

ECE TYPE-APPROVAL CERTIFICATE

Communication concerning the approval extended of a type of mechanical coupling device or component pursuant to Regulation No.55.



Approval No: **E24 55R-010271**

Extension No: **02**

Reason for extension:

***Changed mounting plates
(side members)
Increase of D value
Increase of vehicle masses***

1. Trade name or mark of the device or component: ***SIARR / Westfalia / Monoflex***
2. Manufacturer's name for the type of device or component: ***SII75***
3. Manufacturer's name and address: ***S.I.A.R.R. SAS,
rue du General de Gaulle
F-76810 Luneray,
France.***
4. If applicable, name and address of the manufacturers representative: ***N/A.***
5. Alternative supplier's names or trade marks applied to the device or component: ***N/A.***
6. Name and address of the company or body taking responsibility for the conformity of production: ***See 3. above***
7. Submitted for approval on: ***03.03.2016***
8. Technical service responsible for conducting approval tests: ***TÜV SÜD Auto Service GmbH,
Westendstraße 199,
D-80686 München,
Germany.***

9. Brief description

9.1 Type and class of device or component:

Class: A50-X
Type: SI175
(Non-standard coupling ball 50)

9.2 Characteristic values

9.2.1 Primary values:

D: **6.76 kN**
Dc: --
S: **75 kg**
U: --
V: --

Alternative values:

D: **6.76 kN**
Dc: --
S: **75 kg**
U: --
V: --

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

Vehicle manufacturer's maximum permissible vehicle mass: **1720 kg**

Distribution of maximum permissible vehicle mass between the axles: **Front: 800 to 1000 kg**
Back: 700 to 900 kg

Vehicle manufacturer's maximum permissible towable trailer mass: **1150 kg**

Vehicle manufacturer's maximum permissible static mass on coupling ball: **75 kg**

Maximum mass of vehicle, with bodywork, in running order, including coolant, oils, fuel, tools and spare wheel (if supplied)but not including driver: **1300kg**

10. Instructions for the attachment of the coupling device or component type to the vehicle and photographs or drawings of the mounting points given by the manufacturer


See manufacturer's 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:

N/A.

Approval No: E24 55R-010271

Extension No:02

12. Additional information where the use of coupling device or component is restricted to special types of vehicles - see annex 5, paragraph 3.4 : *See manufacturer's documentation.*
13. For Class K hook type couplings, details of the drawbar eyes suitable for use with the particular hook type: *N/A*
14. Date of test report: *As before and 03.03.2016*
15. Number of test report: *12-00237-CX-GBM up to 02.*
16. Approval mark position: *Manufacturer's plate on socket, riveted.*
17. Reason(s) for extension of approval: *N/A*
18. Approval ~~granted~~/extended/~~refused~~/~~withdrawn~~: *Extended*
19. Place: *Dublin*
20. Date: *24th March, 2016*
21. Signature: 
22. The list of documents deposited with the Administration Service which has granted approval is annexed to this communication and may be obtained on request.



Index to the Information Package

Date of issue: *16th April, 2012.*

Date of latest amendment: *24th March, 2016*

Reason for extension/revision: *Changed mounting plates(side members)
Increase of D value*

1. Additional conditions, and advisory notes on legal alternatives.

2. Test report(s)

- numbers(s): *12-00237-CX-GBM up to 02*

- date of issue: *30.03.2012*

- date of latest amendment: *03.03.2016*

3. Information document

- number(s): *SI175 up to 02*

- date of issue: *26.03.2012*

- date of latest amendment: *03.03.2016*

Documentation: *13 pages*

Appendix: **Additional conditions, and advisory notes on legal alternatives**

A: Additional conditions:

1. The attached technical report, with any of its attachments, forms part of this Type Approval certificate.
2. Each type from series production shall be to the measurements specified in the attached drawings, and shall be manufactured only from the materials specified in the Approval documents.
3. Changes in the type are permitted only with the explicit permission of NSAI. Breaches of this requirement will lead to a withdrawal of the Type Approval, and in addition may be subject to criminal prosecution.
4. At regular intervals, any tests or associated checks prescribed by the applicable legislation to verify continued conformity with the approved type shall be carried out. The manufacturer shall demonstrate compliance with this by submitting to NSAI evidence of adequate arrangements and documented control plans for each type approved.
5. Any set of samples or test pieces showing evidence of non-conformity shall give rise to further sampling and testing and all steps shall be taken to restore conformity of production.
6. This Type Approval will expire when it is surrendered by the holder, or withdrawn by NSAI, or when the approved type no longer conforms to legal requirements. The recall of the Type Approval can be issued by NSAI when the conditions required for the issuing or continuation of the Type Approval are no longer current, or when the Approval holder is in breach of the duties attached to the Type Approval, or when it is established that the approved type no longer meets the requirements of traffic safety.
7. Changes in the company name, address or manufacturing site, as well as in any of the sales or other agents specified in the issuing of the approval must immediately be notified to NSAI.
8. The duties imposed by the issuing of this certificate are not transferable. The legal protection of third parties is not affected by this certificate.
9. When the manufacture or sale of the system, component or separate technical unit has not been started within one year of the date of issue of this certificate, then NSAI is to be informed. This requirement also applies when the manufacture or sale has been halted for more than one year, or when it ought to have been halted for more than one year. The initial commencement of manufacture or sale, or the resumption of manufacture or sale, shall then be notified to NSAI within one month of commencement or resumption.

B: Legal Options:

Any objection to the requirements set out in this certificate shall be made within one month of the date of issue. The objection shall be made, in writing, to NSAI in Dublin.



Prüfbericht / <i>Test Report</i> :	12-00237-CX-GBM-02	AS-CRC-KS
Hersteller / <i>Manufacturer</i> :	S.I.A.R.R. SAS	ECE R55-01
Typ / <i>Type</i> :	SI175	Seite/Page 1 von/of 5

Prüfbericht zur Erlangung eines Nachtrages zu einer Genehmigung nach ECE R55

Test Report for an addendum to an approval according ECE R55

Nr.: 12-00237-CX-GBM-02

Gemäß dem Übereinkommen über die
Annahme Einheitlicher Technischer
Vorschriften für Radfahrzeuge,
Ausrüstungsgegenstände und Teile, die in
Radfahrzeuge(n) eingebaut und/oder
verwendet werden können, und die
Bedingungen für die gegenseitige
Anerkennung von Genehmigungen, die
nach diesen Vorschriften erteilt wurden

*Agreement concerning the adoption of uniform
technical prescriptions for the wheeled
vehicles, equipment and parts which can be
fitted and/or be used on wheeled vehicles and
the conditions for reciprocal recognition of
approvals granted on the basis of these
prescriptions*

Einheitliche Bedingungen für die Genehmigung von mechanischen Verbindungseinrichtungen von miteinander verbundenen Fahrzeugen(Bauteilprüfung)

*uniform provisions concerning the approval of mechanical coupling components of combinations of
vehicles
(component test)*

ECE R55

zuletzt geändert durch 01
einschließlich Ergänzung 04

*as last amended by 01
supplement 04*

Genehmigungsstand <i>Approval status</i>	
ECE	Genehmigungsnummer <i>Number of approval</i>
	E24 55R-01 0271

Grund des Nachtrages:
Reason for extension:

- geänderte Montageplatten (Seitenteile)
- D-Wert erhöht
- Fahrzeuggewichte erhöht
- *changed mounting plates (side members)*
- *increase of D-value*
- *increase of vehicle masses*



Prüfbericht / <i>Test Report</i> :	12-00237-CX-GBM-02	AS-CRC-KS
Hersteller / <i>Manufacturer</i> :	S.I.A.R.R. SAS	ECE R55-01
Typ / <i>Type</i> :	SI175	Seite/Page 2 von/of 5

0. Allgemeine Angaben
General

- 0.1. Fabrikmarke : **SIARR - Westfalia - Monoflex**
(Firmenname des Herstellers)
Make (trade name of manufacturer)
- 0.2. Typ und Bauart der : SI175;
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 : S.I.A.R.R. Sas
Herstellers rue du General de Gaulle
Manufacturer's name and address F - 76810 Luneray
- 0.5. Beschreibungsbogen
Information document
- Nr. : SI175/02
No.
- Ausgabedatum : 03.03.2016
Date of issue
- 0.6. Kennwerte D = 6,76 kN
Characteristic values
S = 75 kg



