



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED ⁽¹⁾/ ~~APPROVAL EXTENDED ⁽⁴⁾/~~
~~APPROVAL REFUSED ⁽⁴⁾/~~ ~~APPROVAL WITHDRAWN ⁽⁴⁾/~~ ~~PRODUCTION DEFINITELY~~
~~DISCONTINUED ⁽¹⁾~~ OF A TYPE OF MECHANICAL COUPLING DEVICE OR COMPONENT,
PURSUANT TO REGULATION NO 55.02



Approval No: E11*55R02/01*11925*00

1. Trade name or mark of the device or component: Brink
2. Type of device or component: 6888
3. Manufacturer's name and address:

Brink Towing Systems B.V.
Industrieweg 5
NL - 7951 CX Staphorst
The Netherlands
4. If applicable, name and address of the manufacturer's representative: Not applicable
5. Alternative supplier's names or trademarks applied to the device or component: Not applicable
6. Name and address of company or body taking responsibility for the conformity of production:
See item 3
7. Submitted for approval on: 01 June 2021
8. Technical service responsible for conducting approval tests: TÜV SÜD Auto Service GmbH

9. Brief description: Non-standard coupling ball 50, detachable
- 9.1. Type and class of device or component: 6888; A50-X
- 9.2. Characteristic values:
- 9.2.1. Primary values:
- | | | |
|-------------|---------------------------|-----------|
| D: 10.72 kN | D _c : 10.72 kN | S: 100 kg |
| U: - tonnes | V: - kN | |
- Alternative values: Not applicable
- | | | |
|-------------|-----------------------|---------|
| D: - kN | D _c : - kN | S: - kg |
| U: - tonnes | V: - kN | |
- 9.3. For Class A mechanical coupling devices or components, including towing brackets:
- Maximum permissible vehicle mass as declared by the vehicle manufacturers: 2535 kg
- Distribution of maximum permissible vehicle mass between the axles:
 Front: 1193 kg
 Rear: 1342 kg
- Vehicle manufacturer's maximum permissible towable trailer mass: 2000 kg
- Vehicle manufacturer's maximum permissible static mass on coupling ball: 100 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: 1952 kg
- Loading condition under which the tow ball height of a mechanical coupling device fitted to category M₁⁽²⁾ vehicles is to be measured -see paragraph 2 of Annex 7, Appendix 1:
 As declared by the vehicle manufacturer
- 9.4. For class B coupling heads, is the coupling head intended to be fitted to an unbraked O₁ trailer: ~~YES/NO~~ ⁽¹⁾ Not applicable
10. Instructions for the attachment of the coupling device or component type to the vehicle and photographs or drawings of the mounting points (see Annex 2, Appendix 1) given by the vehicle manufacturer: See manufacturers documentation
11. Information on the fitting of any special reinforcing brackets or plates or spacing components necessary for the attachment of the coupling device or component (see Annex 2, Appendix 1): Not applicable
12. Additional information where the use of the coupling device or component is restricted to special types of vehicles - see Annex 5, paragraph 3.4.: Not applicable

13. For Class K hook type couplings, details of the drawbar eyes suitable for use with the particular hook type.: Not applicable
14. Date of test report: 25 January 2022
15. Number of test report: 22-00016-CX-GBM-00
16. Approval mark position: Type plate on crossbeam
17. Reason(s) for extension of approval: Not applicable
18. Approval ~~GRANTED/EXTENDED/REFUSED/WITHDRAWN~~⁽¹⁾
19. Place: BRISTOL
20. Date: 08 MARCH 2022
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.

(1) Strike out what does not apply.

(2) As defined in the Consolidated Resolution on the Construction of Vehicles (R.E.3.), document ECE/TRANS/WP.29/78/Rev.3, para. 2 - www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html.



Vehicle
Certification
Agency

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11*55R02/01*11925*00

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: Not applicable

Conformity of Production (COP) Declaration COP Confirmed

Assessment Method COP Audit

Date of Initial Clearance April 2013

Date of Last Clearance March 2022

Total number of sheets: 20 (Twenty)

Reasons for Revision: Not applicable

Revision Date
&
Office Stamp

Relating to the EEC Type Approval as a component of Mechanical Coupling Devices for Motor Vehicles and their trailers (ECE R55).

0 GENERAL

0.1 Make (trade name of Manufacture): Brink.

0.2 Type and commercial description(s): 6888

0.5 Name and address of manufacturer: Brink Towing Systems B.V., Industrieweg 5, NL-7951 CX, Staphorst

0.7 In the case of components and separate technical units, location and method of affixing of the EEC approval mark: type plate on crossbeam.

0.8 Address(es) of assembly plants(s): **Brink Towing Systems B.V.**, Industrieweg 5, NL-7951 CX Staphorst, The Netherlands / **Brink Towing Systems SARL**, ZAC des Naux, F-51450 Bétheny, France / **Brink Towing Systems (Pty) Ltd**, 14 Old Fields Road, Mkondeni, 3200 Pietermaritzburg, South Africa / **Brink Towing Systems (Thailand) Co. Ltd**, 64/81 Moo.4, Eastern Seaboard Industrial Estate, ESIE 14, Pluak Daen, Pluak Daeng, Rayong, 21140, Thailand

1 CONNECTIONS BETWEEN DRAWING AND TRAILERS SEMI-TRAILERS

1.1 Detailed technical description (including drawings and material specifications) of the type of the mechanical coupling device: See drawing nr. 688805_01 Version C of 15-12-2021

1.2 Class and type of the coupling device(s): A50-X

1.3 Maximum D-value (1): 10,72 kN

1.4 Maximum vertical load S at the coupling point (1): 100 Kg

1.5 Maximum load U at the fifth wheel coupling (1): -- t

1.6 Maximum V-value (1): -- kN

1.7 Instructions of attachment of the coupling type to the vehicle and photographs or drawing of the fixing points at the vehicle given by the manufacturer; additional information if the use of the coupling type is restricted to special types of vehicles:

see fitting instructions type 688875 dated 15-12-2021

1.8 information of the fitting of special towing brackets or mounting plates (1):

--

Staphorst, 22-12-2021



Additional information regarding item 9. of ECE R55 Annex 1

0 GENERAL

Make (trade name of Manufacture): Brink.

Type and commercial description(s): 6888

Name and address of manufacturer: Brink Towing Systems B.V., Industrieweg 5, NL-7951 CX, Staphorst

9 Brief Description

9.1 Type and class of device or component: A50-X

9.2 Primary values:

D 10,72 kN S 100 kg

Alternative values: Not applicable

9.3 For class A mechanical coupling devices or components, including towing brackets:

Vehicle manufacturer's maximum permissible vehicle mass: 2535 kg

Distribution of maximum permissible vehicle mass between the axles: Front 1193 kg
Back 1342 kg

Vehicle manufacturer's maximum permissible towable trailer mass: 2000 kg

Vehicle manufacturer's maximum permissible static vertical mass on coupling ball: 100 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: 1952 kg

Loading condition under which the tow ball height of a mechanical coupling device fitted to category M1 vehicles is to be measured - see paragraph 2 of annex 7, appendix 1:
as declared by the vehicle manufacturer

If known EC type approval of vehicle:

If known EC type approval of vehicle:

Choice of the maximum vehicle masses in case of different vehicle versions:	ICE	BEV
Vehicle manufacturer's maximum permissible vehicle mass:	2285	2535 kg
Distribution of maximum permissible vehicle mass between the axles:	Front 1112 Back 1173	1193 kg 1342 kg
Vehicle manufacturer's maximum permissible towable trailer mass:	2000	1800 kg
Vehicle manufacturer's maximum permissible static vertical mass on coupling ball:	100	100 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:	1709	1952 kg
Calculated D-value:	10,46	10,33



Please complete information of attached drawings and manuals in the sheet below:

				Original date	Ver./Ch.	Rev	dtd.	Date	Reason for change: (in case of extension)
-1 drawing nr:	688805_01	Sheet	1 of 1 from	11-2-2021	Version	C	dtd.	22-12-2021	
-1 drawing nr:	6888_10	Sheet	1 of 1 from	12-2-2021	Version	B	dtd.	21-12-2021	
-1 drawing nr:	6887_04	Sheet	1 of 1 from	11-2-2021	Version	B	dtd.	21-12-2021	
-1 drawing nr:	6887_07	Sheet	1 of 2 from	11-2-2021	Version	B	dtd.	21-12-2021	
-1 drawing nr:	6887_08	Sheet	1 of 1 from	11-2-2021	Version	B	dtd.	21-12-2021	
-1 drawing nr:	6887_13	Sheet	1 of 2 from	11-2-2021	Version	B	dtd.	21-12-2021	
-1 drawing nr:	6887_15	Sheet	1 of 2 from	11-2-2021	Version	B	dtd.	21-12-2021	
-1 drawing nr:	6887_16	Sheet	1 of 2 from	12-2-2021	Version	B	dtd.	21-12-2021	
-1 drawing nr:	6887_17	Sheet	1 of 2 from	18-2-2021	Version	B	dtd.	09-03-2021	
-1 drawing nr:	6887_20	Sheet	1 of 1 from	11-2-2021	Version	B	dtd.	21-12-2021	
-1 drawing nr:	6887_25	Sheet	1 of 2 from	12-2-2021	Version	B	dtd.	23-06-2021	
-1 drawing nr:	6887_26	Sheet	1 of 2 from	12-2-2021	Version	B	dtd.	23-06-2021	
-1 drawing nr:	6887_30	Sheet	1 of 1 from	22-2-2021	Version	B	dtd.	21-12-2021	
-1 drawing nr:	6888_02	Sheet	1 of 2 from	12-2-2021	Version	B	dtd.	21-12-2021	
-1 drawing nr:	6888_03	Sheet	1 of 2 from	12-2-2021	Version	B	dtd.	21-12-2021	
-1 drawing nr:	60_65xx_55	Sheet	1 of 1 from	8-1-2019	Version	C	dtd.	13-11-2019	
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-1 drawing nr:		Sheet	of from						
-1 drawing nr:		Sheet	of from						

Fitting instructions

Alternative fitting instructions (optional):

