



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING APPROVAL EXTENDED OF A TYPE OF MECHANICAL COUPLING
DEVICE OR COMPONENT, PURSUANT TO REGULATION NO 55.01



Approval No: E11*55R01/09*11722*01

1. Trade name or mark of the device or component: BRINK
2. Type of device or component:
6876
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: As before and 04 October 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: 6876; A50-X

9.2. Characteristic values:

9.2.1. Primary values:

D 7.43 kN

D_c 7.43 kN

S 75 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:

Vehicle manufacturer's maximum permissible vehicle mass: 2050 kg

Distribution of maximum permissible vehicle mass between the axles:

Front: 1028 kg

Rear: 1090 kg

Vehicle manufacturer's maximum permissible towable trailer mass: 1200 kg

Vehicle manufacturer's maximum permissible static mass 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: 1438 kg

Loading condition under which the tow ball height of a mechanical coupling device fitted to category M1 ⁽¹⁾ 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:
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: As before and 14 October 2021
15. Number of test report: 21-00179-CX-GBM-01
16. Approval mark position: Type plate on crossbeam
17. Reason(s) for extension of approval:
1) Updated status of the regulation
2) Changed masses in item 9.3. (permissible rear axle mass)
3) Updated drawings
18. Approval EXTENDED
19. Place: BRISTOL
20. Date: 23 OCTOBER 2021

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.

Any remarks: None

- (1) 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.



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11*55R01/09*11722*01

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: 01 (One)

Conformity of Production (COP) Declaration COP Confirmed

Assessment Method COP Audit

Date of Initial Clearance April 2013

Date of Last Clearance June 2021

Total number of sheets: 16 (Sixteen)

Reasons for Revision: See approval certificate

Revision Date
&
Office Stamp



Reason for Extension

Tow bar

Type : 6876
Approval number : E11*55R01/09*11722*01
Manufacturer : BRINK TOWING SYSTEMS B.V.

Reason for extension :
Changed D-value : [redacted] kN into [redacted] kN
Changed S-value : [redacted] kg into [redacted] kg

Other/additional: Change distribution of the MMAC on the back axle 1022 Kg into 1090Kg

Fitting instructions changed? No [redacted]
General drawing update? Yes [redacted] see drawing list

Staphorst,
4-10-2021

(place,date)



R. Koetsier
(technical service and signature)



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): 6876

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. 6876_01 of 29-9-2021, Version A

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

1.3 Maximum D-value (1): 7,43 kN

1.4 Maximum vertical load S at the coupling point (1): 75 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 687675 dated 17-6-2021

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

Staphorst, 4-10-2021



Additional information regarding item 9. of ECE R55.01 Annex 1

0 GENERAL

Make (trade name of Manufacture): Brink.

Type and commercial description(s): 6876

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 7,43 kN S 75 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: 2050 kg

Distribution of maximum permissible vehicle mass between the axles: Front 1028 kg
Back 1090 kg

Vehicle manufacturer's maximum permissible towable trailer mass: 1200 kg

Vehicle manufacturer's maximum permissible static vertical mass 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: 1438 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:



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:	6876_01	Sheet	2 of 5	from 23-4-2021	Version	A		29-9-2021	Update of drawing, part don't changed
-1 drawing nr:	6876_01	Sheet	3 of 5	from 23-4-2021	Version	A		29-9-2021	Update of drawing, part don't changed
-1 drawing nr:	6876_01	Sheet	5 of 5	from 23-4-2021	Version	A		29-9-2021	Update of drawing, part don't changed
-1 drawing nr:	6876_02	Sheet	1 of 1	from 6-4-2021	Version	B		17-6-2021	
-1 drawing nr:	6876_04	Sheet	1 of 1	from 20-2-2020	Version	A		25-6-2020	
-1 drawing nr:	6876_05	Sheet	1 of 1	from 6-4-2021	Version	A		6-4-2021	
-1 drawing nr:	6876_07	Sheet	1 of 1	from 6-4-2021	Version	A		6-4-2021	
-1 drawing nr:	687660	Sheet	1 of 1	from 10-5-2021	Version	B		31-5-2021	
-1 drawing nr:	5489-08	Sheet	1 of 1	from 21-3-2012	Version	A			
-1 drawing nr:	5489-09	Sheet	1 of 1	from 1-8-2012	Version	A			
-1 drawing nr:	TH00002017	Sheet	1 of 2	from 15-2-2008	Version	A3			
-1 drawing nr:		Sheet	of	from					
-1 drawing nr:		Sheet	of	from					
-1 drawing nr:		Sheet	of	from					
-1 drawing nr:		Sheet	of	from					
-1 drawing nr:		Sheet	of	from					
-1 drawing nr:		Sheet	of	from					
-1 drawing nr:		Sheet	of	from					
-1 drawing nr:		Sheet	of	from					

Fitting instructions 687675 from 17-6-2021
 Alternative fitting instructions (optional): from

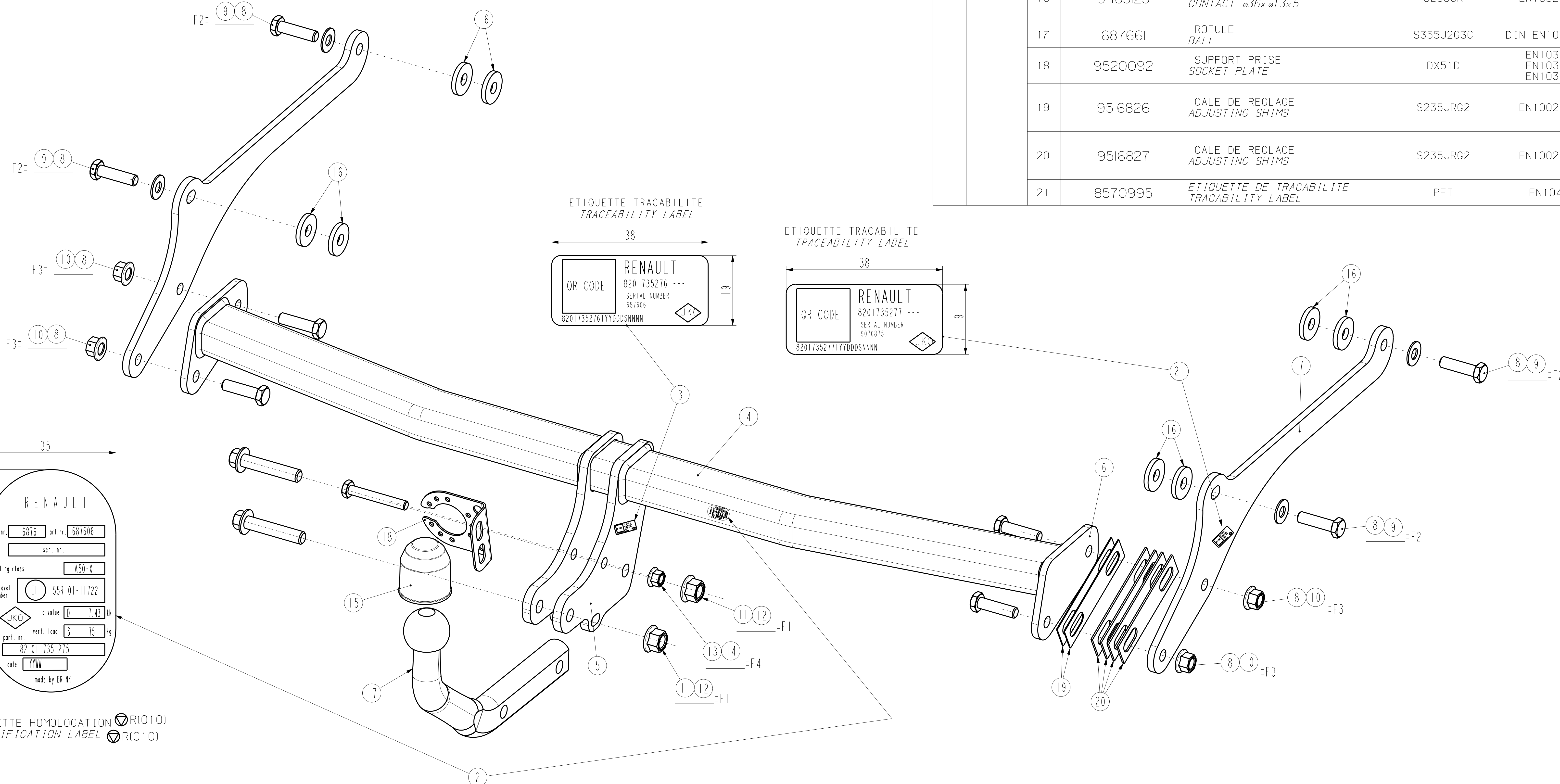
Confirmation



Ⓢ(R1010) **NOTE 12: TABLEAU DES FIXATIONS**
 Ⓢ(R1010) **NOTE 12: FIXATION TABEL**

Q	FIXATIONS SET SCREWS	COUPLE DE SERRAGE TIGHTENING TORQUE (N.m)	VISSAGE DE PRECISION SCREWING PRECISION (%)
F1	2 VIS HM14X70 ; ECRU HM14; SCREW HM14X70; NUT HM14;	185	+/- 15
F2	4 VIS HM12X45; RONDELLE CONTACT M12; RONDELLE ø36xø13x5; RONDELLE ø36xø13x5 SCREW HM12X45; CONTACT WASHER M12; WASHER ø36xø13x5; WASHER ø36xø13x5	110	+/- 15
F3	4 VIS HM12X45; ECRU HM12; SCREW HM12X45; NUT HM12;	110	+/- 15
F4	1 VIS HM10X70; ECRU HM10; SCREW HM10X70; NUT HM10;	62	+/- 15

