



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~~APPROVAL REFUSED ⁽⁴⁾/~~ ~~APPROVAL WITHDRAWN ⁽⁴⁾/~~ ~~PRODUCTION DEFINITELY~~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



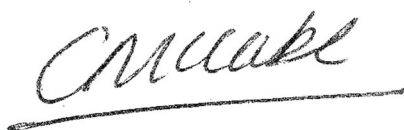
Approval No: E11*55R02/01*11924*00

1. Trade name or mark of the device or component: Brink
2. Type of device or component: 6887
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: 07 December 2021
8. Technical service responsible for conducting approval tests: TÜV SÜD Auto Service GmbH

9. Brief description: Non-standard coupling ball 50, fixed
- 9.1. Type and class of device or component: 6887; 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: 22-00015-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*11924*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: 18 (Eighteen)

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): 6887

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. 688705_01 Version C of 17-12-2021

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 688775 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): 6887

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:

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	1193 kg
	Back	1173	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



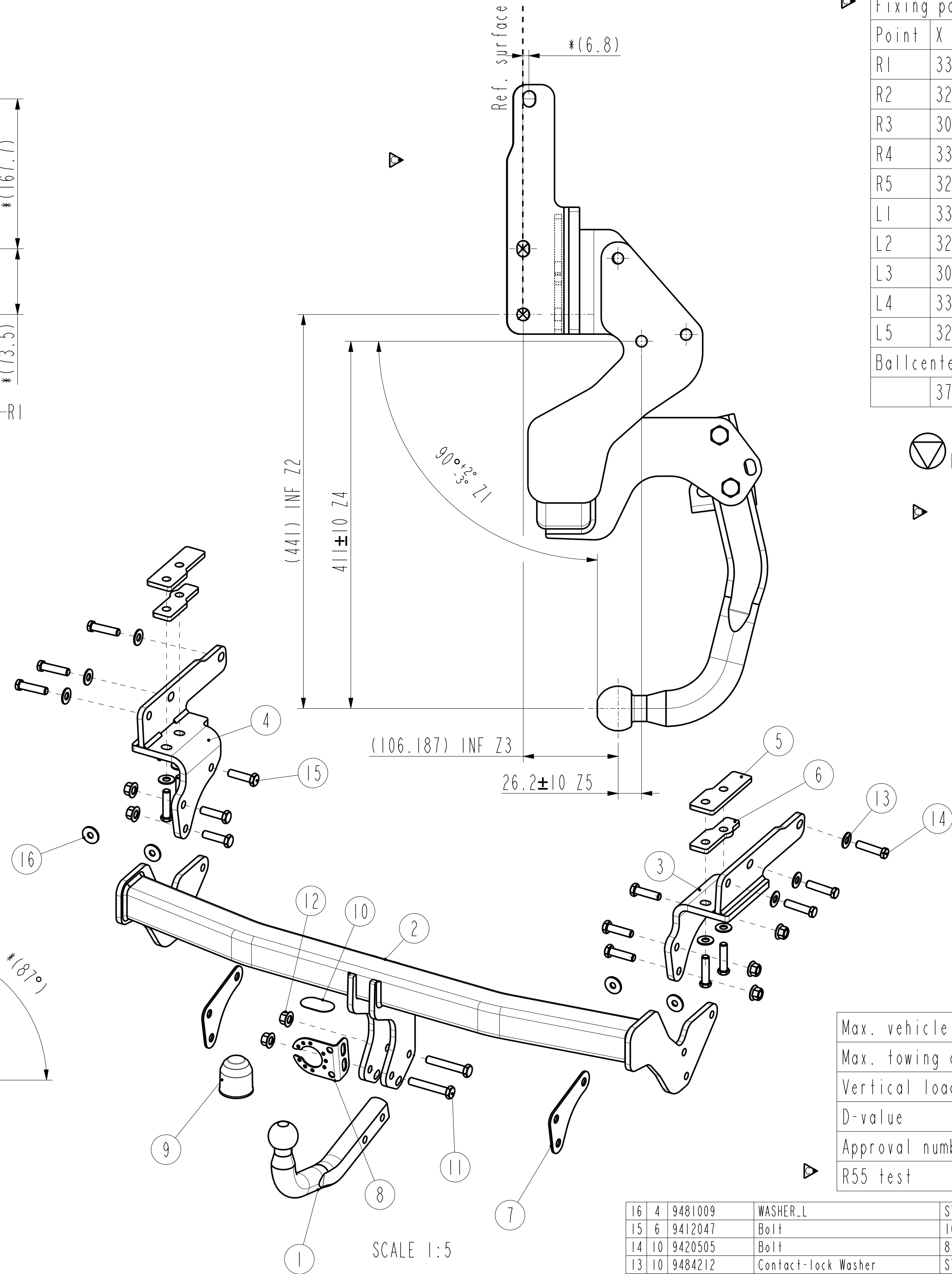
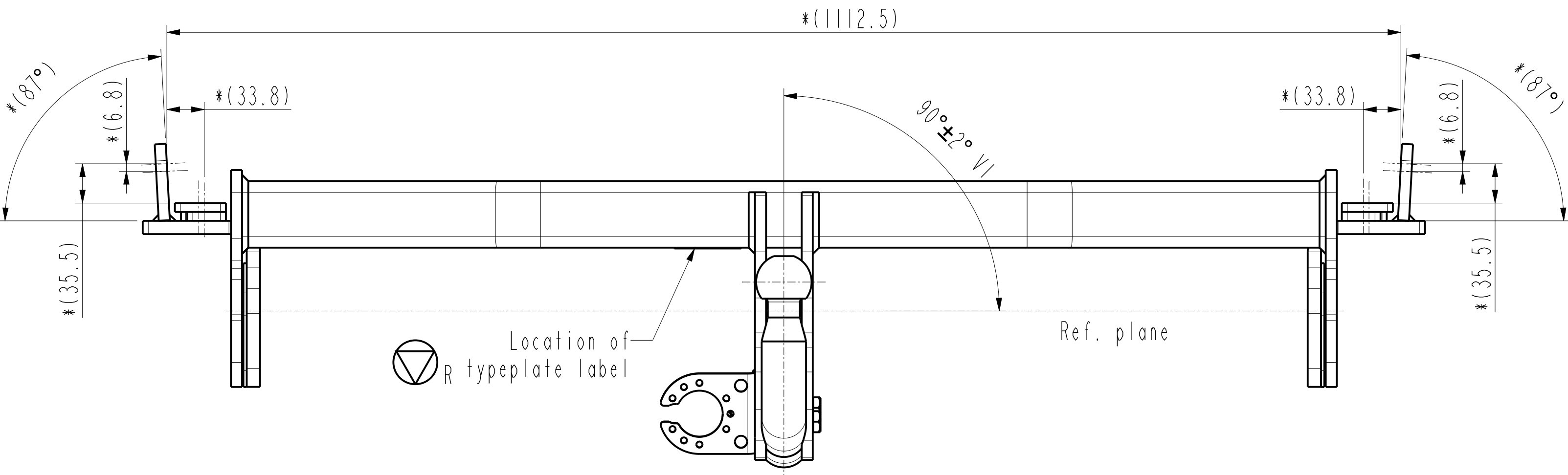
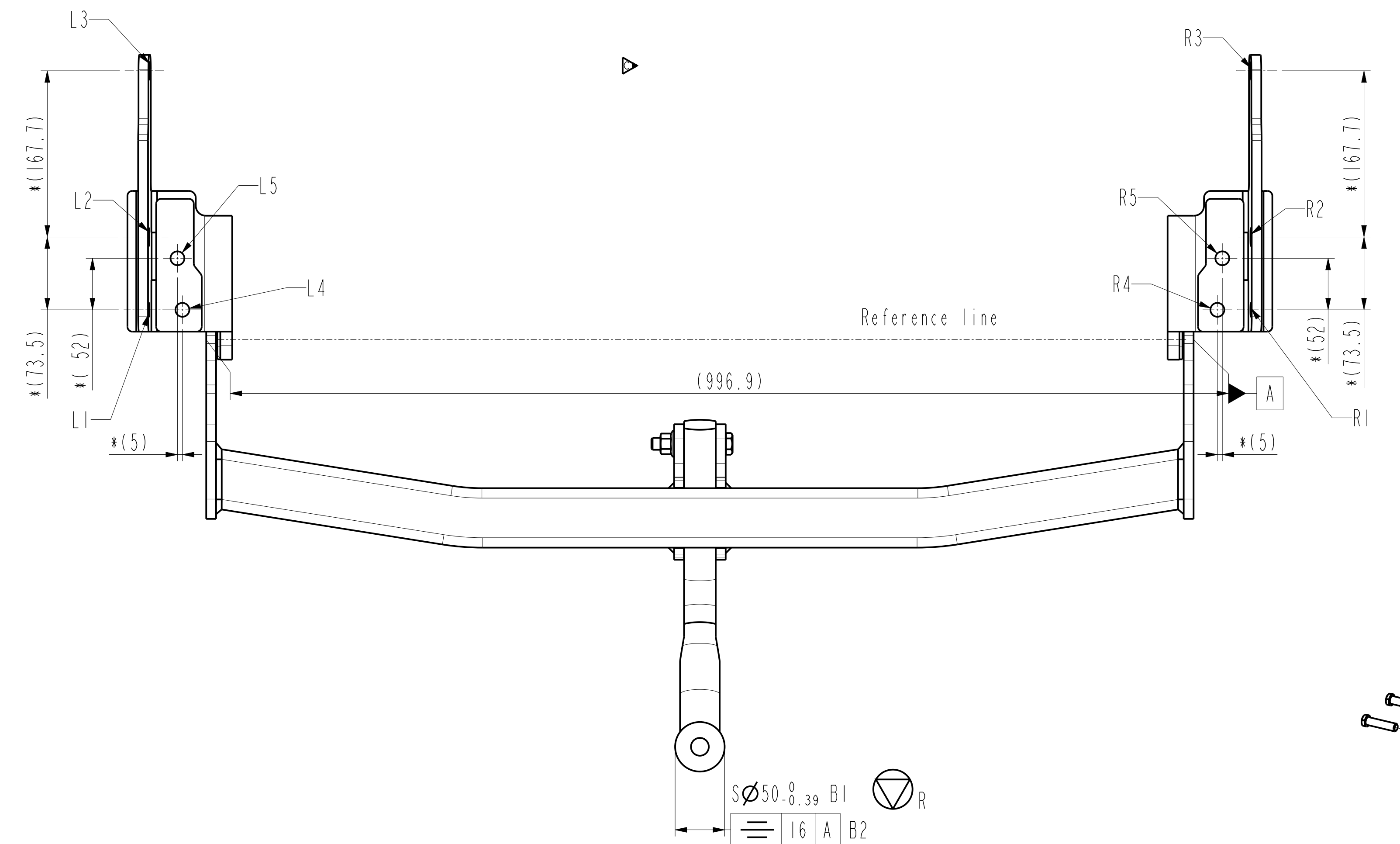
Please complete information of attached drawings and manuals in the sheet below:

				Original date	Ver./Ch.	Rev	dtd.	Date	Reason for change: (in case of extension)
-1 drawing nr:	688705_01	Sheet	1 of 1 from	11-2-2021	Version	C	dtd.	17-12-2021	
-1 drawing nr:	6887_10	Sheet	1 of 1 from	11-2-2021	Version	C	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_21	Sheet	1 of 1 from	28-6-2021	Version	A	dtd.	05-07-2021	
-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	
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-1 drawing nr:		Sheet	of from						
-1 drawing nr:		Sheet	of from						
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-1 drawing nr:		Sheet	of from						

Fitting instructions 688775 from 15-12-2021
Alternative fitting instructions (optional): from

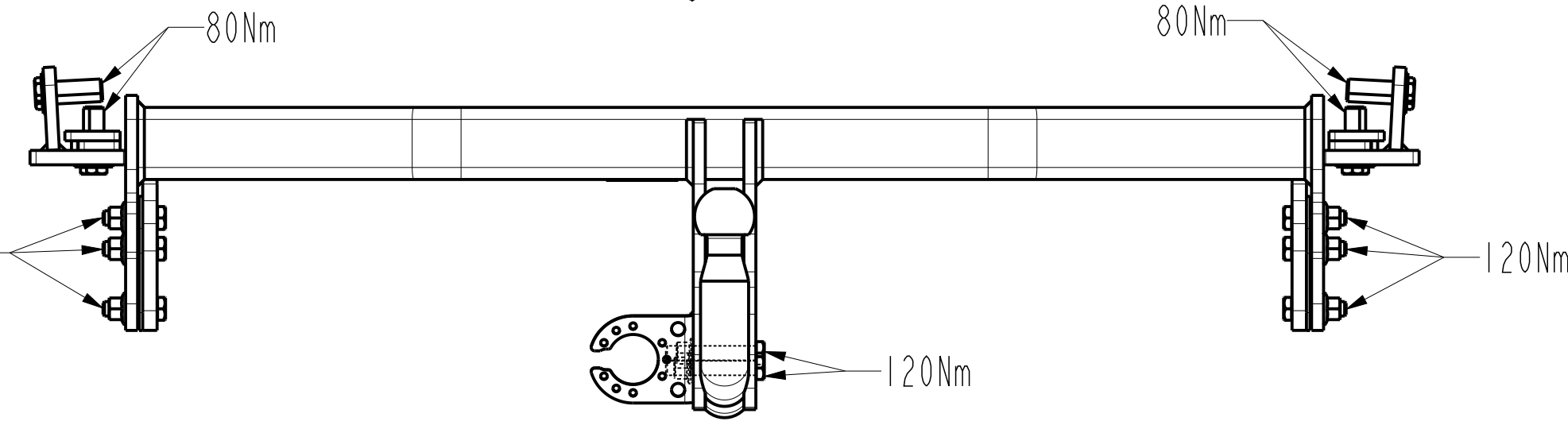
Confirmation





NOTES:
Materials used conform to NES M0301 (Substance Use Restrictions)
Design according to: 00-TF [500-145D] & E1130 NADS0 [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
S = Critical Characteristic
R = Critical Characteristic
* = fittingpointmeasure
Character-figure combination on behalf of controlreport



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. **6887** Art. No.

Serial No. **Ser. nr.**

Coupling class **A50-X**

Approval No. **E11 55R 0211924**

D-value **D 10.72 kN**

Vertical load **S 100 kg**

Part No. **KE500-6R500**

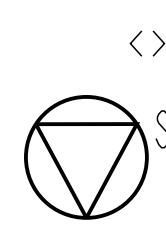
made by **BRINK**

Max. vehicle mass	2410kg
Max. towing capacity	2000kg
Vertical load	100kg
D-value	10,72kN
Approval number	55R-02 11924
R55 test	Euro

16	4	9481009	WASHER_L	ST	M10 - -
15	6	9412047	Bolt	10.9	M12x45 - DIN933
14	10	9420505	Bolt	8.8	M12x1,25x50 - DIN960
13	10	9484212	Contact-lock Washer	ST	M12 - -
12	8	9430612	Selflocking flange nut	10	M12 - DIN6927
11	2	9412076	Bolt	10.9	M12x75 - DIN931
10	1	8575001	Typeplate(label) -	POLYESTER	- - -
9	1	8077328	BALLCAP-NISSAN-	HDPE	- - -
8	1	TH00002017	Socketplate	DC01	pl. 2mm - EN10131
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	6887.10	Weld-assy Nissan P33A FIXED	-	- - -
1	1	6887.21	Ball	S355J2G3C	Ø 40 - EU 60

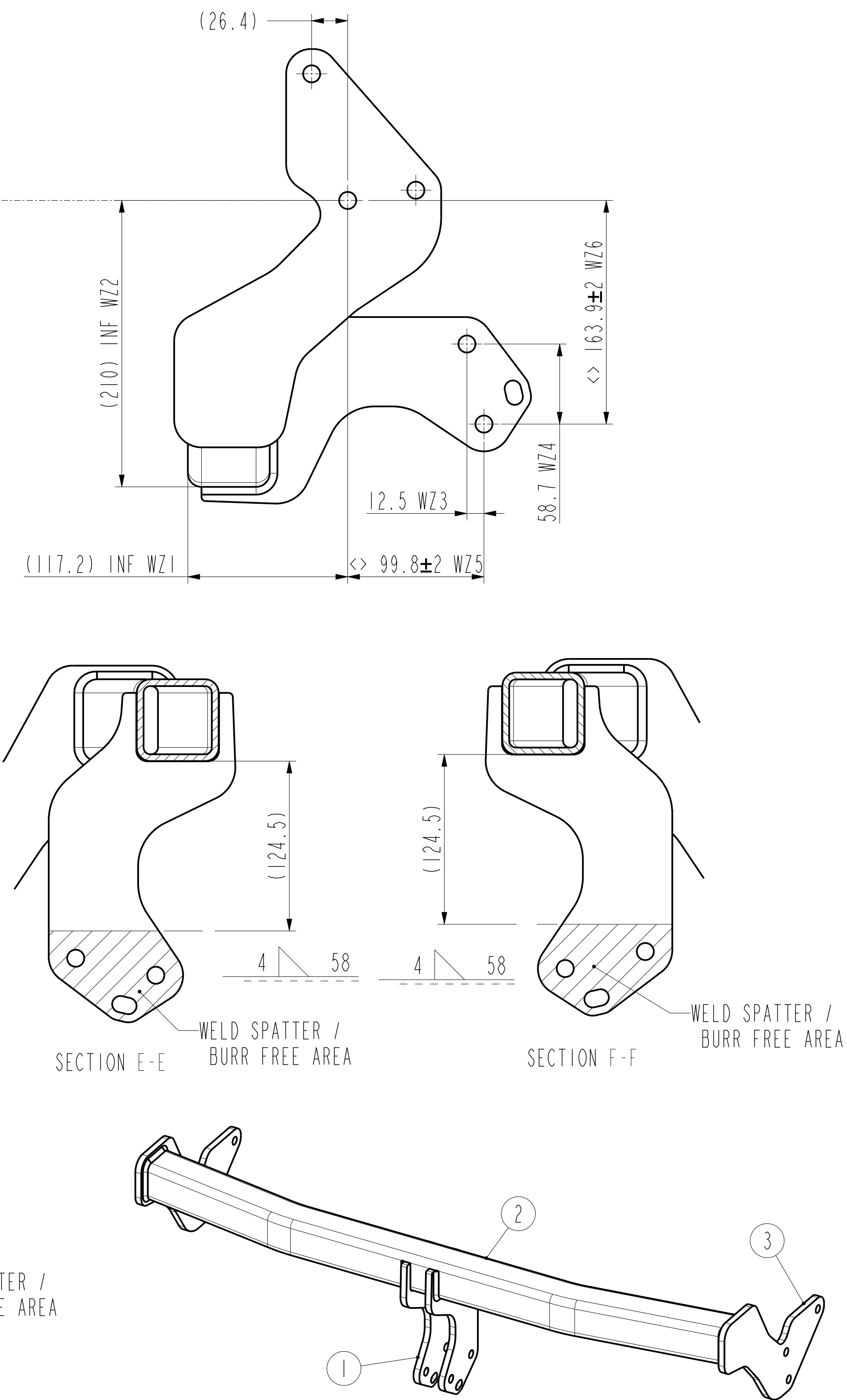
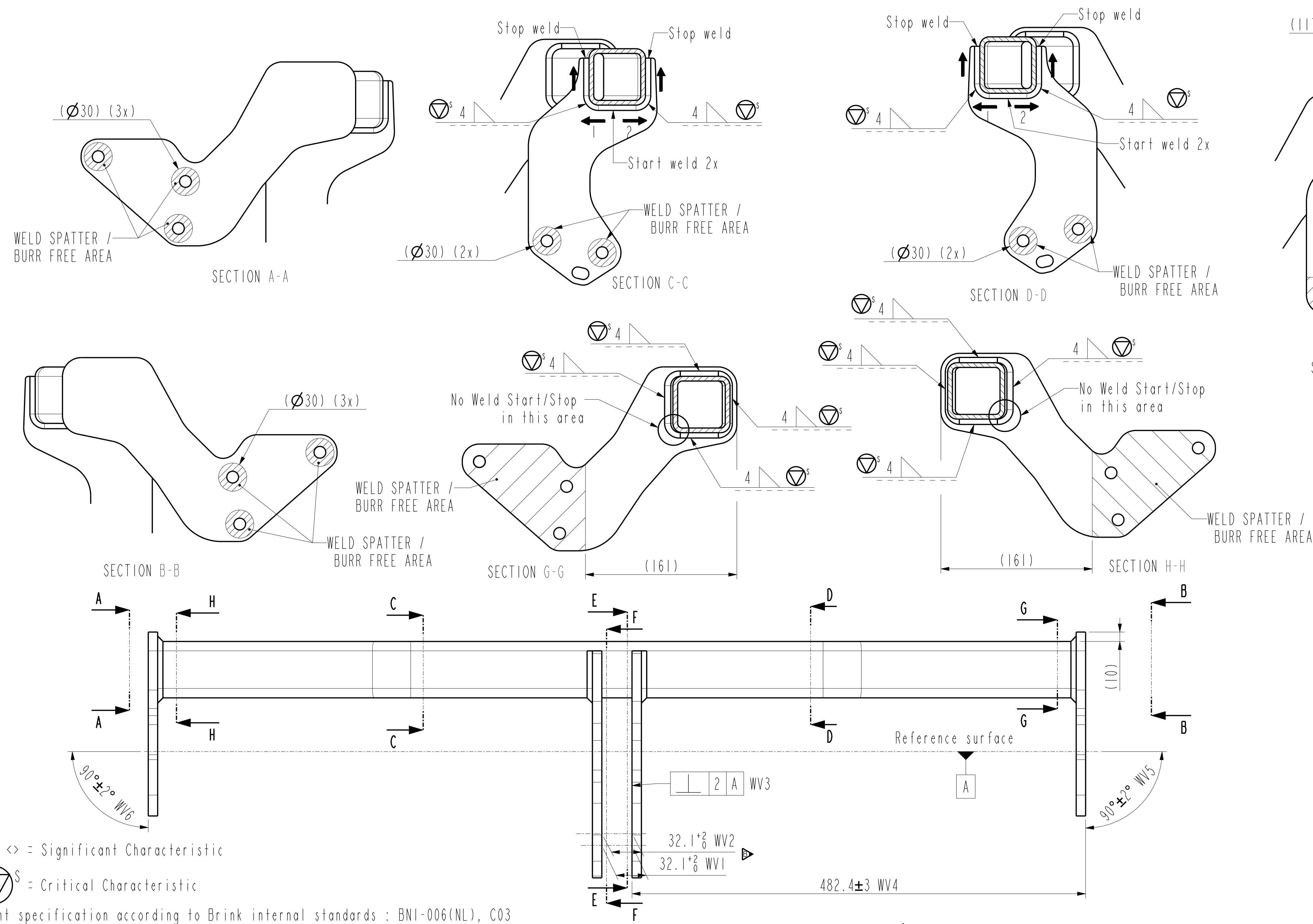
posqly number	name	material	material dimension
Tolerances unless otherwise specified	hole tolerance	created by: RT	material description: -
± 1 mm	JS14	creation date: 11-02-2021	material dimension: -
± 1		mass: 28.769 kg	last changed by: Robert Koefler
		part nr.: -	last change date: 17-12-2021 16:38
		approval date:	approved by:
Brink Group		P33A-TOWBAR ASSY-FIXED	
PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Roi Tongay Zac les Naux 54450 Belleny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		KE500-6R500	
size A1	third angle	scale 3:10	sheet 1 of 1
	units in mm	drawing number 688705.01	release status In Work
			08 Mar 22