688875

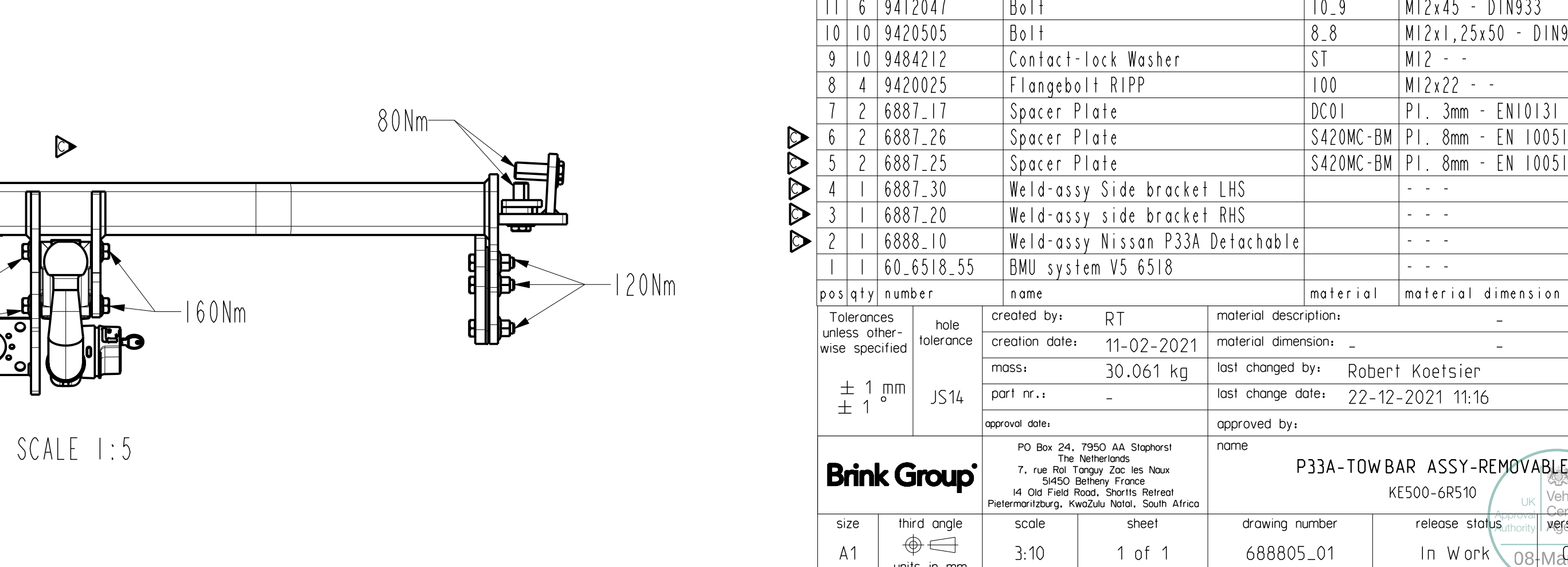
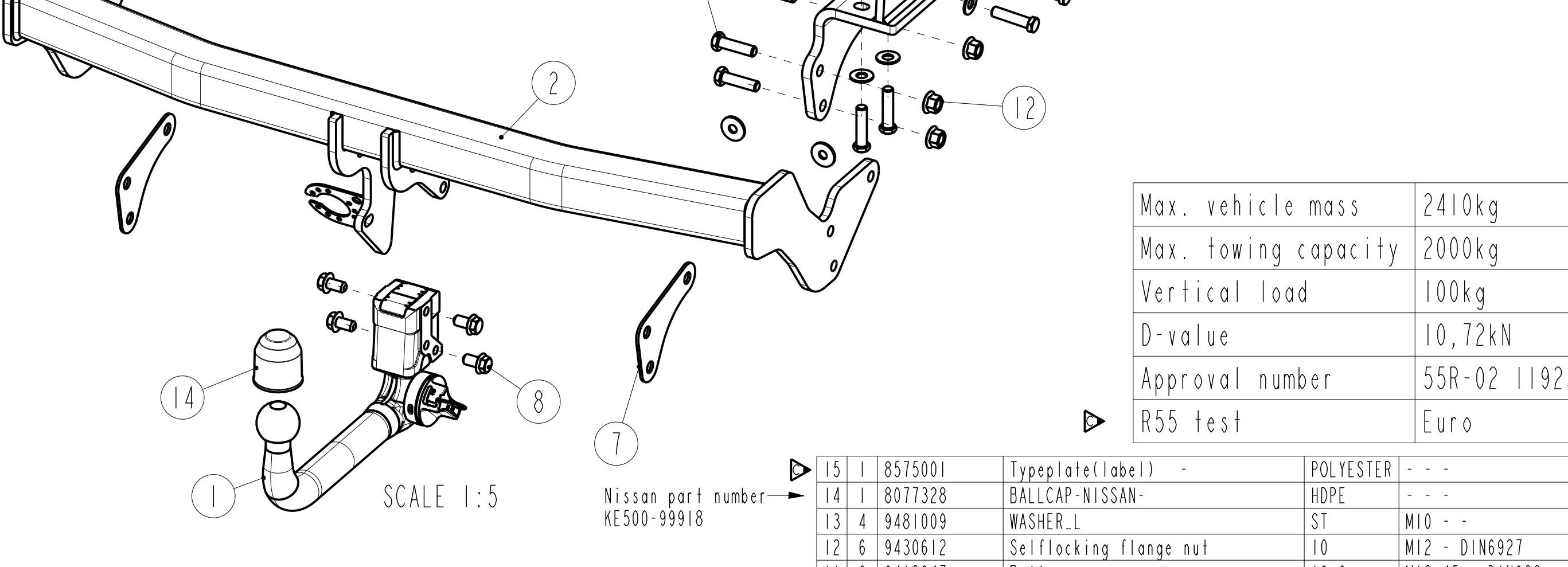
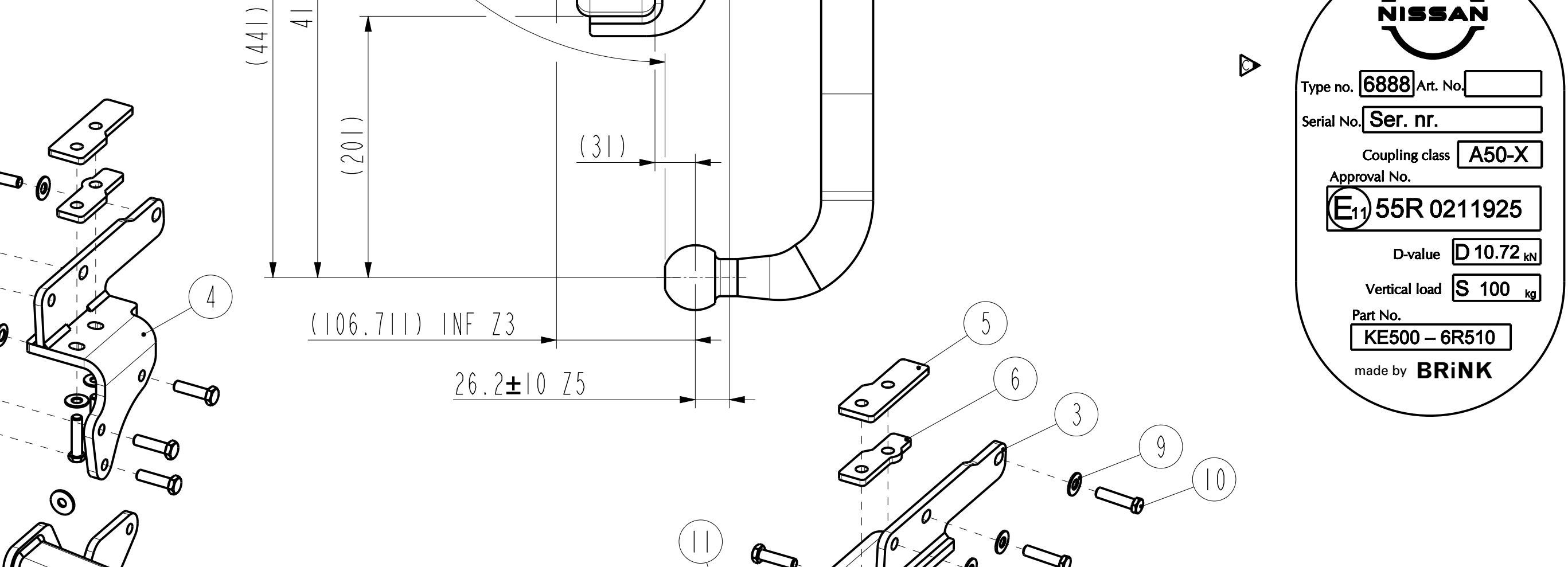
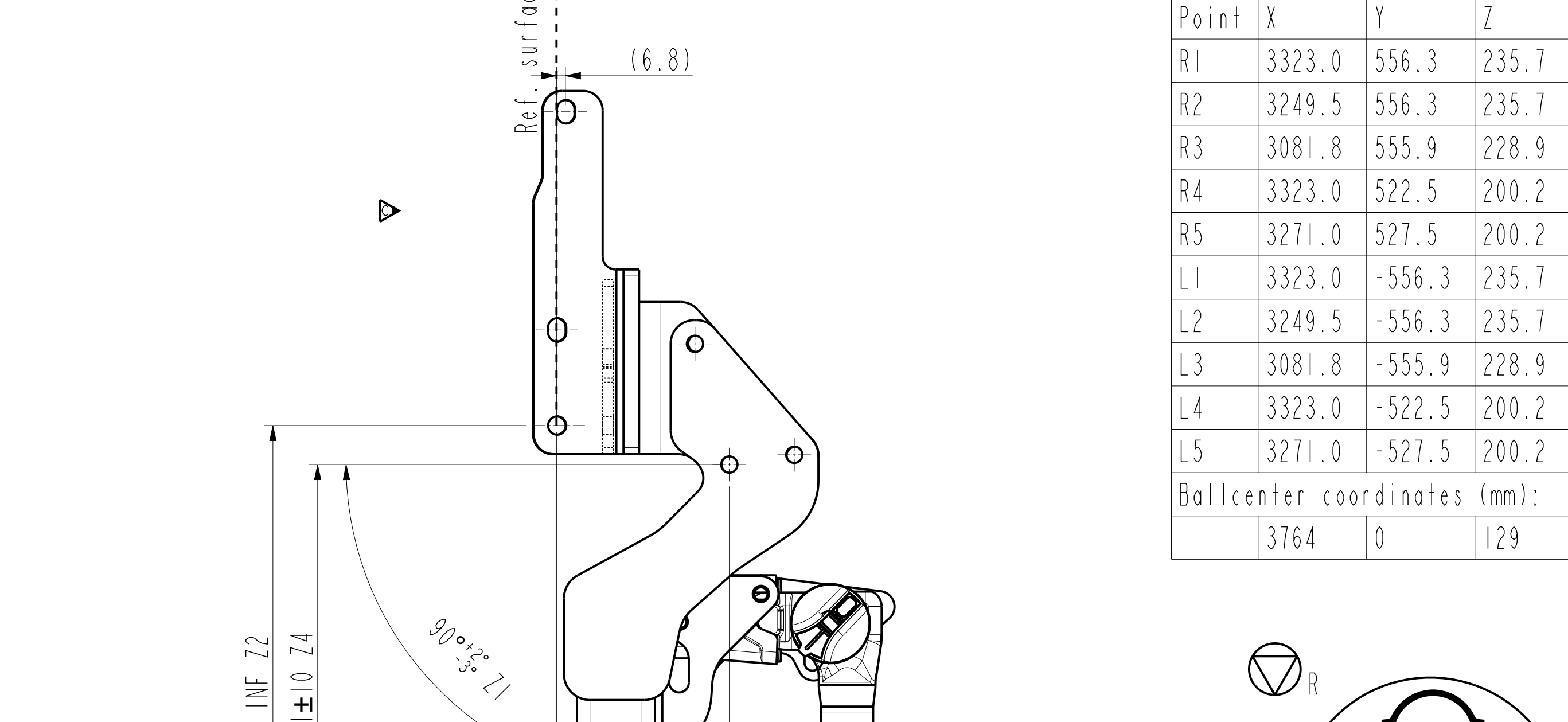
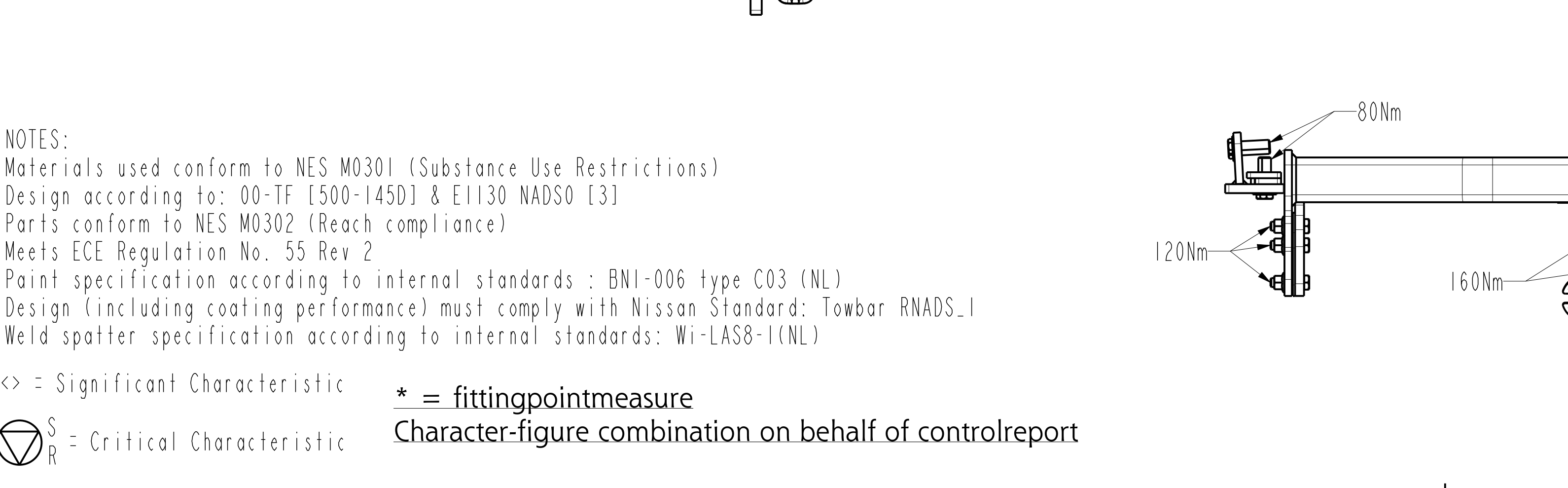
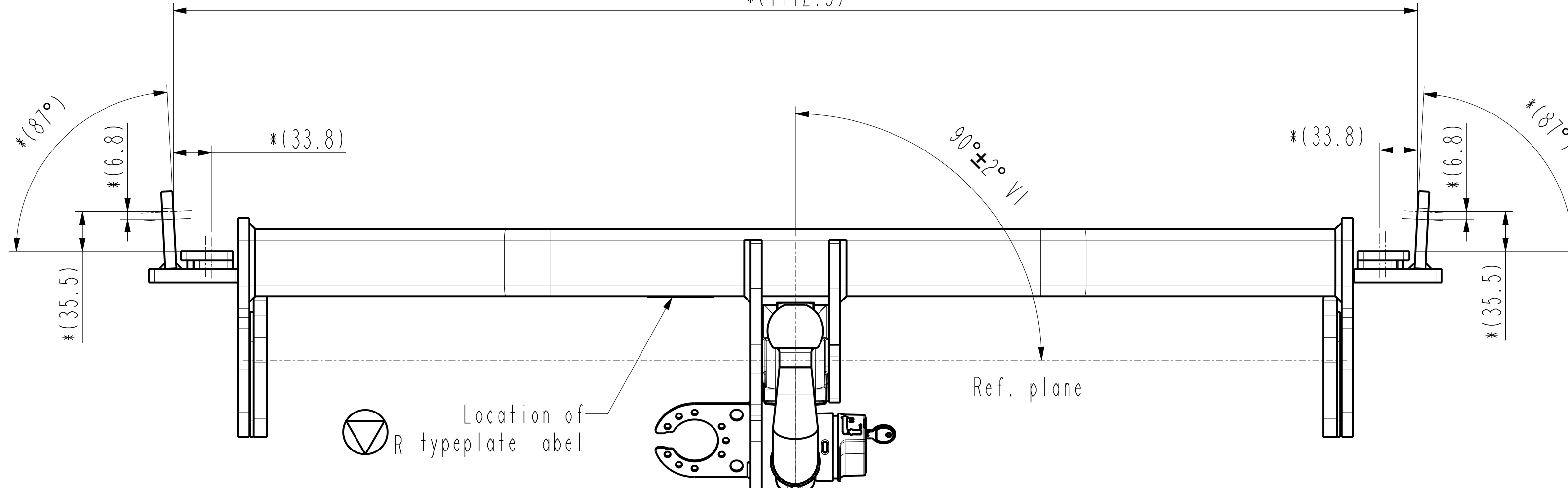
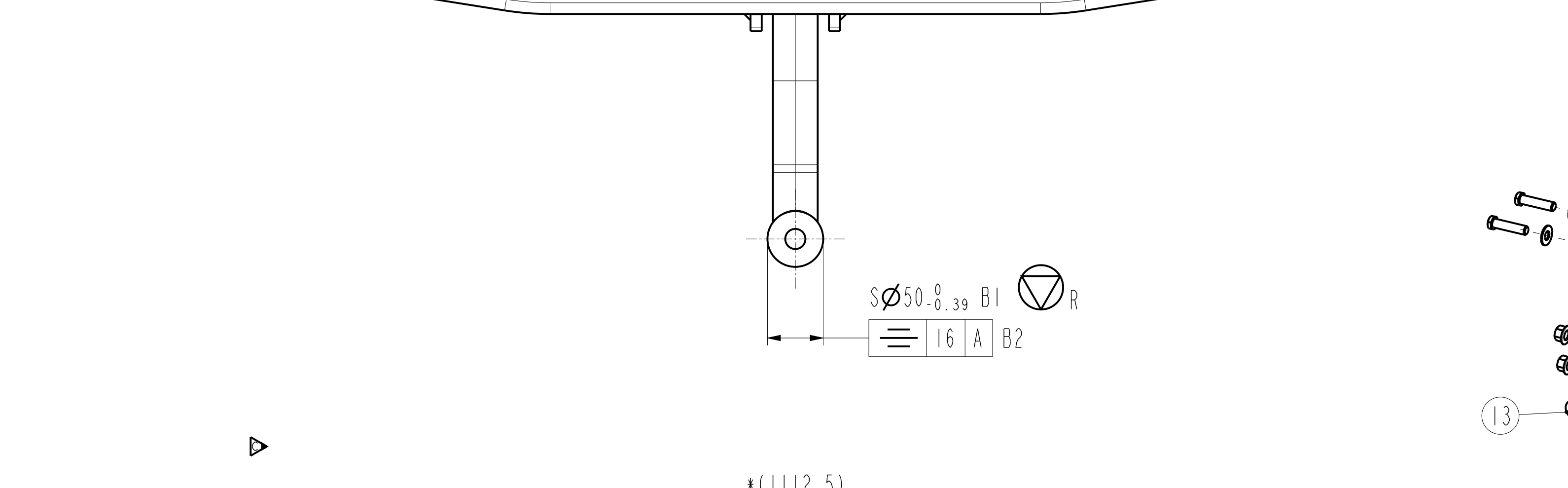
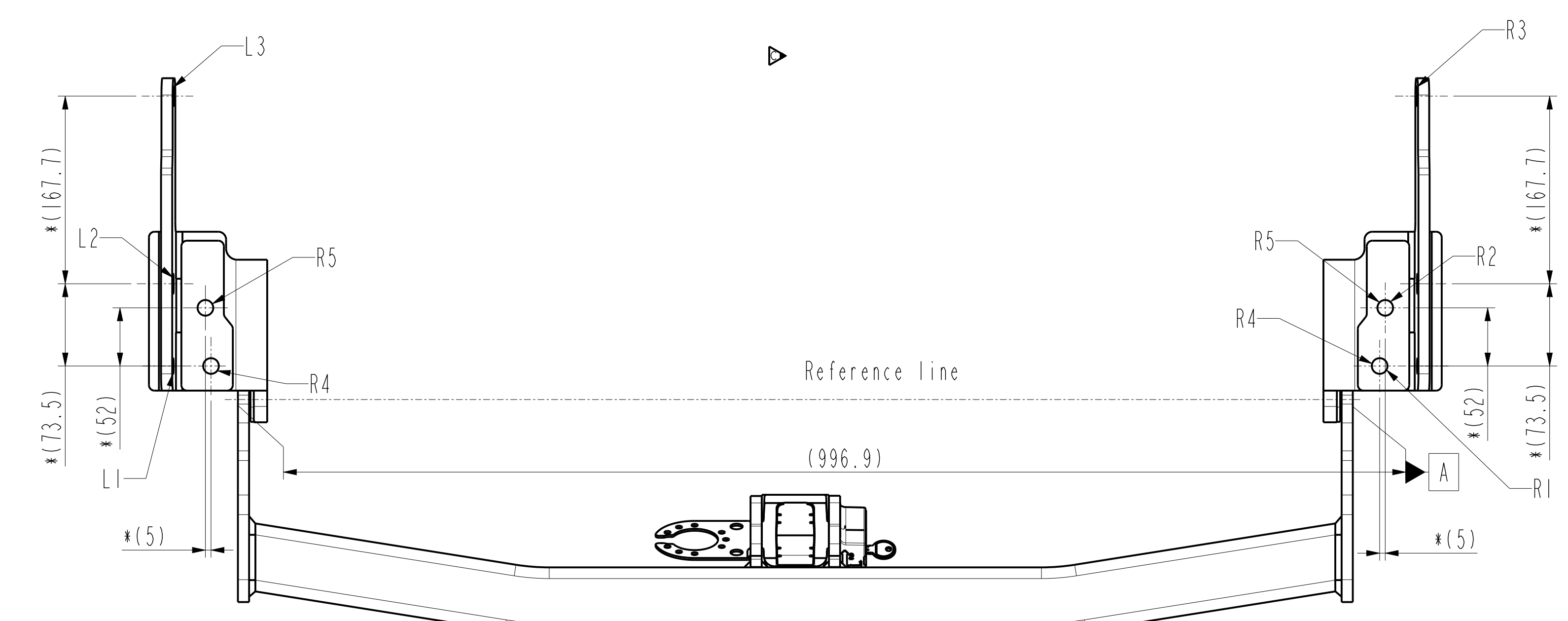
from

15-12-2021

from

Confirmation





Fixing points coordinates (mm):			
Point	X	Y	Z
R1	3323.0	556.3	235.7
R2	3249.5	556.3	235.7
R3	3081.8	555.9	228.9
R4	3323.0	522.5	200.2
R5	3271.0	527.5	200.2
L1	3323.0	-556.3	235.7
L2	3249.5	-556.3	235.7
L3	3081.8	-555.9	228.9
L4	3323.0	-522.5	200.2
L5	3271.0	-527.5	200.2
Ballcenter coordinates (mm):			
	3764	0	129

NISSAN

Type no. **6888** Art. No.