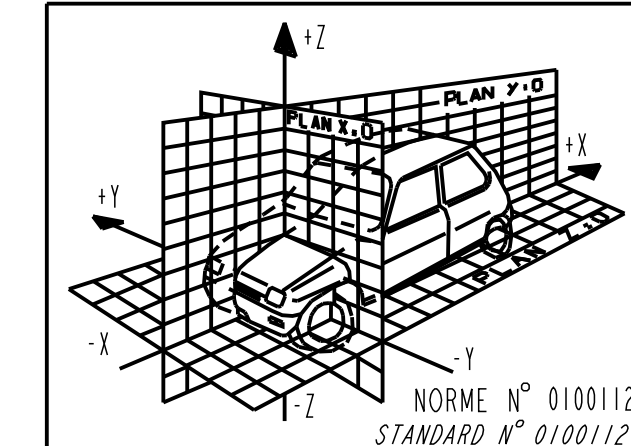
REFERENCE	KIT KIT	NO. PIECE PART NO.	REFERENCE FOURNISSEUR SUPPLIER'S LIEFERANT	DESIGNATION DESIGNATION	MATERIEL ET ETAT LIVRAISON MATERIAL AND DELIVERY STATUS	NORME STANDARD	CARACTERISTIQUES MECANIQUES ET TRAITEMENT MECHANICAL CHARACTERISTICS AND TREATMENT	EPAISSEUR THICKNESS	CARACTERE CHARACTER	VISIBILITEE VISIBILITY	MASSE WEIGHT (kg)	QUANTITE QUANTITY
8201735276	TRAVERSE CROSSTUBE	1	MAG	SOUDURE WELDING	G3S11 M25-AR C0-6/4	ISO14175 ISO14341	-	-	Ⓢ(R1010)	VC	0.049	1
		2	8575001	ETIQUETTE HOMOLOGATION CERTIFICAT LABEL	PET	EN1043	-	-	Ⓢ(R1010)	VC	0	1
		3	8570995	ETIQUETTE DE TRACABILITE TRACABILITY LABEL	PET	EN1043	-	-	-	VA	0	1
		4	6876_04	TRAVERSE CROSS TUBE	S275J0H	EN10219-1	-	5.0	Ⓢ(R1010)	VC	6.906	1
		5	6876_02	SUPPORT ROTULE BALL PLATE	S420MC	EN10149-2	-	10.0	Ⓢ(R1010)	VC	1.150	2
		6	6876_05	PLAQUE DE FERMETURE CLOSING PLATE	S420MC	EN10149-2	-	8.0	Ⓢ(R1010)	VC	0.530	2
8201735277	VISSERIE FIXATION	7	6876_07	BRAS ARM	S420MC	EN10149-2	-	8.0	Ⓢ(R1010)	VC	1.623	2
		8	9412047	VIS HM12X45x1.75 CL10.9 SCREW HM12x45x1.75 CL10.9	STEEL QTC	ISO 898-1 CL. 10.9	ZINTEK 200+ZINTEK TOPL SOAKING MIN 6µ-MAX 12µ BY ATOTECH - WURTH	-	Ⓢ(R1010)	VC	0.049	8
		9	9484212	RONDELLE CONTACT M12 CONTACT WASHER M12	C60	NF E25-511 DIN EN10132-4 ISO 683-18	GEOMET 321 SOAKING MIN 6µ-MAX 12µ BY NOF METAL - WURTH 420-510 HV10	-	Ⓢ(R1010)	VC	0.003	4
		10	9430612	ECROU HM12x1.75 CL 10 NUT HM12x1.75 CL 10	STEEL QTE	ISO 898-2 DIN-6927 CL. 10	ZINTEK 200 SOAKING MIN 6µ-MAX 12µ BY ATOTECH - WURTH	-	Ⓢ(R1010)	VC	0.022	4
		11	9414072	VIS HM14X70x2 CL10.9 SCREW HM14x70x2 CL10.9	STEEL QTC	ISO 898-1 CL. 10.9	ZINTEK 200+ZINTEK TOPL SOAKING MIN 6µ-MAX 12µ BY ATOTECH - WURTH FLZNNC-NC6 ISO10683	-	Ⓢ(R1010)	VC	0.117	2
		12	9430614	ECROU HM14x2 CL10 NUT HM14x2 CL10	STEEL QTE	ISO 898-2 DIN-6927 CL. 10	ZINTEK 200 SOAKING MIN 6µ-MAX 12µ BY ATOTECH - WURTH	-	Ⓢ(R1010)	VC	0.033	2
		13	9410071	VIS HM10X70x1.5 CL10.9 SCREW HM10x70x1.5 CL10.9	STEEL QTC	ISO 898-1 CL. 10.9	ZINTEK 200+ZINTEK TOPL SOAKING MIN 6µ-MAX 12µ BY ATOTECH - WURTH FLZNNC-NC6 ISO10683	-	Ⓢ(R1010)	VC	0.053	1
		14	9430610	ECROU HM10x1.5 CL10 NUT HM10x1.5 CL10	STEEL QTE	ISO 898-2 EN 683 ISO683 CL. 10	ZINTEK 200 SOAKING MIN 6µ-MAX 12µ BY ATOTECH - WURTH	-	Ⓢ(R1010)	VC	0.013	1
		15	8077764	CACHE ROTULE BALL COVER	LUPOLEN 5031L HDPE	ISO1183 ISO1133 ISO178 ISO2038-1	-	-	Ⓢ(R1010)	VA	0.016	1
		16	9483123	RONDELLE ø36xø13x5 CONTACT ø36xø13x5	S235JR	EN10025-2	GEOMET 500 SOAKING MIN 6µ-MAX 12µ BY DACRAL 140-200 HV10	5	Ⓢ(R1010)	VC	0.035	8
		17	687661	ROTULE BALL	S355J2C3C	DIN EN10025-2	BRINK NL - KTL COATING 110-120 HV10	ø36	Ⓢ(R1010)	VA	3.17	1
		18	9520092	SUPPORT PRISE SOCKET PLATE	DX51D	EN10346 EN10326 EN10327	-	-	-	VA	0.011	1
		19	9516826	CALE DE REGLAGE ADJUSTING SHIMS	S235JRC2	EN10025-2	ZINTEK 200+ZINTEK TOPL SOAKING MIN 6µ-MAX 12µ BY JEAN-CHAUMONT 140-200 HV10	1	-	VC	0.075	2
		20	9516827	CALE DE REGLAGE ADJUSTING SHIMS	S235JRC2	EN10025-2	ZINTEK 200+ZINTEK TOPL SOAKING MIN 6µ-MAX 12µ BY JEAN-CHAUMONT 140-200 HV10	2	-	VC	0.15	4
		21	8570995	ETIQUETTE DE TRACABILITE TRACABILITY LABEL	PET	EN1043	-	-	-	-	VC	0



