



PRODUCT OVERVIEW

2014

General information

We make life easier for users by constantly developing systems with high reliability and long life.

Our products undergo a corrosion resistant finish* in several steps.

All products are approved to meet all national and international standards for their markets.

Warranty

The warranty is valid for 24 months from the date of delivery unless otherwise stated. The warranty only covers manufacturing or material and does NOT cover normal wear and tear.

Products for which a claim is made will not be replaced if they show evidence of damage resulting from incorrect handling or installation.

This also covers, for example, damage due to reversing, driving into ditch, jack-knifing, overloading and modifications such as drilling or welding. The warranty does not cover liability in any form for direct or indirect damages for personal injury or damage to property, or for downtime or loss of use and interruption to operations. VBG's products are type approved and therefore it is prohibited to make any modifications.

Other sales conditions can be found in current valid pricelist.

The coupling equipment must be checked regularly or after extreme traffic situations such as reversing, collision, leaving the road or jack-knifing or overloading according to VBG Driver's Manual. If there is any doubt regarding damage or overloading, the coupling equipment must be replaced.

***Exception is the Automatic drawbar 26-100000 and Sliding underrun protection URSP which has an alternative anti-corrosion treatment.**

Product Overview Coupling Equipment 2014

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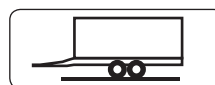
Edition d, 2014-02-10

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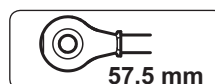
Symbol explanation



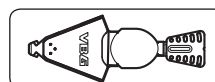
Coupling intended for centre axle trailers, dollies and twin steering axle trailers.



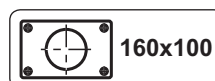
Coupling intended only for twin steering axle trailers with articulated drawbar.



Specifies the size of the coupling bolt/drawbar eye.



MFC drawbar wedge



Mounting dimensions for coupling and hole pattern in drawbeam.

Couplings

Specifications

D 190 kN
D_c 120 kN
V 50 kN
S 1000 kg
 EU coupling class S
 Type approval no:
 E4*55R-010063

D 190 kN
D_c 120 kN
V 50 kN
S 1000 kg
 EU coupling class S
 Type approval no:
 E4*55R-010063

D 190 kN
D_c 120 kN
V 50 kN
S 1000 kg
 EU coupling class S
 Type approval no:
 E4*55R-010063

	Alt. 1	Alt. 2
D (kN)	290	290
D_c (kN)	145	130
V (kN)	95	75
S (kg)	1000	2000

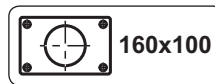
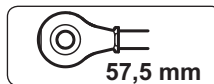
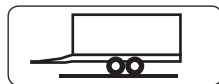
EU coupling class S
 Type approval no:
 E4*55R-010065

	Alt. 1	Alt. 2
D (kN)	290	290
D_c (kN)	145	130
V (kN)	95	75
S (kg)	1000	2000

EU coupling class S
 Type approval no:
 E4*55R-010065

	Alt. 1	Alt. 2
D (kN)	290	290
D_c (kN)	145	130
V (kN)	95	75
S (kg)	1000	2000

EU coupling class S
 Type approval no:
 E4*55R-010065



VBG 750V

Part no. 09-052500
 Weight 58 kg



VBG 750V AM

Part no. 09-030050
 Weight 59 kg
 Control box, indicating kit and cabling is ordered separately,
 see Accessories Couplings.



VBG 750V PA

Part no. 09-101700
 Weight 66 kg
 Control box, indicating kit and cabling is ordered separately,
 see Accessories Couplings.



VBG 795V

Part no. 09-052000
 Weight 60 kg



VBG 795V AM

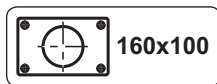
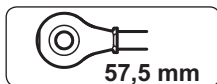
Part no. 09-030550
 Weight 60,5 kg
 Control box, indicating kit and cabling is ordered separately,
 see Accessories Couplings.



VBG 795V PA

Part no. 09-101600
 Weight 66 kg
 Control box, indicating kit and cabling is ordered separately,
 see Accessories Couplings.

Couplings



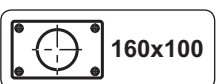
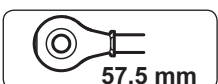
VBG 795VR

Part no. 09-057900

Weight 60 kg

Specifications

		Alt. 1	Alt. 2
D	(kN)	290	290
D _c	(kN)	145	150
V	(kN)	95	75
S	(kg)	1000	2000
EU coupling class S			
Type approval no:			
E4*55R-010065			



VBG 760

Part no. 05-075500

Weight 44 kg

D 200 kN
EU coupling class S
Type approval no:
E4*55R-010064

Angular displacement
for eye

Horizontally	± 110°
Vertically	± 30°
Axially	± 40°



VBG 760 AM

Part no. 09-031450

Weight 49 kg

Control box, indicating kit and cabling is ordered separately,
see Accessories Couplings.

D 200 kN
EU coupling class S
Type approval no:
E4*55R-010064

Angular displacement
for eye

Horizontally	± 110°
Vertically	± 30°
Axially	± 40°



VBG 760 PA

Part no. 09-101800

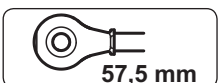
Weight 55 kg

Control box, indicating kit and cabling is ordered separately,
see Accessories Couplings.

D 200 kN
EU coupling class S
Type approval no:
E4*55R-010064

Angular displacement
for eye

Horizontally	± 110°
Vertically	± 30°
Axially	± 40°



VBG 7310D

Part no. 09-073100

Weight 92 kg

D 310 kN
EU coupling class S
Type approval no:
E11*55R-016804

Couplings

Specifications

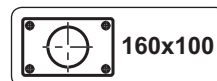
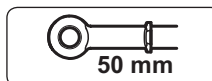
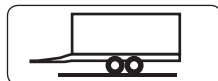
D 200 kN
D_c 130 kN
V 75 kN
S 1000 kg
 EU coupling class C50-X
 Type approval no:
 E11*55R-018247

D 200 kN
D_c 130 kN
V 75 kN
S 1000 kg
 EU coupling class C50-X
 Type approval no:
 E11*55R-018247

D 200 kN
D_c 130 kN
V 75 kN
S 1000 kg
 EU coupling class C50-X
 Type approval no:
 E11*55R-018247

	Alt. 1	Alt. 2
D (kN)	285	285
D_c (kN)	140	130
V (kN)	90	63
S (kg)	1000	2000

EU coupling class C50-X
 Type approval no:
 E11*55R-018476



VBG 575V-2

Part no. 09-070100
 Weight 57,2 kg



VBG 575V-2 AM

Part no. 09-072600
 Weight 59,2 kg
 Control box, indicating kit and cabling is ordered separately,
 see Accessories Couplings.



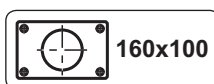
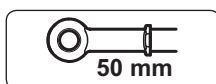
VBG 575V-2 PA

Part no. 09-072200
 Weight 64,2 kg
 Control box, indicating kit and cabling is ordered separately,
 see Accessories Couplings.



VBG 590VR-2

Part no. 09-072300
 Weight 61,7 kg



VBG 8500

Part no. 08-009000

Weight 38 kg



VBG 8500 AM

Part no. 09-031150

Weight 42 kg

Control box, indicating kit and cabling is ordered separately, see Accessories Couplings.



VBG 8500 PA

Part no. 08-016300

Weight 47 kg

Control box, indicating kit and cabling is ordered separately, see Accessories Couplings.



VBG 5190D

Part no. 09-127500

Weight 44 kg



VBG 5190D AM

Part no. 09-128050

Weight 43 kg

Control box, indicating kit and cabling is ordered separately, see Accessories Couplings.



VBG 5190D PA

Part no. 09-127700

Weight 51 kg

Control box, indicating kit and cabling is ordered separately, see Accessories Couplings.

Specifications

D 190 kN
EU coupling class C50-X
Type approval no:
E4*55R-010067

Angular displacement
for eye
Horizontally $\pm 90^\circ$
Vertically $\pm 25^\circ$
Axially $\pm 40^\circ$

D 190 kN
EU coupling class C50-X
Type approval no:
E4*55R-010067

Angular displacement
for eye
Horizontally $\pm 90^\circ$
Vertically $\pm 25^\circ$
Axially $\pm 40^\circ$

D 190 kN
EU coupling class C50-X
Type approval no:
E4*55R-010067

Angular displacement
for eye
Horizontally $\pm 90^\circ$
Vertically $\pm 25^\circ$
Axially $\pm 40^\circ$

D 200 kN
EU coupling class C50-X
Type approval no:
E11*55R-016775

Angular displacement
for eye
Horizontally $\pm 90^\circ$
Vertically $\pm 25^\circ$
Axially $\pm 40^\circ$

D 200 kN
EU coupling class C50-X
Type approval no:
E11*55R-016775

Angular displacement
for eye
Horizontally $\pm 90^\circ$
Vertically $\pm 25^\circ$
Axially $\pm 40^\circ$

D 200 kN
EU coupling class C50-X
Type approval no:
E11*55R-016775

Angular displacement
for eye
Horizontally $\pm 90^\circ$
Vertically $\pm 25^\circ$
Axially $\pm 40^\circ$

Couplings

Specifications

D 136 kN

EU coupling class S

Type approval no:

E4*55R-010066

Angular displacement for eye

Horizontally $\pm 90^\circ$

Vertically $\pm 45^\circ$

Axially $\pm 40^\circ$

D 136 kN

EU coupling class S

Type approval no:

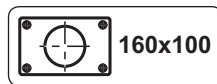
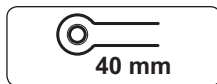
E4*55R-010066

Angular displacement for eye

Horizontally $\pm 90^\circ$

Vertically $\pm 45^\circ$

Axially $\pm 40^\circ$



VBG 8040

Part no.08-020000

Weight 40 kg

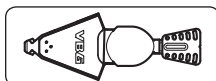


VBG 8040 AM

Part no.09-124350

Weight 39 kg

Control box, indicating kit and cabling is ordered separately, see Accessories Couplings.



VBG MFC

Weight (kg)

Part no.

Drawbar wedge standard	see drawbar eyes	
Coupling unit standard complete.....	107	08-030000
Coupling unit hydraulic complete	109	08-031100
Installation kit.....	5	28-039000
Installation kit hydraulic.....	20	08-024800



VBG MFC, AMS

Weight (kg) Part no.