Serial No. **Ser. nr.**

Coupling class **A50-X**

Approval No. **E11 55R 0211925**

D-value **D 10.72 kN**

Vertical load **S 100 kg**

Part No. **KE500 - 6R510**

made by **BRINK**

Max. vehicle mass	2410kg
Max. towing capacity	2000kg
Vertical load	100kg
D-value	10,72kN
Approval number	55R-02 11925
R55 test	Euro

15	1	8575001	Typeplate(label)	-	POLYESTER	-	-	-
14	1	8077328	BALLCAP-NISSAN-	-	HDPE	-	-	-
13	4	9481009	WASHER_L	-	ST	M10	-	-
12	6	9430612	Selflocking flange nut	-	10	M12 - DIN6927	-	-
11	6	9412047	Bolt	-	10_9	M12x45 - DIN933	-	-
10	10	9420505	Bolt	-	8_8	M12x1,25x50 - DIN960	-	-
9	10	9484212	Contact-lock Washer	-	ST	M12	-	-
8	4	9420025	Flangebolt RIPP	-	100	M12x22	-	-
7	2	6887_17	Spacer Plate	-	DC01	Pl. 3mm - EN10131	-	-
6	2	6887_26	Spacer Plate	-	S420MC-BM	Pl. 8mm - EN 10051	-	-
5	2	6887_25	Spacer Plate	-	S420MC-BM	Pl. 8mm - EN 10051	-	-
4	1	6887_30	Weld-assy Side bracket LHS	-	-	-	-	-
3	1	6887_20	Weld-assy side bracket RHS	-	-	-	-	-
2	1	6888_10	Weld-assy Nissan P33A Detachable	-	-	-	-	-
1	1	60_6518_55	BMU system V5 6518	-	-	-	-	-
pos/qty		number	name	material	material dimension			
Tolerances unless otherwise specified		hole tolerance	created by: RT	material description: -				
			creation date: 11-02-2021	material dimension: -				
± 1 mm		JS14	mass: 30.061 kg	last changed by: Robert Koefler				
± 1			part nr.: -	last change date: 22-12-2021 11:16				
			approval date:	approved by:				
			PO Box 24, 1950 AA Slaphorst The Netherlands 7, rue Roi Tongay Zac les Naux 54550 Battery France 14 Old Field Road, Shortis Retreat Pietermaritzburg, KwaZulu Natal, South Africa	name				
			Brink Group	P33A-TOWBAR ASSY-REMOVABLE				
			scale	sheet				
size		third angle	3:10	1 of 1				
A1		units in mm	drawing number	release status				
			688805_01	In Work				
			08-Mar-22					

NOTES:
Materials used conform to NES M0301 (Substance Use Restrictions)
Design according to: 00-TF [500-145D] & E1130 NADSO [3]
Parts conform to NES M0302 (Reach compliance)
Meets ECE Regulation No. 55 Rev 2
Paint specification according to internal standards : BNI-006 type C03 (NL)
Design (including coating performance) must comply with Nissan Standard: Towbar RNADS_1
Weld spatter specification according to internal standards: Wi-LAS8-1(NL)

<> = Significant Characteristic
* = fittingpointmeasure
Character-figure combination on behalf of controlreport

S = Critical Characteristic
 R = Critical Characteristic

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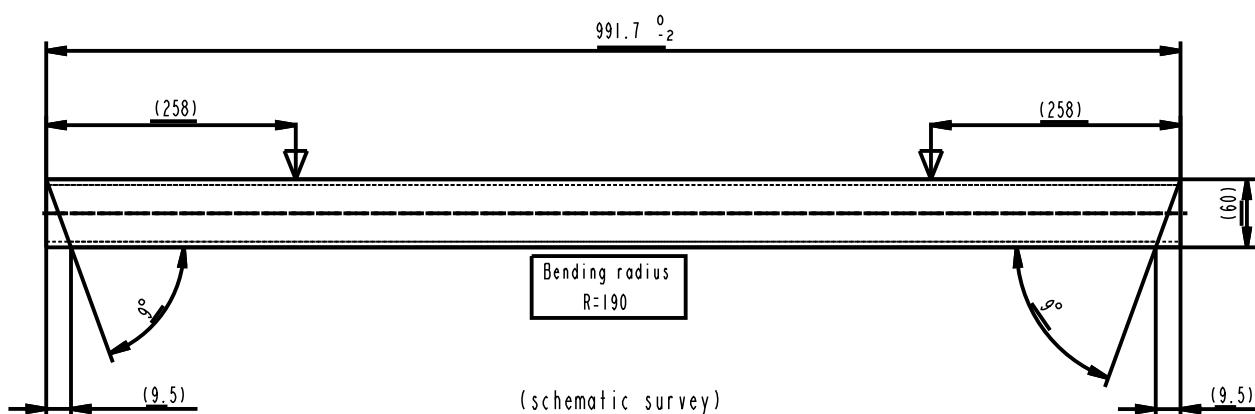
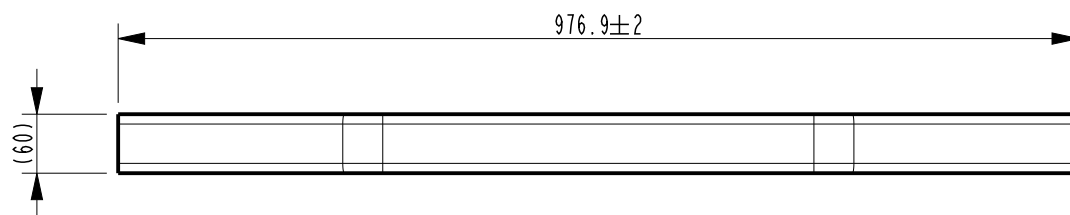
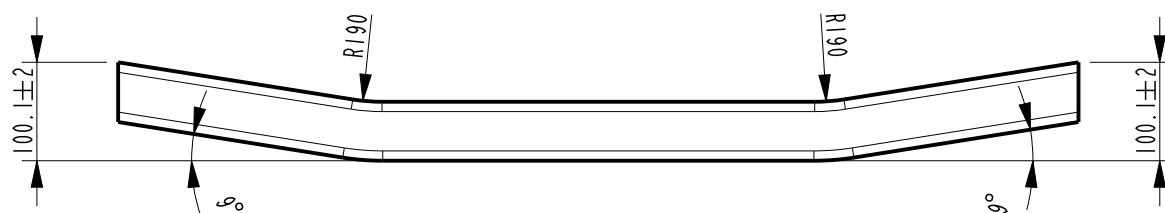
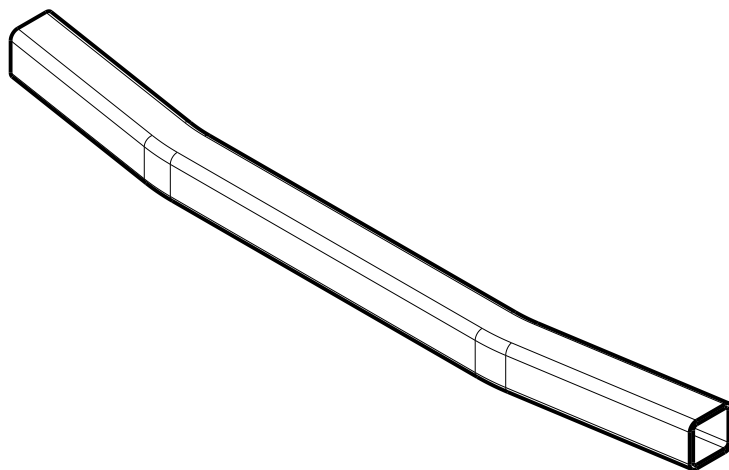
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B

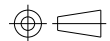
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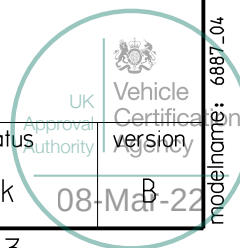
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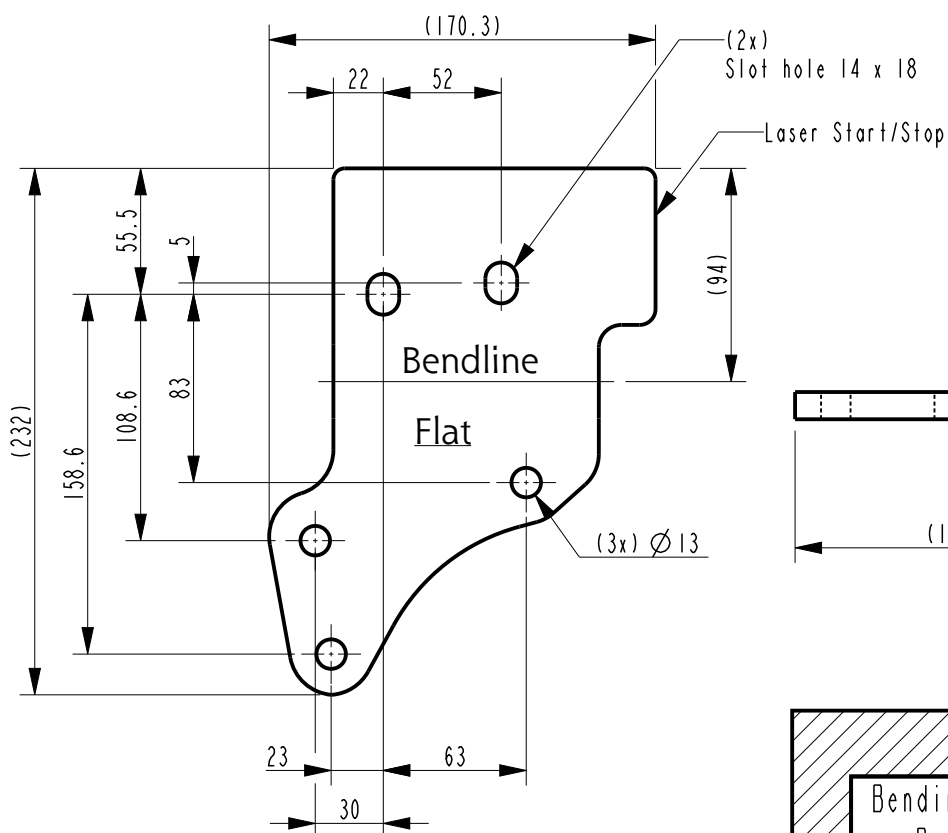
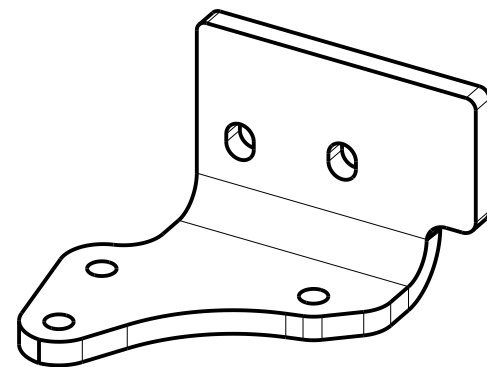
C

type: PART
modellname: 6887_04S
R = Critical Characteristic

Note: Part must be free of burrs

Tolerances unless other- wise specified ISO 2768-mK		hole tolerance -	created by: N Fokkinga		material description: S275J0H  EN 10219-1	
			creation date: 11-02-21		material dimension:  60x60x5mm  EN 10219-2	
			mass: 7.951 kg		last changed by: Robert Koetsier	
			part nr.: -		last change date: 21-12-2021 10:42	
			approval date:		approved by:	
			PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Betheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name Crosstube	
size A4	third angle  units in mm	scale 13:100	sheet 1 of 1	drawing number 6887_04	release status In Work	version B-2



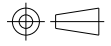


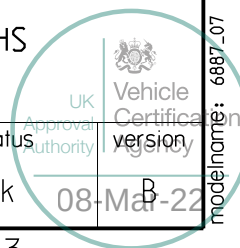
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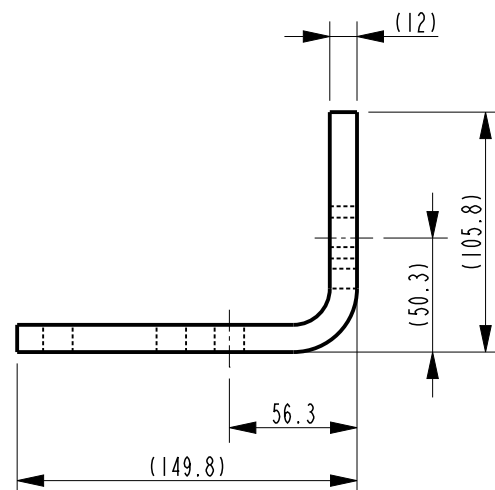
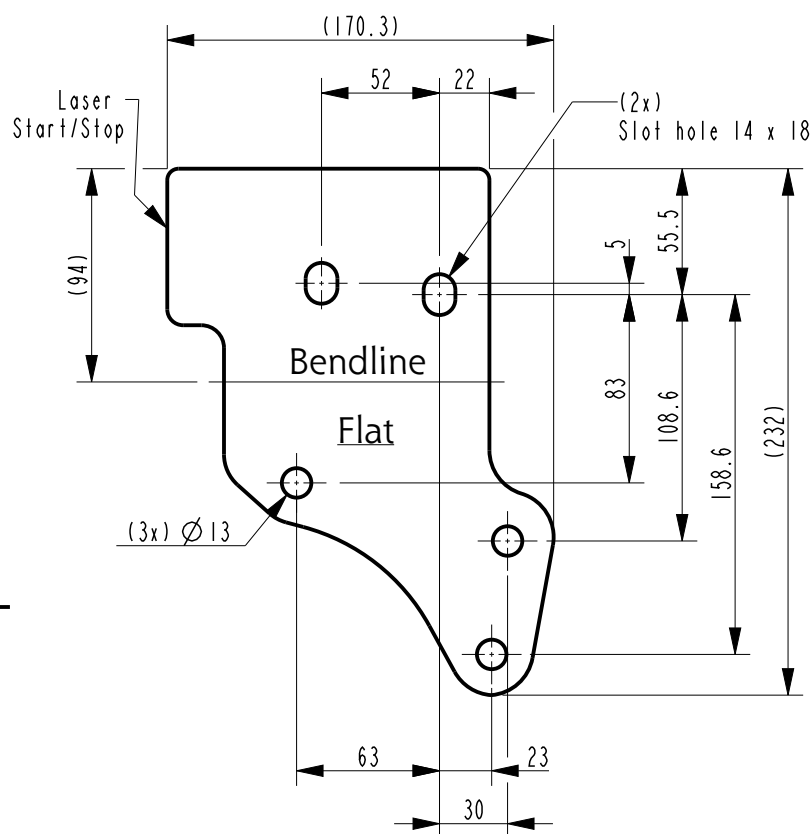
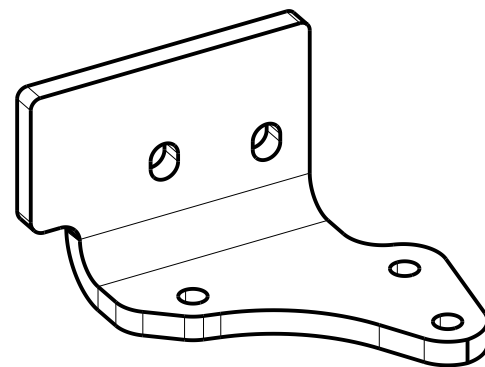