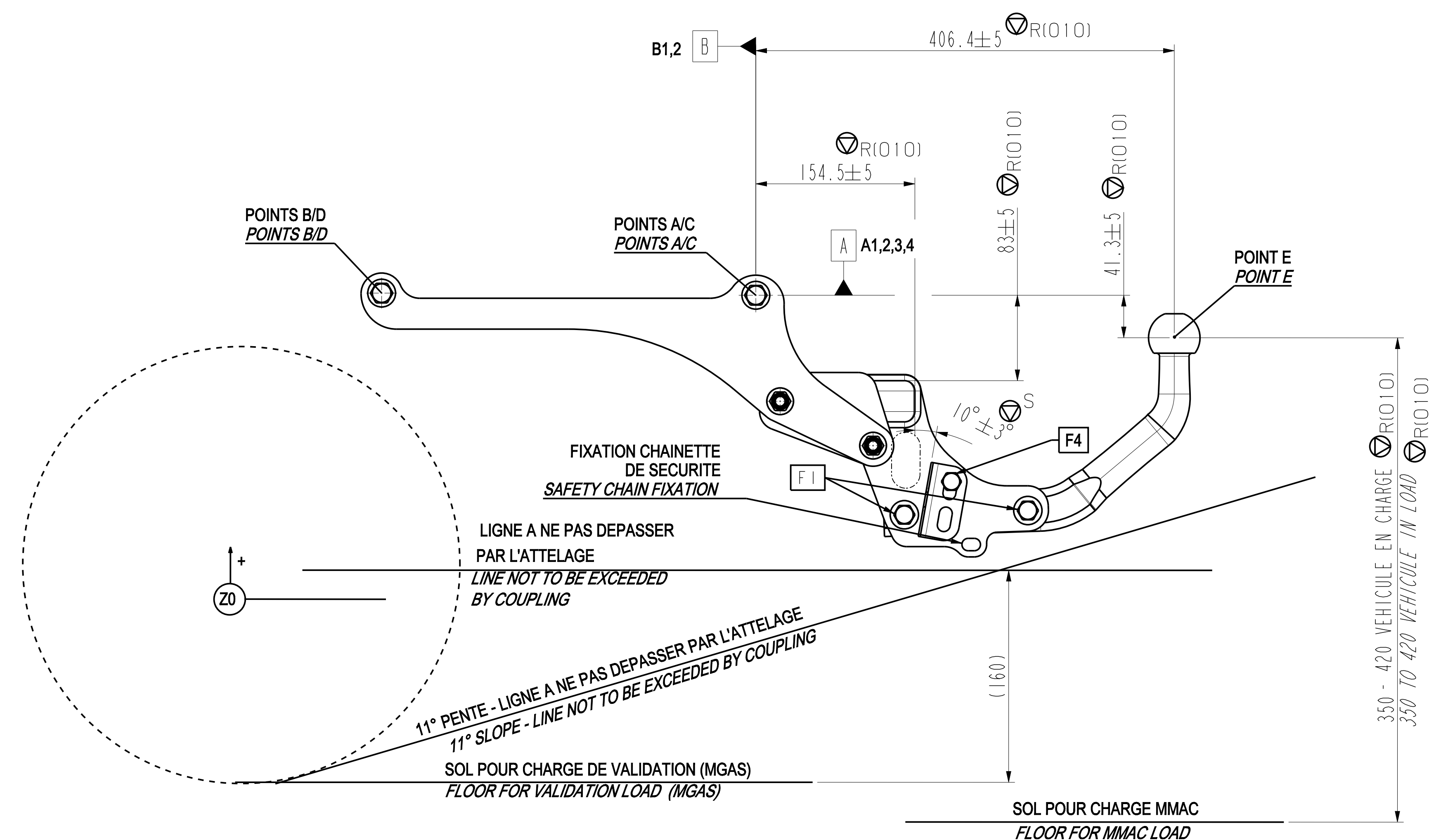
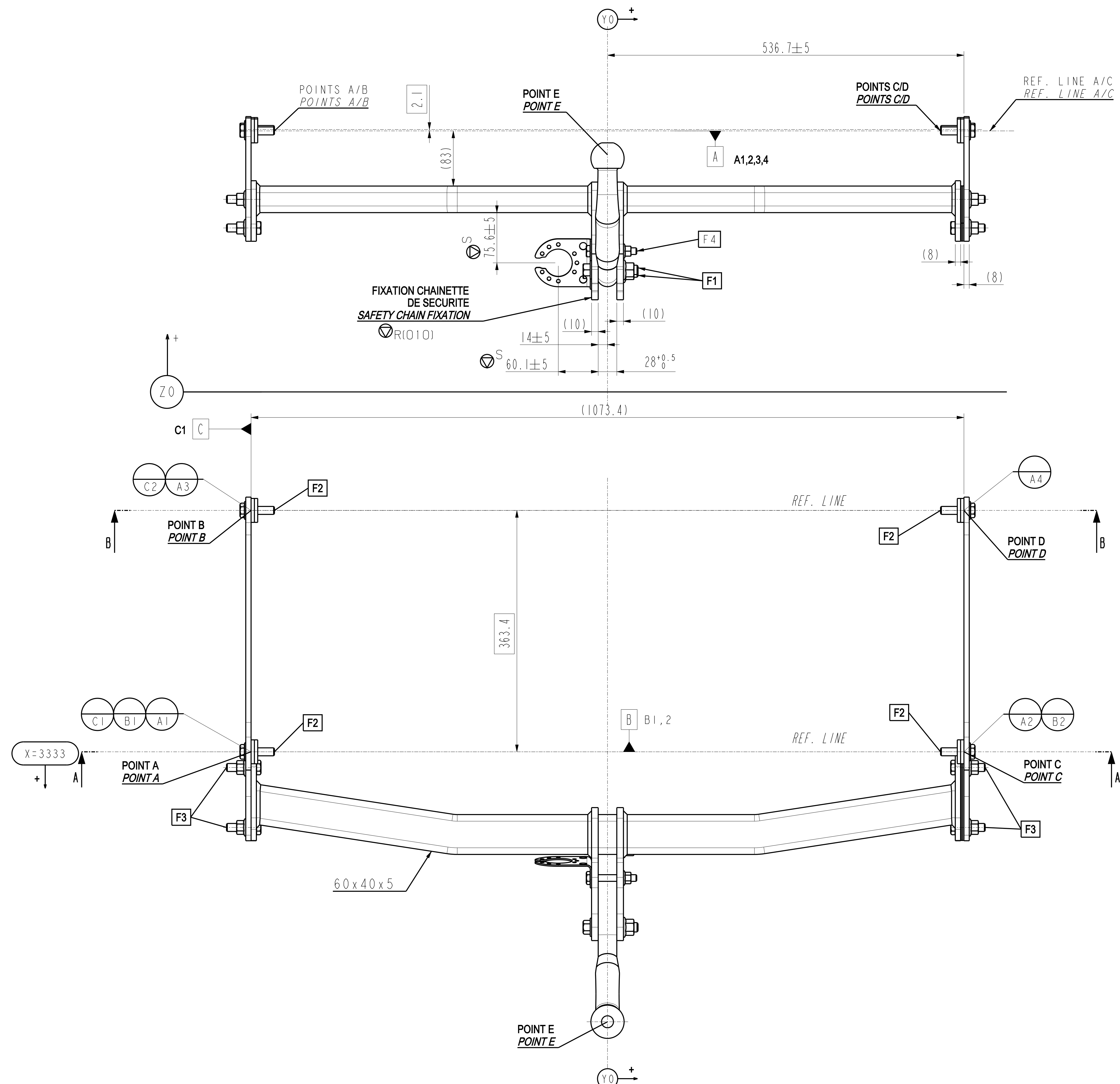
RENAULT

Type n°: 6816 ser. n°: 881606
 ser. n°:
 coupling class: ASO-X
 approval number: E11 5SR 01-11722
 date: 14/01/2021
 vert. load: 5.15 t
 date: 11/01/2021
 made by BRINK

ETIQUETTE HOMOLOGATION Ⓢ(R1010)
 CERTIFICATION LABEL Ⓢ(R1010)

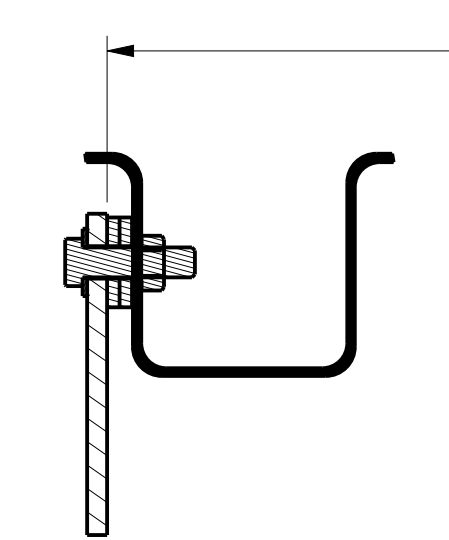


TOLEANCES UNLESS OTHERWISE SPECIFIED	HOLE TOLERANCE	CREATED BY: TIG	MATERIAL DESCRIPTION: -
± 1 mm	± 0.05 mm	CREATION DATE: 23-04-21	MATERIAL DIMENSION: -
± 0.1 mm	± 0.02 mm	MASS: 10.681 kg	LAST CHANGED BY: THOMAS LE GATT
		PART NR.: 8201735275	LAST CHANGE DATE: 29-09-2021 13:59
		APPROVAL DATE:	APPROVED BY:
		PG 00X 01 7500 AS STAMPING	NAME: DACIA JOOGER - RJJ CDC
		1. NE PAS TRAVAILLER SUR LES BOUTS 2. NE PAS TRAVAILLER SUR LES BOUTS 3. NE PAS TRAVAILLER SUR LES BOUTS	ATTACHE REMORQUE
			CP/G-TRAILER
			RELEASE STATUS: 2021-09-29
			IN WORK
SIZE: A0	FIRST ANGLE	SCALE: 1:2	SHEET: 2 OF 5
			DRAWING NUMBER: 6876_01
			NOIRME N° 0100112 STANDARD N° 0100112

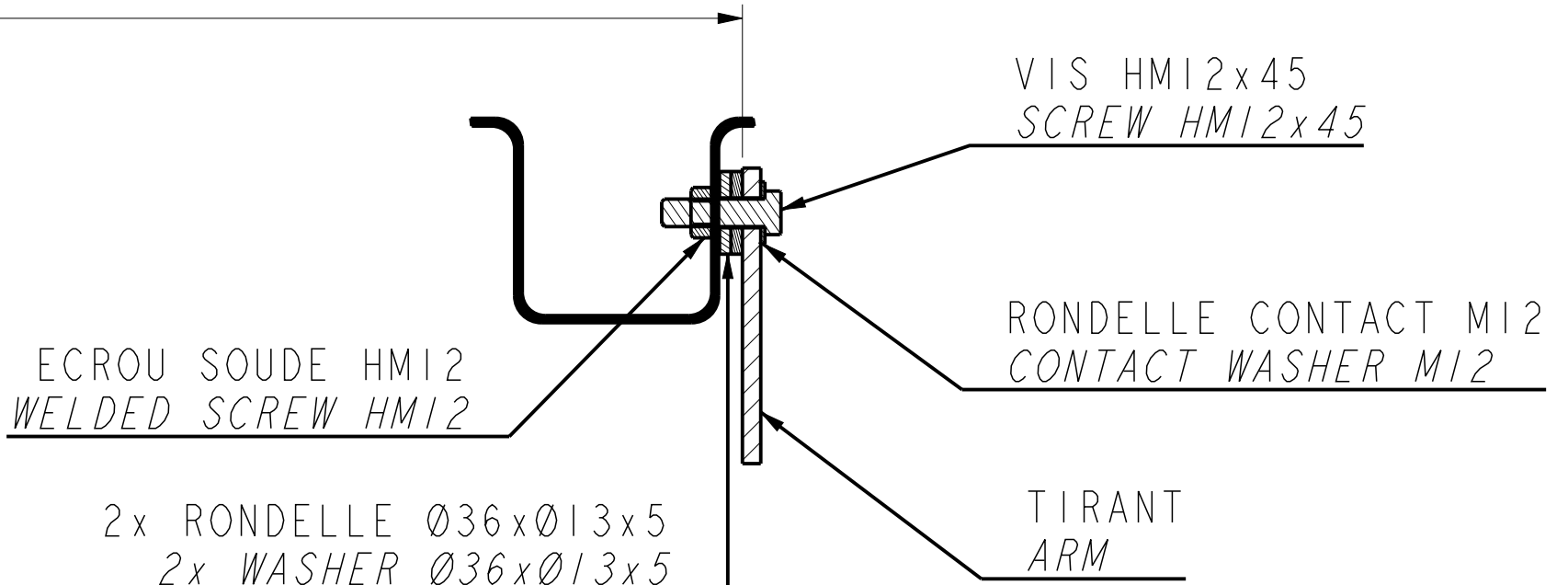


*DIMENSION DU VEHICULE = 1073.4 ± 3 (POUR INFORMATION)
VEHICUL DIMENSION = 1073.4 ± 3 (FOR INFORMATION)

*DIMENSION ATTELAGE = 1073.4 ± 5 REGLABLE AVEC CALES (2x1mm, 4x2mm)
TOWBAR DIMENSION = 1073.4 ± 5 AJUSTABLE WITH SHIMS (2x1mm, 4x2mm)