(VBG MFC, beam system, installation kit, screw kit and cable)

Central installation

Volvo/RVI (400/180/826).....	163	08-033000
Scania (400/150/735).....	158	08-033100
MAN/MB (400/180/730)	157	08-033200
MB 50x50 (400/150/820).....	162	08-034500
Iveco (405/180/742).....	158	08-033400
DAF (420/180/756)	159	08-033300

Central installation, hydraulic

Volvo/RVI (400/180/826).....	185	08-034000
Scania (400/150/735).....	180	08-034100
MAN/MB (400/180/730)	179	08-034200
MB 50x50 (400/150/820).....	184	08-034600
Iveco (405/180/742).....	180	08-034400
DAF (420/180/756)	181	08-034300



VBG MFC, CMS

Weight (kg)Part no.

(VBG MFC, beam system, installation kit, screw kit and cable)

Underslung installation

Volvo/RVI (450/418/826).....	205	08-031300
Volvo/RVI, long (650/548/826)	239	08-034700
Scania (450/418/735).....	193	08-031400
Scania, long (650/548/735).....	227	08-034900
MAN/MB (450/418/730)	192	08-031500
Iveco (450/418/742).....	191	08-031700
DAF (420/418/756)	190	08-031600

Underslung installation, hydraulic

Volvo/RVI (450/418/826).....	227	08-033500
Volvo/RVI, long (650/548/826)	261	08-034800
Scania (450/418/735).....	221	08-033600
Scania, long (650/548/735).....	255	08-035000
MAN/MB (450/418/730)	218	08-033700
Iveco (450/418/742).....	220	08-033900
DAF (420/418/756)	221	08-033800

Specifications

D 188 kN

MFC complies with ECE Regulation R55, class S.

Coupling

E24*55R-010105

D 188 kN

MFC complies with ECE Regulation R55, class S.

Coupling

E24*55R-010133

D 188 kN

MFC complies with ECE Regulation R55, class S.

Coupling

E24*55R-010107

Accessories

Specifications

For specifications and performance values, see standard version of respective coupling.



AM unit

For conversion of a manual coupling

to an AM coupling, the following is required:

	Part no.
AM unit	09-124000
Valve box	07-108000
Position sensor	09-119800
Indicating kit.....	09-099200
Cable kit 12 m.....	09-182600
Cable kit 16 m.....	09-182500
Plug	07-108400

For specifications and performance values, see standard version of respective coupling.

Valve box **07-108000** is ordered separately.



Power actuator

All couplings:

	Part no.
Valve kit	07-108000

VBG 750V/795V/795VR, VBG 760, VBG 8500, VBG 8040, VBG 5190D, VBG 575V-2, VBG 590VR-2:

Torsion device	07-110200
Bracket	09-113573

VBG 575V/590V/590VR:

Torsion device	07-110200
Bracket	09-179700



Indicating kit

	Part no.
Indicating kit	09-099200

Type approval no: E24*10R-030610

Cabling 12 m	09-182600
(unshielded cable with DIN connector for version 3.0)	

Cabling 16 m	09-182500
(unshielded cable with DIN connector for version 3.0)	

Connector with clips	09-099500
Position sensor	09-119800
External buzzer.....	09-099800
Jackknife alarm, complete kit	09-036500
(Lamp/buzzer not included)	



Protective insert

	Part no.
Protective insert VBG 6000	09-013800
Protective insert VBG 795V/795VR/750V.....	09-014500



Protective pouch

Part no.

Specifications

Protective pouch for MFC drawbar wedge08-108500



VBG MechMatic

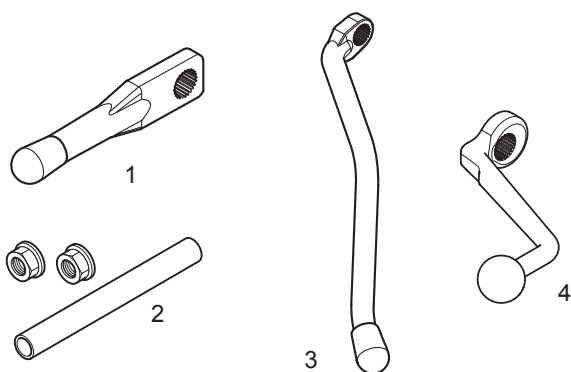
Part no 07-113000

Weight 2,52 kg

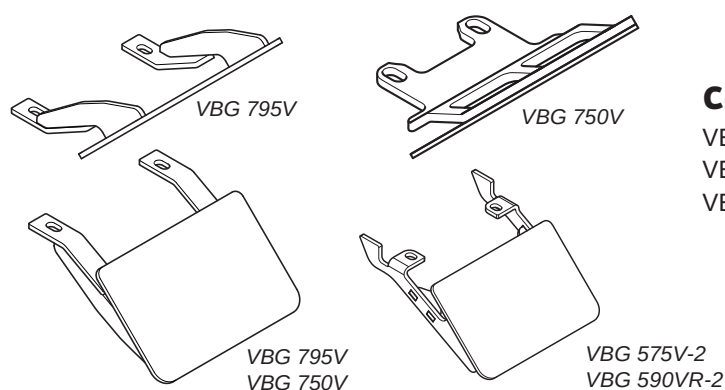
Cabling 3.0 12 m09-182600
alt.

Cabling 3.0 16 m09-182500

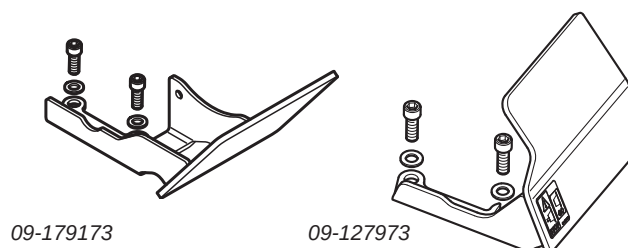
Accessories



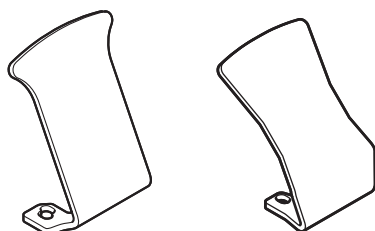
	Part no.
Handle A (1)	09-123300
Sleeve kit for handle (2)	09-126400
Handle B (3)	09-123400
Ball handle (4)	09-126700



Coupling mouth extender	Part no.
VBG 750V	09-058400 + 09-101200
VBG 795V	2 pcs. 09-101200
VBG 575V-2/590VR-2	2 pcs. 09-072700



Protective bracket kit.....	Part no.
VBG 5190D	09-179173
VBG 5190D	09-127973

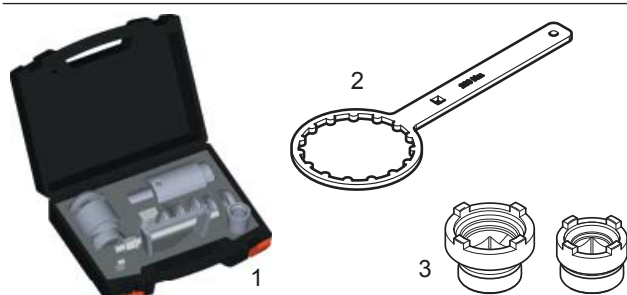


Protective bracket kit AM	Part no.
Version 3.0	
VBG 750V/795V, VBG760, VBG 8500, 575V-2	09-124973
Version 3.0	
VBG 8040	09-124773
Version 3.0	
VBG 575V	09-124873



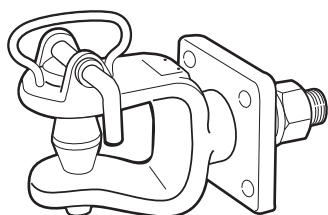
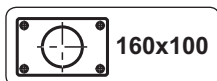
Jackknife Indicator	Part no.
Part no.	07-112073

For coupling VBG 795V/795V AM/795V PA/795VR and VBG 750V/750V AM/750V PA in combination with drawbeam DB 75V, DB 75V-2 and DB C7.



Service tools	Part no.
Service tools couplings (1)	39-030000
Hydraulic foot pump.....	39-031700
Ring spanner for MFC (2).....	08-110400
Mounting tool kit for MFC (3).....	39-033000

Manual couplings



Tow coupling 315

Part no.07-031500
Weight 14 kg
Hole pattern 160 × 100 mm

Tow coupling 330

Part no.07-033000
Weight 13 kg
Hole pattern 120 × 55 mm

Weight Part no.

Coupling bolt VBG Ø 57 mm 2,4 kg 07-031700

Coupling bolt ISO ISO Ø 50 mm 1,8 kg 07-031800

Coupling bolt DIN Ø 40 mm 1,7 kg 07-031900

Specifications

Tow coupling 315

Max tow vehicle weight*:
47.5 tons

Max. centre-axle trailer
weight: 8 tons

Max. trailer weight: 32 tons

Weight: 14 kg

Tow coupling 330

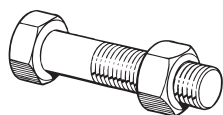
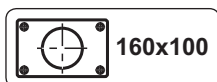
Max tow vehicle weight*:
33.6 tons

Max. centre-axle trailer
weight: 3 tons

Max. trailer weight: 10 tons

Weight: 13 kg

* In accordance with
Directive 77/389/EEG

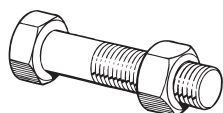


Bolt kit

M20 for hole pattern 160 × 100

Part no. 07-020600

Weight 1,2 kg



Bolt kit

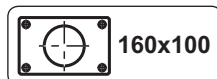
M14 for hole pattern 120 × 55

Part no. 07-020200

Weight 0,5 kg

Manual couplings

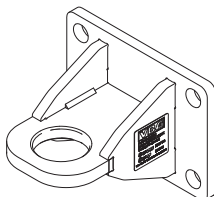
Specifications



160x100



120x55



Insert adapter

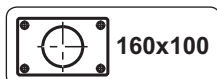
VBG 750V/795V/795VR

Part no. 07-111500

Hole pattern 160 × 100, 120 × 55 mm

Weight 6,3 kg

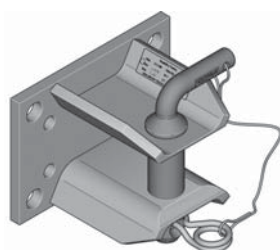
* In accordance with
Directive 77/389/EEG



160x100



120x55



Tow jaw 190

Part no. 07-019000

Hole pattern: 160 × 100 120 × 55 mm

Max tow vehicle weight*: 40.7 tons 40.7 tons

Max. centre-axle trailer weight: 8 tons 3 tons

Max. trailer weight: 30 tons 10 tons

Hook diameter: 35 mm 35 mm

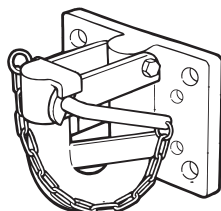
Weight: 5.5 kg 5.5 kg

Accessories

Part no.