S = Critical Characteristic

Note: Part must be free of burrs

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		creation date:	11-02-21	material dimension:	PL. 12mm  EN10051
Linear: ISO 9013:2017 table 6 Angular: $\pm 1^\circ$		mass:	2.238 kg	last changed by:	Robert Koetsier
		part nr.:	 8720501	last change date:	21-12-2021 10:35
		approval date:		approved by:	
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Betheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name Side Plate RHS	
size A4	third angle  units in mm	scale 3:10	sheet 1 of 2	drawing number 6887_07	release status In Work





Bending radius $R=16 +2/0$
Bottom blade = 65

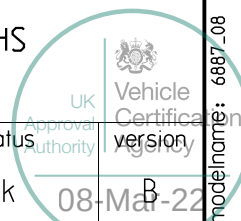
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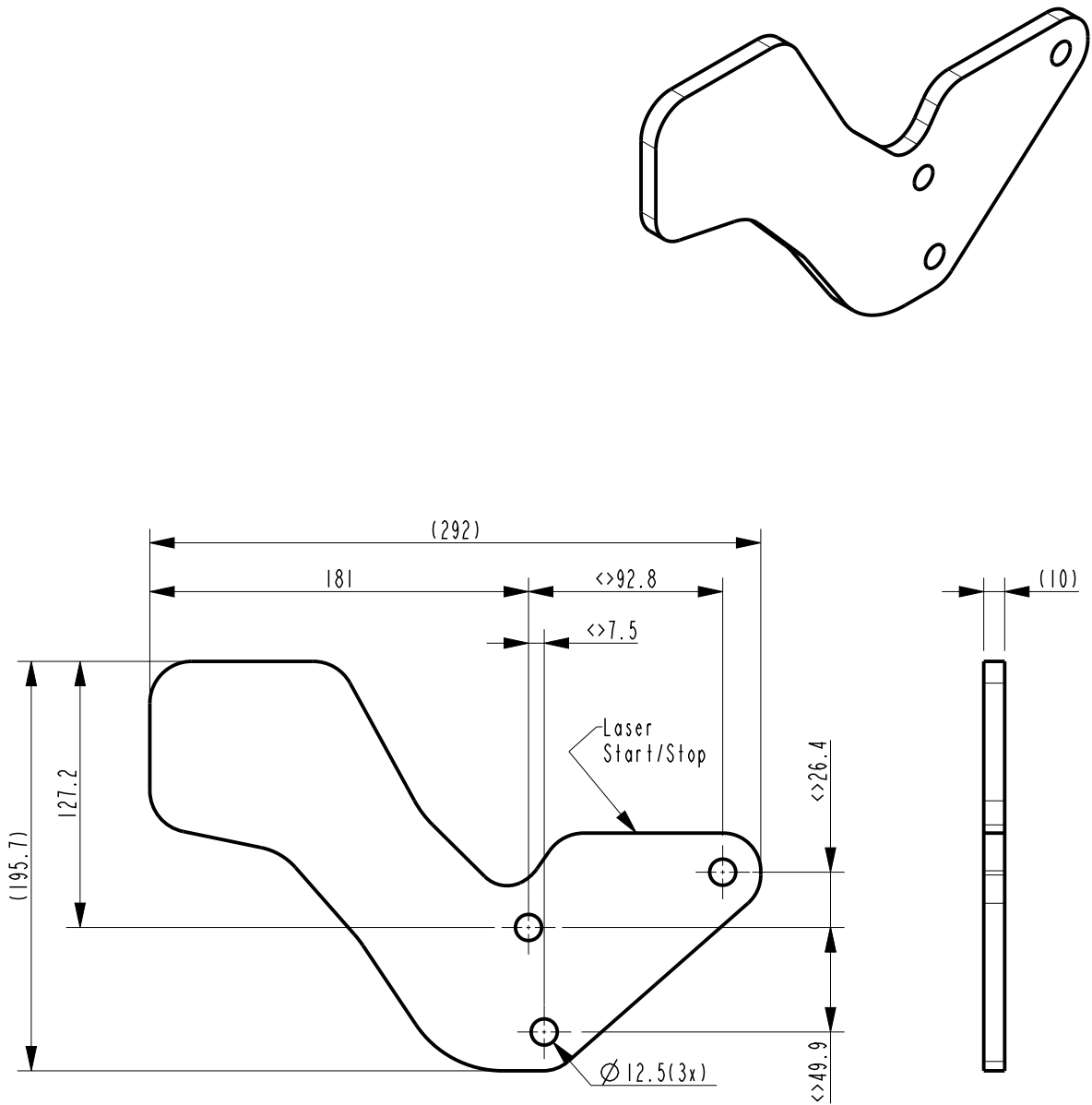


S = Critical Characteristic

Note: Part must be free of burrs

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		creation date:	11-02-21	material dimension:		PL. 12mm S EN10051
Linear: ISO 9013:2017 table 6 Angular: $\pm 1^\circ$		mass:	2.238 kg	last changed by:		Robert Koetsier
		part nr.:	B 8720501	last change date:		21-12-2021 10:37
		approval date:		approved by:		
Brink Group		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Betheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name		Side Plate LHS
size	third angle	scale	sheet	drawing number	release status	
A4	units in mm	3:10	1 of 1	6887_08	In Work	



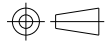


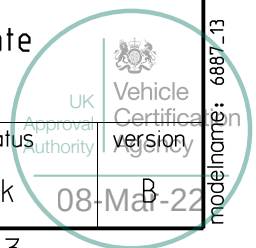
<> = Significant Characteristic



R = Critical Characteristic

Note: Part must be free of burrs

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		creation date:	11-02-21	material dimension:	PL. 10mm  EN 10051
		mass:	1.971 kg	last changed by:	Robert Koetsier
		part nr.:	8720247	last change date:	21-12-2021 15:23
		approval date:		approved by:	
		name Mounting Plate			
size A4	third angle  units in mm	scale 3:10	sheet 1 of 2	drawing number 6887_13	release status In Work



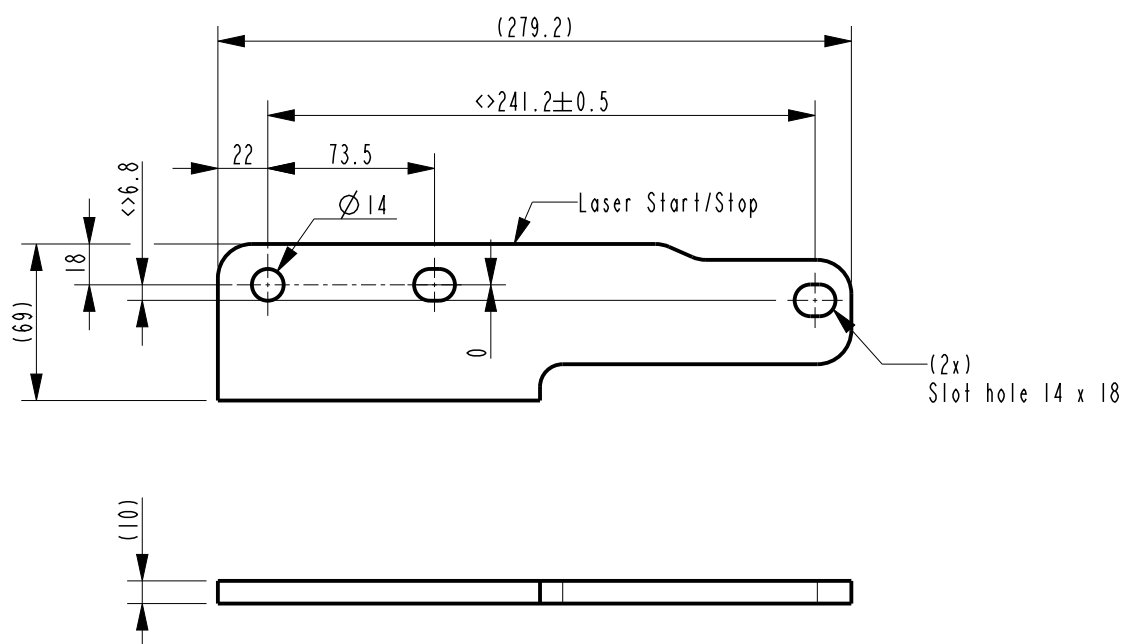
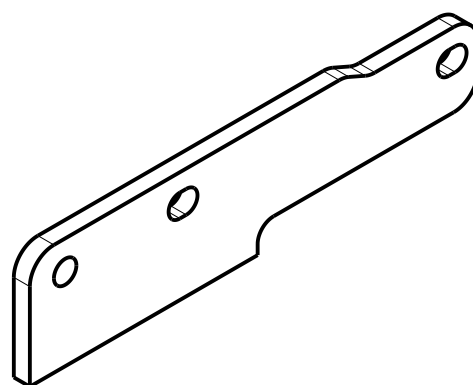
A

B

A

B

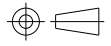
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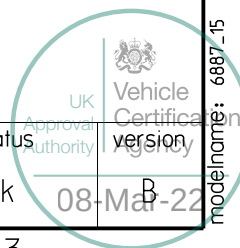


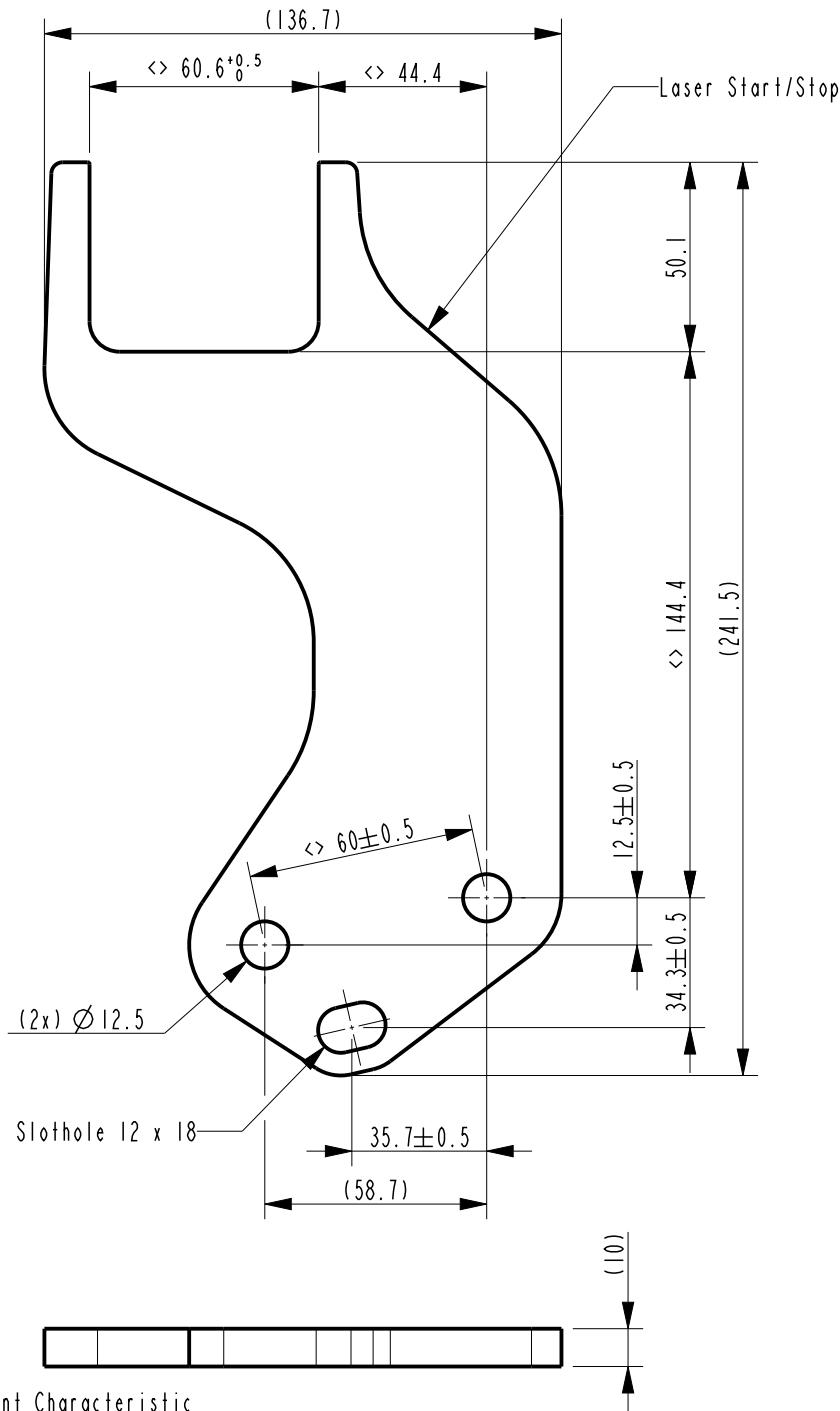
<> = Significant Characteristic

S_R = Critical Characteristic

Note: Part must be free of burrs

Tolerances unless otherwise specified: Linear: ISO 9013:2017 table 6 Angular: ± 1°		created by: BR		material description: S420MC-BM  EN 10149-2	
		creation date: 11-02-21		material dimension: PL. 10mm  EN 10051	
		mass: 1.238 kg		last changed by: Robert Koetsier	
		part nr.:  8720502		last change date: 21-12-2021 15:22	
		approval date:		approved by:	
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Roi Tanguy Zac les Naux 51450 Betheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name Sideplate	
size A4	third angle  units in mm	scale 3:10	sheet 1 of 2	drawing number 6887_15	release status In Work

type: PART
modelname: 6887_15

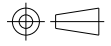


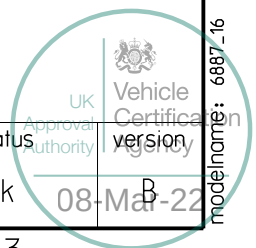
<> = Significant Characteristic



S = Critical Characteristic

Note: Part must be free of burrs

Tolerances unless otherwise specified: Linear: ISO 9013:2017 table 6 Angular: $\pm 1^\circ$		created by:	N Fokkinga	material description:	S420MC-BM  EN 10149-2
		creation date:	12-02-21	material dimension:	PL. 10mm  EN 10051
		mass:	1.293 kg	last changed by:	Robert Koetsier
		part nr.:	 8720529	last change date:	21-12-2021 16:26
		approval date:		approved by:	
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Betheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name Ballplate	
size A4	third angle  units in mm	scale 1:2	sheet 1 of 2	drawing number 6887_16	release status In Work