Company confidential
Information document 6887



S = Critical Characteristic

Paint specification according to Brink internal standards : BNI-006(NL), C03



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

3	2	6887_13	Mountingplate	S420MC-BM	Pl. 10mm - EN 10051
2	1	6887_04	Tube	S275J0H	□ 60x60x5mm - EN 10219-2
1	2	6887_16	Ballplate	S420MC-BM	Pl. 10mm - EN 10051
pos/qty		number	name	material	material dimension
Tolerances unless otherwise specified		created by:		material description:	
		creation date:		material dimension:	
		mass:		last changed by:	
		part nr.:		last change date:	
± 1 mm		approval date:		approved by:	
± 1		hole tolerance		name	
		JS14		Weld-assy Nissan P33A FIXED	
		PO Box 24, 1950 AA Slaphorst The Netherlands 7, rue Roi Tongay Zac les Naux 54550 Belleny France 14 Old Field Road, Shortis Retreat Pietermaritzburg, KwaZulu Natal, South Africa		scale	
size		third angle		sheet	
A1		units in mm		drawing number	
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				08-Mar-22	

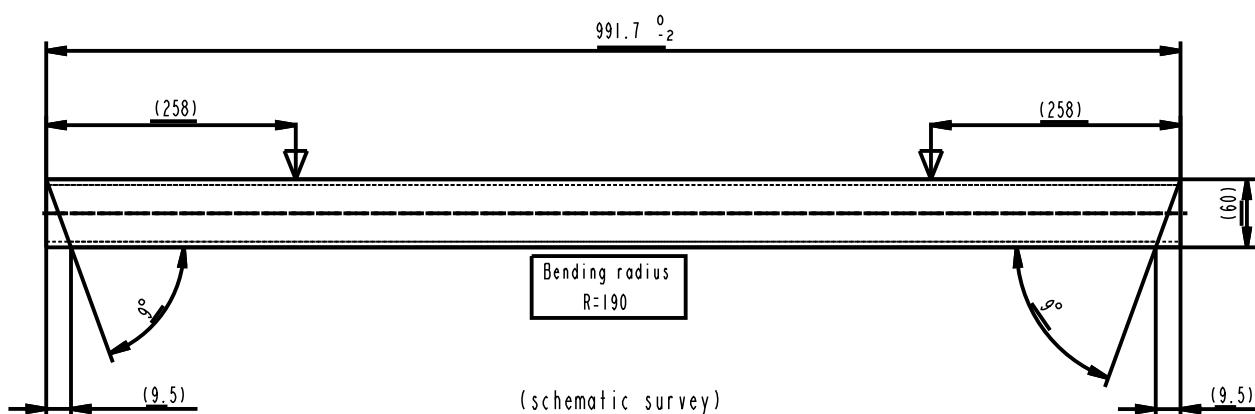
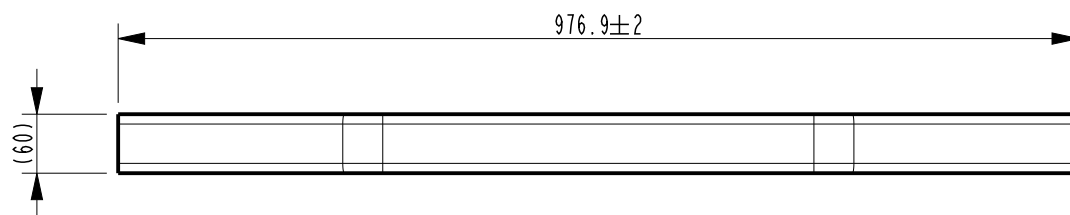
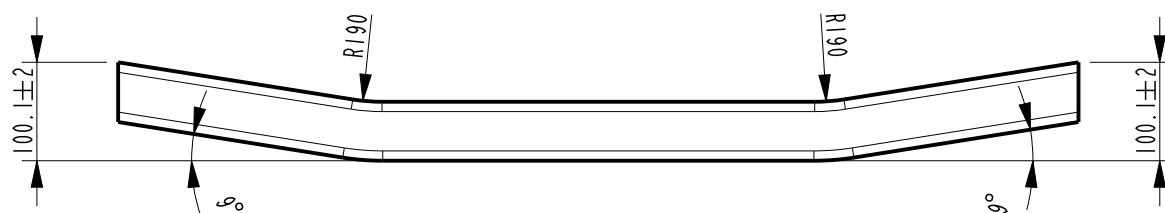
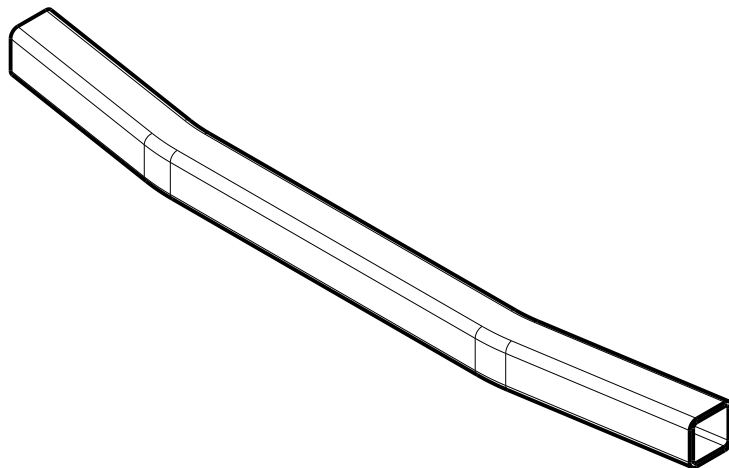
A

B

A

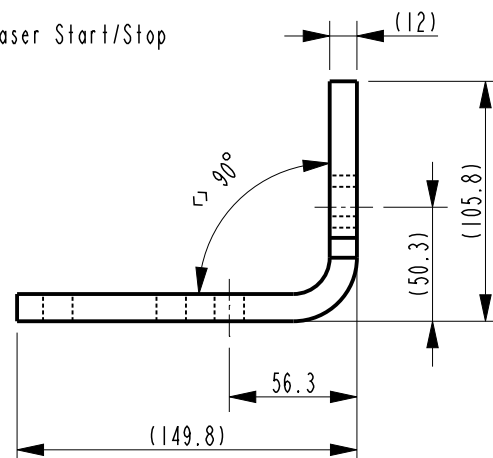
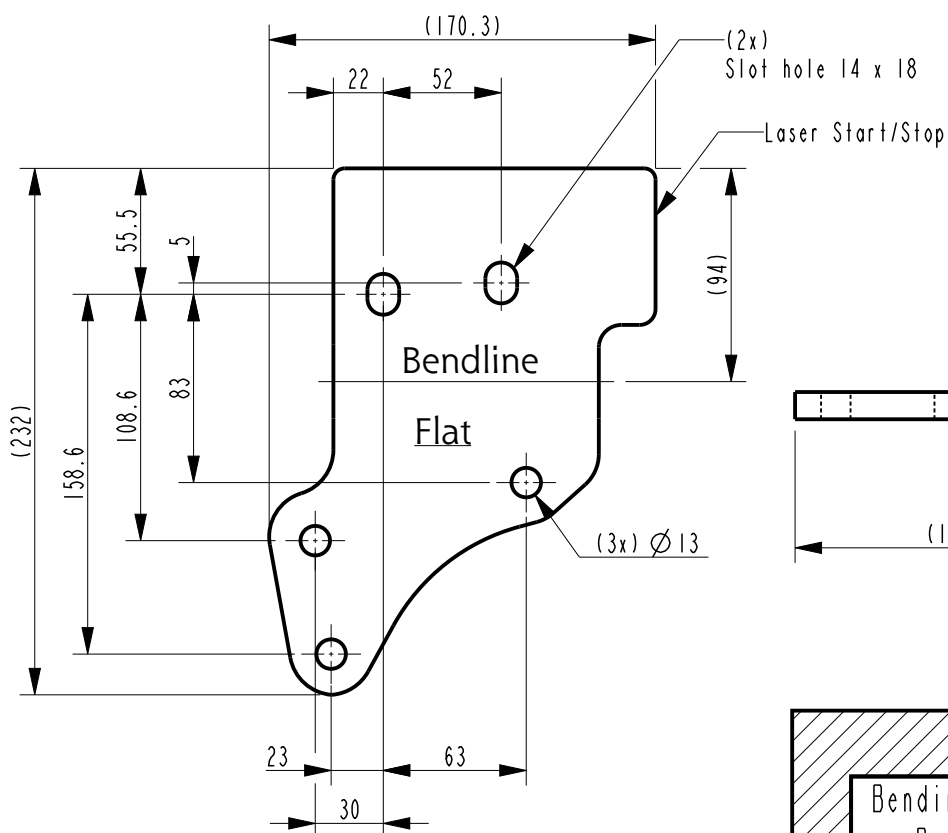
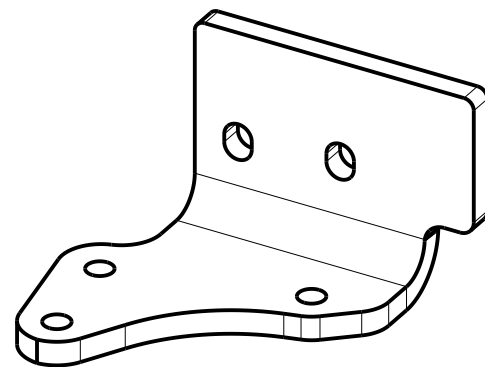
B

C

type: PART
modellname: 6887_04S
R = Critical Characteristic

Note: Part must be free of burrs

Tolerances unless other- wise specified		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	third angle	scale	sheet	drawing number	release status	 version 08-Mar-22
A4	 units in mm	13:100	1 of 1	6887_04	In Work	



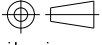
Bending radius $R=16 +2/0$
Bottom blade = 65