SECTION A-A
SECTION A-A



SECTION B-B
SECTION B-B

*DIMENSION DU VEHICULE = 1073.4 ± 3 (POUR INFORMATION)
VEHICUL DIMENSION = 1073.4 ± 3 (FOR INFORMATION)

*DIMENSION ATTELAGE = 1073.4 ± 5 REGLABLE AVEC CALES (2x1mm, 4x2mm)
TOWBAR DIMENSION = 1073.4 ± 5 AJUSTABLE WITH SHIMS (2x1mm, 4x2mm)

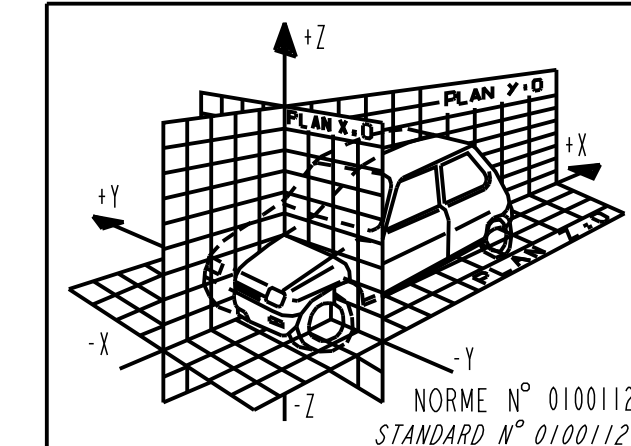
REFERENTIEL REFERENTIAL		COORDONNEES COORDINATES					
REF.	REF. PARTIEL PARTIAL REF.	X	Y	Z	X	Y	Z
A	A1			P	0	0	0
	A2			P	0	1073.4	0
	A3			P	-363.4	0	2.1
	A4			S	-363.4	1073.4	2.1
B	B1	P			0	0	0
	B2	P			0	1073	0
C	C1		P		0	0	0
	C2		P		-363.4	0	2.1

POINTS DE FIXATION LI (COORDONNEES DE VEHICULE)
FIXING POINTS LI (VEHICLE COORDINATES)

	X	Y	Z
A	3333	-536.7	239
B	2969.6	-536.7	241.1
C	3333	536.7	239
D	2969.6	536.7	241.1

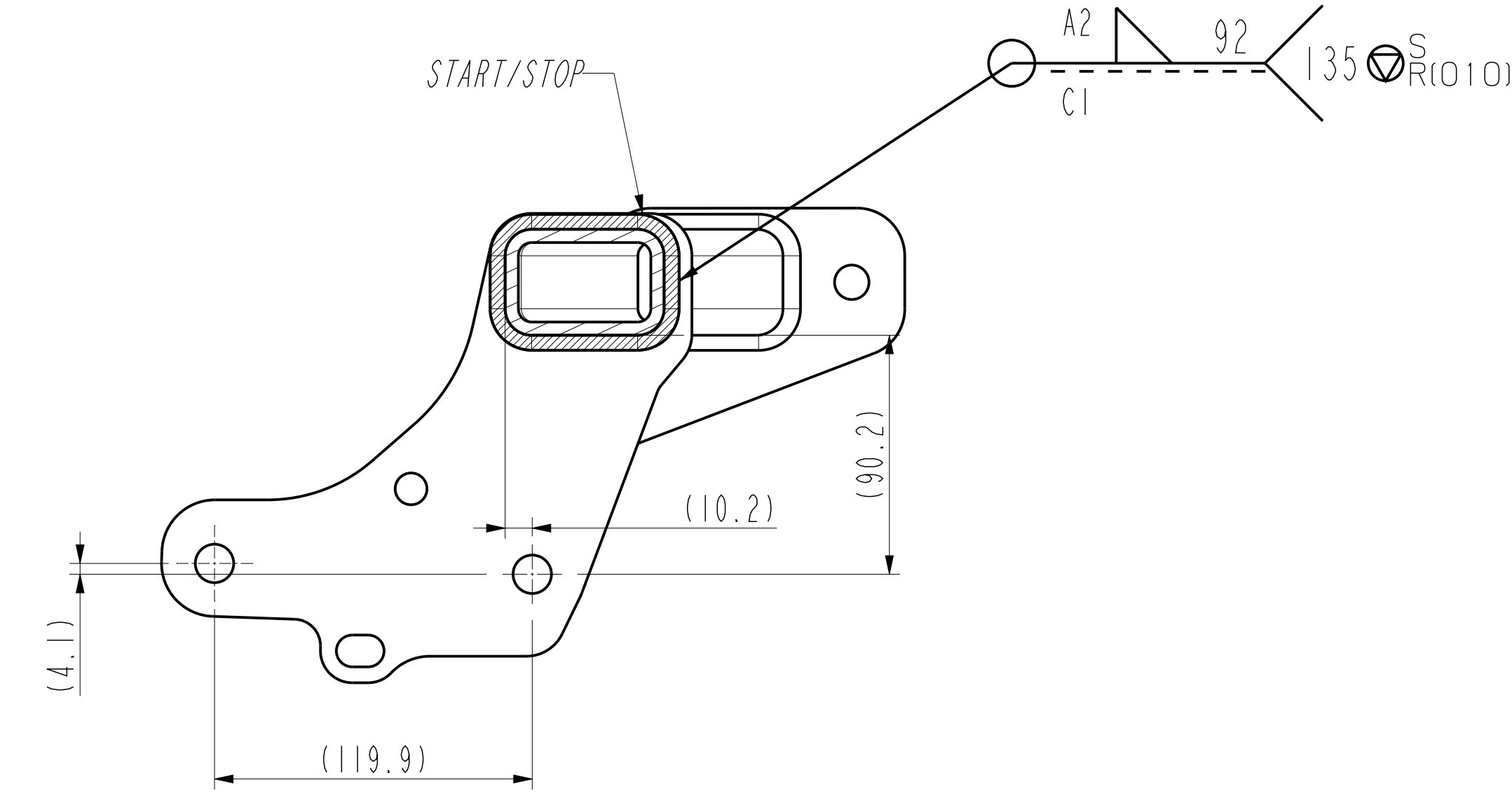
CENTRE DE BOULE (COORDONNEES DE VEHICULE)
BALL CENTER (VEHICLE COORDINATES)