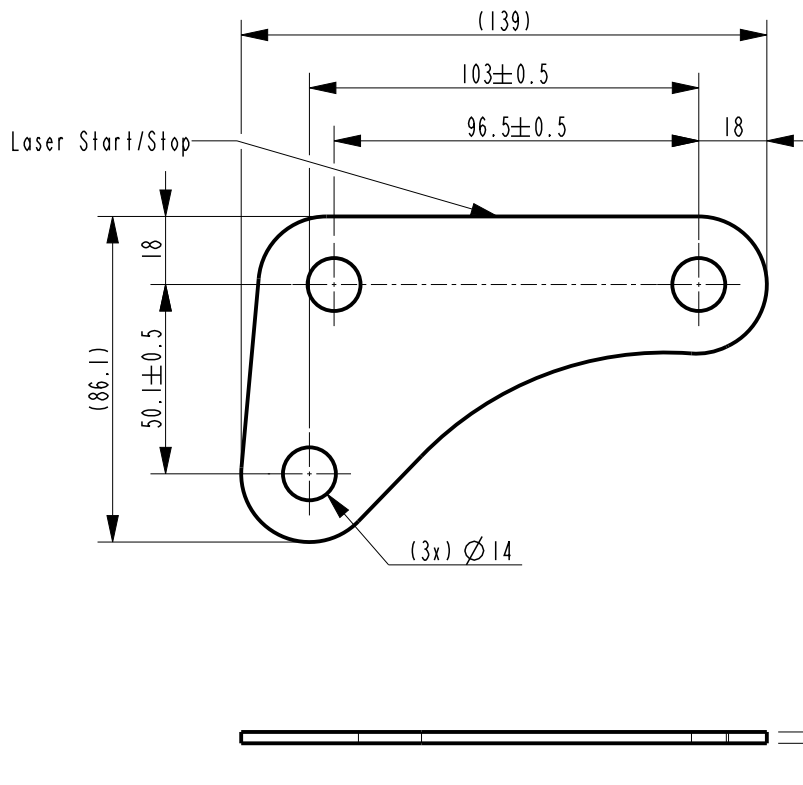
A

B

A

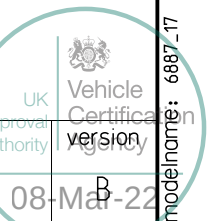
B

C



Note: Part must be free of burrs

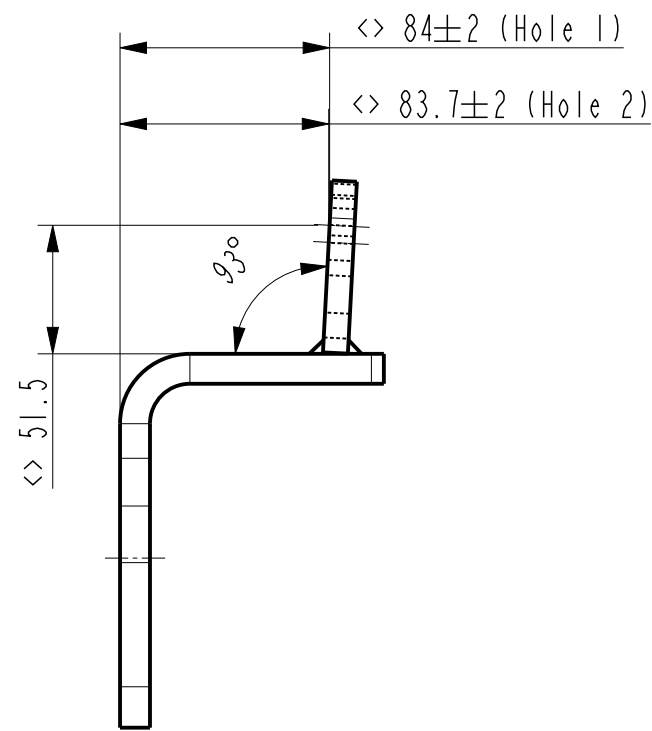
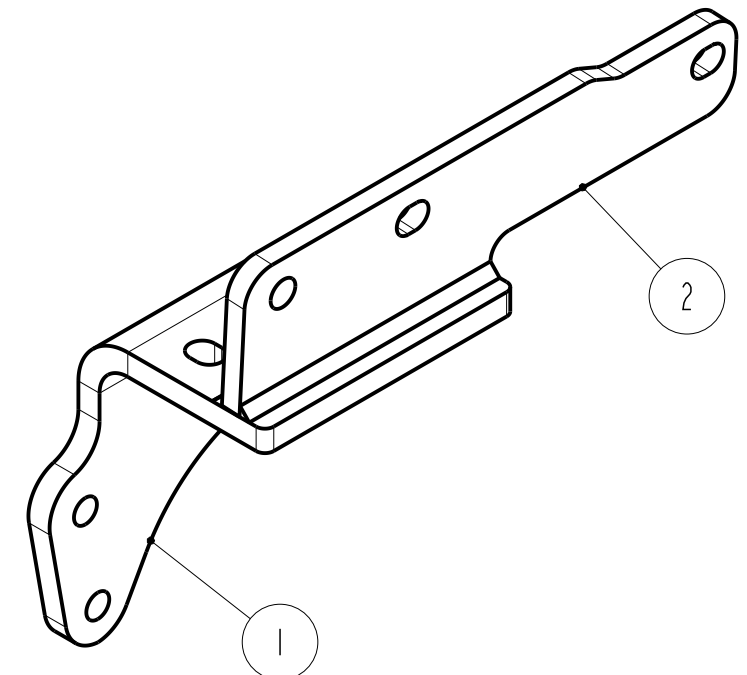
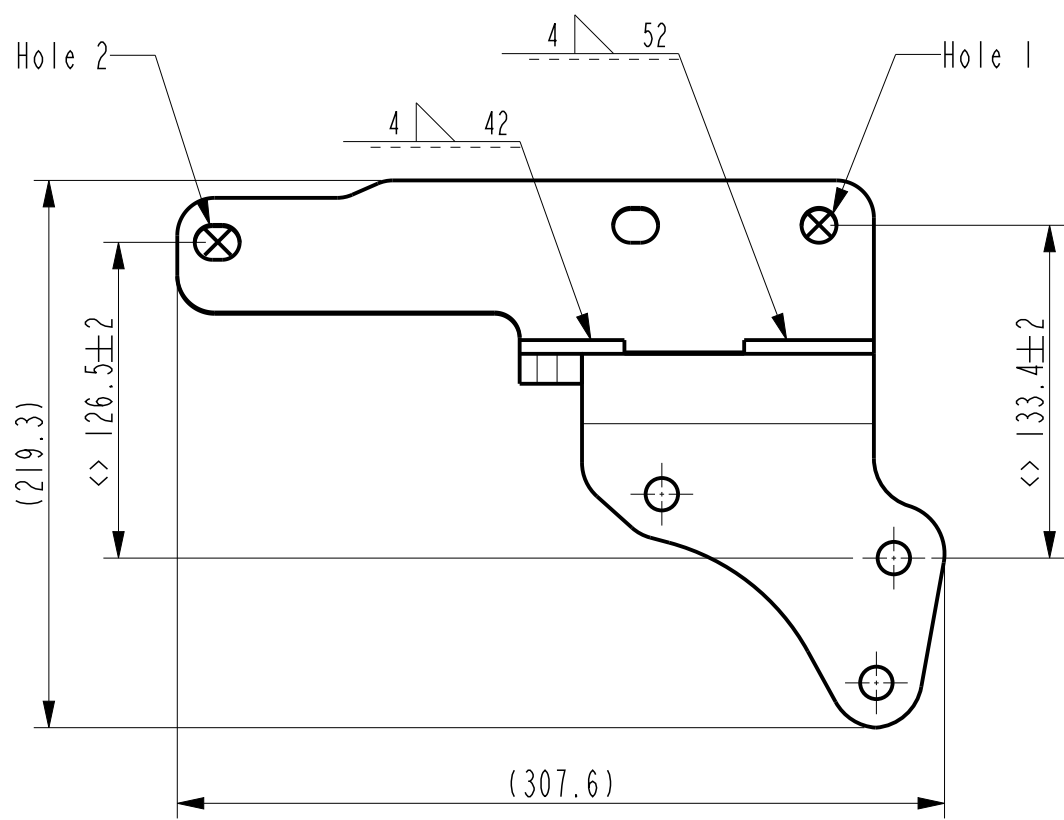
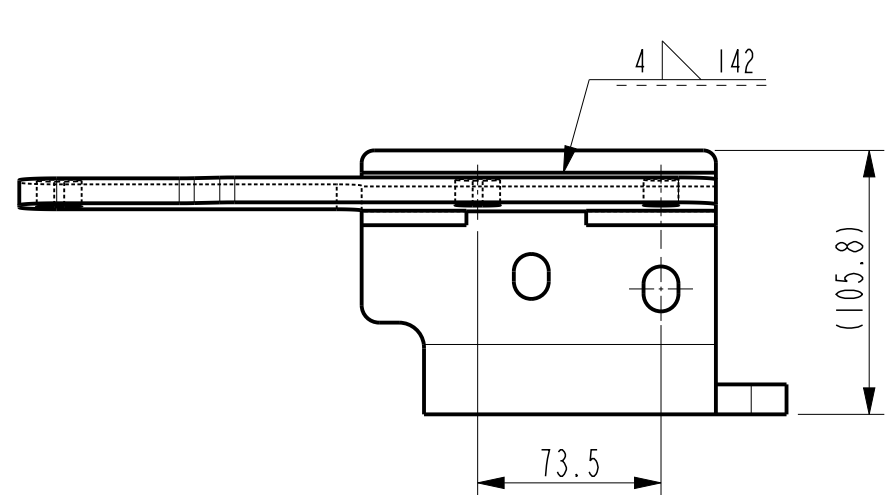
Tolerances unless otherwise specified: Linear: ISO 9013:2017 table 6 Angular: $\pm 1^\circ$		created by: BR		material description: DC01 EN10130	
		creation date: 18-02-21		material dimension: PL. 3mm EN10131	
		mass: 0.158 kg		last changed by: Robert Koetsier	
		part nr.: 8720265		last change date: 09-03-2021 09:49	
Brink Group		approval date:		approved by:	
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Betheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name Spacer Plate	
size A4	third angle units in mm	scale 1:2	sheet 1 of 2	drawing number 6887_17	release status In Work

type: PART
modelname: 6887_17

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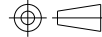
A

B



<> = Significant Characteristic

Welding standard: BN1-011
Weldingprocess: MAG
Weldingmaterial: EN 440-G2Si or G3Si1
Weldings without tolerance = +/- 5 mm

	2	1	6887_15	Sideplate	S420MC-BM	Pl. 10mm - EN 10051	
	1	1	6887_07	Side plate RHS	S420MC-BM	Pl. 12mm - EN10051	
pos		qty	number	name	material	material dimension	
Tolerances unless otherwise specified ± 1 mm ± 1 °		hole tolerance	created by: BR		material description: -		
			creation date: 11-02-21		material dimension: - -		
			mass: 3.504 kg		last changed by: Robert Koetsier		
			part nr.: -		last change date: 21-12-2021 10:55		
			approval date:		approved by:		
Brink Group			PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Betheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name		
			Weld-assy side bracket RHS				
size		third angle		scale		sheet	
A3		 units in mm		3:10		1 of 1	
				drawing number		release status	
				6887_20		In Work	
						version	
						B	
						08-Mar-22	

UK Vehicle Certification Authority

Approval Authority

08-Mar-22

type: ASSEW
Model name: 6887_20

type: ASSEM
model name: 6887_20
version: B
date: 08-Mar-22

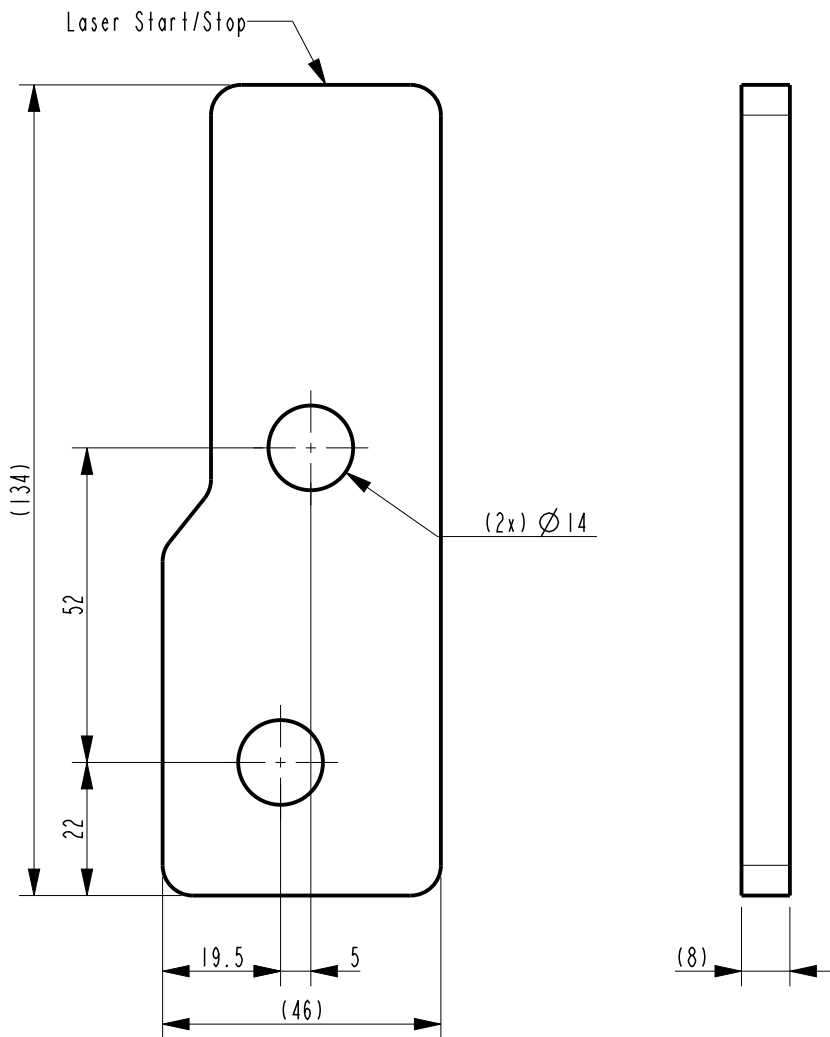
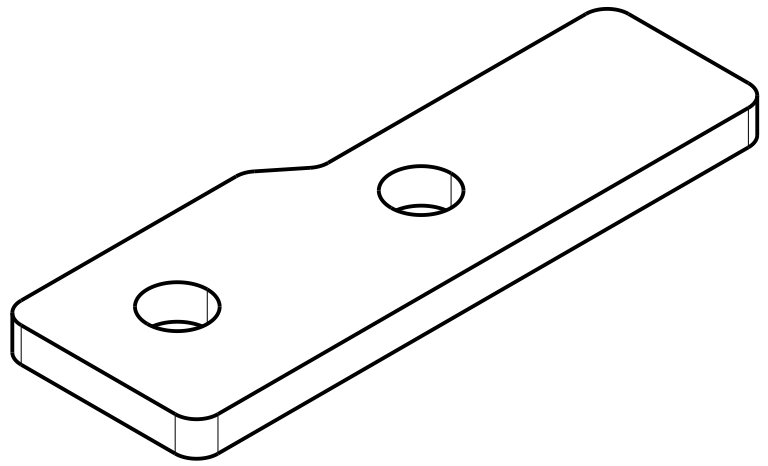
A