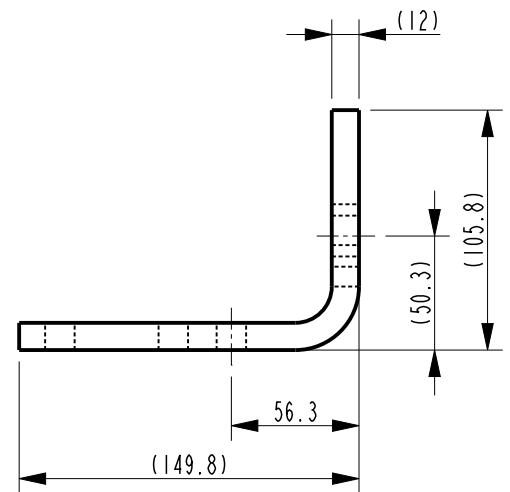
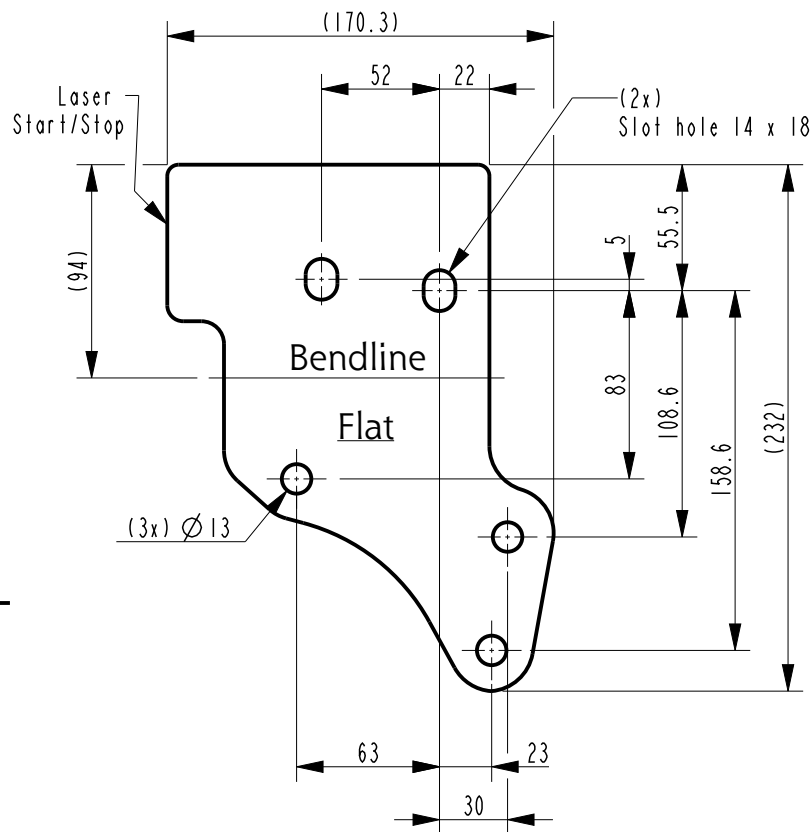
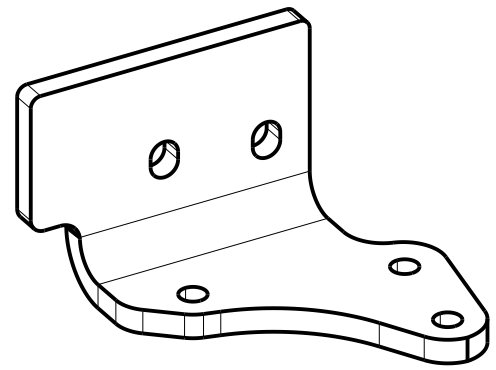
<> = Significant Characteristic



$\triangle$ = Critical Characteristic

Note: Part must be free of burrs

Tolerances unless otherwise specified:		created by: N Fokkinga		material description: S420MC-BM $\triangle$ EN10149-2	
		creation date: 11-02-21		material dimension: PL. 12mm $\triangle$ EN10051	
Linear: ISO 9013:2017 table 6 Angular: $\pm 1^\circ$		mass: 2.238 kg		last changed by: Robert Koetsier	
		part nr.: $\triangle$ 8720501		last change date: 21-12-2021 10:35	
		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 RHS	
		size A4		release status In Work	
third angle  units in mm		scale 3:10	sheet 1 of 2	drawing number 6887_07	version 08-Mar-22



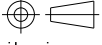
Bending radius $R=16 +2/0$
Bottom blade = 65

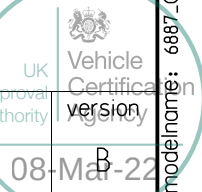
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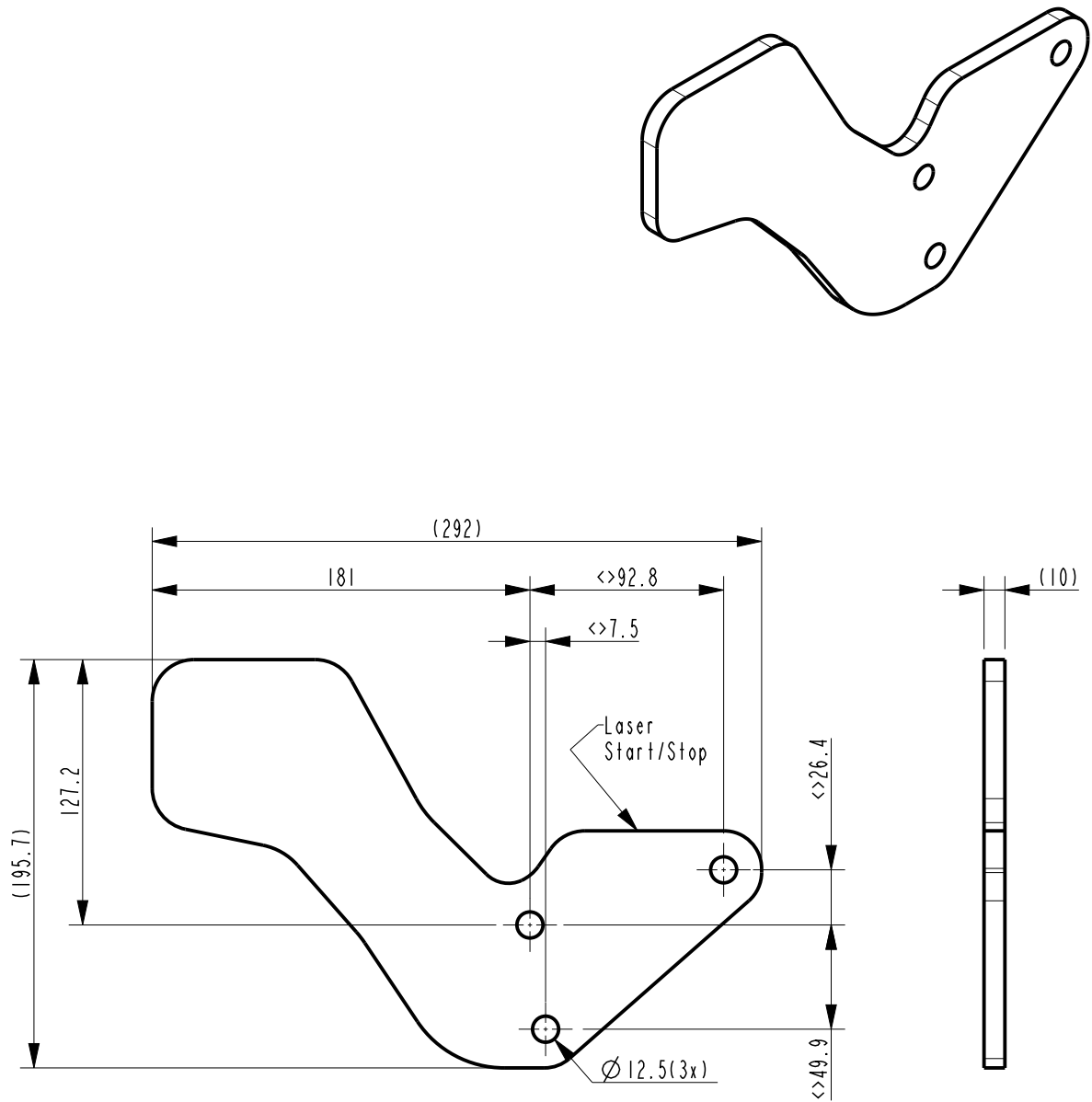


$\triangle$ = Critical Characteristic

Note: Part must be free of burrs

Tolerances unless otherwise specified: Linear: ISO 9013:2017 table 6 Angular: $\pm 1^\circ$		created by:	BR	material description:	S420MC-BM $\triangle$ EN10149-2
		creation date:	11-02-21	material dimension:	PL. 12mm $\triangle$ EN10051
		mass:	2.238 kg	last changed by:	Robert Koetsier
		part nr.:	 8720501	last change date:	21-12-2021 10:37
		approval date:		approved by:	
		name Side Plate LHS			
size A4	third angle  units in mm	scale 3:10	sheet 1 of 1	drawing number 6887_08	release status In Work



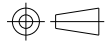


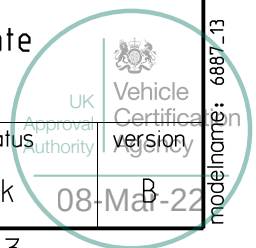
<> = Significant Characteristic



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



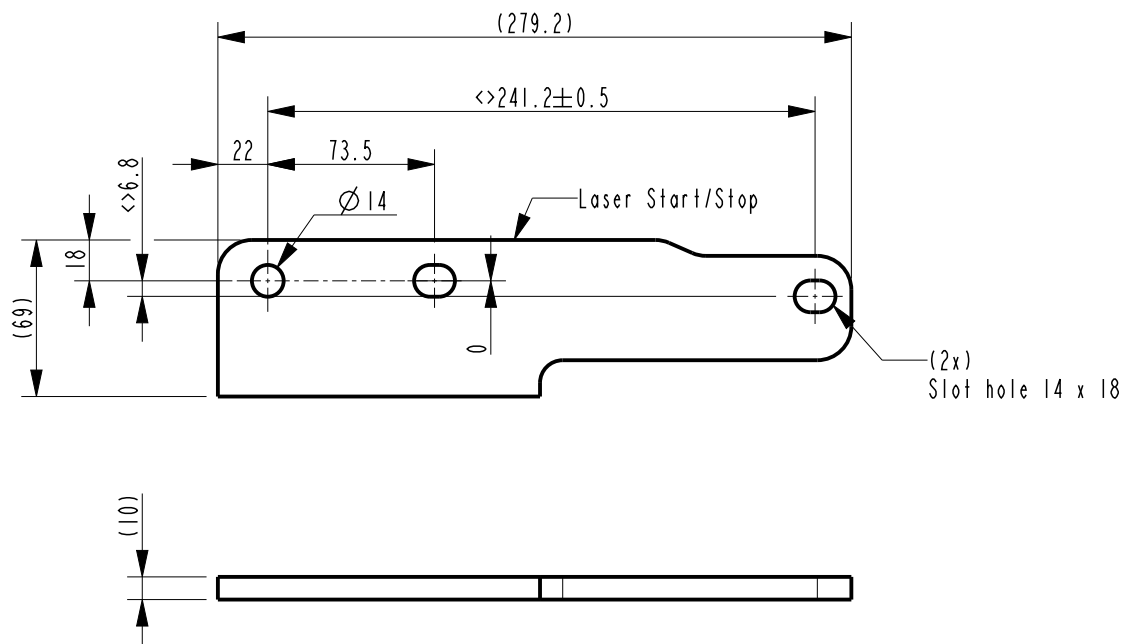
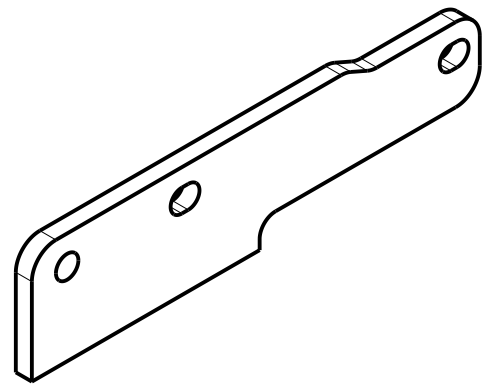
A