Cotter for tow jaw 190 07-035000

* In accordance with
Directive 77/389/EEG



Tow hook 401

Part no. 07-040100

Hole pattern: 160 × 100 120 × 55 mm

Max tow vehicle weight*: 25.4 tons 25.4 tons

Max. centre-axle trailer weight: 6 tons 3 tons

Max. trailer weight: 28 tons 10 tons

Hook diameter: 35 mm 35 mm

Weight: 6.2 kg 6.2 kg

Accessories

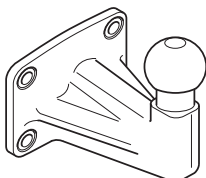
Part no.

Lock pin and chain for tow hook 401 07-039900

D 22,7 kN



83x56



Ball bracket (Thule)

Part no. 07-012700

Hole pattern 83x56 mm

Weight: 3,65 kg

Bolt kit

Part no.

Drawbeam fitted to vehicle frame:

- total thickness 14-22 mm 21-165100

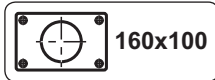
- total thickness 23-30 mm 21-165700

Fitting of ball coupling to drawbeam 21-185200

Spacers

Thickness 2 mm 21-166100

Thickness 4 mm 21-166200



DB 35V

Length (mm)	Weight (kg)	Part no.
728	36	20-097278
742	36	20-097178
752	37	20-097078
770	38	20-096778
784	39	20-096670
834	40	20-096570
850	41	20-095570

Specifications

D 138 kN
D_c 92 kN
V 35 kN
S 1000 kg
 EU coupling class F
 Type approval no:
 e11*94/20*3746
 E11 55R-013746



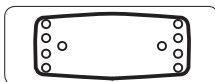
DB 75V-2 60x60

Length (mm)	Weight (kg)	Part no.
590	38	20-108378
728	43	20-108178
742	43,5	20-111278
752	44	20-107978
756	44,5	20-110878
762	44	20-107778
766	44,5	20-111078
770	44,5	20-107578
784	45	20-107378
826	46,5	20-107178
850	47,5	20-106978
885	49	20-106778

	Alt. 1	Alt. 2
D (kN)	200	200
D_c (kN)	130	130
V (kN)	75	63
S (kg)	1000	2000

	Alt. 3	Alt. 4
D (kN)	200	200
D_c (kN)	150	141
V (kN)	50	63
S (kg)	1000	1000

EU coupling class F
 Type approval no:
 E11*55R-018244



DB 260D

Length (mm)	Weight (kg)	Part no.
735	58	20-103178
766	59	20-100300
825	60	20-102870
834	61	20-099900

D 260 kN
 Type approval no:
 e11*94/20*5341



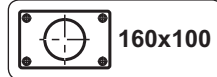
TB 30D

Length (mm)	Weight (kg)	Part no.
752	17,0	21-166078
770	17,5	21-165978
834	18,9	21-165878
850	19,5	21-165278

D 30 kN
Support load 367 kg
 Type approval no:
 E11 *55R-016701

Drawbeams

Specifications



	Alt. 1	Alt. 2
D (kN)	200	200
D_c (kN)	130	130
V (kN)	75	63
S (kg)	1000	2000
	Alt. 3	Alt. 4
D (kN)	200	200
D_c (kN)	150	141
V (kN)	50	63
S (kg)	1000	1000

EU coupling class F
Type approval no:
E11*55R-018246



DB-C7 DAF 60x60

For central and semi-underslung installation

Length (mm)	Weight (kg)	Part no.
756	45,5	20-105278
766	46,0	20-105378

Endplate EDS

Part no.	20-112078
Weight	15,0 kg
Bolt kits/spacers	see www.vbg.eu

	Alt. 1	Alt. 2
D (kN)	200	200
D_c (kN)	130	130
V (kN)	75	63
S (kg)	1000	2000
	Alt. 3	Alt. 4
D (kN)	200	200
D_c (kN)	150	141
V (kN)	50	63
S (kg)	1000	1000

EU coupling class F
Type approval no:
E11*55R-018246



DB-C7 Iveco 45x45

For central and semi-underslung installation

Length (mm)	Weight (kg)	Part no.
742	45,5	20-105678
756	46,0	20-110678

Endplate EDS

Part no.	20-112178
Weight	13,0 kg
Bolt kits/spacers	see www.vbg.eu

	Alt. 1	Alt. 2
D (kN)	200	200
D_c (kN)	130	130
V (kN)	75	63
S (kg)	1000	2000
	Alt. 3	Alt. 4
D (kN)	200	200
D_c (kN)	150	141
V (kN)	50	63
S (kg)	1000	1000

EU coupling class F
Type approval no:
E11*55R-018246



DB-C7 MAN 50x50/40

For central and semi-underslung installation

Length (mm)	Weight (kg)	Part no.
730	43,5	20-104878
744	44,0	20-104978

Endplate EDS

Part no.	20-111978
Weight	12,0 kg
Bolt kits/spacers	see www.vbg.eu



DB-C7 Mercedes 50x45

For central and semi-underslung installation

Length (mm)	Weight (kg)	Part no.
730	43,5	20-111478
744	44,0	20-111578

Endplate EDS

Part no.	20-111978
Weight	12,0 kg
Bolt kits/spacers	see www.vbg.eu

Specifications

	Alt. 1	Alt. 2
D (kN)	200	200
D _c (kN)	130	130
V (kN)	75	63
S (kg)	1000	2000

	Alt. 3	Alt. 4
D (kN)	200	200
D _c (kN)	150	141
V (kN)	50	63
S (kg)	1000	1000

EU coupling class F
Type approval no:
E11*55R-018246



DB-C7 Scania 50x50

For central and semi-underslung installation

Length (mm)	Weight (kg)	Part no.
751	43,5	20-103978
735	42,5	20-104178

Endplate EDS

Part no.	21-112278
Weight	21,0kg
Bolt kits/spacers	see www.vbg.eu

	Alt. 1	Alt. 2
D (kN)	200	200
D _c (kN)	130	130
V (kN)	75	63
S (kg)	1000	2000

	Alt. 3	Alt. 4
D (kN)	200	200
D _c (kN)	150	141
V (kN)	50	63
S (kg)	1000	1000

EU coupling class F
Type approval no:
E11*55R-018246



DB-C7 Volvo/RVI 50x60

For central and semi-underslung installation

Length (mm)	Weight (kg)	Part no.
826	46,5	20-104278
836	47,0	20-104378

Endplate EDS

Part no.	20-111878
Weight	13,0 kg
Bolt kits/spacers	see www.vbg.eu

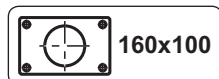
	Alt. 1	Alt. 2
D (kN)	200	200
D _c (kN)	130	130
V (kN)	75	63
S (kg)	1000	2000

	Alt. 3	Alt. 4
D (kN)	200	200
D _c (kN)	150	141
V (kN)	50	63
S (kg)	1000	1000

EU coupling class F
Type approval no:
E11*55R-018246

Drawbeams

Specifications



D 166 kN
D_C 141 kN
V 63 kN
S 1000 kg
EU coupling class F
Type approval no:
E24*55R-010264

D 166 kN
D_C 141 kN
V 63 kN
S 1000 kg
EU coupling class F
Type approval no:
E24*55R-010264

D 141 kN
D_C 141 kN
V 63 kN
S 1000 kg
EU coupling class F
Type approval no:
E24*55R-010002

D 141 kN
D_C 141 kN
V 63 kN
S 1000 kg
EU coupling class F
Type approval no:
E24*55R-010155



CMS 63V

Length (mm)	Weight (kg)	Part no.
735	103	21-205478
826	111	21-207178

CMS 63V EU

Length (mm)	Weight (kg)	Part no.
735	141	21-206278
826	149	21-207278

CMS DBI

Length (mm)	Weight (kg)	Part no.
730	122	21-199678
735	122	21-199478
742	123	21-199878
756	125	21-199778
826	128	21-199578

CMS Trailer incl. drawbeam

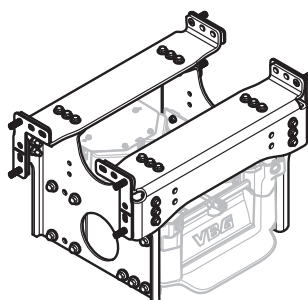
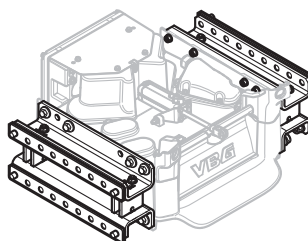
L Cross member (mm)	Coupling height (mm)	Weight (kg)	Part no.
958-974	290	161	21-208578
958-974	450	181	21-208778
1078-1094	290	174	21-196278
1078-1094	450	194	21-196678
1178-1194	290	183	21-208478
1178-1194	450	203	21-208678
1278-1294	290	192	21-196178
1278-1294	450	212	21-196578

AMS-MFC

D 179 kN
Type approval no:
E24*55R-010133

CMS-MFC

D 179 kN
Type approval no:
E24*55R-010107

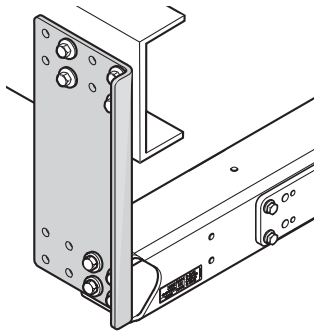


CMS MFC

Central installation	Weight (kg)	Part no.
Volvo/Renault	46	21-193270
Scania	38	21-193178
MAN/MB	38,5	21-193578
Iveco	38,5	21-193378
DAF	9,5	21-193478
Screw kit	0,6	21-202300

Underslung installation	Weight (kg)	Part no.
Volvo/Renault	92,5	21-188370
Scania (450/418/735)	77,5	21-188478
Scania (650/548/735)	101	21-197478
MAN/MB	78,5	21-188578
Iveco	78,5	21-188778
DAF	81	21-188678
Screw kit	1,5	21-202200
Screw kit	0,6	21-202300

Specifications



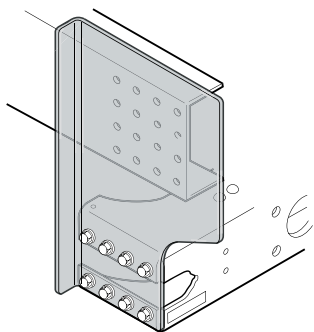
EDH-2T

Part no. **21-112378**
Weight 30 kg

Screw kit (M16) for fitting endplate kit to vehicle frame:

TB 30D **Part no.**
14-22 mm **21-165100**
23-30 mm **21-165700**

Performance values
see drawbeam TB 30D
Type approval no
see drawbeam TB 30D



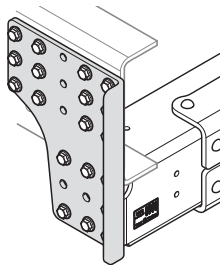
EDK

Long, part no. **21-131600**
Short, part no. **21-132700**
Weight the weight varies, depending
on the size of endplate

Screw kit for fitting endplate kit to vehicle frame:

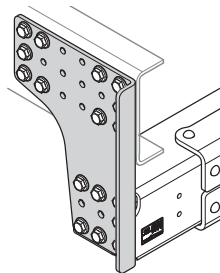
DB 35V, DB 75V **Part no.**
If the flange is fitted at front **21-149500**
If the flange is fitted at back 2x **21-148800**

Performance values
see respective drawbeam
Type approval no
see respective drawbeam



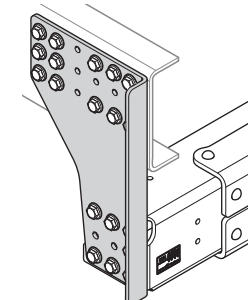
EDH-3 DAF 60x60

Part no. **21-214278**
Weight 16,7 kg
Bolt kits/spacers see www.vbg.eu



EDM-2 DAF 60x60

Part no. **21-221178**
Weight 23,6 kg
Bolt kits/spacers see www.vbg.eu



EDL-2 DAF 60x60

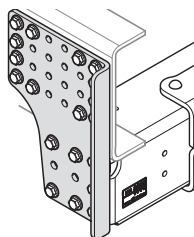
Part no. **21-223278**
Weight 31,0 kg
Bolt kits/spacers see www.vbg.eu

Performance values
see respective drawbeam
Type approval no
see respective drawbeam

Endplate kits

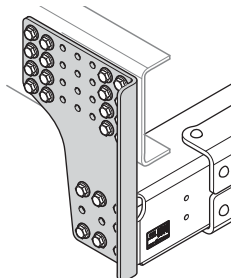
Specifications

Performance values
see respective drawbeam
Type approval no
see respective drawbeam



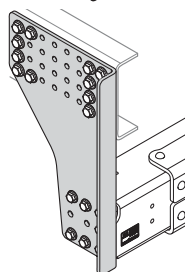
EDH-3 IVECO 45x45

Part no.21-214578
Weight 16,7 kg
Bolt kits/spacers see www.vbg.eu



EDM-2 IVECO 45x45

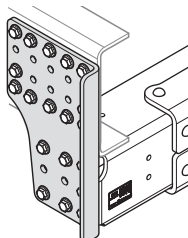
Part no.21-221478
Weight 23,4 kg
Bolt kits/spacers see www.vbg.eu



EDL-2 IVECO 45x45

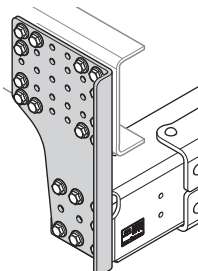
Part no.21-223578
Weight 32,0 kg
Bolt kits/spacers see www.vbg.eu

Performance values
see respective drawbeam
Type approval no
see respective drawbeam



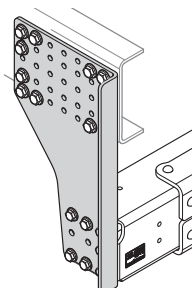
EDH-3 MAN 50x50/40

Part no.21-213078
Weight 16,5 kg
Bolt kits/spacers see www.vbg.eu



EDM-2 MAN 50x50/40

Part no.21-220278
Weight 25,3 kg
Bolt kits/spacers see www.vbg.eu

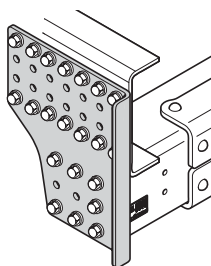


EDL-2 MAN 50x50/40

Part no.21-222378
Weight 34,6 kg
Bolt kits/spacers see www.vbg.eu

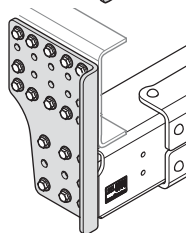
Specifications

Performance values
see respective drawbeam
Type approval no
see respective drawbeam



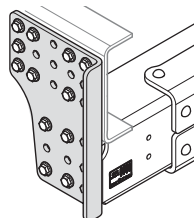
EDH-2 MB 50x50

Part no. 21-208178
Weight 23,0 kg
Bolt kits/spacers see www.vbg.eu



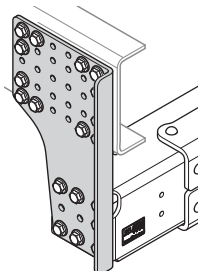
EDH-3 Mercedes 50x45

Part no. 21-213378
Weight 16,5 kg
Bolt kits/spacers see www.vbg.eu



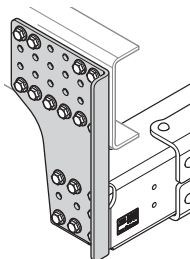
EDH-3 Mercedes 50x50

Part no. 21-214878
Weight 16,5 kg
Bolt kits/spacers see www.vbg.eu



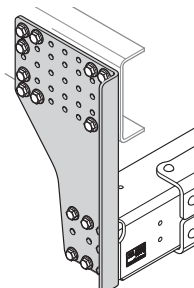
EDM-2 Mercedes 50x45

Part no. 21-220578
Weight 25,0 kg
Bolt kits/spacers see www.vbg.eu



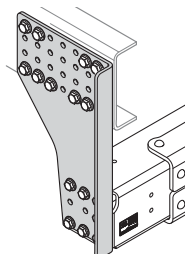
EDM-2 Mercedes 50x50

Part no. 21-220878
Weight 23,8 kg
Bolt kits/spacers see www.vbg.eu



EDL-2 Mercedes 50x45

Part no. 21-222678
Weight 34,6 kg
Bolt kits/spacers see www.vbg.eu



EDL-2 Mercedes 50x50

Part no. 21-222978
Weight 32,6 kg
Bolt kits/spacers see www.vbg.eu

Endplate kits

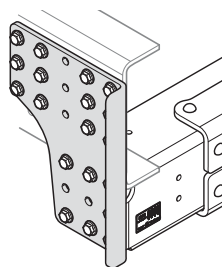
Specifications

Performance values
see respective drawbeam
Type approval no
see respective drawbeam

Performance values
see respective drawbeam
Type approval no
see respective drawbeam

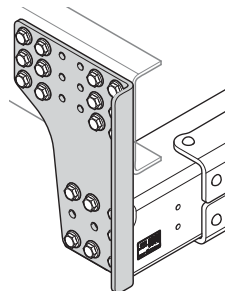
Performance values
see respective drawbeam
Type approval no
see respective drawbeam

Performance values
see respective drawbeam
Type approval no
see respective drawbeam



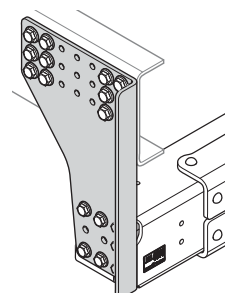
EDH-3 SCANIA 50x50

Part no.21-213678
Weight 16,7 kg
Bolt kits/spacers see www.vbg.eu



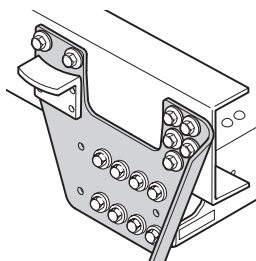
EDM-2 SCANIA 50x50

Part no.21-219678
Weight 21,0kg
Bolt kits/spacers see www.vbg.eu



EDL-2 SCANIA 50x50

Part no.21-221778
Weight 29,5 kg
Bolt kits/spacers see www.vbg.eu



EDHZ 50x50

Part no.21-167378
Weight 16,0 kg
Bolt kits/spacers see www.vbg.eu

Specifications

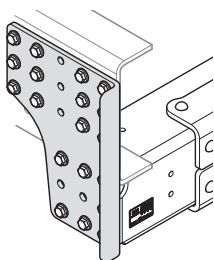
Performance values
see respective drawbeam
Type approval no
see respective drawbeam

Performance values
see respective drawbeam
Type approval no
see respective drawbeam

Performance values
see respective drawbeam
Type approval no
see respective drawbeam

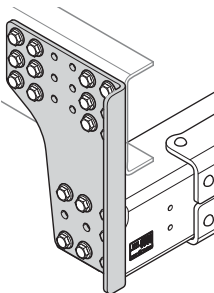
Performance values
see respective drawbeam
Type approval no
see respective drawbeam

Performance values
see respective drawbeam
Type approval no
see respective drawbeam



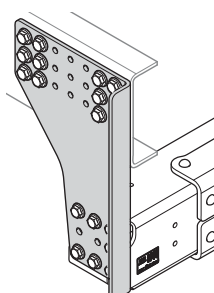
EDH-3 VOLVO/RVI 50x60

Part no.21-213978
Weight 16,7 kg
Bolt kits/spacers see www.vbg.eu



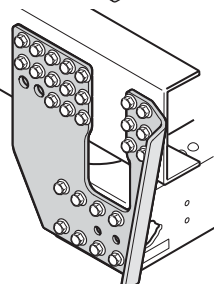
EDM-2 VOLVO/RVI 50x60

Part no.21-219978
Weight 22,2 kg
Bolt kits/spacers see www.vbg.eu



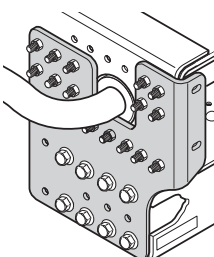
EDL-2 VOLVO/RVI 50x60

Part no.21-222078
Weight 31,0 kg
Bolt kits/spacers see www.vbg.eu



EDMS-2 50x60

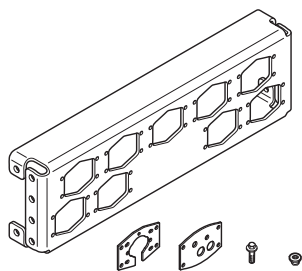
Part no.21-164278
Weight 37 kg
Bolt kits/spacers see www.vbg.eu



EDC-1 50x60

Part no.
for standard bogie installation height.....21-147500
for high/extra high bogie installation height21-147400
Weight 78 kg
Bolt kits/spacers see www.vbg.eu

Brackets for power and air



Installation beam

L=826 mm

Part no.21-179170

incl.

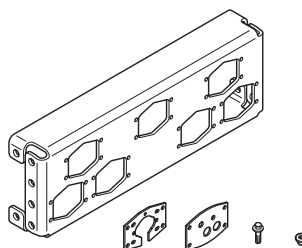
1 Duomatic bracket21-179478

2 Power plug brackets.....21-179378

12 M6SF screws

12 M6MF nuts

Weight 18 kg



L=734 mm

Part no.21-179278

incl.