B

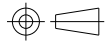
A

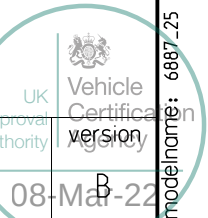
B

C

type: PART
modelname: 6887_25

Note: Part must be free of burrs

Tolerances unless otherwise specified: Linear: ISO 9013:2017 table 6 Angular: $\pm 1^\circ$		created by: N Fokkinga		material description: S420MC-BM EN 10149-2	
		creation date: 12-02-21		material dimension: PL. 8mm EN 10051	
		mass: 0.329 kg		last changed by: Brijesh Raiyani	
		part nr.:  8720503		last change date: 23-Jun-21 06:23:25 PM	
		approval date:		approved by:	
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Betheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name Spacer Plate	
size A4	third angle  units in mm	scale 4:5	sheet 1 of 2	drawing number 6887_25	release status In Work



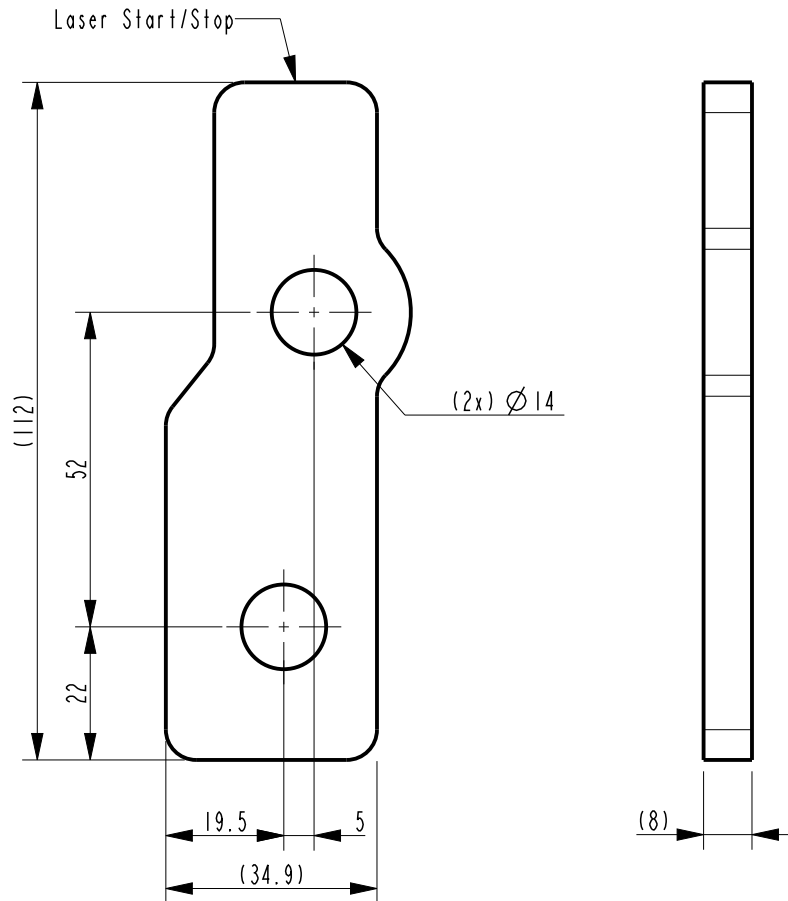
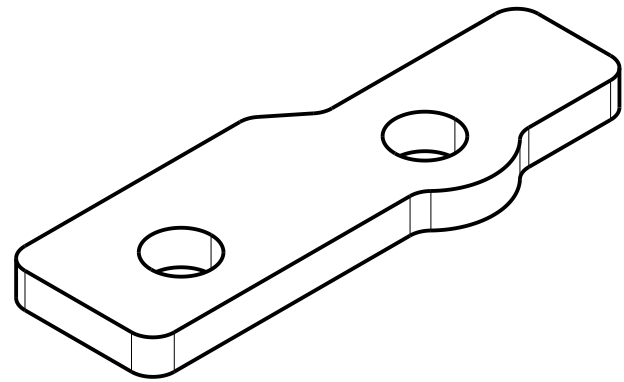
A

B

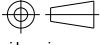
A

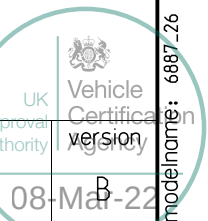
B

C



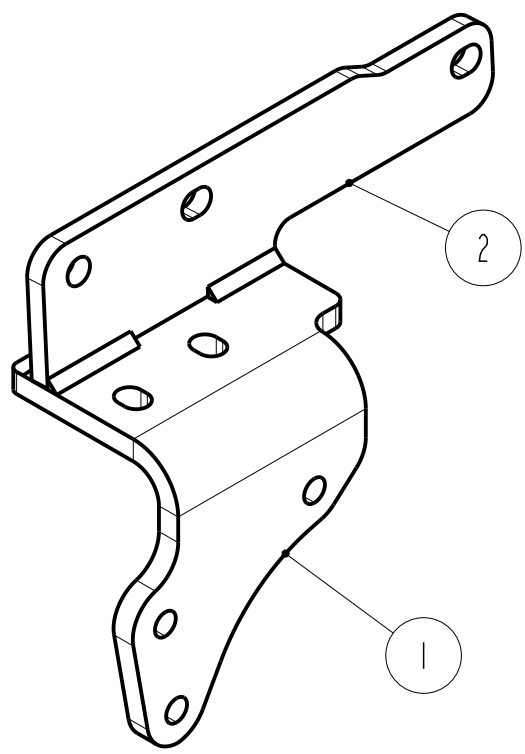
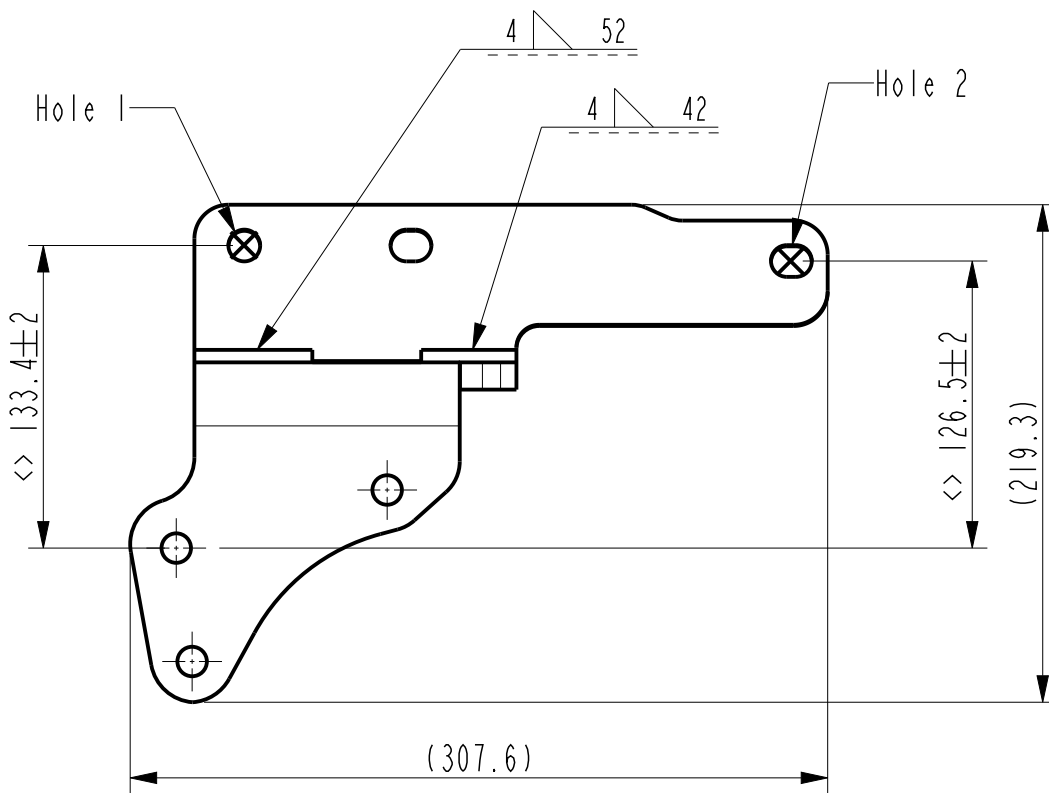
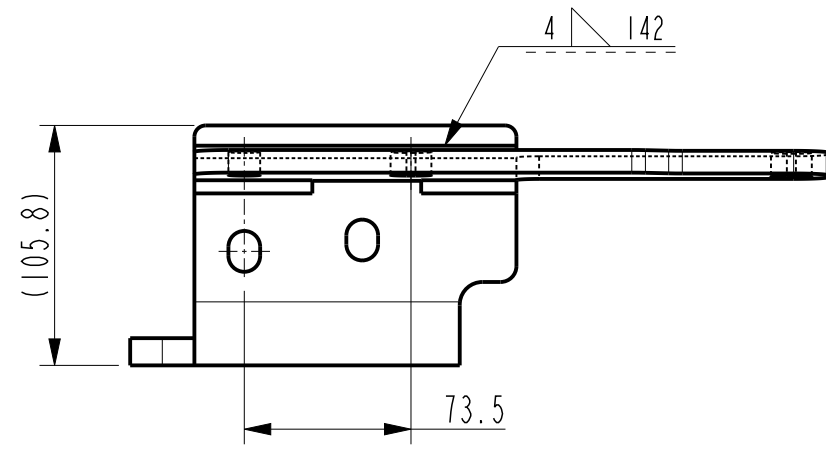
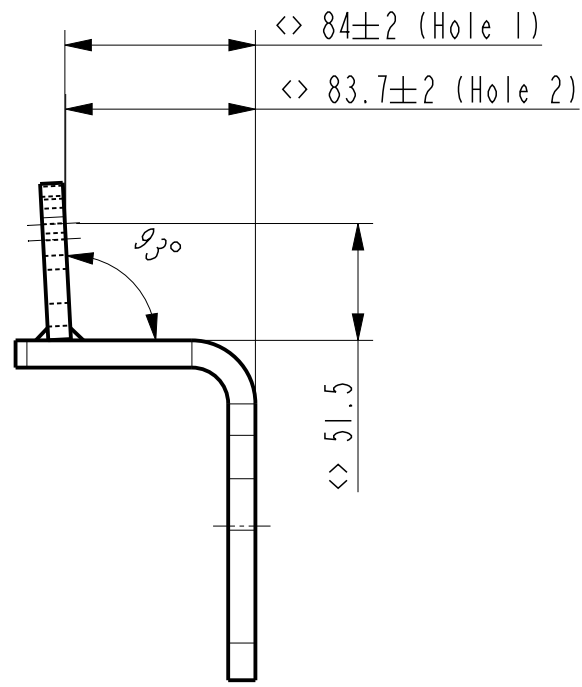
Note: Part must be free of burrs

Tolerances unless otherwise specified: Linear: ISO 9013:2017 table 6 Angular: $\pm 1^\circ$		created by: N Fokkinga		material description: S420MC-BM EN 10149-2	
		creation date: 12-02-21		material dimension: Pl. 8mm EN 10051	
		mass: 0.204 kg		last changed by: Brijesh Raiyani	
		part nr.:  8720504		last change date: 23-Jun-21 06:26:06 PM	
		approval date:		approved by:	
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Roi Tanguy Zac les Naux 51450 Belheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name Spacer Plate	
size A4	third angle  units in mm	scale 4:5	sheet 1 of 2	drawing number 6887_26	release status In Work

type: PART
modelname: 6887_26

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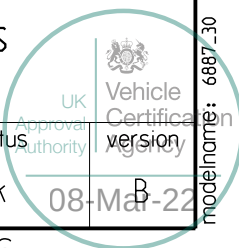
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<> = Significant Characteristic

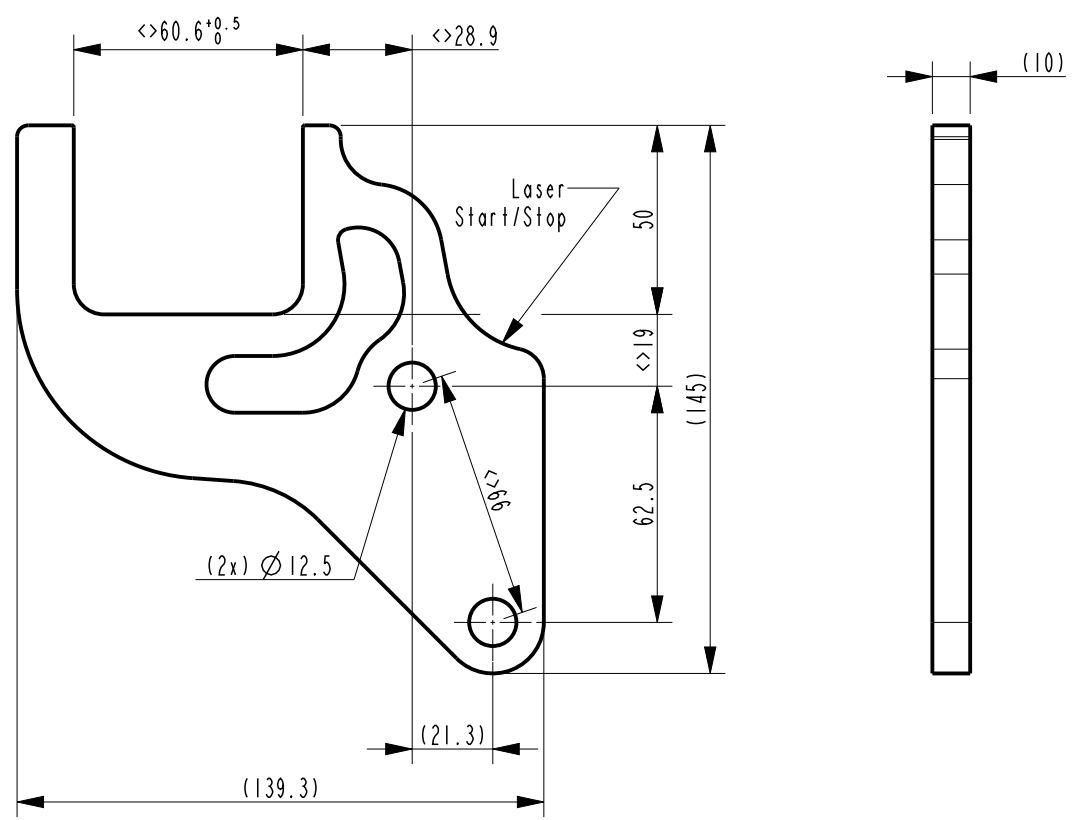
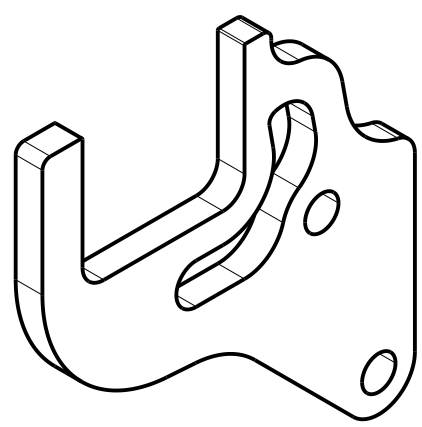
Welding standard: BN1-011
Weldingprocess: MAG
Weldingmaterial: EN 440-G2Si or G3Si1
Weldings without tolerance = +/- 5 mm