	X	Y	Z
E	3739.4	0	197.7

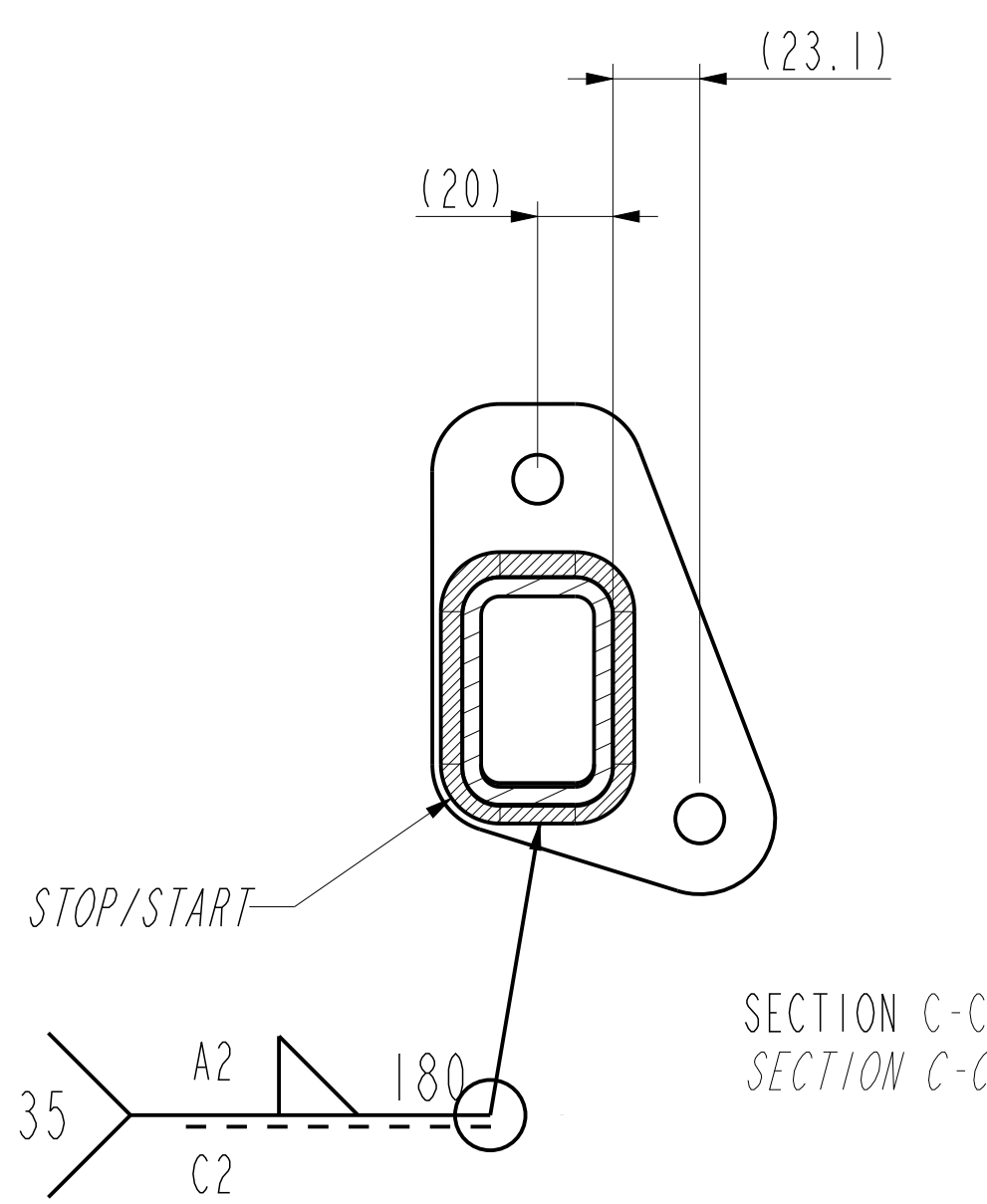


TOLERANCES UNLESS OTHERWISE SPECIFIED	± 1 mm	± 0.5	± 0.2
CREATED BY: TIG	CREATION DATE: 23-04-21	MATERIAL DESCRIPTION:	
MASS: 10.681 kg	LAST CHANGED BY: THOMAS LE GATT	MATERIAL DIMENSION:	
PART NR.: 8201735275	LAST CHANGE DATE: 29-09-2021 13:59	NAME:	ATTACHEMENT REMORQUE
APPROVAL DATE:	APPROVED BY:	PLG-TRAILER	
PG BOX 20, 7500 AS STAFFPORT	NAME:	DACIA JOGGER - RUI CDC	
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2. NE PAS TRAVAILLER SUR LES SAUVEGARDES DE TRAVAIL	NAME:	ATTACHEMENT REMORQUE	
3. NE PAS TRAVAILLER SUR LES SAUVEGARDES DE TRAVAIL	NAME:	ATTACHEMENT REMORQUE	
4. NE PAS TRAVAILLER SUR LES SAUVEGARDES DE TRAVAIL	NAME:	ATTACHEMENT REMORQUE	
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8. NE PAS TRAVAILLER SUR LES SAUVEGARDES DE TRAVAIL	NAME:	ATTACHEMENT REMORQUE	
9. NE PAS TRAVAILLER SUR LES SAUVEGARDES DE TRAVAIL	NAME:	ATTACHEMENT REMORQUE	
10. NE PAS TRAVAILLER SUR LES SAUVEGARDES DE TRAVAIL	NAME:	ATTACHEMENT REMORQUE	
11. NE PAS TRAVAILLER SUR LES SAUVEGARDES DE TRAVAIL	NAME:	ATTACHEMENT REMORQUE	
12. NE PAS TRAVAILLER SUR LES SAUVEGARDES DE TRAVAIL	NAME:	ATTACHEMENT REMORQUE	
13. NE PAS TRAVAILLER SUR LES SAUVEGARDES DE TRAVAIL	NAME:	ATTACHEMENT REMORQUE	
14. NE PAS TRAVAILLER SUR LES SAUVEGARDES DE TRAVAIL	NAME:	ATTACHEMENT REMORQUE	
15. NE PAS TRAVAILLER SUR LES SAUVEGARDES DE TRAVAIL	NAME:	ATTACHEMENT REMORQUE	
16. NE PAS TRAVAILLER SUR LES SAUVEGARDES DE TRAVAIL	NAME:	ATTACHEMENT REMORQUE	

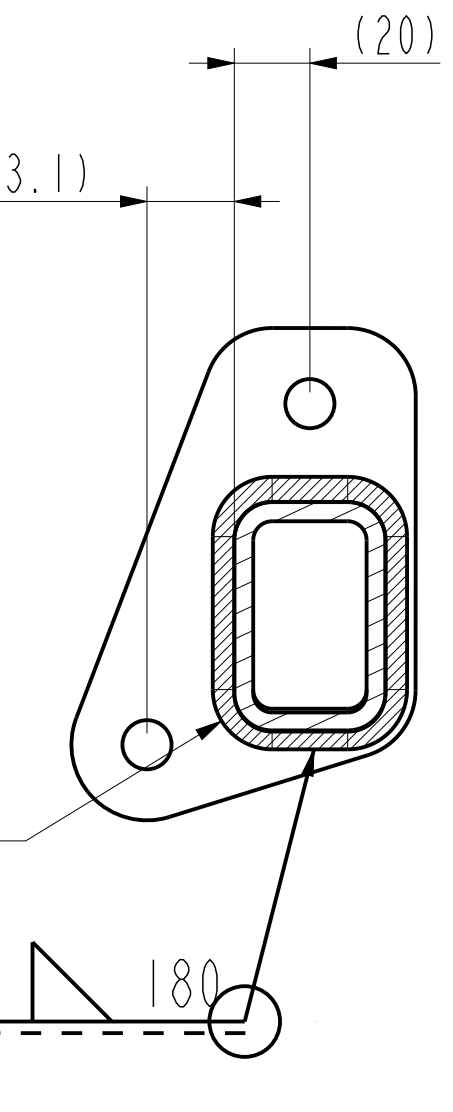
CONCEPTION ASSISTEE
PAR ORDINATEUR
CATIA
Version 6
LE PLAN NE DOIT SURSER
AUCUNE MODIFICATION MANUELLE