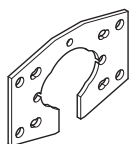
1 Duomatic bracket21-179478

2 Power plug brackets.....21-179378

12 M6SF screws

12 M6MF nuts

Weight 18 kg

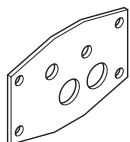


Holder for power plug

Part no.21-179378

incl. 4 M6SF screws, 4 M6MF nuts

Weight 0,33 kg

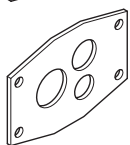


Holder for Duomatic

Part no.21-179478

incl. 4 M6SF screws, 4 M6MF nuts

Weight 0,41 kg

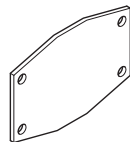


Holder for hydraulic plug

Part no.21-179578

incl. 4 M6SF screws, 4 M6MF nuts

Weight 0,38 kg

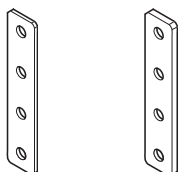


Cover plate

Part no.21-179678

incl. 4 M6SF screws, 4 M6MF nuts

Weight 0,44 kg

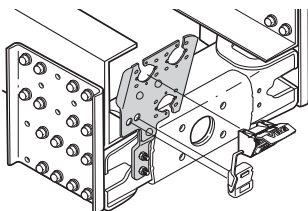


Spacer 5 mm (4 st).....21-192700

Weight 1,5 kg

Spacer 8 mm (4 st).....21-192800

Weight 2,3 kg



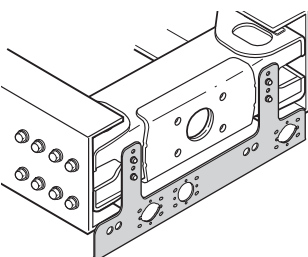
Bracket

Left, part no.28-045778

Weight 3,0 kg

Right, part no.28-045878

Weight 3,0 kg



Bracket

Underlying, part no.28-045978

Weight 3,2 kg

Underrun protection

Aluminium beam

UHAP-2



Protective beam	Intended for frame width		Length	Weight	Part no.
	B1 (mm)	B2 (mm)	(mm)	(kg)	
UHAP-2	760-1300	760-1300	2350	20	21-210800
UHAP-2	760-1300	760-1300	2350	20	21-210700
with reflex					
UHAP-2	760-1300	760-1300	1900	16	21-210900
with reflex					

Specifications

Type approval no.:
E11*58R-025001

Steel beam

UOSP



Protective beam	Intended for frame width		Length	Weight	Part no.
	B1 (mm)	B2 (mm)	(mm)	(kg)	
UOSP	760-850	760-850	2358	25,5	21-176978

Type approval no.:
E11*58R-02010002

UCSP



Protective beam	Intended for frame width		Length	Weight	Part no.
	B1 (mm)	B2 (mm)	(mm)	(kg)	
UCSP	640-1300	640-1300	2314	18	21-177270
UCSP	640-1300	640-1300	2314	18	21-177278
UCSP	640-1300	640-1300	1914	15	21-177578

Type approval no.:
E11*58R-02010003

Sliding underrun protection

URSP



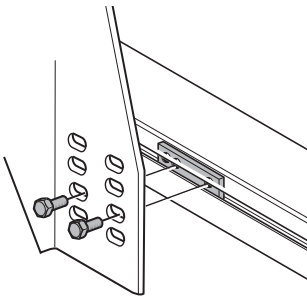
Type	Length L (mm)	Weight (kg)	Part no.
URSP, 600 mm manual	661	83	21-192000
URSP, 1000 mm manual	1061	92	21-192100
URSP, 600 mm hydraulic.....	661	92	21-192200
URSP, 1000 mm hydraulic....	1061	101	21-192300

Type approval no.:
E11*58R-0210206

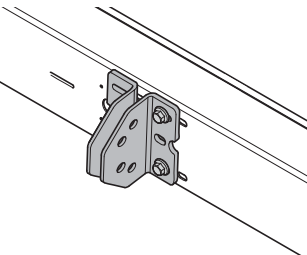
Underrun protection



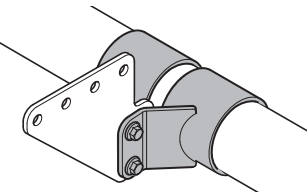
Bracket for protective beam



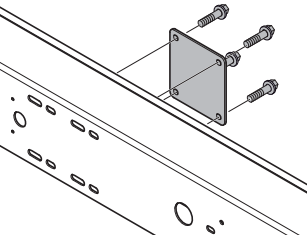
Part no.**21-175000**
Weight 1 kg



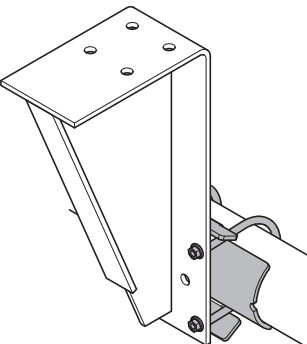
Part no.**21-175178**
Weight 7,3 kg



Part no.**21-178478**
Weight 10,6 kg



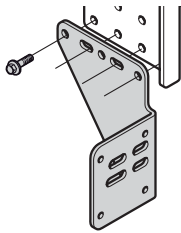
Part no.**21-178378**
Weight 1,7 kg



Part no.**21-183478**
Weight 5,7 kg

Underrun protection

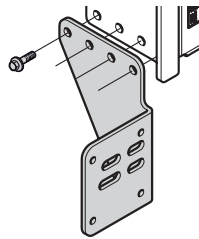
Endplate Kits



EUS-4 45/60

Part no. 21-225678

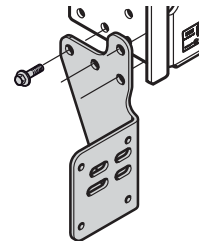
Weight 7,6 kg



EUS-4 50

Part no. 21-225078

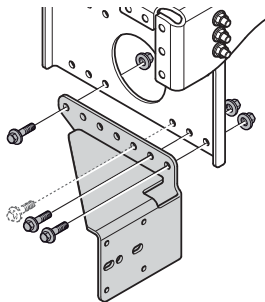
Weight 7 kg



EUS-4 60

Part no. 21-225378

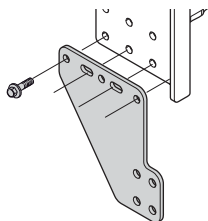
Weight 7,6 kg



EUS-MFC

Part no. 21-184678

Weight 16,7 kg



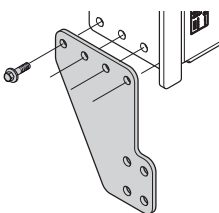
EUP 45/60

Part no. H=195 21-212278

Weight 6 kg

Part no. H=135 21-212578

Weight: 5 kg



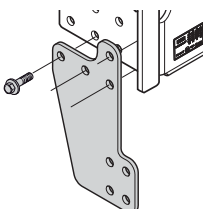
EUP 50

Part no. H=195 21-212378

Weight 5,5 kg

Part no. H=135 21-212678

Weight: 4,5 kg



EUP 60

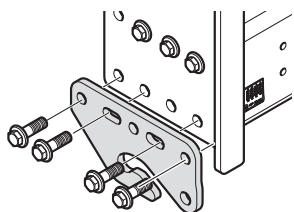
Part no. H=195 21-212478

Weight 5,5 kg

Part no. H=135 21-212778

Weight: 4,5 kg

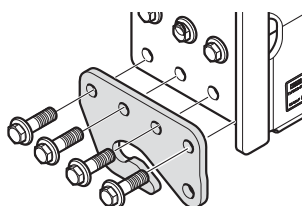
Underrun protection



EUR-4 45/60

Part no. 21-230578

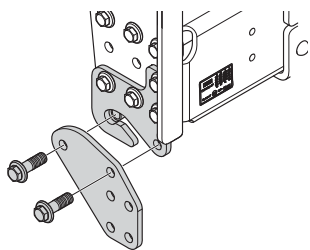
Weight 6,7 kg



EUR-4 50

Part no. 21-230478

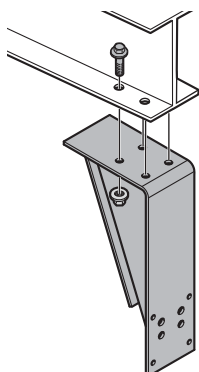
Weight 6,5 kg



EUR-4 60

Part no. 21-215378

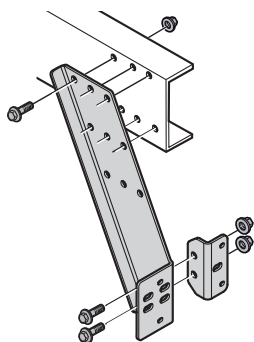
Weight 9 kg



EUT

Part no. 21-086078

Weight 23 kg

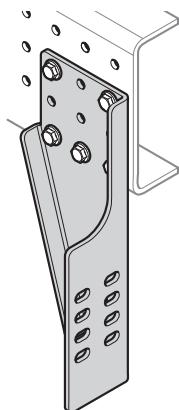


EUL

Part no. 21-186978

Weight 12 kg

Underrun protection



EUH-2 DAF 60x60

Part no. 21-227578

Weight 14,4 kg

EUH-2 Iveco 45x45

Part no. 21-226078

Weight 12,6 kg

EUH-2 MAN/Mercedes 50x45/40

Part no. 21-226978

Weight 12,9 kg

EUH-2 Mercedes 50x50

Part no. 21-226678

Weight 13,2 kg

EUH-2 Scania 50x50

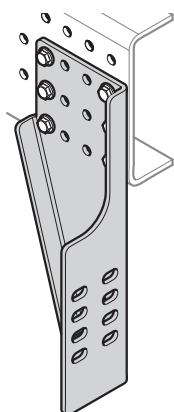
Part no. 21-226378

Weight 13,2 kg

EUH-2 Volvo/RVI 50x60

Part no. 21-227278

Weight 13,6 kg



EUM-2 DAF 60x60

Part no. 21-229378

Weight 19,8 kg

EUM-2 Iveco 45x45

Part no. 21-227878

Weight 17,0 kg

EUM-2 MAN/Mercedes 50x45/40

Part no. 21-228778

Weight 17,5 kg

EUM-2 Mercedes 50x50

Part no. 21-228478

Weight 18,0 kg

EUM-2 Scania 50x50

Part no. 21-228178

Weight 17,9 kg

EUM-2 Volvo/RVI 50x60

Part no. 21-229078

Weight 18,5 kg

Underrun protection

Attaching underrun protection

Bracket UPSO-2 50

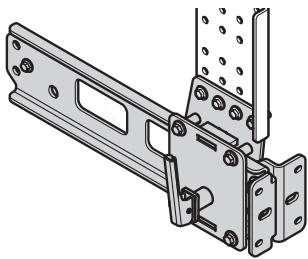
Part no.21-230078
Weight 37 kg

Bracket UPSO-2 45/60

Part no.21-229678
Weight 37 kg

Bracket UPSO-2 60

Part no.21-225778
Weight 37 kg

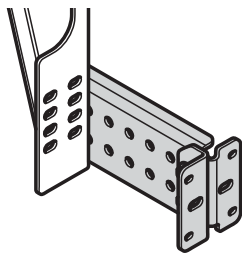


Attaching underrun protection

Bracket UPS-2

Fits UHAP-2
Part no.21-230678
Weight 15,5 kg

Fits UCSP
Part no.21-230778
Weight 12,0 kg



Hinged underrun protection

EUf-2

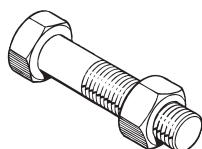
Left, part no.21-176578
Right, part no.21-176678
Weight/pair 31 kg
Type approval no See respective protective beam