Prüfbericht / <i>Test Report</i> .:	12-00237-CX-GBM-02	AS-CRC-KS
Hersteller / <i>Manufacturer</i> :	S.I.A.R.R. SAS	ECE R55-01
Typ / <i>Type</i> :	SI175	Seite/Page 3 von/of 5

1. Prüfgegenstand
Testobject

- 1.1. Beschreibung : nicht genormte Kupplungskugel 50;
Description non standard coupling ball 50,
- 1.2. Kennzeichnung : SI175
Marking
- 1.3. Bemerkungen : ---
Remarks

2. Prüfprotokoll
Test record

- 2.1 Prüfbedingungen : ---
Test conditions
- 2.1.1 Meß- und Prüfeinrichtungen : Hydropulsanlage
Equipment for measuring and Hydropulse test bench
testing
- 2.1.2 Prüfparameter : Resultierende Prüfkraft (Wechselast) : $\pm 4,06$ kN
Parameter of the test Test load F (alternating load) :
- Prüfwinkel α : + 15°
Angle of test load α :
- Prüffrequenz: 12 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 Befestigungspunkt (60 sec.) : 15 kN
Static test on secondary coupling (60 sec)



Prüfbericht / <i>Test Report</i> :	12-00237-CX-GBM-02	AS-CRC-KS
Hersteller / <i>Manufacturer</i> :	S.I.A.R.R. SAS	ECE R55-01
Typ / <i>Type</i> :	SI175	Seite/Page 4 von/of 5

2.2. Prüfergebnisse *Test Results*

Ergebnis der Untersuchungen <i>Result of the tests</i>	: Nach den genannten Prüfungen wurden keine Brüche, Risse oder übermäßigen Verformungen festgestellt (Farbeindringprüfung). <i>The test sample withstood the dynamic fatigue test and the static test without cracks checked by penetrating means.</i>
Montage- und Betriebsanleitung <i>Installation and operating instructions</i>	: Die Montage- und Betriebsanleitung enthält ausreichende Informationen zur Montage und zum ordnungsgemäßen Betrieb. <i>The installation and operating instructions contain sufficient information for mounting and duly operation.</i>

2.3. Allgemeine Angaben *General information*

Datum der Prüfung <i>Date of testing</i>	: 05.10.2010 / 14.06.2010 (statisch / <i>static</i>) Woche / <i>Week</i> 09/2016 (dynamisch / <i>dynamic</i>)
Prüfort <i>Location of testing</i>	: Luneray

3. Anlagen *Appendices*

1. Beschreibungsbogen <i>Information document</i>	: SI175/02
2. Gesamtzeichnung: <i>Main drawing</i>	1 Blatt <i>1 page</i>
3. Verzeichnis der Hersteller- unterlagen <i>Index of information documents</i>	: 1 Blatt <i>1 page</i>
4. Herstellerunterlagen <i>Information documents</i>	: Gemäß Verzeichnis <i>according to index</i>
5. Sonstige Anlagen <i>Further Appendices</i>	: ---



Prüfbericht / <i>Test Report</i> ..:	12-00237-CX-GBM-02	AS-CRC-KS
Hersteller / <i>Manufacturer</i> :	S.I.A.R.R. SAS	ECE R55-01
Typ / <i>Type</i> :	SI175	Seite/Page 5 von/of 5

4. Schlussbestätigung
Statement of conformity

Die unter Ziffer 0.5. angegebene Beschreibungsmappe und der darin beschriebene Typ entsprechen der genannten Prüfgrundlage. Der ungünstigste Fall wurde entsprechend Prozessbeschreibung „Erstellung von Gutachten“ bestimmt.

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

The information folder as mentioned under No. 0.5. and the type described therein are in compliance with the test specification mentioned above. The worst-case was selected in accordance with document “Preparation of Test Reports”.

The test report may be reproduced and published in full and by the client only. It can be reproduced partially with the written permission of the test laboratory only.

Benannt als Technischer Dienst durch:
designated as Technical Service by:

Genehmigungsbehörde/ Approval authority	Land/Country	Registriernummer/ Registration-number	Aktueller Benennungsumfang/ Actual scope list
Kraftfahrt-Bundesamt (KBA)	Deutschland/ Germany	KBA-P 00100-10	www.kba.de
Vehicle Certification Agency (VCA)	Vereintes Königreich/ United Kingdom	VCA-TS-006	http://ec.europa.eu/enterprise/ sectors/automotive/approval- authorities-technical- services/technical- services/index_en.htm
Approval Authority of the Netherlands (RDW)	Niederlande/ The Netherlands	RDWT-082-01	
National Standards Authority of Ireland (NSAI)	Irland/ Ireland	Technical Service Number: 49	
Vehicle Safety Certification Center (VSCC)	Taiwan/ Taiwan	DE04-06-2	http://www.vsc.org.tw/English/Default.aspx

Graser



München, 03.03.2016 pk

Albert Graser

Information Document No **SI175**

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

0. **GENERAL**

- 0.1. Make (trade name of manufacturer): **SIARR – Westfalia - Monoflex**
- 0.2. Type and commercial description(s): **SI175**
- 0.5. Name and address of manufacturer: **S.I.A.R.R. SAS; 76810 LUNERAY, France**
- 0.7. In the case of components and separate technical units, location and method of affixing of the EEC approval mark: manufacturer's plate on socket plate, riveted
- 0.8. Address(es) of assembly plant(s): **S.I.A.R.R. SAS,
F-76810 LUNERAY**

1. **CONNECTIONS BETWEEN DRAWING VEHICLE AND TRAILERS AND SEMI-TRAILERS**

- 1.1. Detailed technical description (including drawings and material specifications) of the type of the mechanical coupling device: * **For the towbar with the RLD ball: see the drawing N° BX52ph2**
- 1.2. Class and type of the coupling device(s): **A50-X**
- 1.3. Maximum D-value (1): **6,76 kN**
- 1.4. Maximum vertical load S at the coupling (1): **75 kg**
- 1.5. Maximum load U at the fifth wheel coupling (1): **not applicable**
- 1.6. Maximum V-value (1): **not applicable**
- 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 use of the coupling type is restricted to special types vehicles: **See manufacturer's documentation.**
- 1.8. Information of the fitting of special towing brakes or mounting plates (1): **not applicable**

03.03.2016

Information to item 9. of ECE R55.01 annex 1:

9.1. Type and class of device or component:

SI175 A50-X

9.2. Characteristic values:

9.2.1. Primary values:

D 6.76 kN S 75 kg

Alternative values:

D 6.76 kN S 75 kg

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

Vehicle manufacturer's maximum permissible vehicle mass:

1720 kg

Distribution of maximum permissible vehicle mass between the axles:

Front: from 800 to 1000 kg / Back: from 700 to 900 kg

Vehicle manufacturer's maximum permissible towable trailer mass:

1150 kg

Vehicle manufacturer's maximum permissible static vertical load on coupling ball:

75 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:

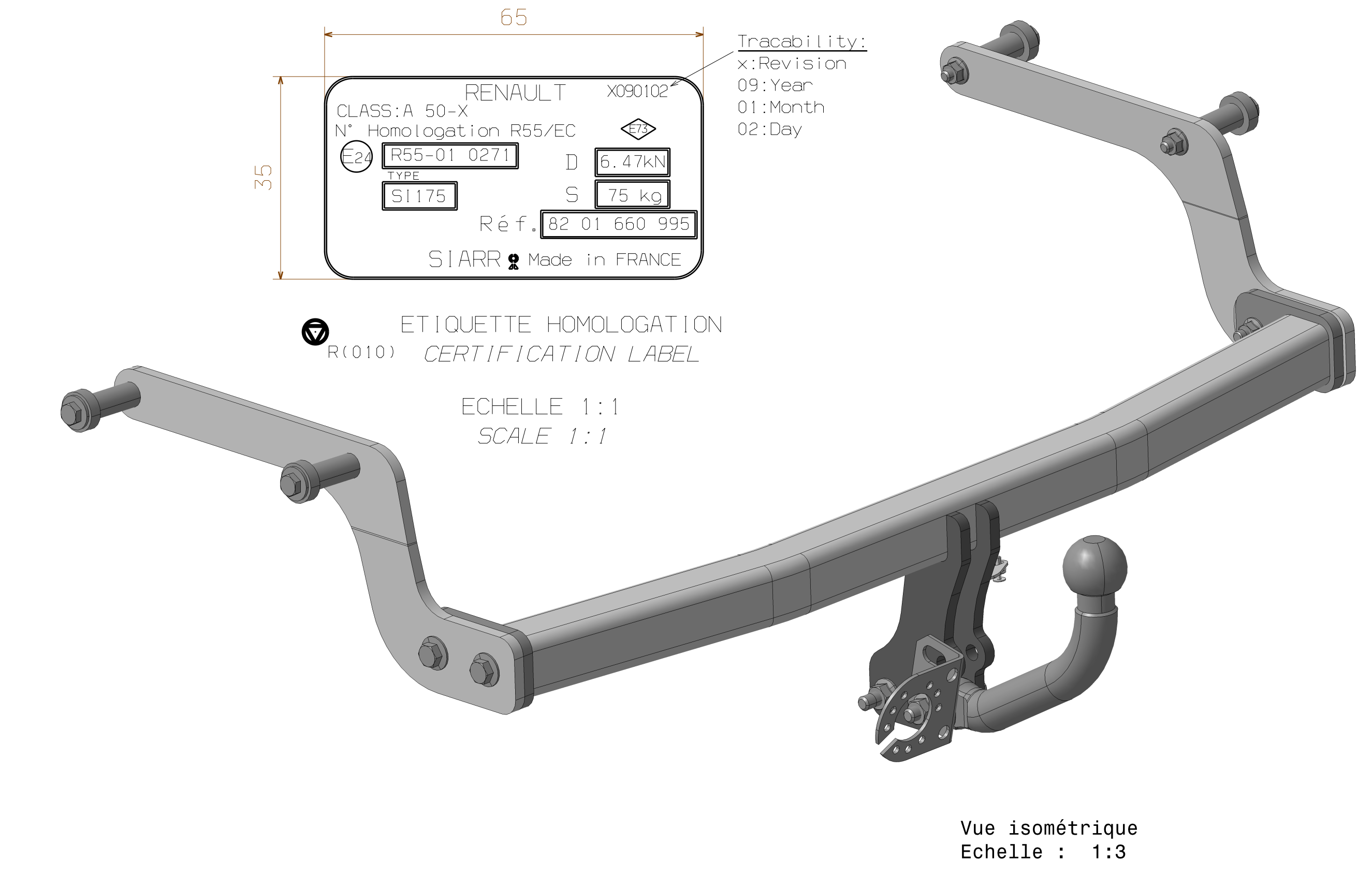
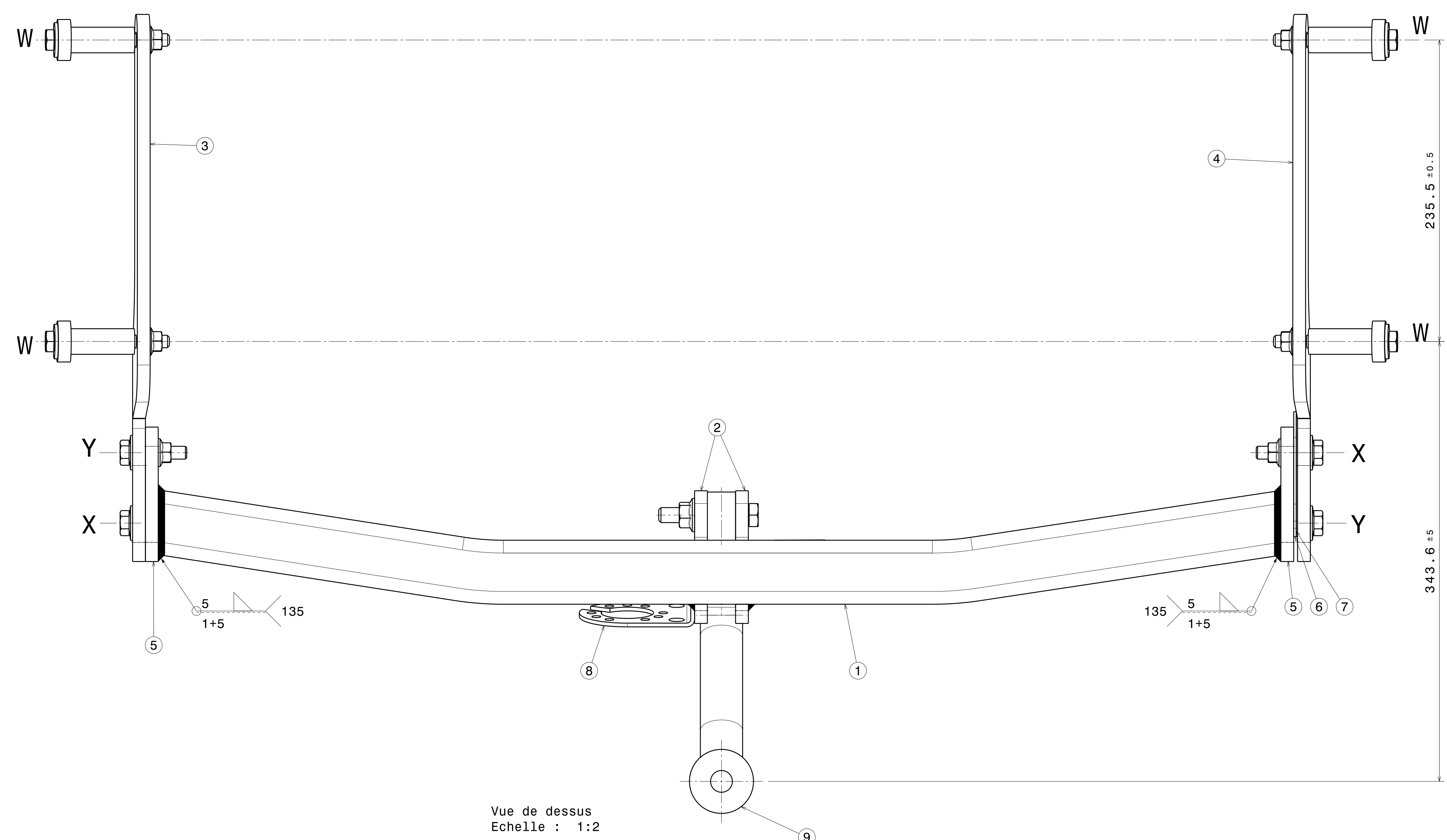
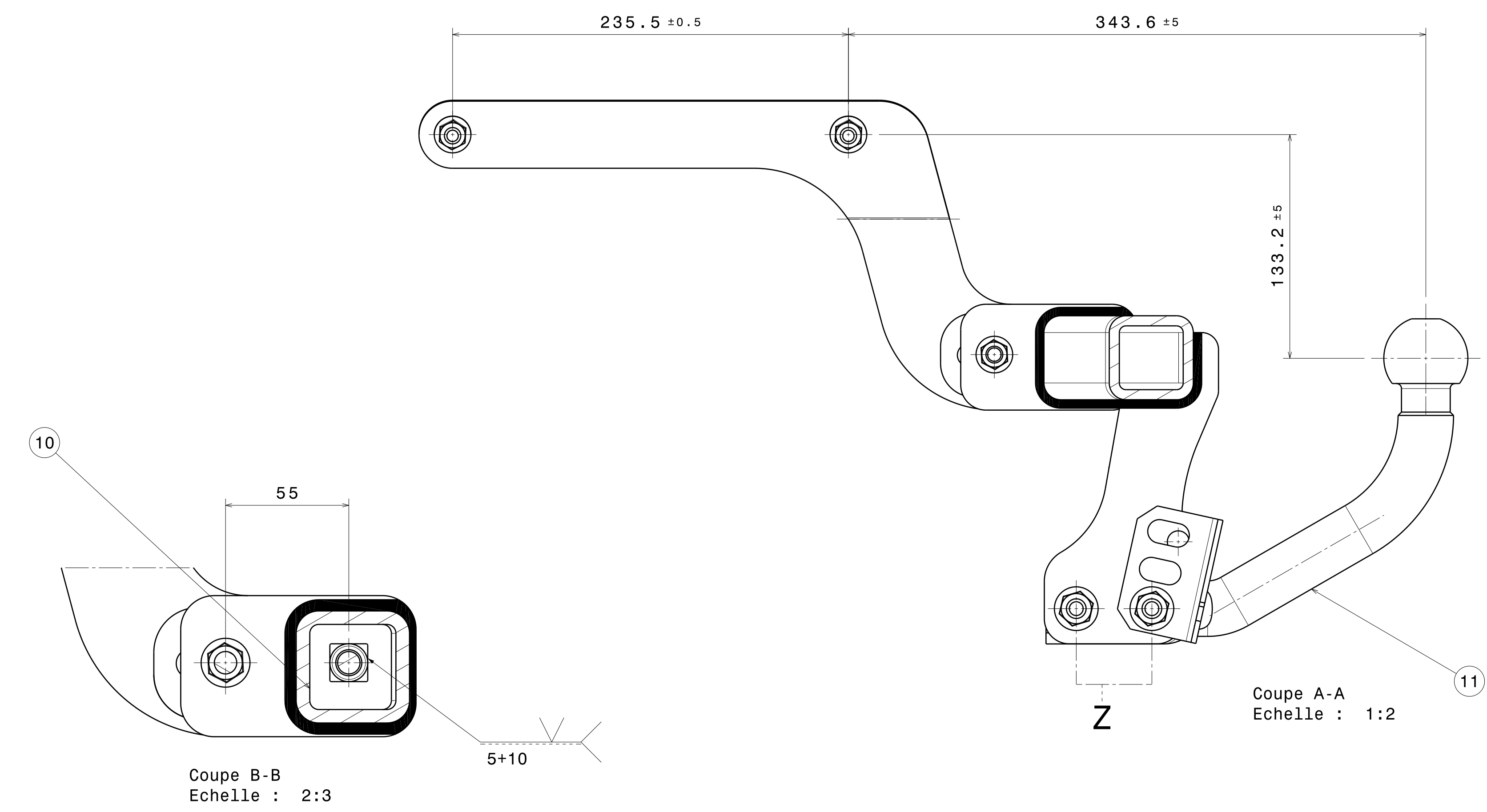
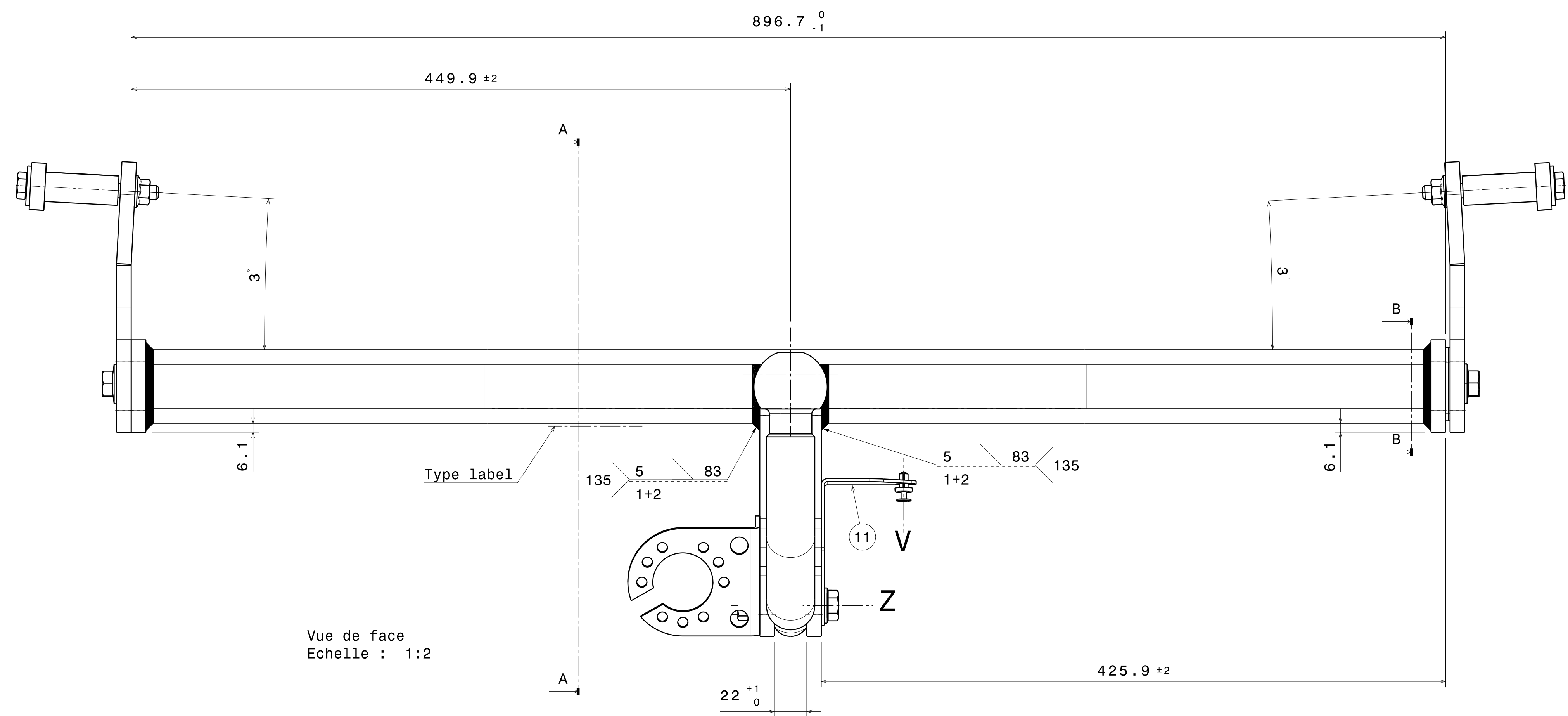
1300 kg