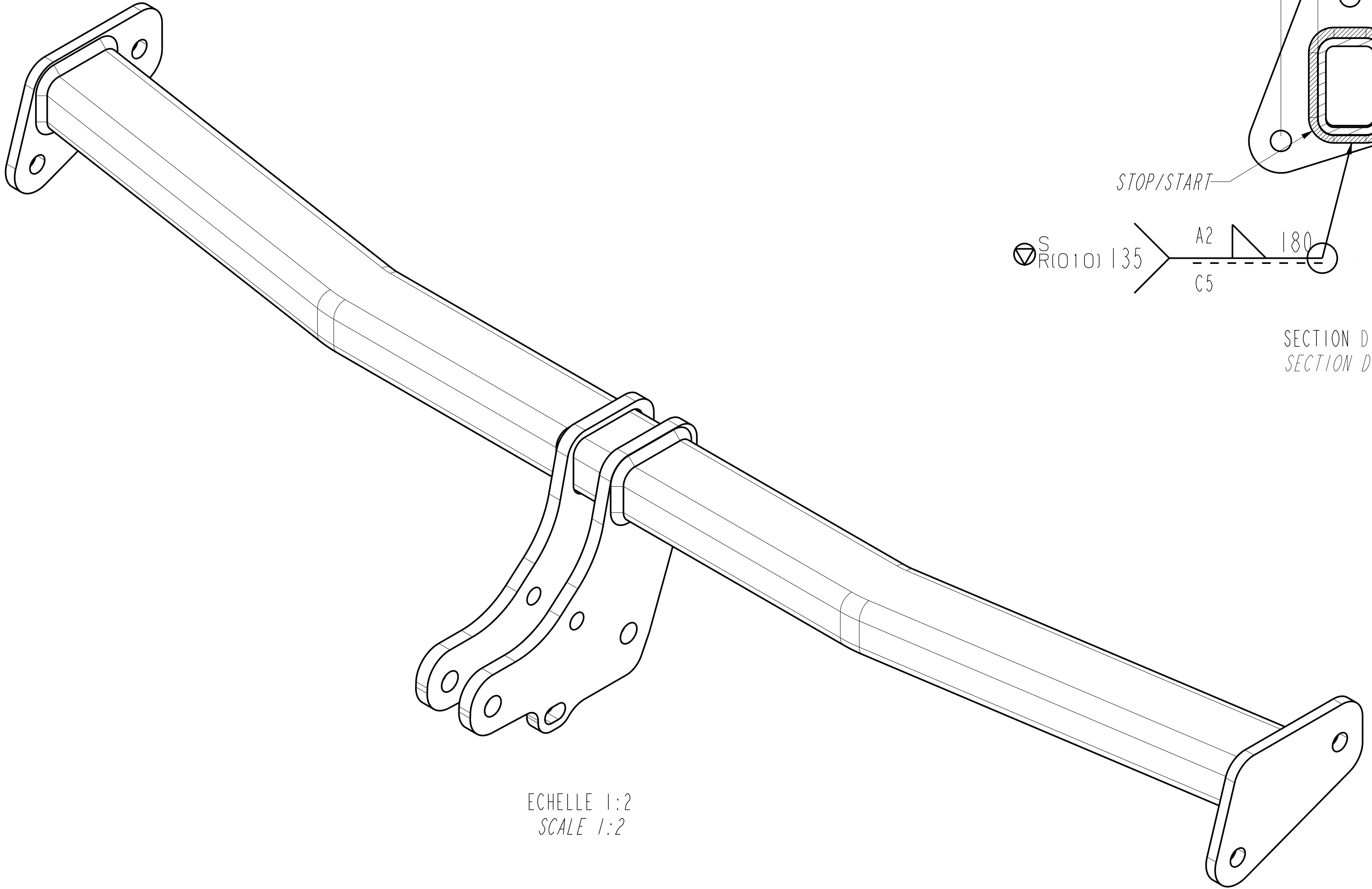
SECTION A-A
SECTION A-A



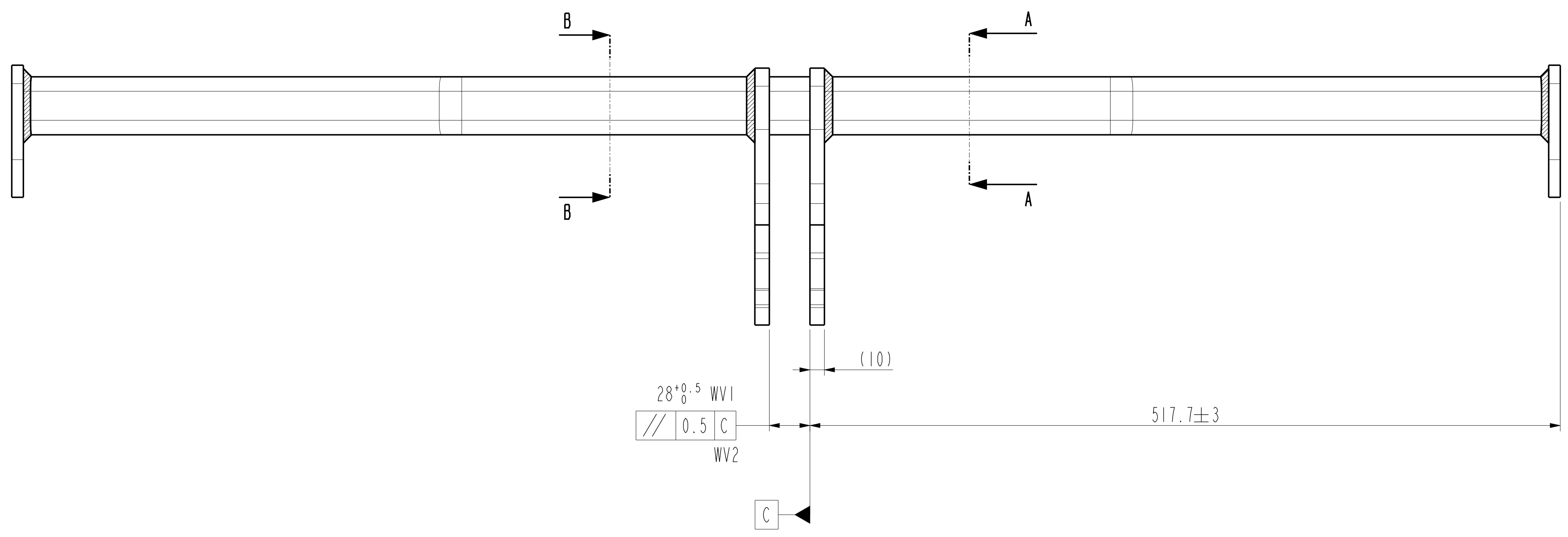
SECTION C-C
SECTION C-C



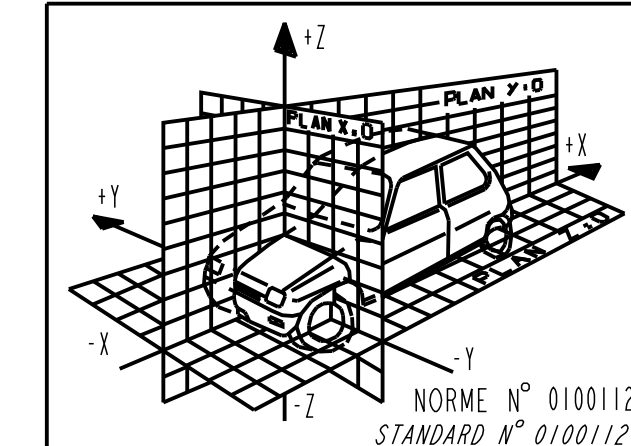
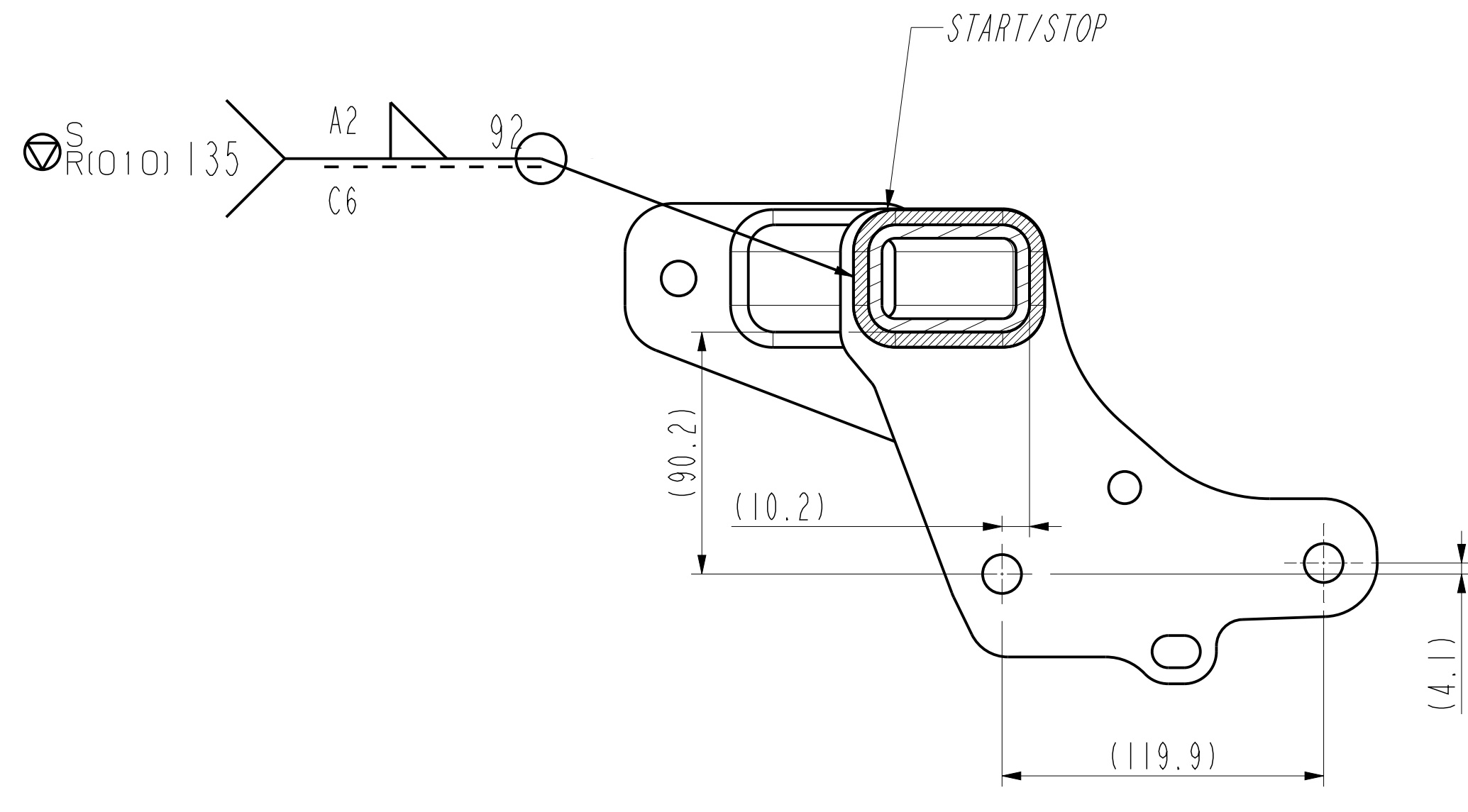
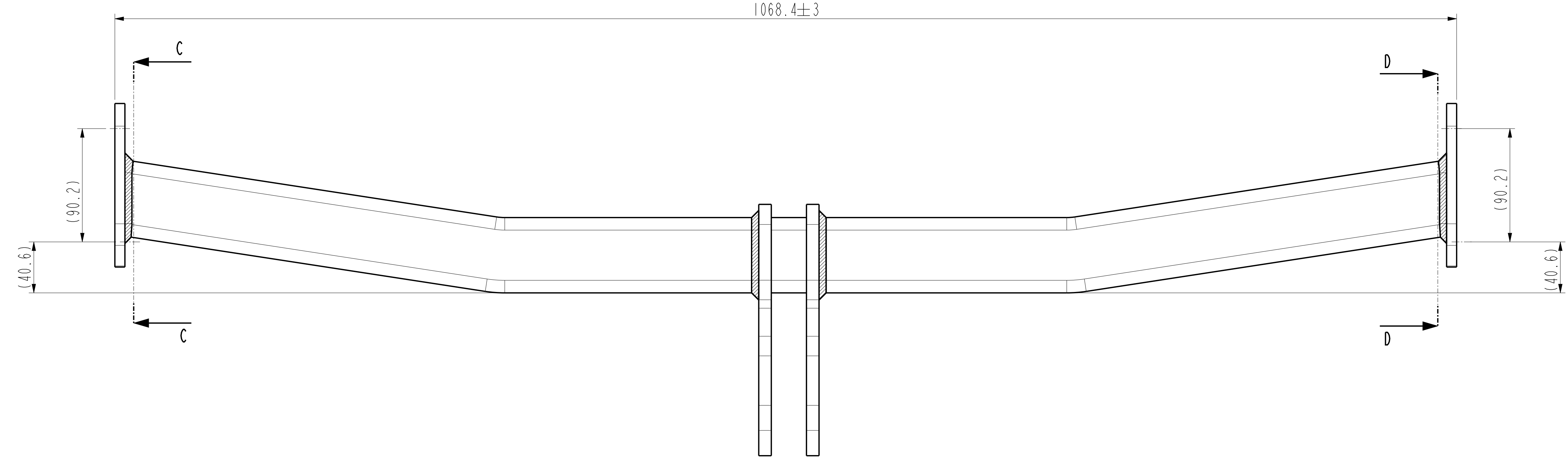
SECTION D-D
SECTION D-D