Accessories

	Part no.
Parallel bracket.....	21-179778
Screw kit for truck frame.....	21-182400
Arm stop kit.....	21-187778



Bolt kits for thickness 14-27 mm

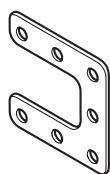


Description	Weight (kg)	Part no.
50 mm M14, 10.9, 10-pack	1,5	21-202200
50 mm M14, 10.9, 4-pack	0,6	21-202300
50 mm M16, 10.9, 10-pack	2,1	21-204700
50 mm M16, 10.9, 4-pack	0,9	21-204800

Bolt kits for thickness 24-37 mm

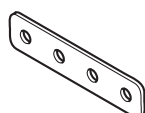
Description	Weight (kg)	Part no.
60 mm M14, 10.9, 10-pack	1,6	21-202400
60 mm M14, 10.9, 4-pack	0,6	21-204600
60 mm M16, 10.9, 10-pack	2,3	21-204900
60 mm M16, 10.9, 4-pack	0,9	21-205000

Spacer for DB75V-2

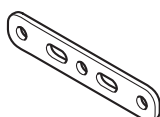


Thickness	Weight (kg)	Part no.
1 mm	0,14	20-108600
2 mm	0,27	20-108700
5 mm	0,66	20-108800
8 mm	1,06	20-108900
10 mm	1,32	20-109000

Spacer for DB-C7



Thickness	Weight (kg)	Part no.
1 mm	0,06	20-109100
2 mm	0,13	20-109200
5 mm	0,31	20-109300
8 mm	0,49	20-109400
10 mm	0,62	20-109500



Thickness	Weight (kg)	Part no.
1 mm	0,06	20-109600
2 mm	0,12	20-109700
5 mm	0,29	20-109800
8 mm	0,46	20-109900
10 mm	0,58	20-110000



Thickness	Weight (kg)	Part no.
1 mm	0,03	20-110100
2 mm	0,06	20-110200
5 mm	0,12	20-110300
8 mm	0,18	20-110400
10 mm	0,23	20-110500

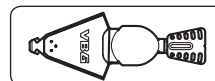
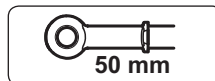
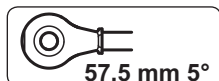
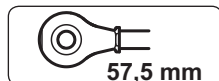
Drawbars

Specifications

D 188 kN
A_v 18 tons
 Length ≤ 3500 mm
 Type approval no
 E11*55R-014637

D 162 kN
A_v 18 tons
 Length > 3500 mm
 Type approval no
 E11*55R-014636

D 130 kN
A_v 12 tons
 Type approval no
 E11*55R-014978



Multi XF

Part no. see www.vbg.eu

Weight see www.vbg.eu

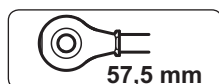


Multi XF

Part no. see www.vbg.eu

Weight see www.vbg.eu

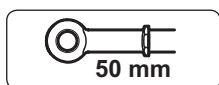
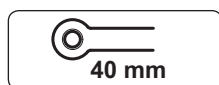
D 179 kN
A_v 18 tons
 Type approval no
 E11*55R-013425



Multi D 179

Part no. see www.vbg.eu

Weight see www.vbg.eu



D 130 kN
A_v 12 tons
 Type approval no
 E11*55R-012589



Multi D 130

Part no. see www.vbg.eu

Weight see www.vbg.eu



Front part Multi D 158/179

Part no. see www.vbg.eu

Weight see www.vbg.eu



Front part Multi D 158/179

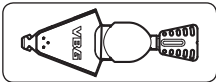
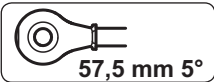
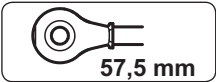
Part no. see www.vbg.eu

Weight see www.vbg.eu

D 158/179 kN
A_v 18 tons
 Type approval no
 E11*55R-018218

D 158/179 kN
A_v 18 tons
 Type approval no
 E11*55R-018218

Drawbars



Optimal

Part no.....see www.vbg.eu
Weightsee www.vbg.eu



Optimal

Part no.....see www.vbg.eu
Weightsee www.vbg.eu



Automatic drawbar

Part no..... 26-100000

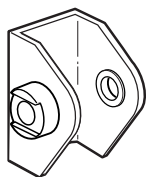
Specifications

D 179 kN
A_V 18 tons
Length ≤ 3500 mm
Class E
Type approval no
E11*55R-016004
D 162 kN
A_V 18 tons
Length > 3500 mm
Class E
Type approval no
E11*55R-016279
D 130 kN
A_V 12 tons
Class E
Type approval no
E11*55R-016280

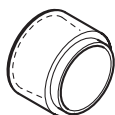
D 152 kN
A_V 18 tons
Type approval no
e11*94/20*4456

Accessories

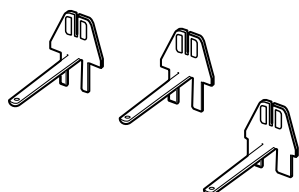
Joint accessories



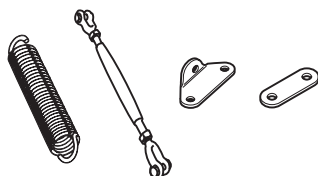
Part no.
Trailer bracket for Vibra block.....**26-057300**



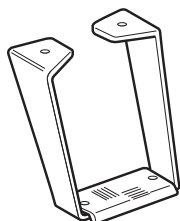
Sleeve for welding of trailer bracket BRIAB.....**25-064800**



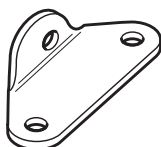
Centering tool for drawbar eye DIN Ø 40 mm**25-055000**
Centering tool for drawbar eye ISO Ø 50 mm**25-055100**
Centering tool for drawbar eye VBG Ø 57 mm.....**25-055200**



Balancing kit**25-053700**
(incl. balance spring, rigging screw and spring retainer)



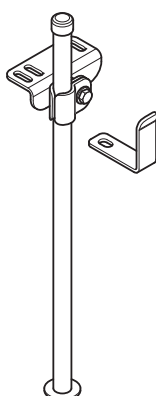
Foot step.....**25-054100**



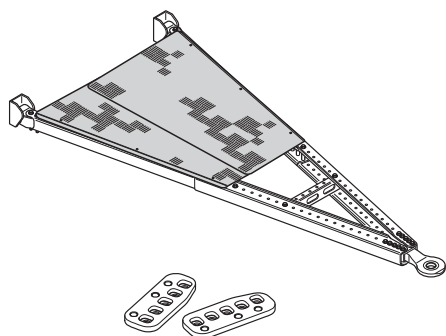
Spring retainer.....**25-054900**



Holder for power plug.....**18-030100**

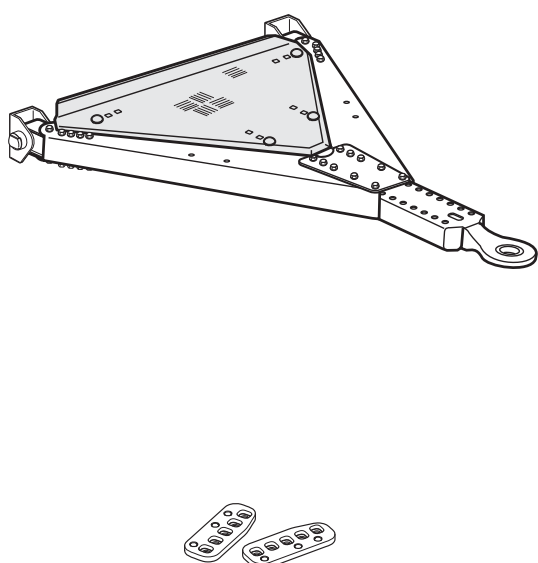


Support.....**25-083778**



Unique accessories Multi XF

	Part no.
Catwalk.....	25-074300
Mounting plates for MFC Towing adapter	08-106000



Unique accessories Multi

	Part no.
Catwalk, short	25-054800

Fits following drawbars:

25-056078	25-059778	25-061678	25-056178
25-060278	25-062178	25-056278	25-060378
25-062278	25-059478	25-061378	25-063178
25-059578	25-061478	25-063278	25-059678
25-061578	25-063578		

Catwalk, medium.....	25-054700
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Fits following drawbars:

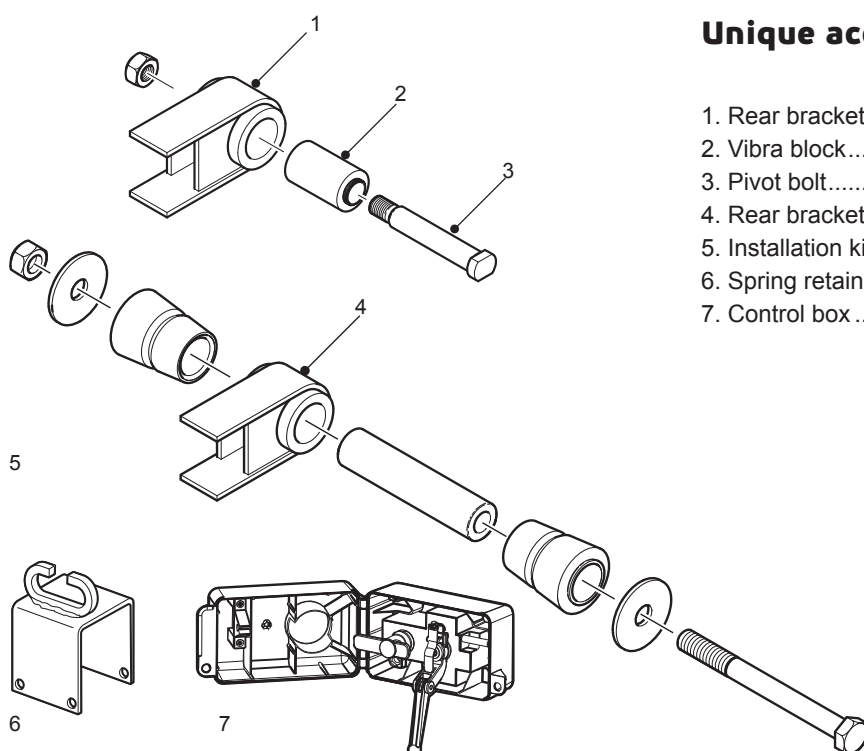
25-044378	25-045378	25-060478	25-044478
25-045478	25-062378	25-044578	25-056378
25-063378	25-044678	25-056478	25-063478
25-045178	25-056578	25-063678	25-045278