B

A

B

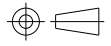
C

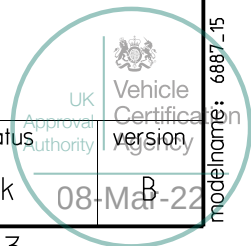


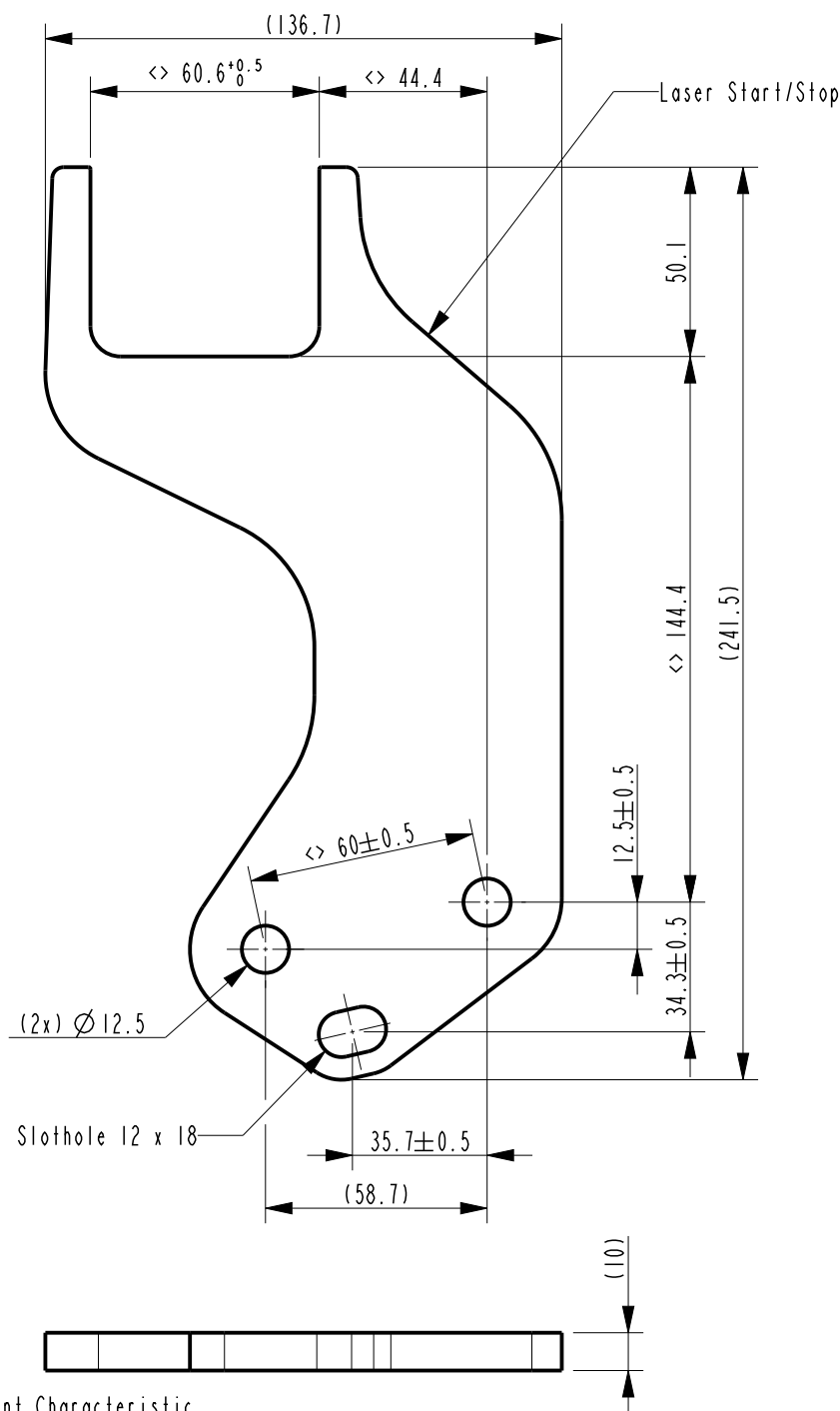
<> = Significant Characteristic

S_R = 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: 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

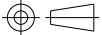


<> = Significant Characteristic



= Critical Characteristic

Note: Part must be free of burrs

Tolerances unless otherwise specified:		created by: N Fokkinga		material description: S420MC-BM  EN 10149-2	
Linear: ISO 9013:2017 table 6 Angular: $\pm 1^\circ$		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	third angle	scale	sheet	drawing number	release status
A4	 units in mm	1:2	1 of 2	6887_16	In Work