▶	2	1	6887_15	Sideplate	S420MC-BM	Pl. 10mm - EN 10051
	1	1	6887_08	Side plate LHS	S420MC-BM	Pl. 12mm - EN10051
	pos	qty	number	name	material	material dimension
	Tolerances unless other-wise specified ± 1 mm ± 1 mm		hole tolerance JS14	created by:	BR	material description: -
				creation date:	22-02-21	material dimension: -
				mass:	3.504 kg	last changed by: Robert Koetsier
				part nr.:	-	last change date: 21-12-2021 10:56
				approval date:		approved by:
	Brink Group		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Betheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		Side Arm LHS	
	size	third angle		scale	sheet	drawing number
	A3			3:10	1 of 1	6887_30
	units in mm					release status
						In Work



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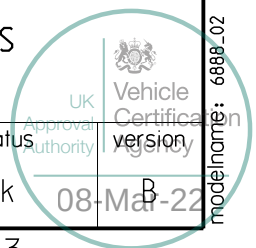


<> = Significant Characteristic

^S_R = Critical Characteristic

Note: Part must be free of burrs

Tolerances unless otherwise specified: Linear: ISO 9013:2017 table 6 Angular: ± 1°		created by: BR		material description: S420MC-BM EN 10149-2	
		creation date: 12-02-21		material dimension: PL. 10mm EN 10051	
		mass: 0.668 kg		last changed by: Robert Koetsier	
		part nr.: 8720436		last change date: 21-12-2021 15:47	
		approval date:		approved by:	
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Betheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name Ballplate RHS	
size A4	third angle units in mm	scale 1:2	sheet 1 of 2	drawing number 6888_02	release status In Work



type: PART
modelname: 6888_02

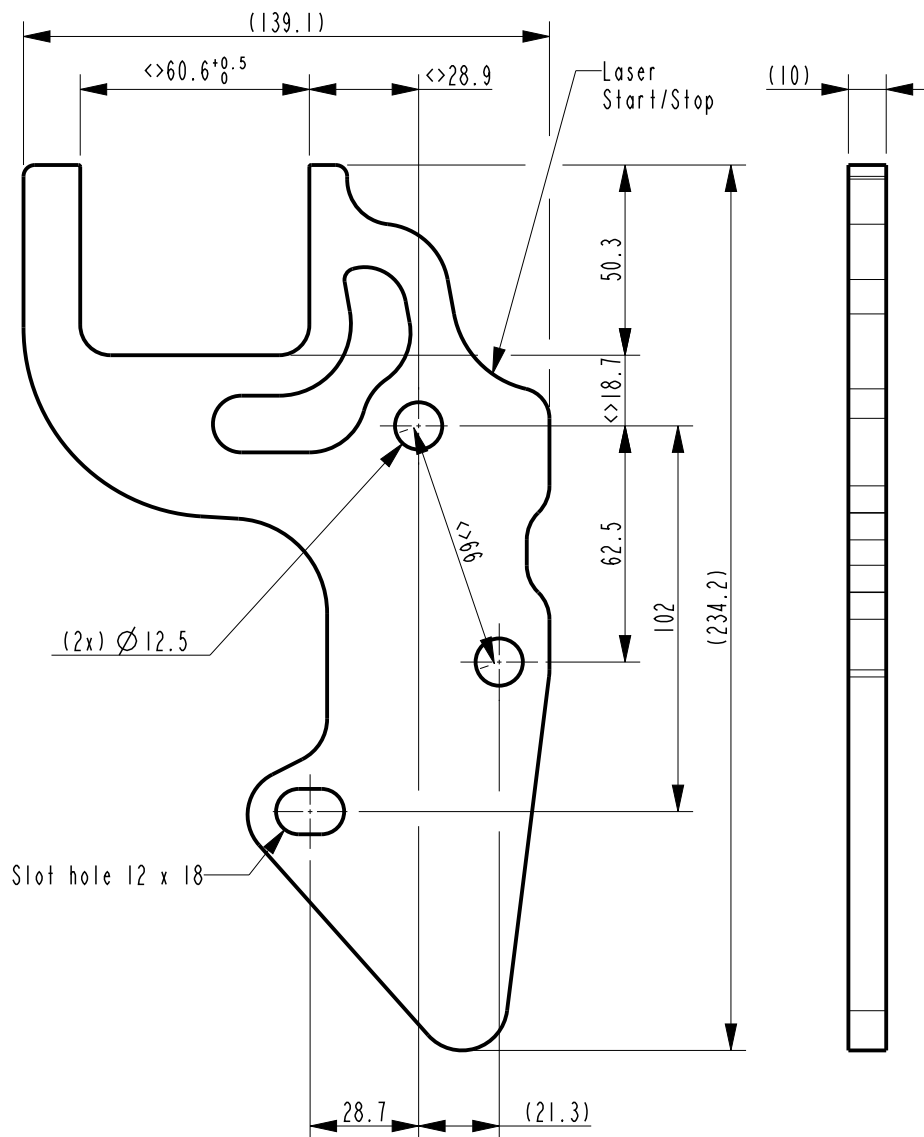
A

B

A

B

C

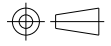


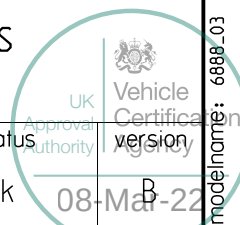
SCALE 3:10

<> = Significant Characteristic

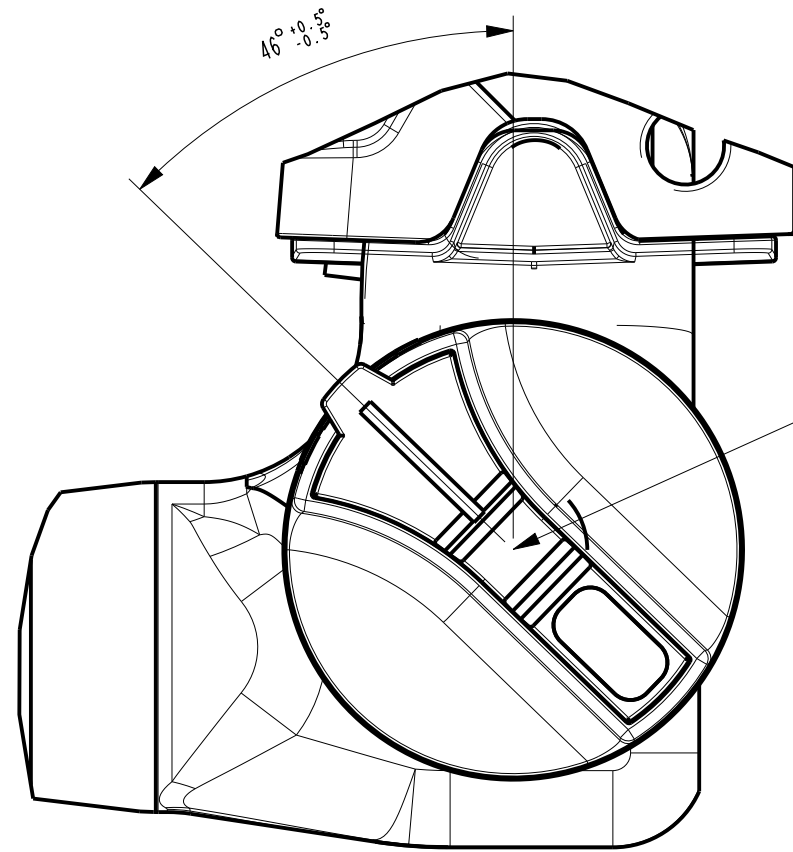
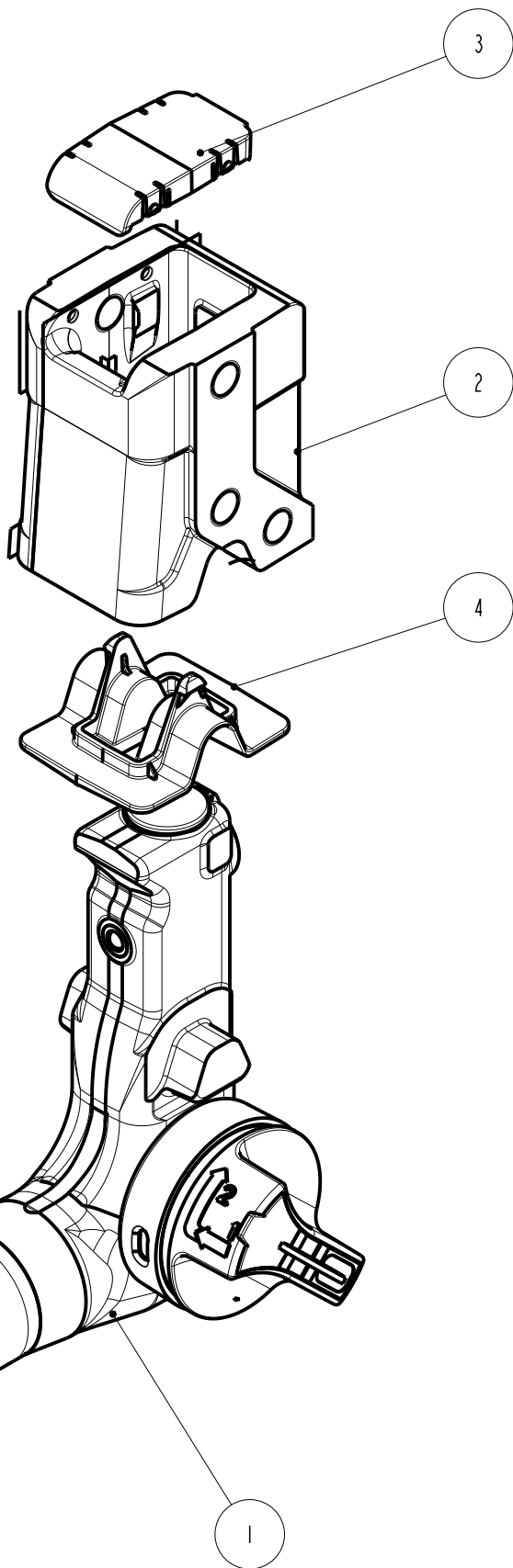
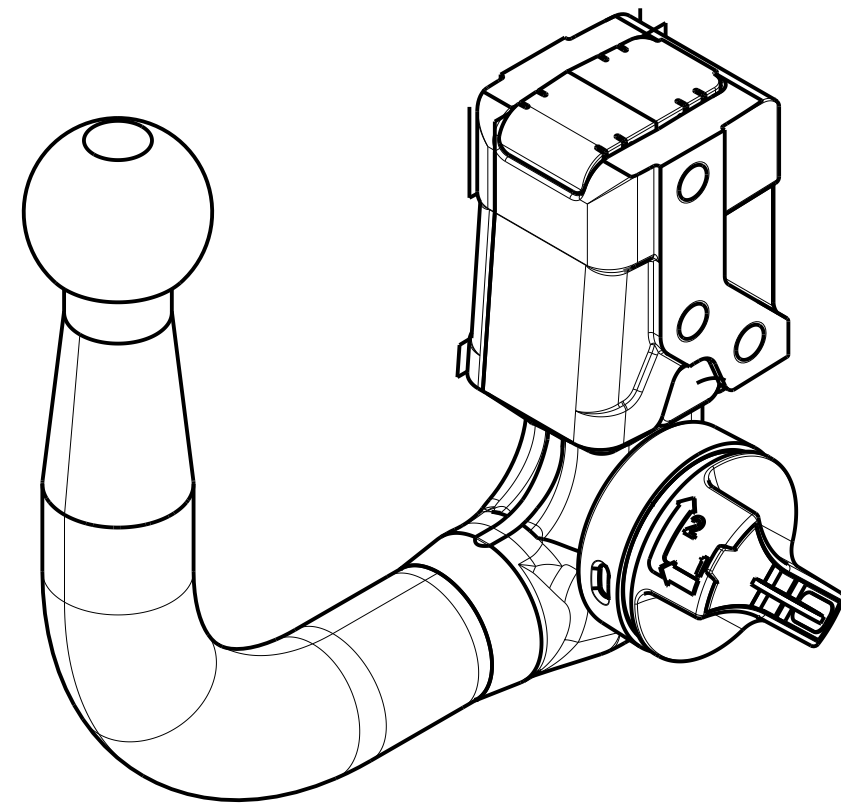
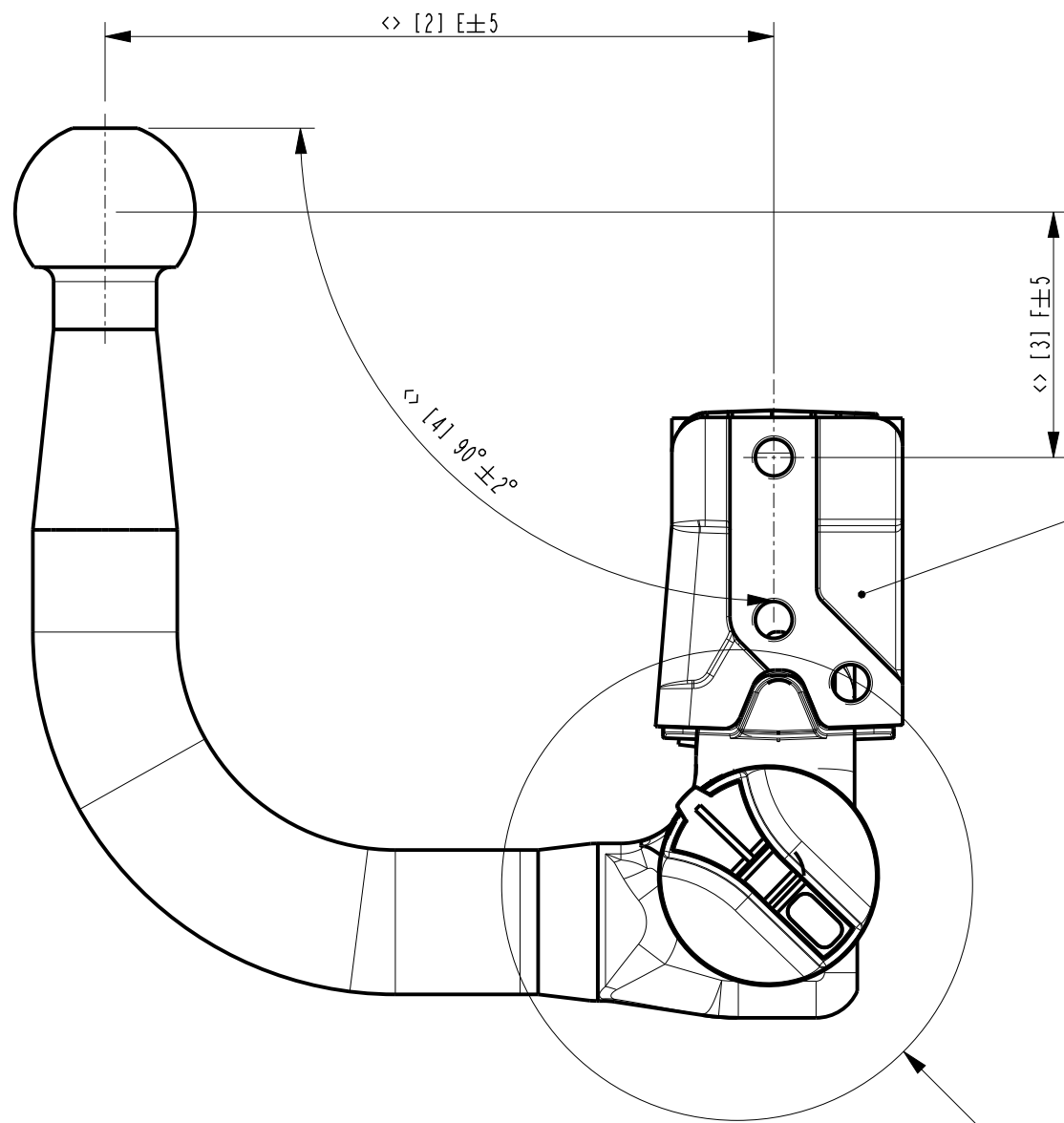
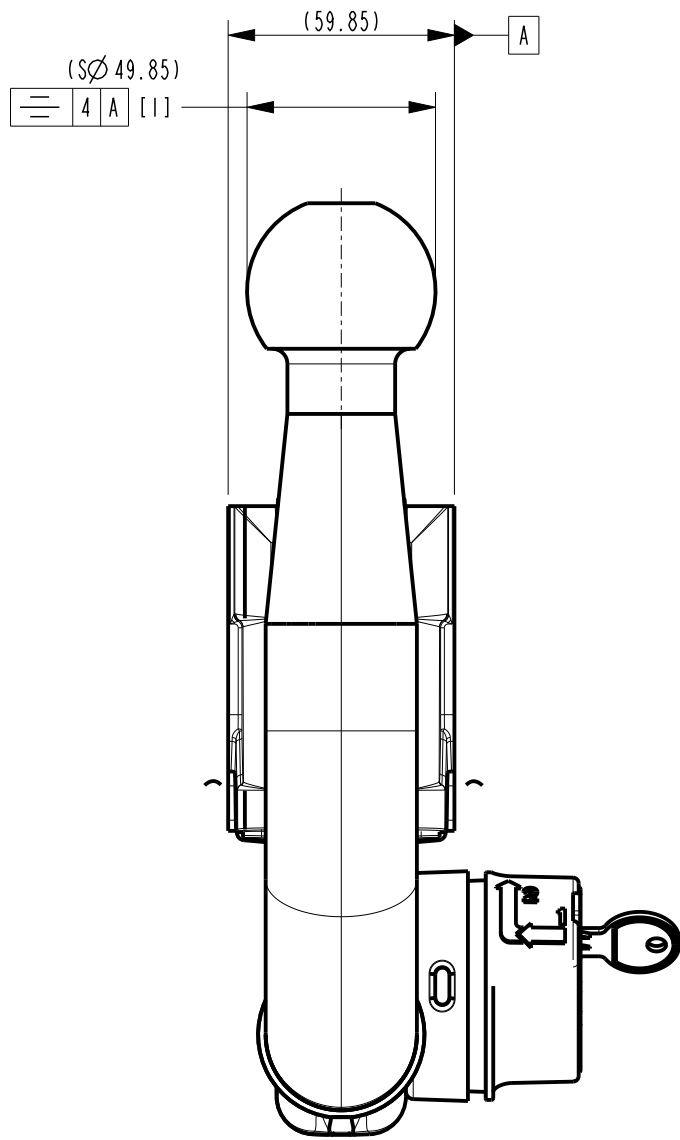
S_R = Critical Characteristic