Catwalk, long	25-054600
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Fits following drawbars:

25-043978	25-044778	25-045578	25-044078
25-044878	25-045678	25-044178	25-044978
25-045778	25-044278	25-045078	25-045878

Mounting plates for MFC Towing adapter	08-106000
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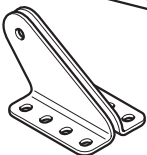
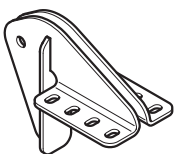
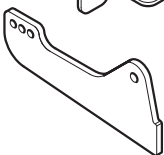
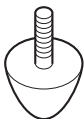
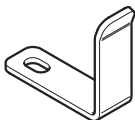
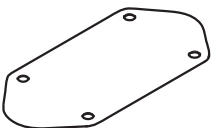
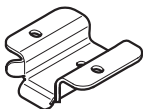
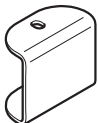
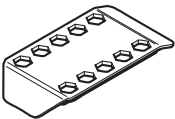
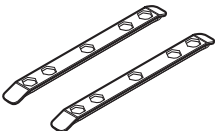


Unique accessories Automatic drawbar

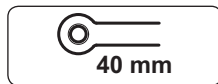
	Part no.
1. Rear bracket.....	25-013000
2. Vibra block.....	26-050700
3. Pivot bolt.....	18-055600
4. Rear bracket Briab.....	25-013500
5. Installation kit.....	26-058600
6. Spring retainer	26-071700
7. Control box	07-108000

Accessories

Unique accessories Optimal

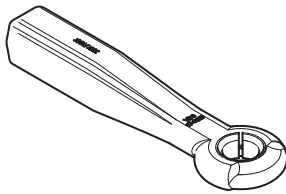
	Part no.
Lifting bracket alt 1	25-088278
	
Lifting bracket alt 2	25-087878
	
Lifting bracket alt 3	25-089478
	
Lifting arm	25-089378
	
Damper	25-088700
	
Cable bracket	25-088678
	
Cover plate	25-088178
	
Cable protection	25-088078
	
Bracket for welding	25-087900
	
Sliding bracket, front	25-108578
	
Sliding bracket, rear	25-108478
	
Mounting plate for MFC Towing adapter	08-105900

Drawbar eyes



Welded drawbar eyes

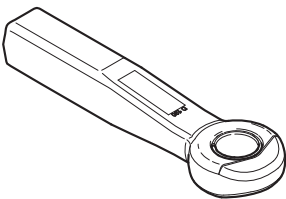
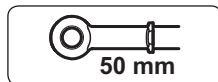
Specifications



DBE 129

Part no.17-012900
Weight7,3 kg

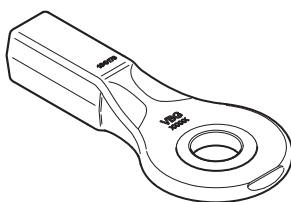
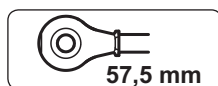
Total weight 48 tons
Trailer weight 32 tons
Support load 900 kg



DBE 895

Part no.16-089500
Weight 10 kg

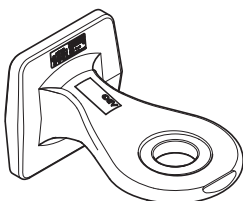
D value 190 kN
Dc value 150 kN
V value 25 kN
Support load 1000 kg
Class D50-X
Type approval no.
E4*55R-013731



DBE 173

Part no. 15-017300
Weight12,7 kg

D-value 200 kN
Dc-value -
V-value -
Support load -
Class S
Type approval no.
E4*55R-010332

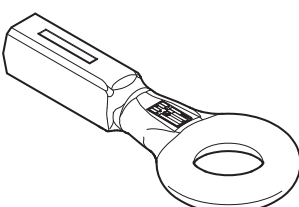
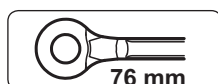


DBE 230

Part no. 15-023000
Weight 19,8 kg

	Alt. 1	Alt. 2
D (kN)	290	290
D _c (kN)	145	150
V (kN)	95	75
S (kg)	1000	2000

Type approval no.
E11*55R-019835



DBE 132

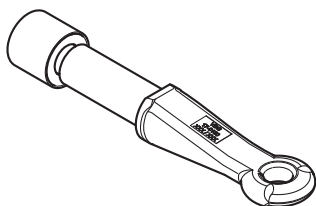
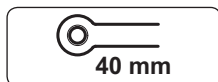
Part no.17-014400
Weight 9,7 kg

D value 190 kN
Dc value -
V value -
Support load -
Type approval no.
E11*55R-017329

Drawbar eyes

Specifications

Total weight	48 Ton
Trailer weight	32 Ton
Support load	1000 kg

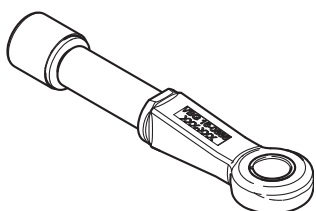
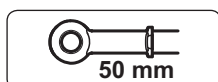


Screwed drawbar eyes

DBE 130

Part no.17-013000
Weight 10,3 kg

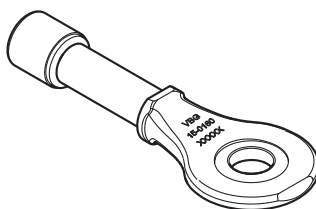
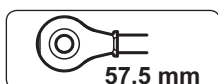
D value	190 kN
Dc value	120 kN
V value	40 kN
Support load	1000 kg
Class D50-X	
Type approval no.	E11*55R-013731



DBE 885

Part no.16-088500
Weight 12 kg

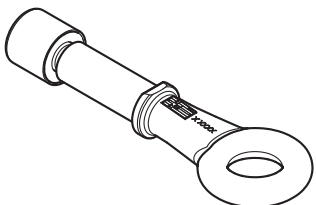
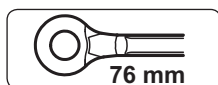
D value	190 kN
Dc value	120 kN
V value	40 kN
Support load	1000 kg
Class S	
Type approval no.	E4*55R-010319



DBE 160

Part no.15-016000
Weight 13 kg

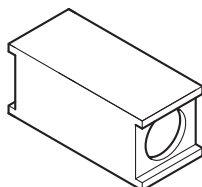
D value	190 kN
Dc value	120 kN
V value	40 kN
Support load	1000 kg
Type approval no.	E11*55R-017330



DBE 172

Part no.17-017200
Weight 13,3 kg

Sleeve



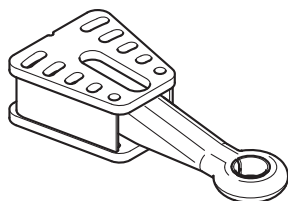
Part no.17-015800
Weight 7,2 kg
☑ 90 mm for use with all types of screwed drawbar eyes.

Drawbar eyes



40 mm

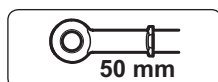
Drawbar eyes for Multi XF and Optimal



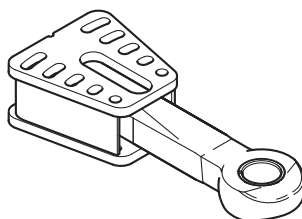
Part no. **25-073083**
Weight 15,5 kg

Specifications

D value 130 kN
Dc value -
V value -
Support load -
Type approval no
see respective drawbars

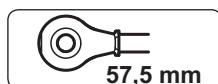


50 mm

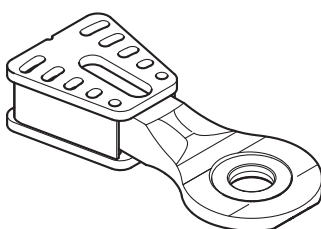


Part no. **25-073183**
Weight 15,8 kg

D value 188 kN
Dc value -
V value -
Support load -
Class D50-X
Type approval no
see respective drawbars

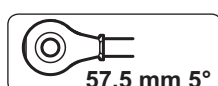


57,5 mm

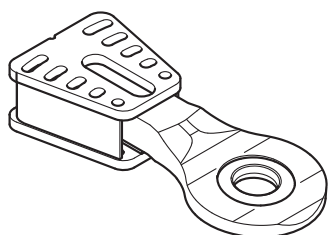


Part no. **25-073283**
Weight 16,2 kg

D value 188 kN
Dc value -
V value -
Support load -
Class S
Type approval no
see respective drawbars

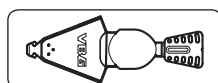


57,5 mm 5°

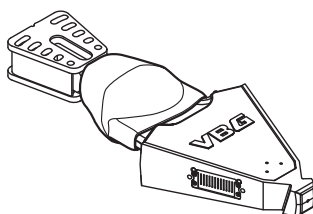


Part no. **25-073383**
Weight 16,2 kg

D value 188 kN
Trailer weight -
Centre-axle trailer weight -
Support load -
Class S
Type approval no
see respective drawbars



Drawbar wedge for Multi XF and Optimal



	Weight (kg)	Part no.
Drawbar wedge standard	62	08-108700
Drawbar wedge hydraulic	73	08-109000

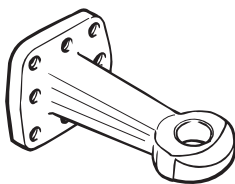
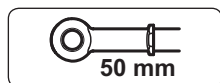
D value 188 kN
Type approval no.
E24*55R-010106

Angles
Horizontally ± 90°
Vertically ± 20°
Axially ± 25°

Drawbar eyes

Specifications

D value	190 kN
Dc value	120 kN
V value	50 kN
Support load	1000 kg
Class D50-C	
Type approval no. E4*55R-010333	