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:

Dimensions given by the vehicle manufacturer

REV	DATE	DESCRIPTION	INIT
A	17/07/2014	Changement rotule (D88 -> 111079)	K.L.
B	22/12/2015	Attelage phase2 - Carry-over ph1 (Boule X*3/2-8)	K.L.



V	Plasti rivet 7703072361		1
W	Vis HM10x90	C1 8.8	4
	Rondelle plate Ø10.5/Ø27		4
	Rondelle mousse Ø20/Ø32 ep10mm		4
	Ecrou à embase M10	C1 8.8	4
	Entretoise Ø10.5/Ø20 L=60		4
X	Vis HM10x40	CL 8.8	2
	Rondelle CS10		2
	Ecrou à embase M10	C1 8.8	2
Y	Vis HM10x40	CL 8.8	2
	Rondelle CS10		2
Z	Vis HM12x60	C1 8.8	2
	Ecrou à embase M12	C1 8.8	2
	Rondelle Ø12x24		1

Ref	Désignation	Matériau	Poids (kg)	Quantité
11	Patte fixe Ep2mm	S235JR	0.056	1
10	Ecrou soudé M10		0.011	2
9	Rotule CDC	S355	2.43	1
8	Support prise 10002	S235JR	0.151	1
7	Cale de jeu Ep 1mm	S235JR	0.031	2
6	Cale de jeu Ep 2mm	S235JR	0.061	2
5	Support bras (commun B52)	S235JR	0.49	2
4	Bras droit	S235JR	1.98	1
3	Bras gauche	S235JR	1.98	1
2	Support rotule	S355MC	0.78	2
1	Traverse 50x50x6 (commun B52)	S235JR	6.93	1