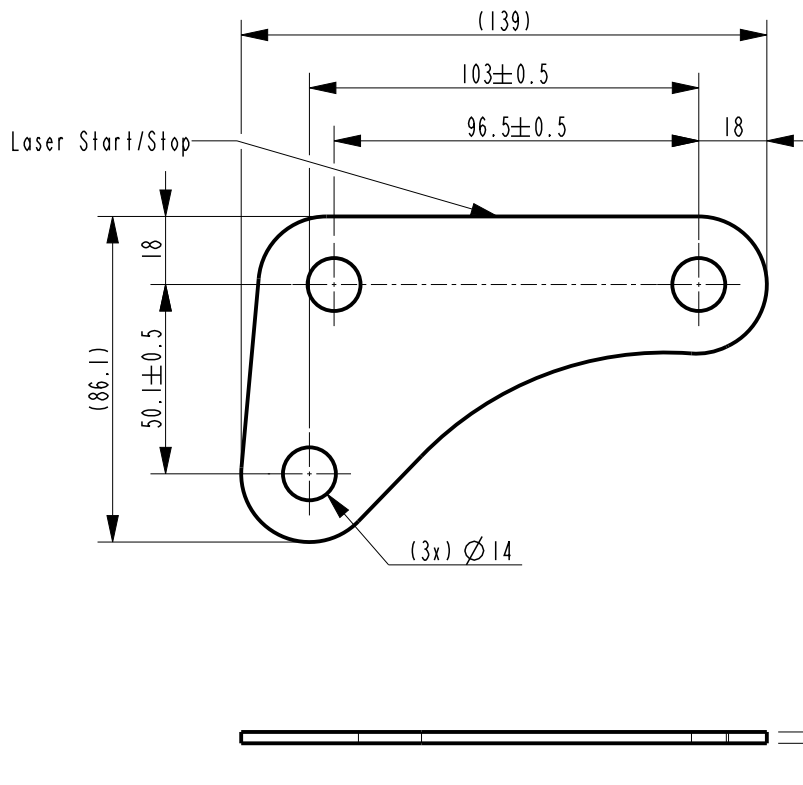
A

B

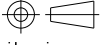
A

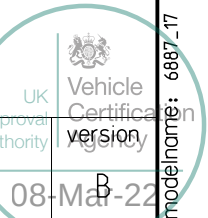
B

C



Note: Part must be free of burrs

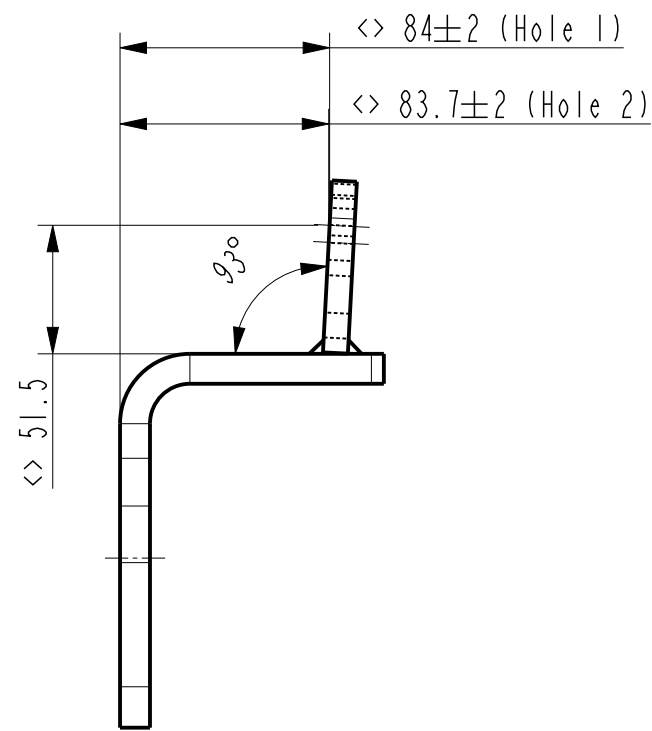
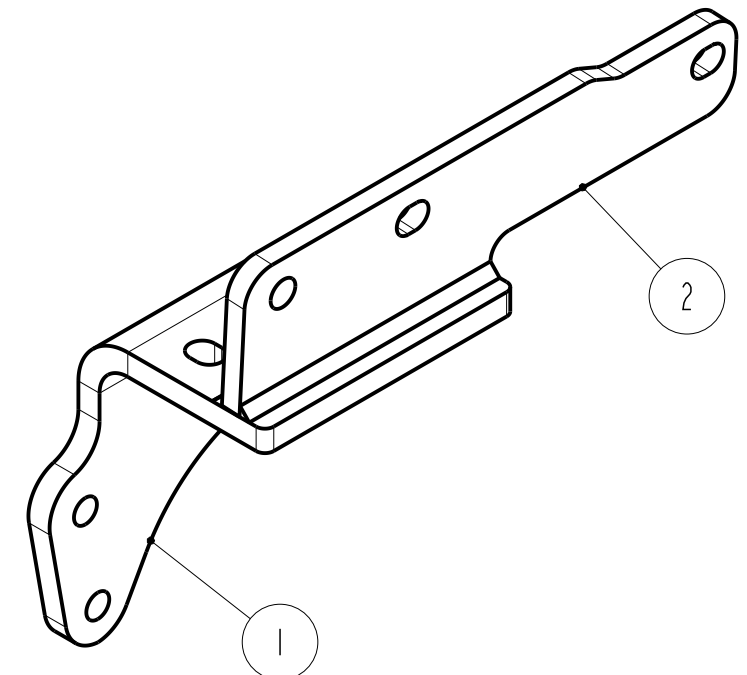
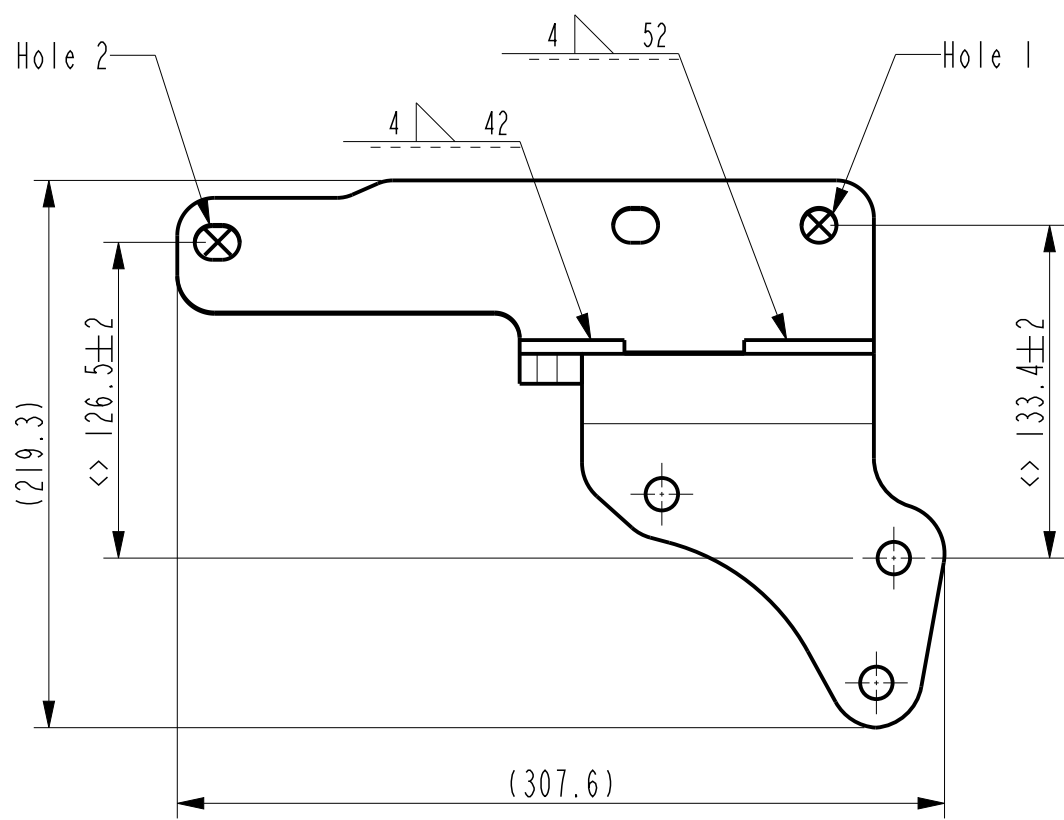
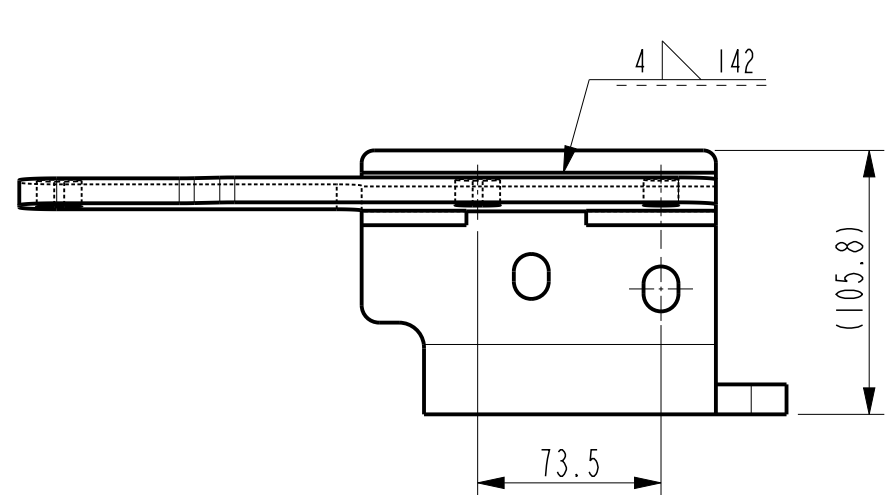
Tolerances unless otherwise specified: Linear: ISO 9013:2017 table 6 Angular: $\pm 1^\circ$		created by: BR		material description: DC01 EN10130	
		creation date: 18-02-21		material dimension: PL. 3mm EN10131	
		mass: 0.158 kg		last changed by: Robert Koetsier	
		part nr.: 8720265		last change date: 09-03-2021 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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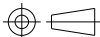
A

B



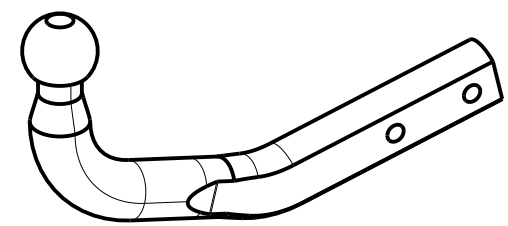
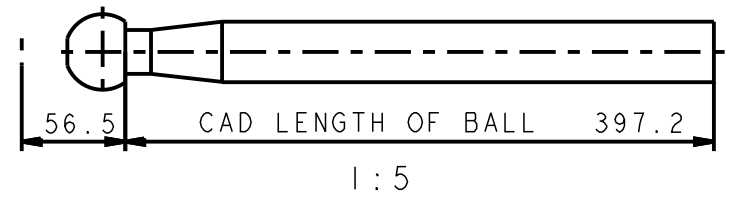
<> = Significant Characteristic

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

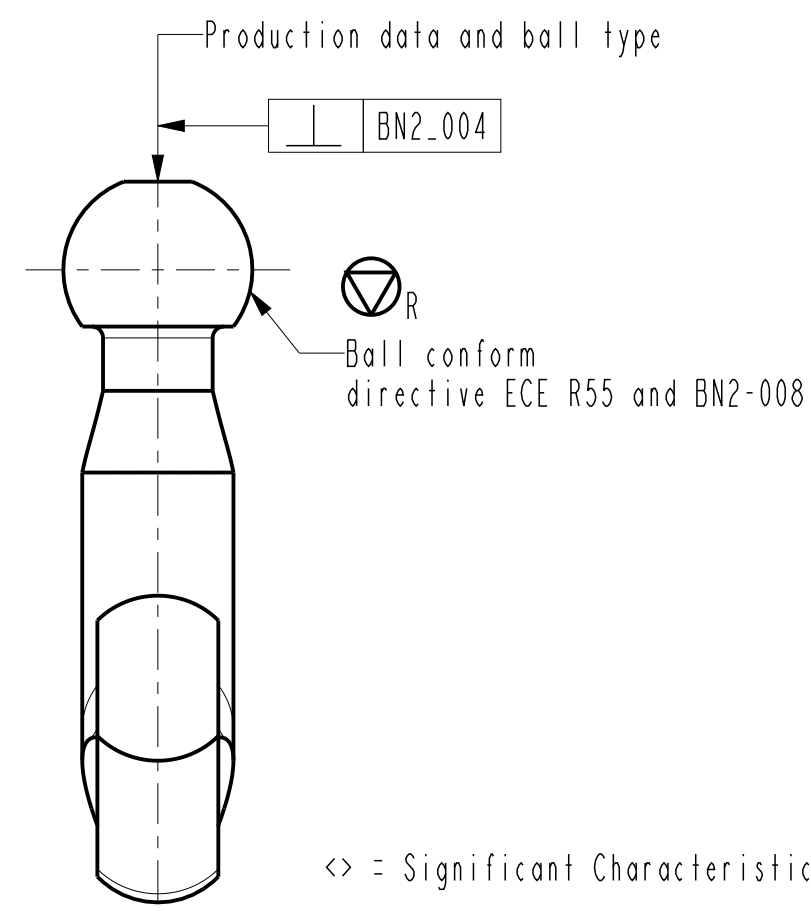
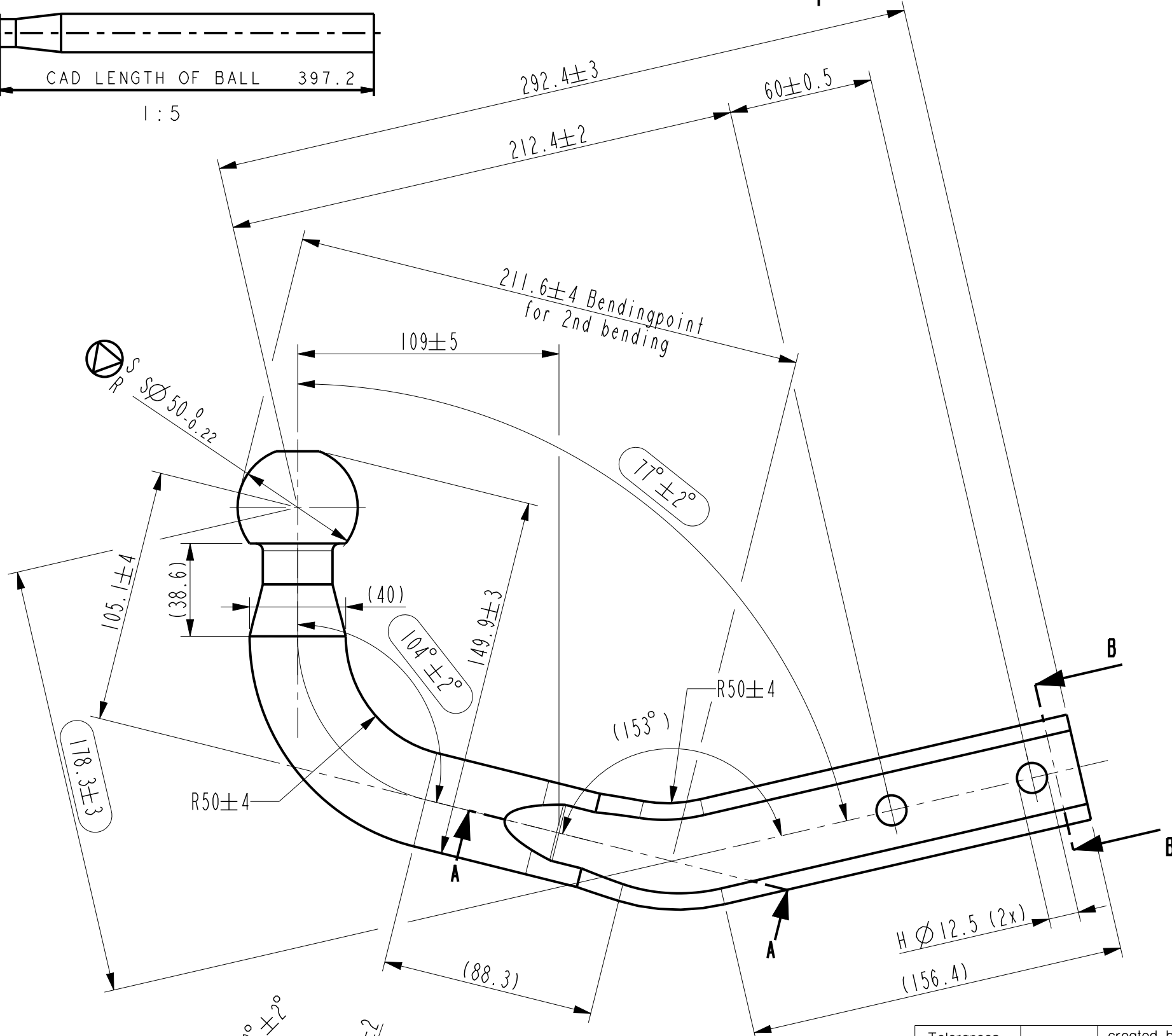
	2	1	6887_15	Sideplate	S420MC-BM	Pl. 10mm - EN 10051
	1	1	6887_07	Side plate RHS	S420MC-BM	Pl. 12mm - EN10051
pos		qty	number	name	material	material dimension
Tolerances unless otherwise specified $\pm 1 \text{ mm}$ $\pm 1 \text{ }^\circ$		hole tolerance	JS14	created by:	BR -	
				creation date:	11-02-21 -	
				mass:	3.504 kg	
				last changed by:	Robert Koetsier	
				last change date:	21-12-2021 10:55	
approval date:				approved by:		
Brink Group				name		
				Weld-assy side bracket RHS		
size		third angle		scale	sheet	drawing number
A3		 units in mm		3:10	1 of 1	6887_20
				release status	version	
				In Work	B	