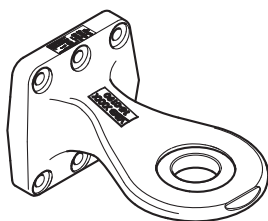
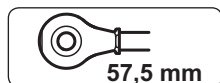


Flanged drawbar eyes

DBE 917

Part no.	16-091700
Weight	11,3 kg

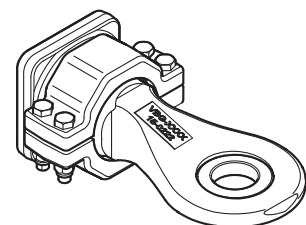
	Alt. 1	Alt. 2
D value (kN)	290	290
Dc value (kN)	145	130
V value (kN)	95	75
Support load (kg)	1000	2000
Class S		
Type approval no. E4*55R-01008		



DBE 190

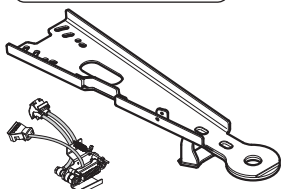
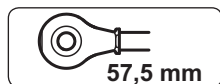
Part no.	15-019000
Weight	19 kg

D value	290 kN
Dc value	135 kN
V value	75 kN
Support load	1000 kg
Class S	
Type approval no. E11*55R-015820	



DBE 157

Part no.	15-020500
(kit with mounting plate)	
Weight	20 kg

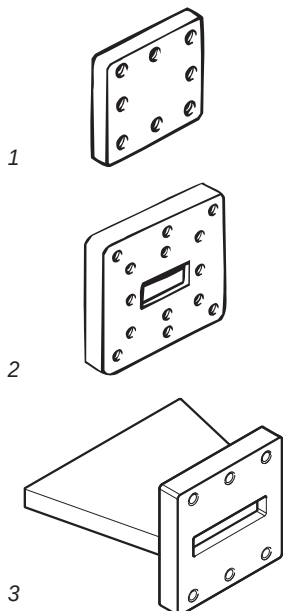


VBG MFC Towing adapter

Max tractor unit weight 34.6 tonne.

Part no.	08-106100
-----------------------	------------------

Mounting plates



For drawbar eye	Part no.
16-091700:	16-091000
.....	15-020200
15-019000:	15-020200
.....	15-019800

16-091000 (1)	8 threaded hole
15-020200 (2)	6+8 threaded hole
15-019800 (3)	6 threaded hole
	with welded wing

Bolt kits

For drawbar eye	Part no.
15-019000:	15-019200
	6 bolts M16, Quality 12.9
16-091700:	15-020600
	8 bolts M16, Quality 12.9

Power plug 14/17 and 14/17 SAL



14 or 17 terminals

Standard or SAL version*

2 cable inlets, Ø 10,5 mm – 15,0 mm

Terminal 1 and 2 9,5 mm 25 A

Single terminal 6,5 mm 15 A

Double terminal 6,5 mm 10 A

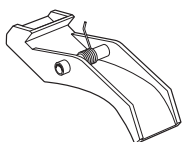
The permitted amperage in VBG's power plugs is limited by the earth connection, i.e. a maximum of 25 A.

* SAL-version comparable to IP class 54.

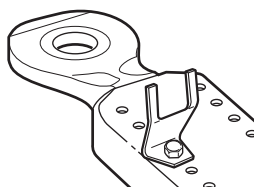
Description	Part no.	Part no. 10-pack
Power plug 14, box.....	28-029000	28-029001
Power plug 14, plug.....	28-036000	28-036001
Power plug 14 SAL, box.....	28-034000	28-034001
Power plug 14 SAL, plug.....	28-036100	28-036101
Power plug 17, box.....	28-029200	28-029201
Power plug 17, plug.....	28-036200	28-036201
Power plug 17 SAL, box.....	28-034500	28-034501
Power plug 17 SAL, plug.....	28-036300	28-036301

Accessories

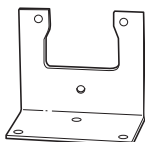
	Part no.
Lock hook for plug.....	28-027600



Electric heating coil for box or plug.....**28-029900**



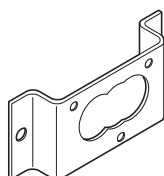
Bracket for recessing.....**18-029700**



Angle bracket.....**18-029400**



Straight bracket for welding.....**18-029600**



Socket for plug.....**18-030100**

Flexible cables



Spiral cable 14-pole

Part no. 28-033500

Weight 2.9 kg

Working length..... 2 250 mm

Max. extension length..... 4 000 mm

Protection class IP67 and IP69K in accordance with DIN 40050.

Technical data

Temperature range -40 °C - +85 °C

Other technical data can be found at www.vbg.eu.



Spiral cable 15-pole

Part no. 28-033600

Weight 2.9 kg

Working length..... 2 250 mm

Max. extension length..... 4 000 mm

Protection class IP67 and IP69K in accordance with DIN 40050.

Technical data

Temperature range -40 °C - +85 °C

Other technical data can be found at www.vbg.eu.



Spiral cable adapter

Part no. 28-043700

Weight 2.0 kg

Working length..... 2 250 mm

Max. extension length..... 4 000 mm

Protection class IP67 and IP69K in accordance with DIN 40050.

Technical data

Temperature range..... -40 °C - +85 °C

Other technical data can be found at www.vbg.eu.



ABS connector 5-pole

Part no. 28-037500

Weight 2.9 kg

Working length..... 2 250 mm

Max. extension length..... 4 000 mm

Protection class IP67 and IP69K in accordance with DIN 40050.

Technical data

Temperature range -40 °C - +85 °C

Other technical data can be found at www.vbg.eu.



Spiral cable 7-pole EBS

Part no. 28-037600

Weight 2.9 kg

Working length..... 2 250 mm

Max. extension length..... 4 000 mm

Protection class IP67 and IP69K in accordance with DIN 40050.

Technical data

Temperature range -40 °C - +85 °C

Other technical data can be found at www.vbg.eu.



Spiral cable 15-pole

Part no.28-037700
Weight 2,9 kg
Working length 2 250 mm
Max. extension length 4 000 mm
Protection class IP67 and IP69K in accordance with DIN 40050.

Technical data

Temperature range -40 °C - +85 °C
Other technical data can be found at www.vbg.eu.



Spiral cable 7-pole

Part no.28-037800
Weight 2,9 kg
Working length 2 250 mm
Max. extension length 4 000 mm
Protection class IP67 and IP69K in accordance with DIN 40050.

Technical data

Temperature range -40 °C - +85 °C
Other technical data can be found at www.vbg.eu.



7-pole Spiral cable

Part no.28-037900
Weight 2,9 kg
Working length 2 250 mm
Max. extension length 4 000 mm
Protection class IP67 and IP69K in accordance with DIN 40050.

Technical data

Temperature range -40 °C - +85 °C
Other technical data can be found at www.vbg.eu.



Spiral cable adapter 15/7/7-pole

Part no.28-040000
Weight 2,9 kg
Working length 2 250 mm
Max. extension length 4 000 mm
Protection class IP67 and IP69K in accordance with DIN 40050.

Technical data

Temperature range -40 °C - +85 °C
Other technical data can be found at www.vbg.eu.



Spiral cable 17-pole

Part no.28-046400
Weight 2,0 kg
Working length 2 250 mm
Max. extension length 4 000 mm
Protection class IP67 and IP69K in accordance with DIN 40050.

Technical data

Temperature range -40 °C - +85 °C
Other technical data can be found at www.vbg.eu.

Special oils



VBG MechOil

Part no..... 49-005500

Spray can of 400 ml, supplied in 12-pack.



VBG ElectroOil

Part no..... 49-005300

Spray can of 400 ml, supplied in 12-pack.



Keep it safe-kit

Part no..... 49-002400

The kit contains:

- 1 st Wear gauge (plastic)
 - 1 st Driver's Manual
 - 1 st MechOil
 - 1 st ElectroOil
-

Rear marker plates

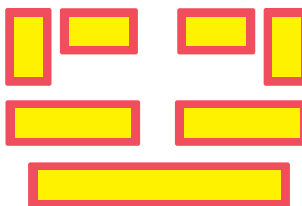
Reflectors for trucks



The rear marker plates comply with all the requirements in ECE directive no. 70 and supplement no. 70.01. The aluminium plates have rounded corners: R=15 mm.

Size	1 set =	Order no.	10-pack
132 x 283.....Self-adhesive.....	4 pcs.....	98-016800.....	98-016801
132 x 283.....Aluminium.....	4 pcs.....	98-026800.....	98-026801
132 x 565.....Self-adhesive.....	2 pcs.....	98-017000.....	98-017001
132 x 565.....Aluminium.....	2 pcs.....	98-027000.....	98-027001
132 x 1130Self-adhesive.....	2-part.....	98-017000.....	98-017001
132 x 1130Aluminium.....	1 pcs.....	98-027100.....	98-027001

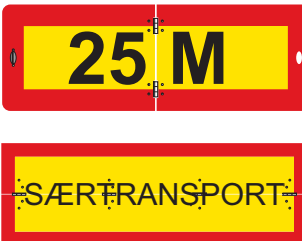
Reflectors for trailers



The rear marker plates comply with all the requirements in ECE directive no. 70 and supplement no. 70.01. The aluminium plates have rounded corners: R=15 mm.

Size	1 set =	Order no.	10-pack
197 x 283.....Self-adhesive.....	4 pcs.....	98-017200.....	98-017201
197 x 283.....Aluminium.....	4 pcs.....	98-027200.....	98-027201
197 x 565.....Self-adhesive.....	2 pcs.....	98-017300.....	98-017301
197 x 565.....Aluminium.....	2 pcs.....	98-027300.....	98-027301
197 x 1130Self-adhesive.....	2-part.....	98-017400.....	98-017401
197 x 1130Aluminium.....	1 pcs.....	98-027400.....	98-027401

Reflectors for Modular System



The signs can be folded together when not running the modular vehicle combination.

Specifications	Quantity	Order no.
Reflex modular vehicle	1 pcs	98-418000
Reflex modular vehicle "SÆRTRANSPORT"	1 pcs	98-029800

Reflectors with text "WIDE LOAD"



Size	Qty	Order no.
1280 x 410 Aluminium 2 mm.....	1 pcs	98-025000

Outline markers



Approved and marked in accordance with ECE directive no. 104.

Self-adhesive reflector strips: 50,8 mm x 50 m.

Outline markers for hard sides **Best. nr**

Red (Rear).....	98-011100
Yellow (Side).....	98-011200
White (Side).....	98-011300

Other types of markers can be quoted on request.

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