LA COUPE EST EFFECTUÉE SELON LA COTATION DE DÉMONTAGE. L'ÉVALUATION DE LA DÉMONTAGE SE RÉFÈRE À LA COTATION DE DÉMONTAGE. LA COUPE EST EFFECTUÉE SELON LA COTATION DE DÉMONTAGE. L'ÉVALUATION DE LA DÉMONTAGE SE RÉFÈRE À LA COTATION DE DÉMONTAGE.	ÉTATS DE SURFACE SURFACE FINISHES COTES SANS TOLÉRANCE COTES WITHOUT TOLERANCE + 1	ISO 4191 ISO 4198 ISO 10065 + ANGLES RONDING NON COTES NON DIMENSIONED RADIUS 5	SAUF INDICATIONS CONTRAIRES UNLESS OTHERWISE INDICATED
ISO 1988 ISO 1988 INF E 84-950 ISO 26670 1988 INF E 84-955 FEB 1982 ISO 5459 INF E 84-954 DEC 1980 ISO 5458-1987 INF E 84-959 FEB 1993 ISO 14678 INF E 84-958 JULY 1983 ISO 14679 INF E 84-955 OCT 1986 ISO 3846-1998 PARTIELLE INF E 84-957 DEC 1993	SURFACES USINÉES : IS 13 POUR ROBES, ALESAGES ET ASSIÈLES IS 14 POUR LES AUTRES US	PROFONDEUR IS 13 POUR SHAFTS, BORE AND SPINDLES IS 14 IN OTHER CASES	
	FILÈTRES : ISO QUALITÉ 6 TRAPING : ISO TRAPING QUALITY 6	SAUF INDICATIONS CONTRAIRES UNLESS OTHERWISE INDICATED	

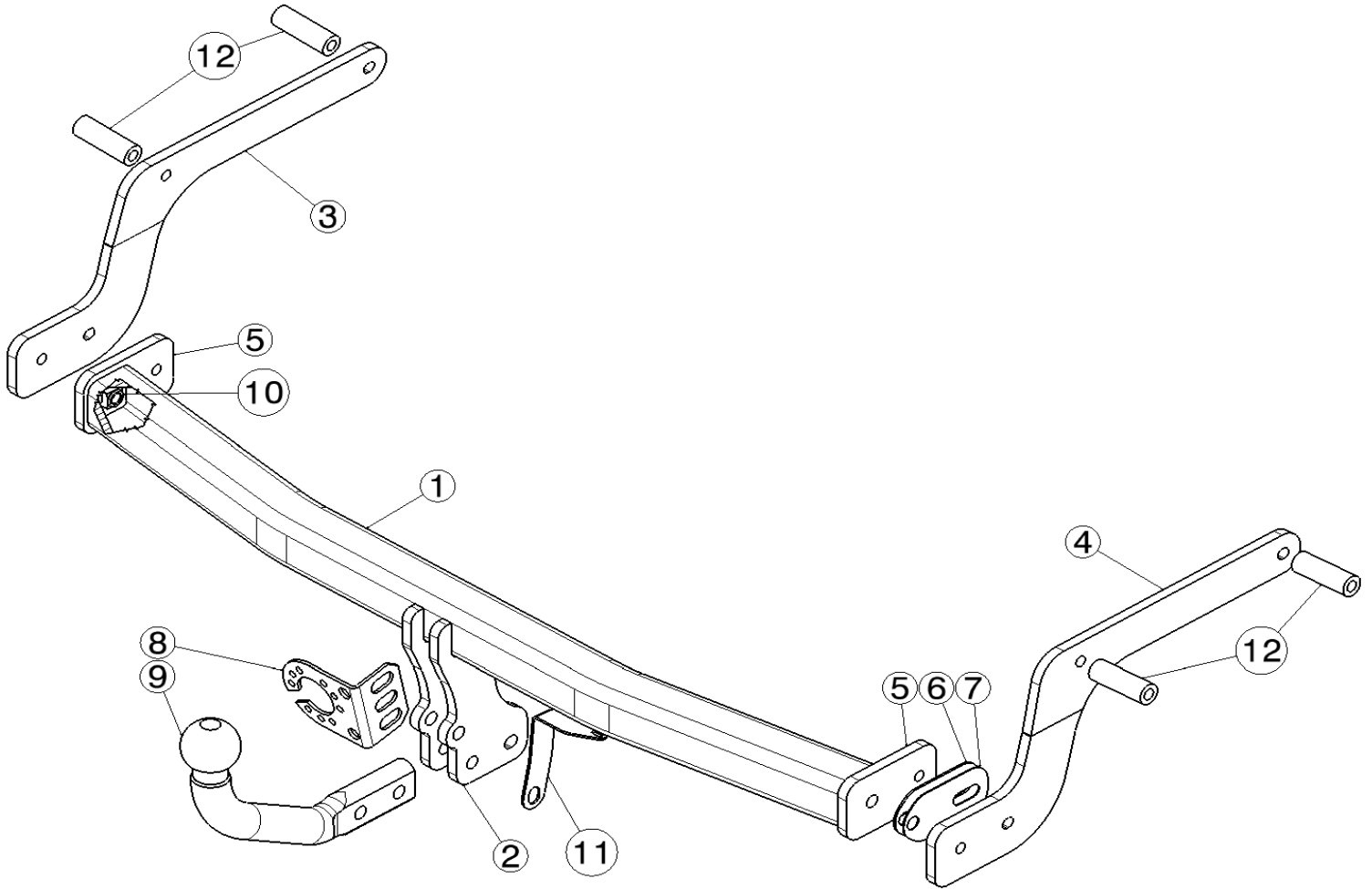
This drawing is our property. It can't be reproduced or communicated without our written agreement.		S.I.A.R.R	
DRAWN BY DELAUNAY FREDERIC	DATE 21/03/2015	DRAWING TITLE Attelage CDC BX52 ph2	
CHECKED BY XXX	SCALE xxx	DRAWING REFERENCE BX52ph2 CDC	Périmètre : XXX
		WEIGHT (kg) : 16,45	MATERIAL: Voir BOM

8201660995

SI175

Attelage CDC

BX52 ph2



8201660999

Traverse

+

8201661000

Kit visserie

8201660995
Epoxy Polyester

PIECES POUR:

Attelage CDC BX52 ph2

Réf plan : 8201660995

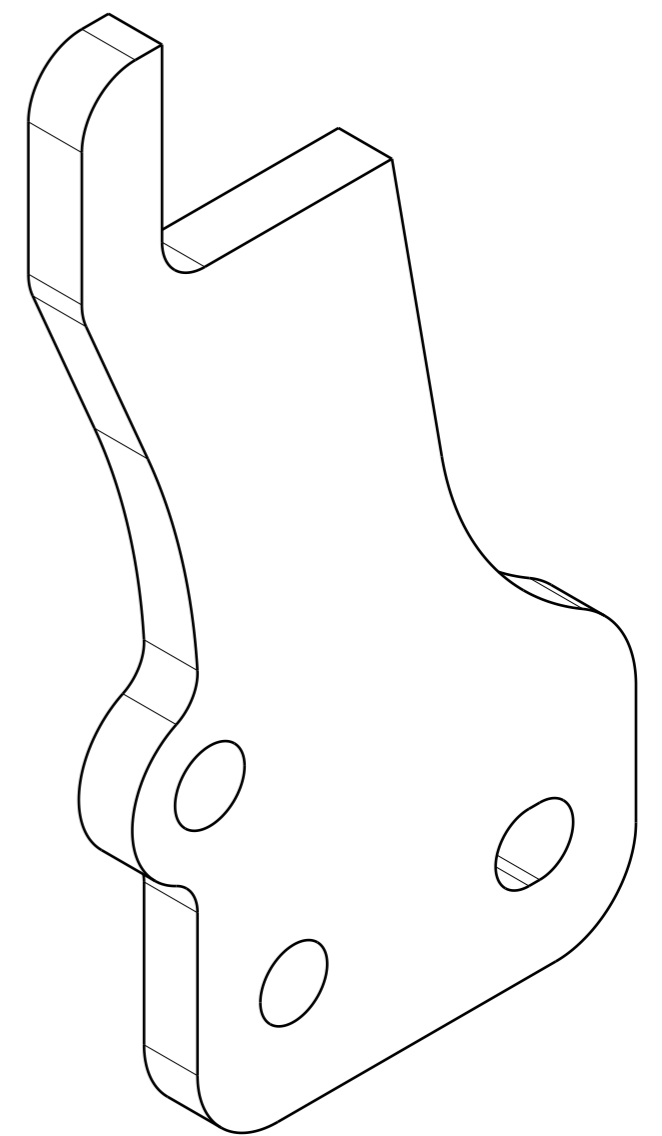
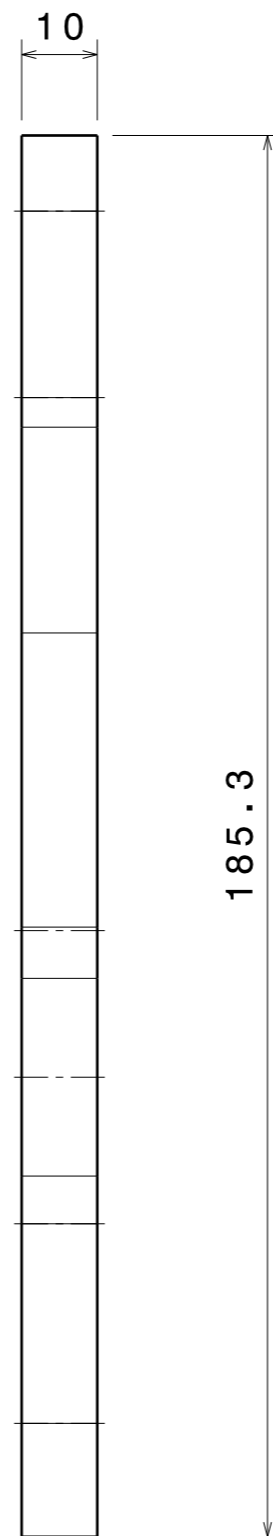
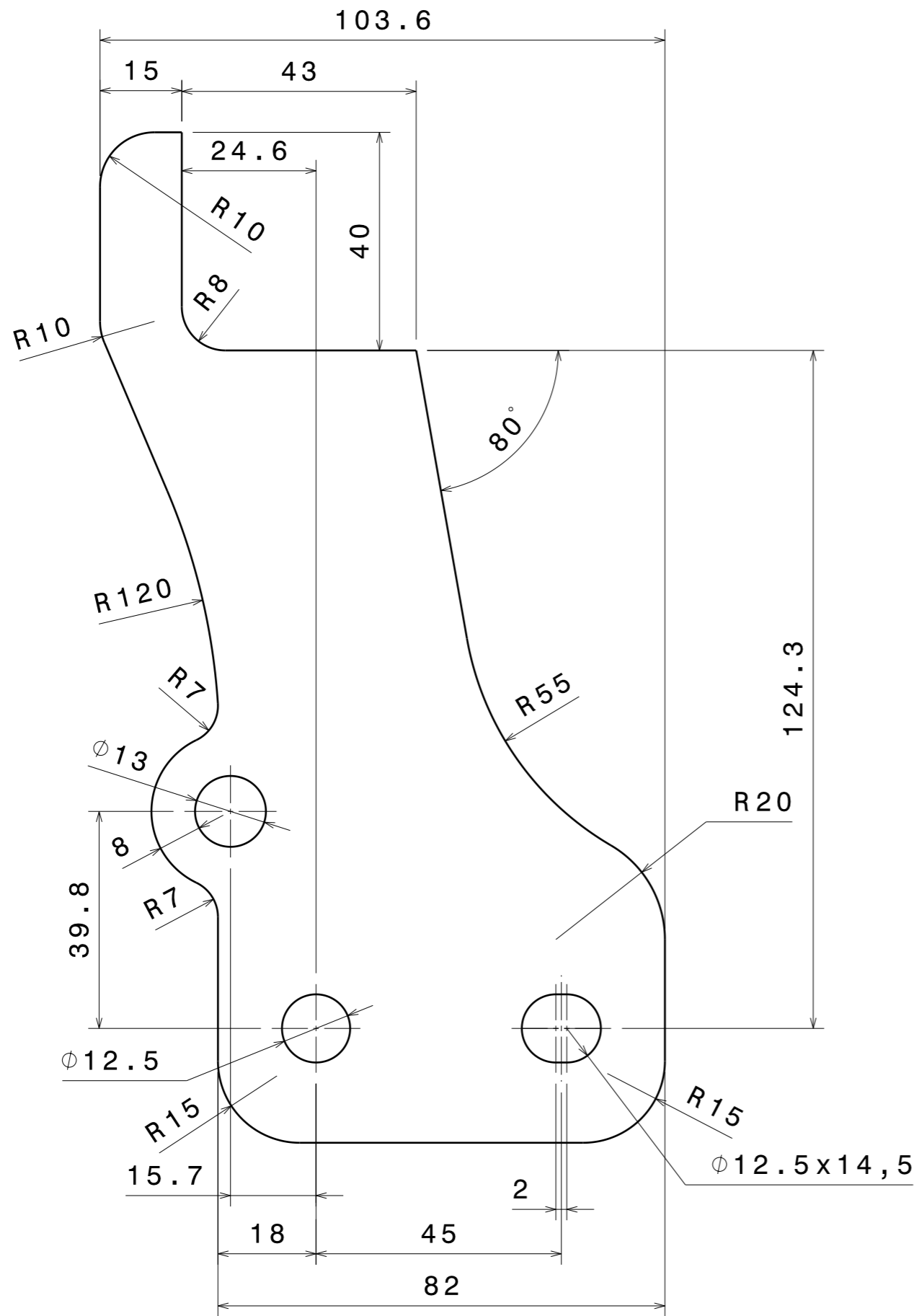
Dessiné le : 18/12/2015

Par : K. Laroche

15				
14				
13				
12	ENTRETOISE RF90B - 04146-L52-8B LG 60.5 DIAM.10.5X20 TRAIT Zr	S235JR	4	106010010030
11	Fixation pare-chocs Tôle ép. 2	S235JR	1	BX52ph2-08
10	ECROU CARRE A SOUDER M10-AC BR- DIN 928 K	Cl.10	2	5024401000
9	Rotule CDC	AF50	1	111079
8	Support prise 10002 Tôle ép. 3	S235JR	1	10002 B
7	Cale de jeu ép.1mm Bande refendue 110x1	S235JR	2	77114723035-16A
6	Cale de jeu ép.2mm Bande refendue 110x2	S235JR	2	77114723035-11A
5	Support bras Tôle ép. 10	S235JR	2	L-B-B52Cross - 06 et 07
4	Bras droit Tôle ép. 10	S235JR	1	BX52ph2-03
3	Bras gauche Tôle ép. 10	S235JR	1	BX52ph2-02
2	Support rotule Tôle ép. 10	S355MC	2	BX52ph2-09
1	Traverse Tube 50x50x6	S235JRH	1	B52-B52Cross -01
Rep.	DESIGNATION	Mat.	Nb	PLAN

H G F E D C B A

4
3
2
1



Vue isométrique
Echelle : 1:1

Tolérances générales ISO2768-mK

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our written agreement.

S.I.A.R.R

DRAWN BY Kévin Laroche	DATE 23/12/2015	DRAWING TITLE Support rotule	
	SIZE A3	DRAWING REFERENCE BX52ph2-09	Périmètre : 640,8 mm
CHECKED BY XXX	SCALE 1:1	WEIGHT (kg) : 0,75	MATERIAL : S355MC