ECHELLE 1:2
SCALE 1:2



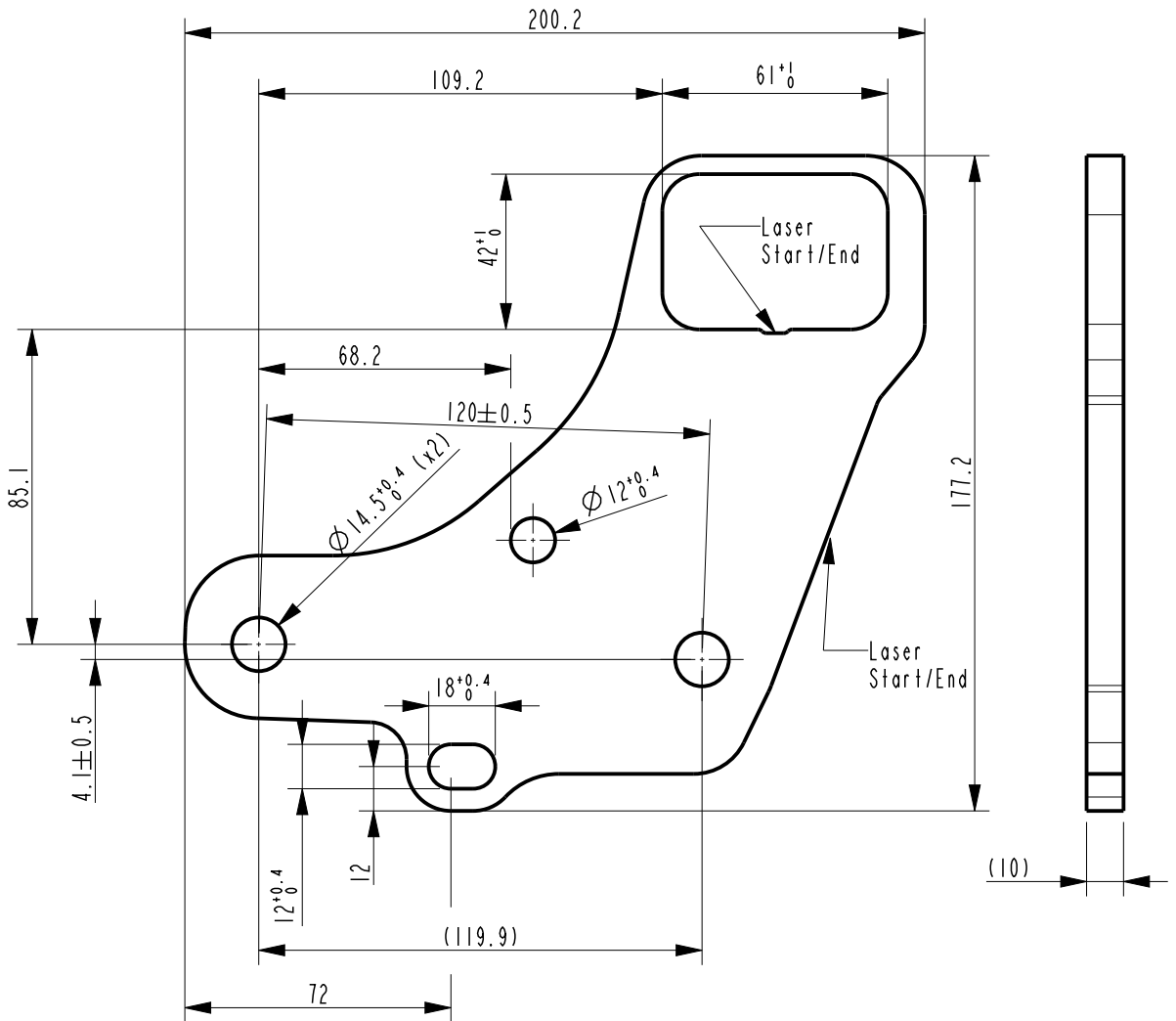
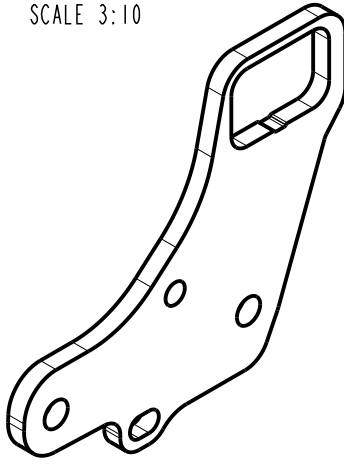
SECTION B-B
SECTION B-B



TOLERANCES UNLESS OTHERWISE SPECIFIED	HOLE DIMS. ± 0.1	CREATED BY: TIG	MATERIAL DESCRIPTION: -
± 1 mm	± 0.1	CREATION DATE: 23-04-21	MATERIAL DIMENSION: -
± 0.5	± 0.05	MASS: 10.681 kg	LAST CHANGED BY: THOMAS LE GATT
		PART NR.: 8201735275	LAST CHANGE DATE: 29-09-2021 13:59
		APPROVAL DATE:	APPROVED BY:
		PO BOX 20, 7500 AS STAMBOURG M. DE FRAIBOURG 7. RUE ROY TRAILER LES HAUX SUISSE DE NEUCHÂTEL N. DU PAYS DE VAUD, SUISSE P. DE TRAMAY, FRANCE P. DE TRAMAY, FRANCE	NAME: DACIA JOGGER - RUI CDC ATTACHE REMORQUE EPLG-TRAILER
SIZE: A0	FIRST ANGLE	SCALE: 1:2	SHEET: 5 OF 5
UNITS: IN MM			DRAWING NUMBER: 6876_01
			RELEASE STATUS: IN WORK
			VERSION: 23-04-21

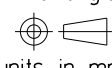
Company confidential

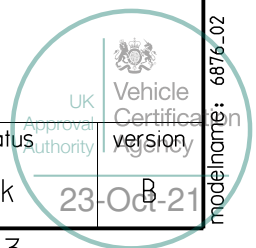
SCALE 3:10



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Tolerances unless otherwise specified ± 1 mm ± 1 °	hole tolerance JS14	created by: TLG	material description: S420MC -BM	EN10149-2	
		creation date: 06-04-21	material dimension: PL.10mm	EN 10051	
		mass: 1.150 kg	last changed by: Thomas le Gatt		
		part nr.: -	last change date: 17-06-2021 11:03		
		approval date:	approved by:		
Brink Group PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Belheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name Ball plate -			
size: A4	third angle  units in mm	scale: 1:2	sheet: 1 of 1	drawing number: 6876_02	release status: In Work

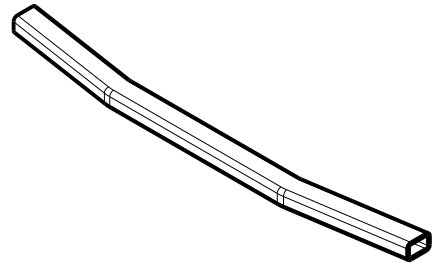


modelname: 6876_02 type: PART

1

2

3



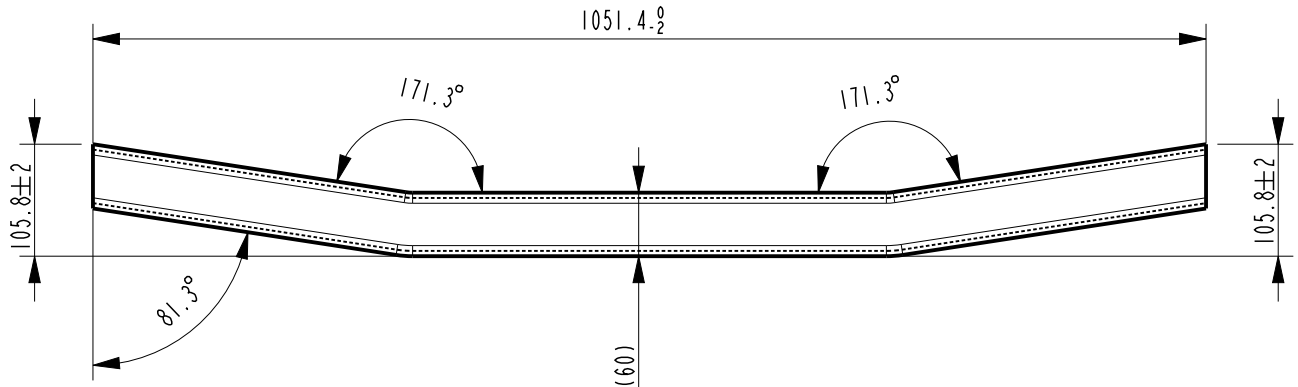
SCALE 7:100

A

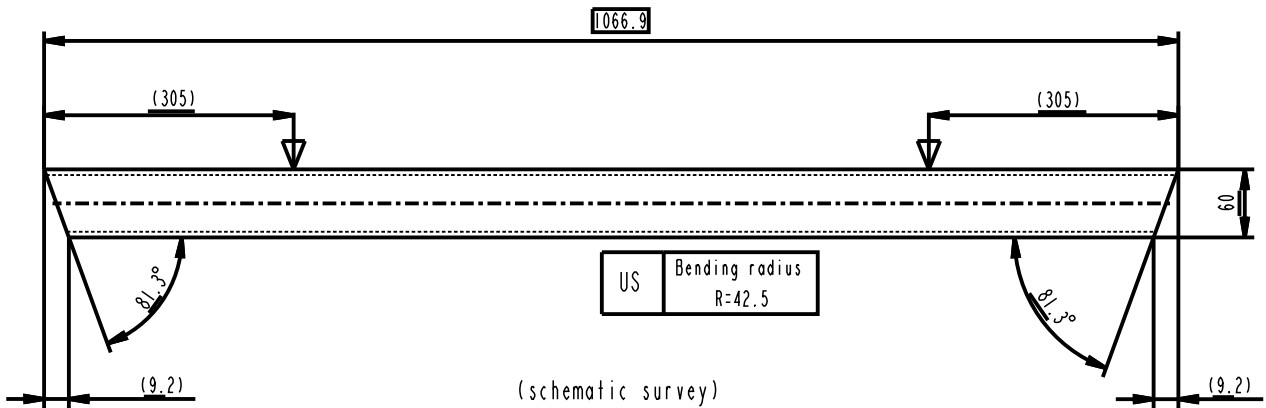
A

B

B

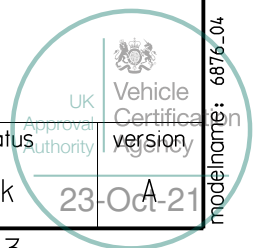


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C

Tolerances unless otherwise specified ± 1 mm ± 1 °	hole tolerance JS14	created by:	-	material description:	S275J0H EN 10219-1
		creation date:	20-02-20	material dimension:	60x40x5 EN 10219-2
		mass:	6.907 kg	last changed by:	Thomas le Gatt
		part nr.:	-	last change date:	25-06-2020 08:19
		approval date:		approved by:	
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Belheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name Tube	
size	third angle	scale	sheet	drawing number	release status
A4	units in mm	7:50	1 of 1	6876_04	In Work