type: ASSEM
model name: 6887_20
version: B

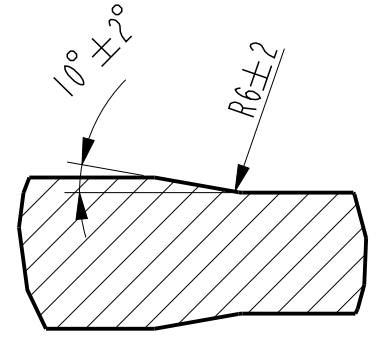
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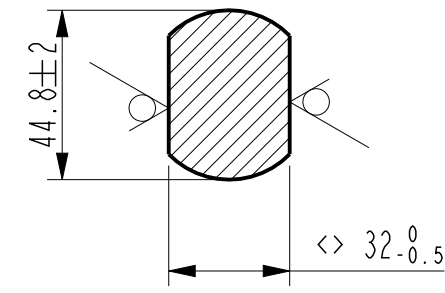
SCALE 1:5



<> = Significant Characteristic
= Critical Characteristic
Annealing according to BN2-012

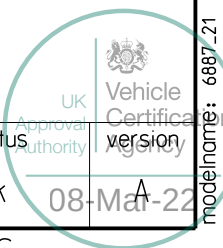


SECTION A-A



SECTION B-B

Tolerances unless other- wise specified ± 1 mm ± 1 ° Brink Group		hole tolerance	created by: RT	material description: S355J2G3C EN 10025	
		JS14	creation date: 28-06-2021	material dimension: Ø40 EU 60	
			mass: 4.316 kg	last changed by: Brijesh Raiyani	
			part nr.: -	last change date: 05-Jul-21 04:47:30 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 Ball	
size A3	third angle units in mm	scale 1:2	sheet 1 of 1	drawing number 6887_21	release status In Work



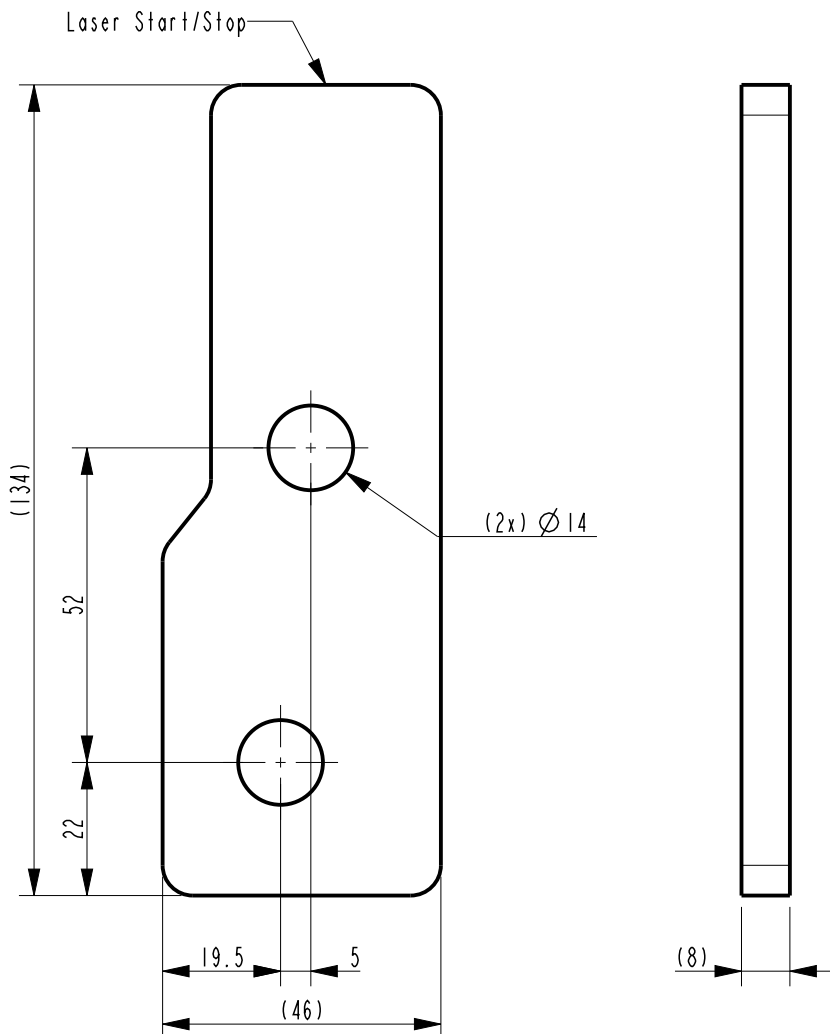
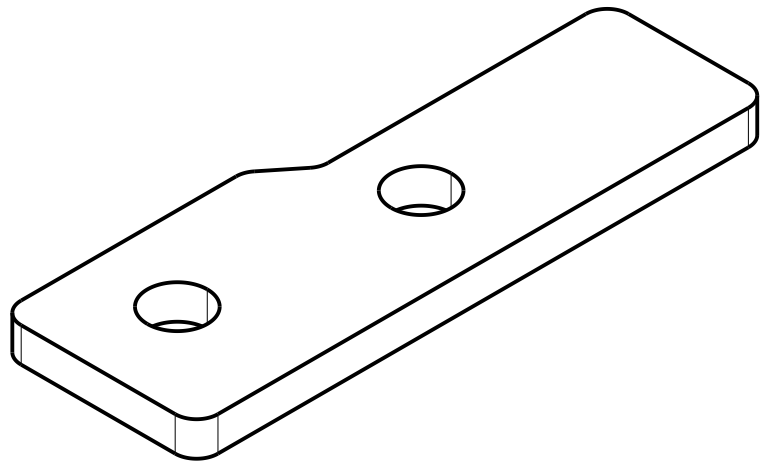
A

B

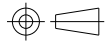
A

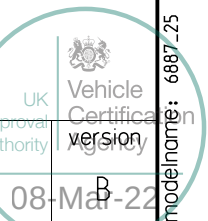
B

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



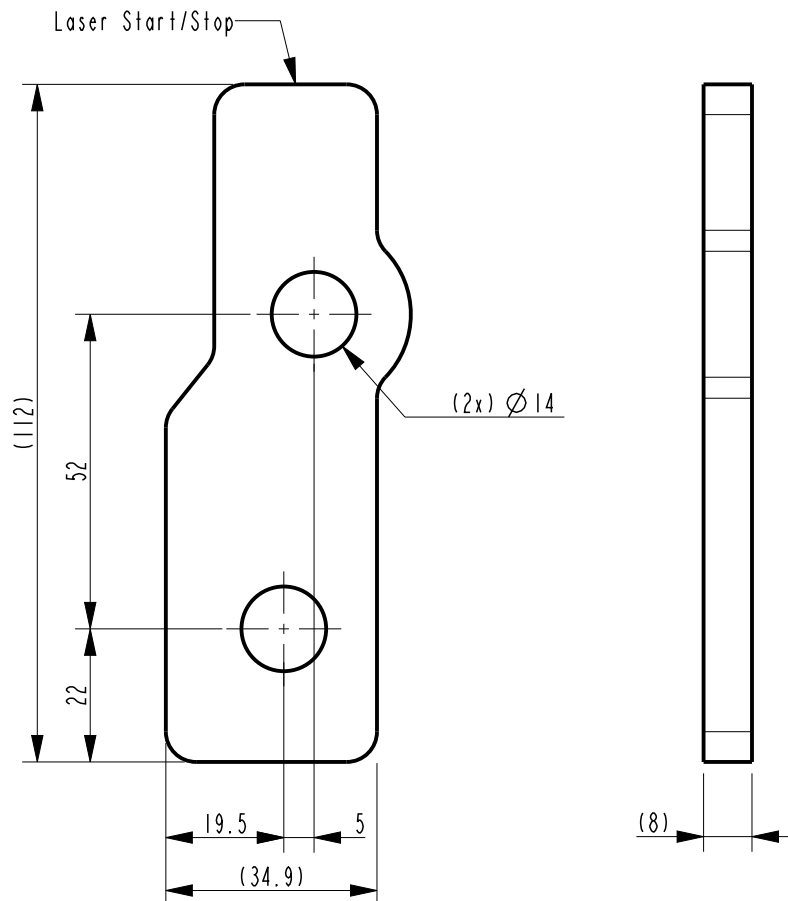
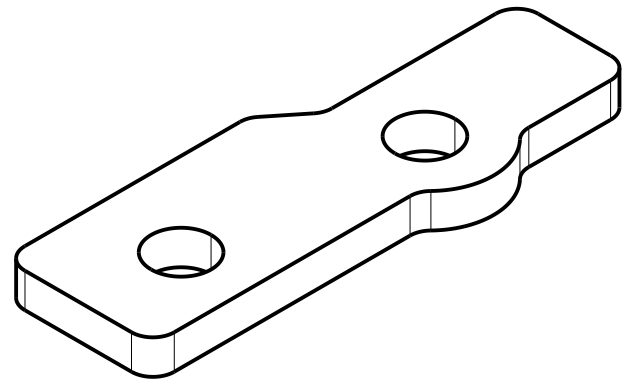
A