DRAWING TITLE
Support rotule

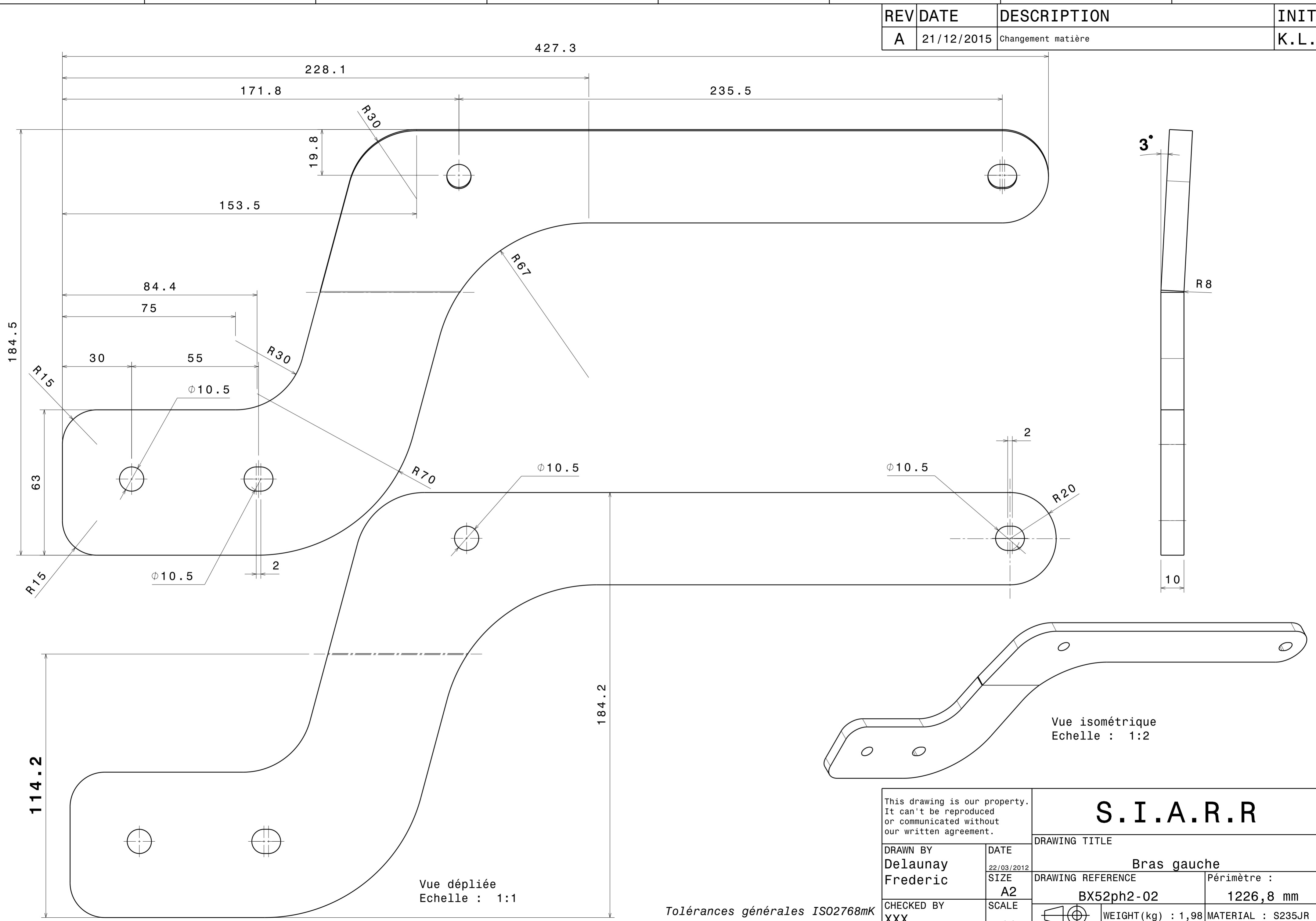
DRAWING REFERENCE
BX52ph2-09

WEIGHT (kg) : 0,75

MATERIAL : S355MC

H G B E24 55R-010271 Extn02 A

REV	DATE	DESCRIPTION	INIT
A	21/12/2015	Changement matière	K.L.



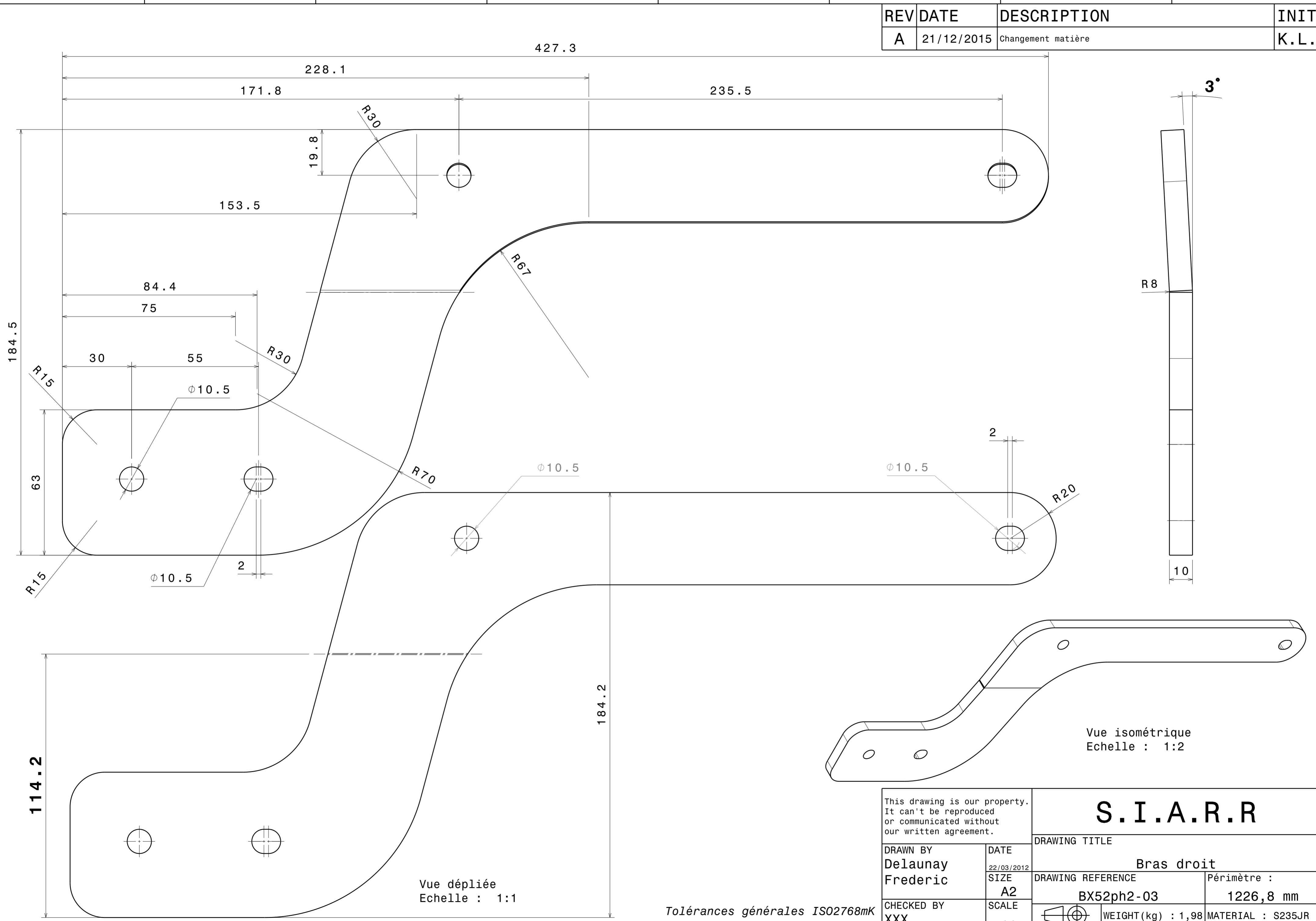
Vue dépliée
Echelle : 1:1

Vue isométrique
Echelle : 1:2

Tolérances générales ISO2768mK

This drawing is our property. It can't be reproduced or communicated without our written agreement.		S.I.A.R.R	
DRAWN BY Delaunay Frederic		DRAWING TITLE Bras gauche	
DATE 22/03/2012	SIZE A2	DRAWING REFERENCE BX52ph2-02	Périmètre : 1226,8 mm
CHECKED BY XXX	SCALE 1:1	WEIGHT(kg) : 1,98	MATERIAL : S235JR

REV	DATE	DESCRIPTION	INIT
A	21/12/2015	Changement matière	K.L.



