible hole spacing fully underslung.
* The part.no ends with "xx" for different colour codes.				