B

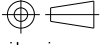
A

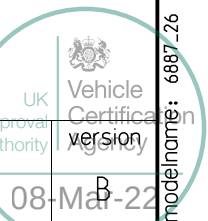
B

C



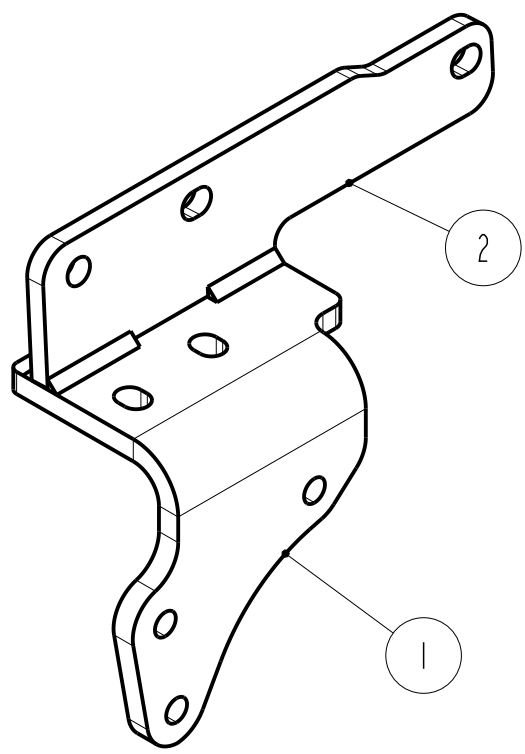
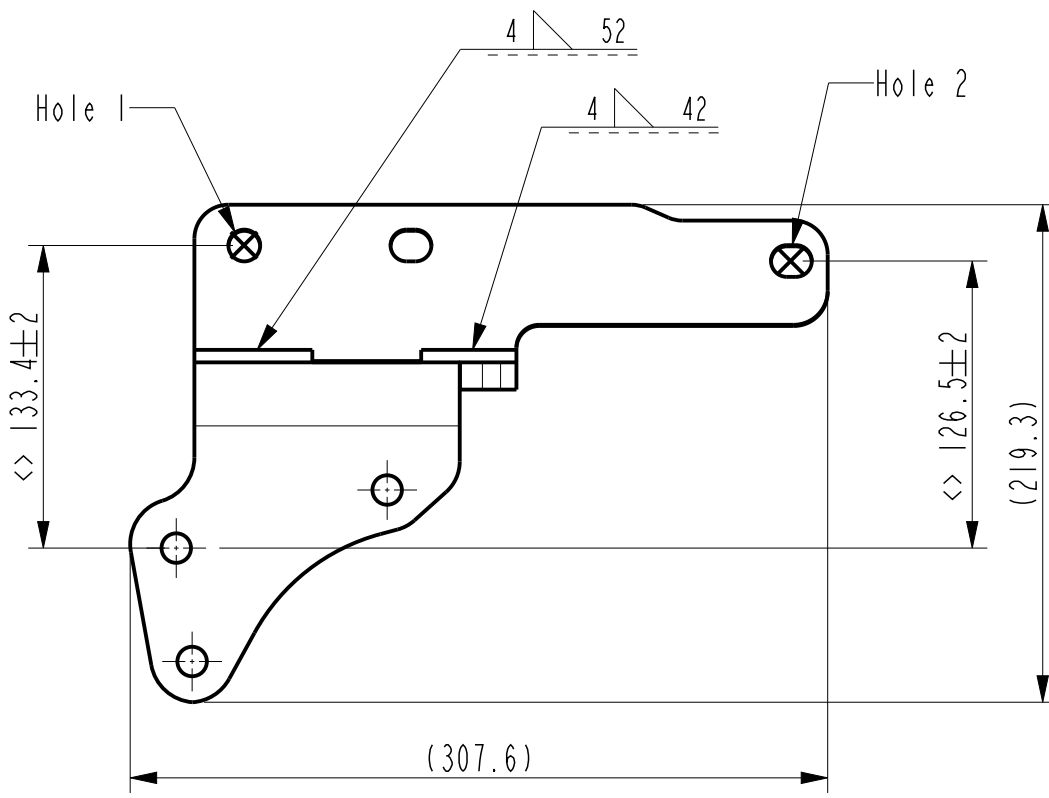
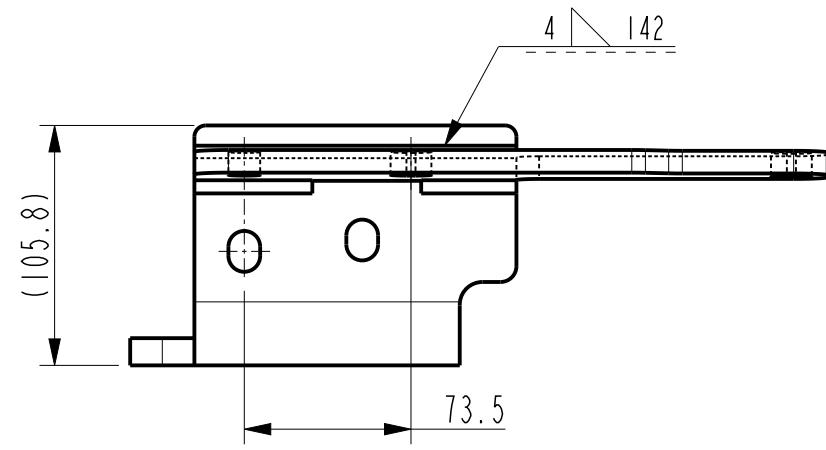
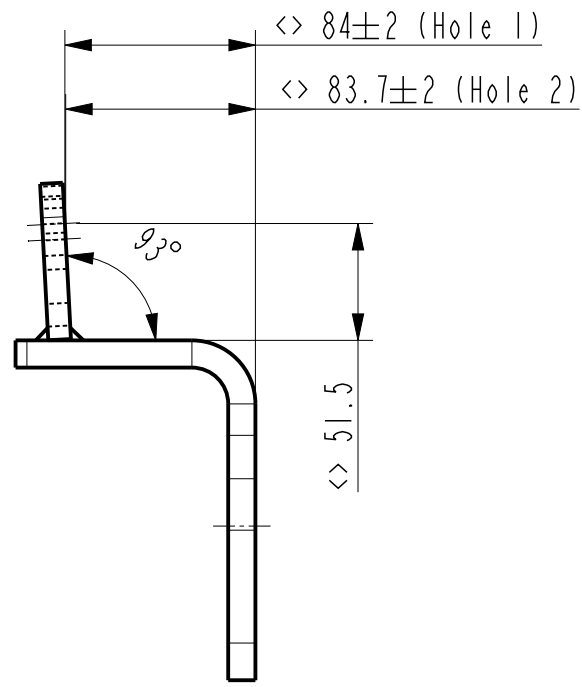
Note: Part must be free of burrs

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

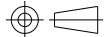
Company confidential

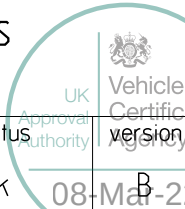
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<> = Significant Characteristic

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 $\pm 1 \text{ mm}$ $\pm 1^\circ$			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		
				name Side Arm LHS		
size	third angle		scale	sheet	drawing number	release status
A3	 units in mm		3:10	1 of 1	6887_30	In Work



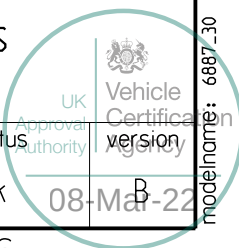
UK
Approval
Authority



Vehicle
Certification
Registry

08-Mar-22

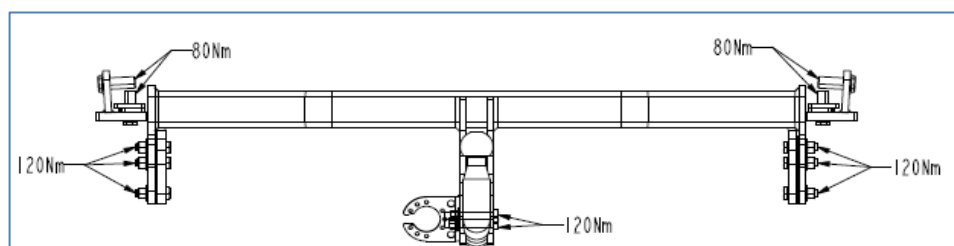
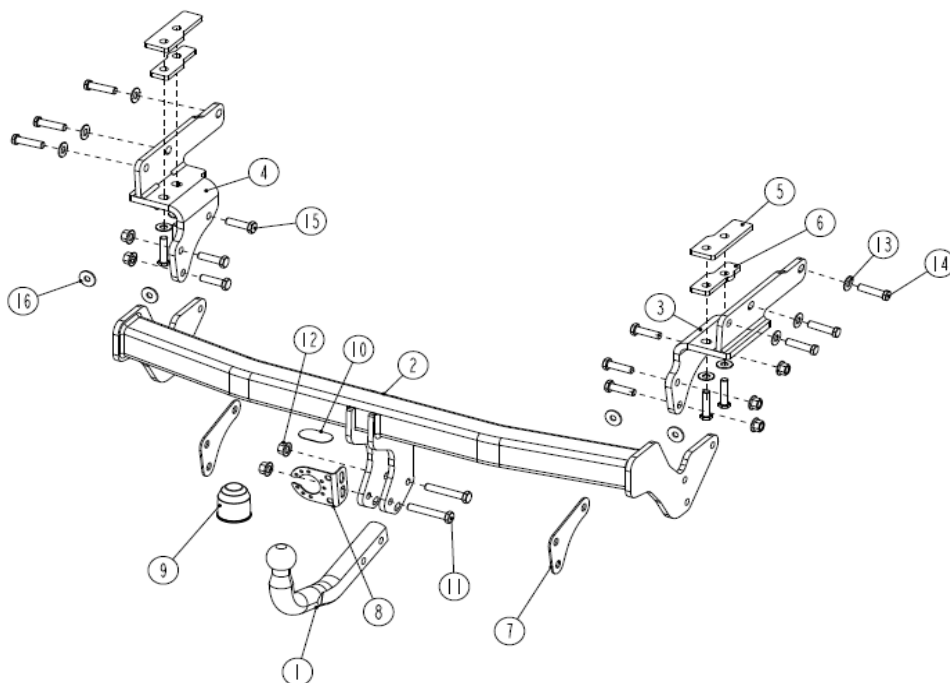
B



Fitting instructions

Nissan P33A Fixed

Type: 6887
 GVW: 2535 kg
 GTW: 2000 kg
 D-value: 10,72 kN
 S-value: 100 kg
 Approval No: E11 55R - 02 11924
 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.: 22-00015-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*11924*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 : 6887
Verbindungseinrichtung nicht genormte Kupplungskugel 50
Type of the coupling device Non-standard coupling ball 50
- 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. : 6887
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
Description Non-standard coupling ball 50
- 1.2. Kennzeichnung : 6887-1-49-21
Marking
- 1.3. Bemerkungen : --
Remarks
- 1.4. Worst-Case-Auswahl : Da die Prüfung an dem Typ 6887 durchgeführt
 Worst-case selection wurde, ist eine Worst-Case Betrachtung nicht
 erforderlich.
*Because the test was performed on the type 6887,
 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 kN
Calculated D-value:
 Prüfwinkel α : + 15°
Angle of test load α :
 Prüffrequenz: 9 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 : 07.12.2021 (dynamisch / *dynamic*)
Date of testing 11.06.2010 (statisch / *static*)

Prüfort : Staphorst
Location of testing

3. Anlagen Appendices

Beschreibungsbogen : 6887 bestehend aus Beschreibungsbogen,
Information document Zeichnungen, Einbauanleitung (18 Seiten).
6887 consisting of Information document,
Drawings, Fitting instructions (18 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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Vehicle Certification Agency (VCA)	Vereinigtes Königreich <i>United Kingdom</i>	VCA-TS-006
Approval Authority of the Netherlands (RDW)	Niederlande <i>The Netherlands</i>	RDWT-082-XX
National Standards Authority of Ireland (NSAI)	Irland <i>Ireland</i>	Technical Service Number: 49
Vehicle Safety Certification Center (VSCC)	Taiwan/Taiwan	DE04-06-2
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