Vue dépliée
Echelle : 1:1

Vue isométrique
Echelle : 1:2

Tolérances générales ISO2768mK

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DRAWN BY
**Delaunay
Frederic**

CHECKED BY
XXX

DATE 22/03/2012		DRAWING TITLE S.I.A.R.R	
SIZE A2	DRAWING REFERENCE BX52ph2-03		Périmètre : 1226,8 mm
SCALE 1:1	WEIGHT(kg) : 1,98	MATERIAL : S235JR	

H G F E D C B A

4

3

2

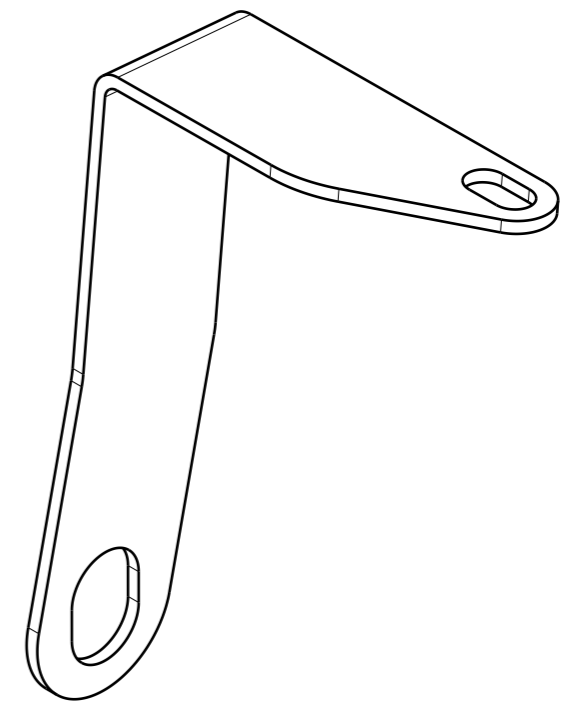
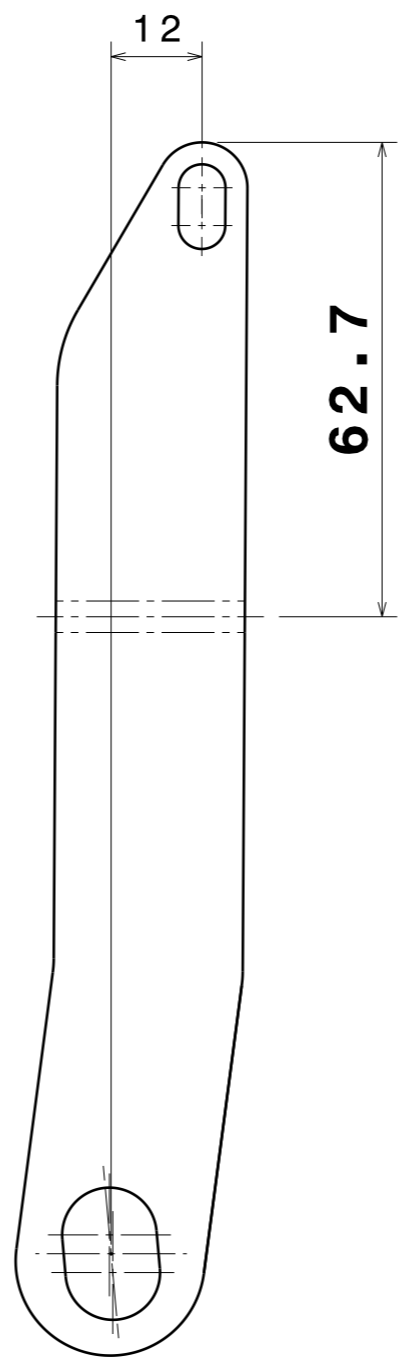
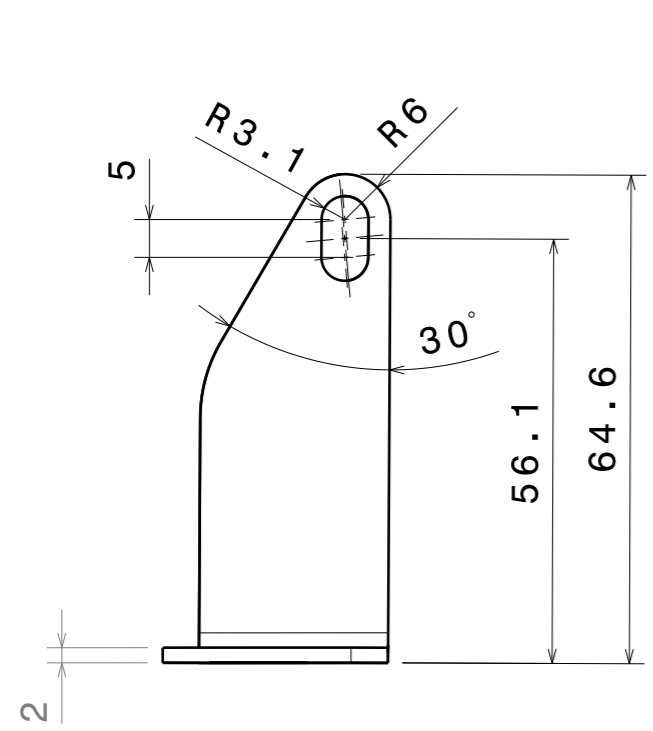
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4

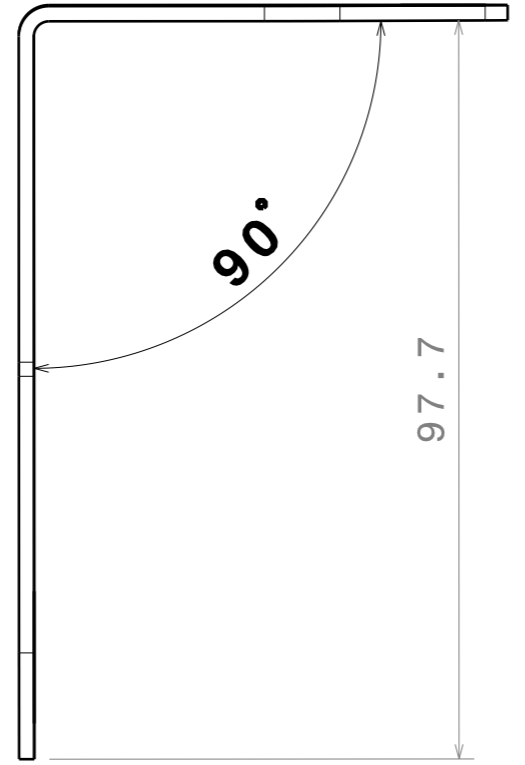
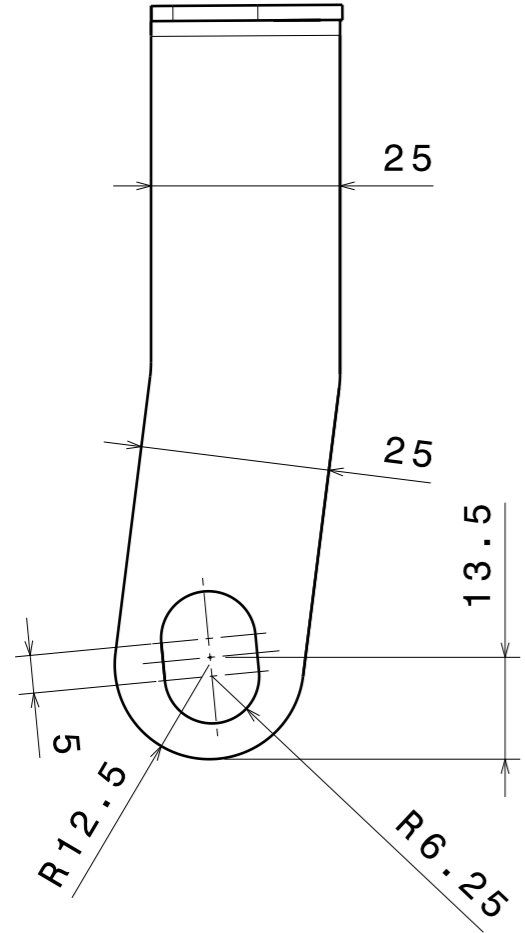
3

2

1



Vue isométrique
Echelle : 1:1



Vue dépliée
Echelle : 1:1

Tolérances générales ISO2768mK

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DRAWN BY Kévin Laroche		DRAWING TITLE Fixation pare-chocs	
DATE 21/12/2015	SIZE A3	DRAWING REFERENCE BX52ph2-08	Périmètre : 424,8 mm
CHECKED BY XXX	SCALE 1:1	WEIGHT (kg) : 0,06	MATERIAL : S235JR

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