Note: Part must be free of burrs

Tolerances unless otherwise specified: Linear: ISO 9013:2017 table 6 Angular: ± 1°		created by: BR		material description: S420MC-BM  EN 10149-2	
		creation date: 12-02-21		material dimension: PL. 10mm  EN 10051	
		mass: 1.074 kg		last changed by: Robert Koetsier	
		part nr.: 8720510		last change date: 21-12-2021 15:47	
		approval date:		approved by:	
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Betheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name Ballplate LHS	
size A4	third angle  units in mm	scale 1:2	sheet 1 of 2	drawing number 6888_03	release status In Work

type: PART
modelname: 6888_03

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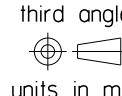
Housing according to
order specification

SEE DETAIL A

Knob angle measured in normal position
Limits (>...<...)

BMU SYSTEM 1 BEND			
# SYSTEM	E	F	MASS [kg]
60_6500_55	185.20	68.00	6.18
60_6501_55	210.20	68.00	6.43
60_6503_55	190.20	48.00	6.12
60_6506_55	170.20	28.00	5.64
60_6507_55	210.20	28.00	6.04
60_6509_55	250.20	28.00	6.43
60_6510_55	290.20	28.00	6.82
60_6511_55	190.20	8.00	5.73
60_6512_55	200.20	53.00	6.18
60_6513_55	230.20	8.00	6.12
60_6514_55	270.20	8.00	6.43
60_6515_55	170.20	-12.00	5.34
60_6516_55	210.20	-12.00	5.73
60_6517_55	250.20	-12.00	6.12
60_6518_55	290.20	-12.00	6.51
60_6519_55	190.20	-32.00	5.34
60_6520_55	230.20	-32.00	5.73
60_6521_55	270.20	-32.00	6.12
60_6522_55	200.20	77.00	6.42
60_6523_55	190.20	-12.00	5.53
60_6524_55	230.20	-2.00	6.02
60_6527_55	170.20	48.00	5.92
60_6531_55	171.70	8.00	5.57
60_6533_55	210.00	52.50	6.36
60_6540_55	200.00	-56.89	5.19
60_6541_55	190.00	-56.89	5.07
60_6542_55	240.00	-56.89	5.56
60_6543_55	300.00	-40.50	6.36
60_6546_55	210.00	-32.00	5.53
60_6550_55	195.20	68.00	6.28
	185.20	68.00	

BMU SYSTEM 2 BEND			
# SYSTEM	E	F	MASS [kg]
60_6502_55	235.20	68.00	6.49
60_6504_55	230.20	48.00	6.26
60_6508_55	270.20	48.00	6.50
	235.20	68.00	

4	1	67_007_003	Cover front V4	18.00	PA_6	---
3	1	67_004_004	Cover rear	8.00	PA_66	---
2	1	67_007_015	Housing V4	8.00	EN-GJS-500-7	--
1	1	60_6500_50	65XX BMU ball assy V5			---
pos	qty	number	name		material	material dimension
Tolerances unless other- wise specified	hole tolerance	created by: RJH		material description: -		
		creation date: 08-01-19		material dimension: -		
		mass: kg		last changed by: Ruurd Huizenga		
		part nr.: -		last change date: 13-11-2019 10:37		
Brink Group PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 54450 Belthery France 14 Old Field Road, Shortis Retreat Pietermaritzburg, KwaZulu Natal, South Africa			name			
			BMU system 65xx			
size	third angle	scale	sheet	drawing number	release status	version
A2	 units in mm	1:2	1 of 1	60_65XX_55	Released	08-Mar-22

UK Vehicle Certification Authority



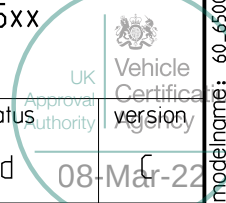
Vehicle Certification Authority

Approved for release

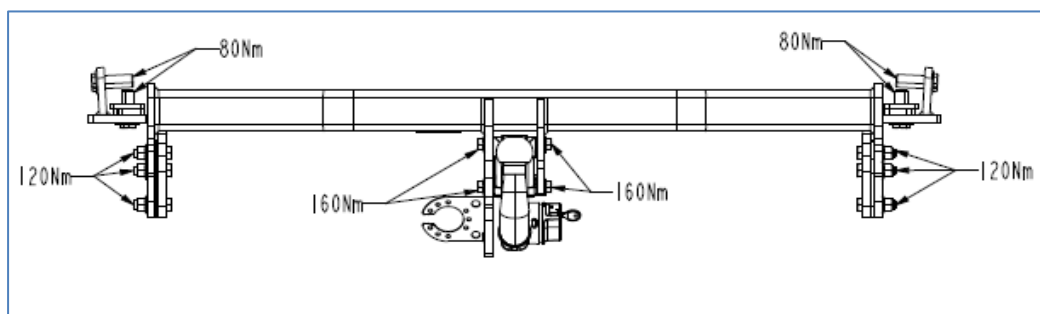
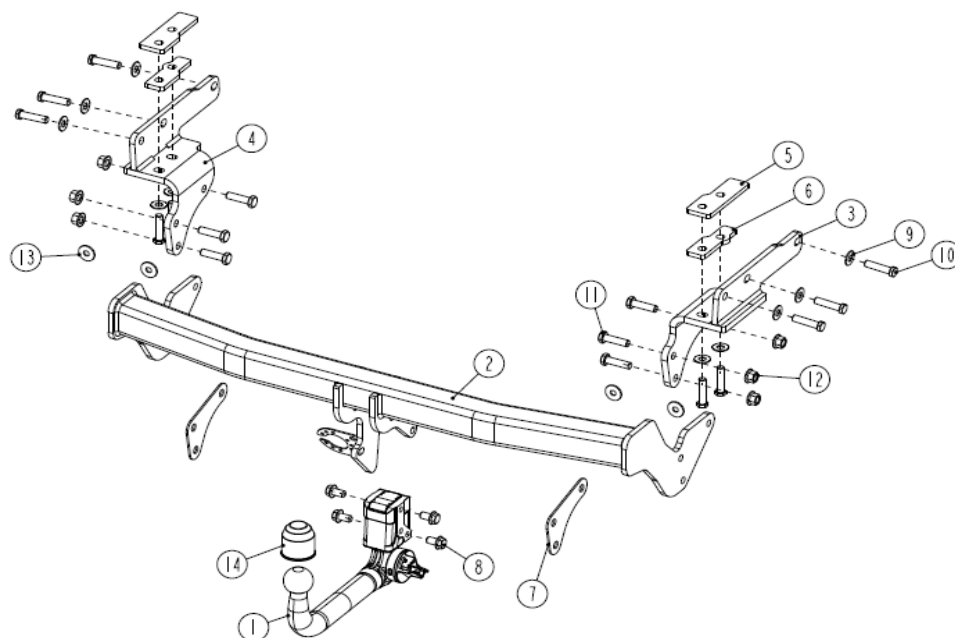
08-Mar-22

Model name: 60_6500_55 Type: AS35M

ASSEM Type: 60_6500_55



Type: **6888**
 GVW: **2535 kg**
 GTW: **2000 kg**
 D-value: **10,72 kN**
 S-value: **100 kg**
 Approval No: **E11 55R - 02 11925**
 Coupling Class: **A50-X**



Installation:

1. Remove the bumper and crashbeam (if applicable)
2. Fit the towbar according to diagram
3. Fit the bumper to the vehicle
4. Mount the ball on the towbar

Prüfbericht Test report

Nr. / No.: 22-00016-CX-GBM-00

Prüfung eines Bauteiltyps
in Bezug auf die Richtlinie / Verordnung (EG/EU) / Regelung Nr. **ECE-R55**
in der Fassung der Änderung Nr. **02, Ergänzung 01**
Genehmigungsgegenstand: **Mechanische Verbindungseinrichtungen**

*Test of a component type
with regard to Directive / Regulation (EC/EU) / Regulation No. **ECE-R55**
taking into consideration amendment No. **02, supplement 01**
Approval subject: **Mechanical coupling components***

Genehmigungsstand / Approval status		
☒	Erteilung einer Typgenehmigung <i>Granting of a type approval</i>	E11*55R02/01*11925*00
☐	Nachtrag/Änderung zur Typgenehmigung Nr. -- <i>Extension/correction to type approval no.</i>	

Gründe des Nachtrags / Reasons for extension

- entfällt
- Not applicable

0. **Allgemeine Angaben**
General

- 0.1. Fabrikmarke : BRINK
(Firmenname des Herstellers)
Make (trade name of manufacturer)
- 0.2. Typ und Bauart der : 6888
Verbindungseinrichtung nicht genormte Kupplungskugel 50, *abnehmbar*
Type of the coupling device Non-standard coupling ball 50, detachable
- 0.3. Klasse der Verbindungseinrichtung : A50-X
Class of the coupling device
- 0.4. Name und Anschrift des : Brink Towing Systems B.V.
Herstellers Industrieweg 5
Manufacturer's name and address NL - 7951 CX Staphorst
- 0.5. Beschreibungsbogen
Information document
- Nr. : 6888
No.
- Ausgabedatum : 22.12.2021
Date of issue
- 0.6. Kennwerte : $D/D_c = 10,72 \text{ kN}$
Characteristic values
- S = 100 kg
- Alternative Werte* : entfällt
Alternative values not applicable

1. Prüfgegenstand Testobject

- 1.1. Beschreibung : nicht genormte Kupplungskugel 50, *abnehmbar*
Description Non-standard coupling ball 50, detachable
- 1.2. Kennzeichnung : 6888-0-22-21
Marking
- 1.3. Bemerkungen : --
Remarks
- 1.4. Worst-Case-Auswahl : Da die Prüfung an dem Typ 6888 durchgeführt
Worst-case selection wurde, ist eine Worst-Case Betrachtung nicht
erforderlich.
*Because the test was performed on the type 6888,
a worst-case consideration is not required.*

2. Prüfprotokoll Test record

- 2.1 Prüfbedingungen : --
Test conditions
- 2.1.1 Meß- und Prüfeinrichtungen : Hydropulsanlage
Equipment for measuring and Nr. 01 (Serien-Nr. 4780, Kalib.-Datum 29.08.2019)
testing Hydropulse test bench
No 01 (Serial No 4780, Calibration date 29.08.19)
- 2.1.2 Prüfparameter : Resultierende Prüfkraft (Wechsellast): $\pm 6,432 \text{ kN}$
Parameter of the test Test load F (alternating load):
Errechneter D-Wert: $10,72 \text{ kN}$
Calculated D-value:
Prüfwinkel α : $+ 15^\circ$
Angle of test load α :
Prüffrequenz: $12,5 \text{ Hz}$
Frequency:
Lastspielzahl: 2×10^6
Load cycles:
- 2.1.3 Werkstoffprüfungen : wurden nicht durchgeführt
Material tests not carried out

- 2.1.4 Statische Prüfung auf zusätzlichen : Prüfkraft: 15 kN
Befestigungspunkt (60 sec.) *Test load*
Static test on secondary coupling
(60 sec)

2.2. Prüfergebnisse *Test Results*

Ergebnis der Untersuchungen : Nach den genannten Prüfungen wurden keine
Result of the tests Brüche, Risse oder übermäßigen Verformungen
festgestellt (Farbeindringprüfung).
The test sample withstood the dynamic fatigue test
and the static test without cracks checked by
penetrating means.

Montage- und Betriebsanleitung : Die Montage- und Betriebsanleitung enthält
Installation and operating ausreichende Informationen zur Montage und zum
instructions ordnungsgemäßen Betrieb.
The installation and operating instructions contain
sufficient information for mounting and duly
operation.

2.3. Allgemeine Angaben *General information*

Datum der Prüfung : 01.06.2021 (dynamisch / *dynamic*)
Date of testing 11.06.2010 (statisch / *static*)

Prüfort : Staphorst
Location of testing

3. Anlagen Appendices

Beschreibungsbogen : 6888 bestehend aus Beschreibungsbogen,
Information document Zeichnungen, Einbauanleitung (20 Seiten).
6888 consisting of Information document,
Drawings, Fitting instructions (20 pages).

4. Schlussbestätigung Statement of conformity

Die erwähnte Beschreibungsmappe und der darin beschriebene Typ entsprechen der genannten Prüfgrundlage. Der ungünstigste Fall wurde entsprechend der Prozessbeschreibung "Anforderungen an Prüfberichte (AS-PB-T-02)" bestimmt.

Der Prüfbericht darf nur vom Auftraggeber und nur in vollem Wortlaut vervielfältigt und weitergegeben werden. Eine auszugsweise Vervielfältigung und Veröffentlichung des Prüfberichts ist nur nach schriftlicher Genehmigung zulässig.

The mentioned information folder and the type described therein are in accordance with the test basis mentioned above. The worst-case was selected in accordance with document "Requirements for Test Reports (AS-PB-T-02)".

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Société Nationale de Certification et d'Homologation s.à.r.l.	Luxemburg Luxembourg	13/B(g)

Dieser Prüfbericht umfasst die Seiten 1 bis 5.

The Test Report comprises of pages 1 to 5.



München, 25 January 2022

Dipl.-Ing. (BA) Alexander Ewert