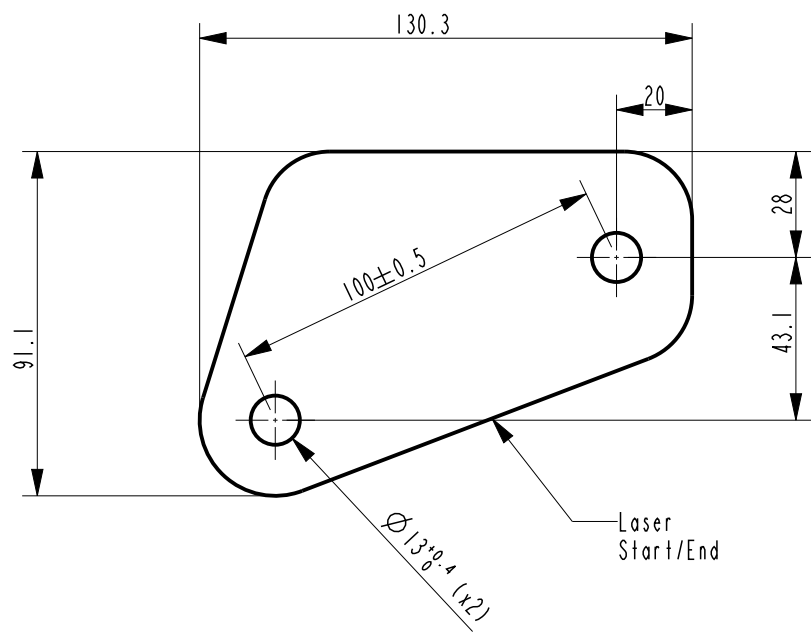
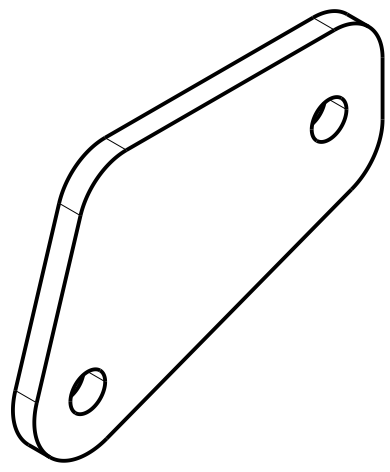


modelname: 6876_04 type: PART

1

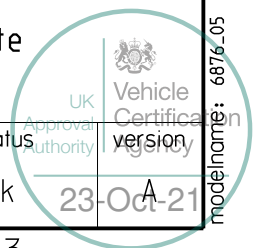
2

3



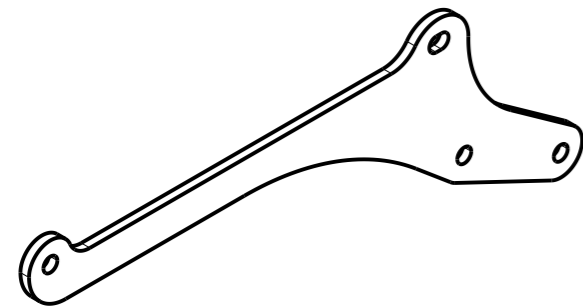
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Tolerances unless otherwise specified $\pm 1 \text{ mm}$ $\pm 1^\circ$	hole tolerance JS14	created by:	TLG	material description:	S420MC-BM EN 10149-2
		creation date:	06-04-21	material dimension:	PL. 8mm EN 10051
		mass:	0.530 kg	last changed by:	Thomas le Gatt
		part nr.:	-	last change date:	06-04-2021 15:16
		approval date:		approved by:	
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Belheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa		name Mounting plate	
size	third angle	scale	sheet	drawing number	release status
A4	 units in mm	1:2	1 of 1	6876_05	In Work

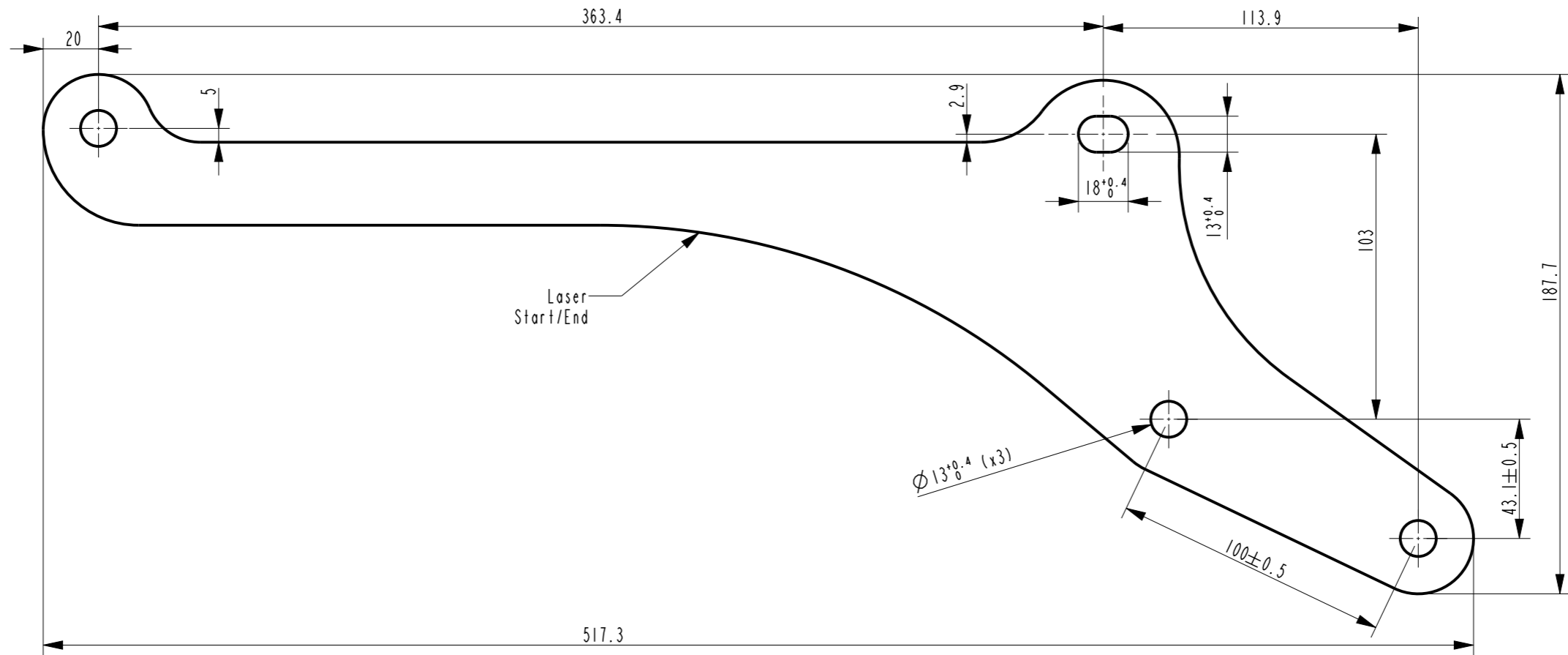


type: PART
modélname: 6876_05

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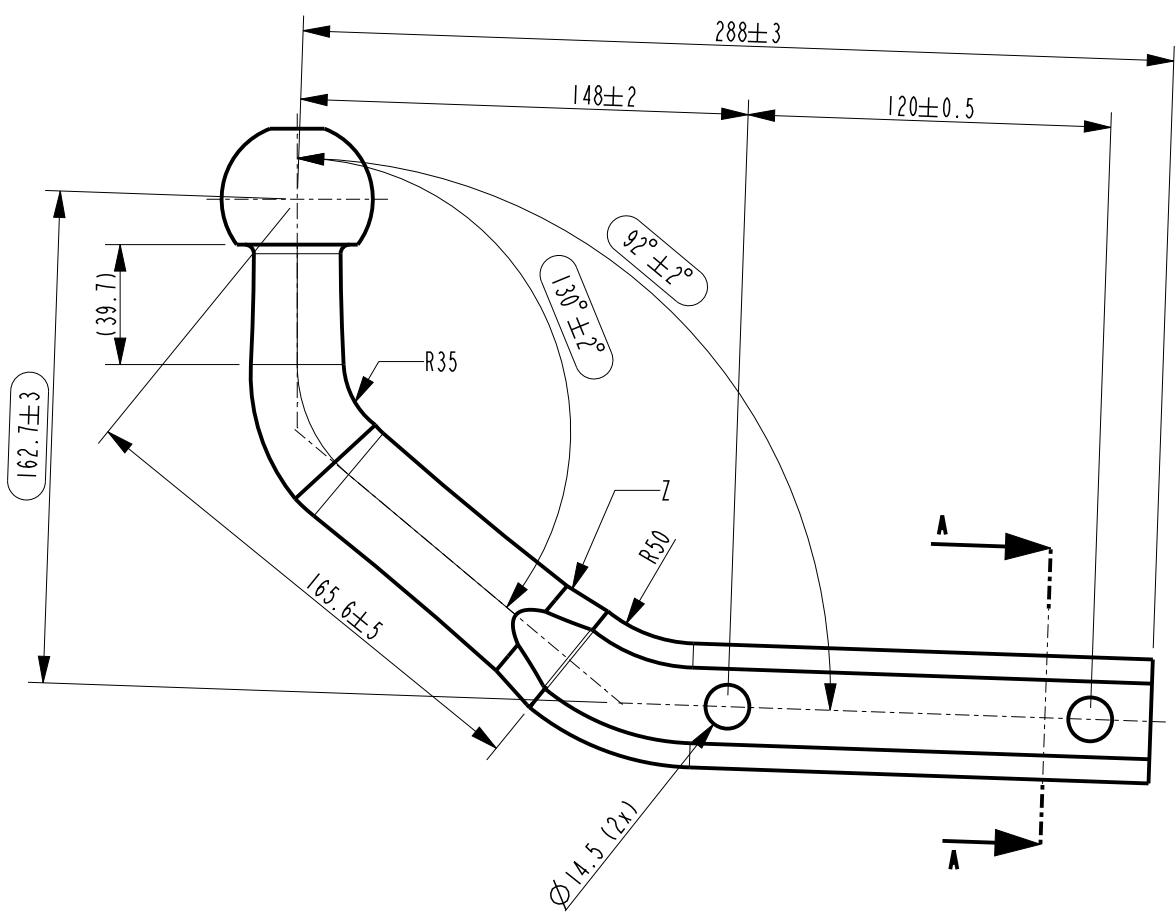
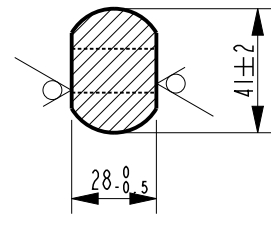
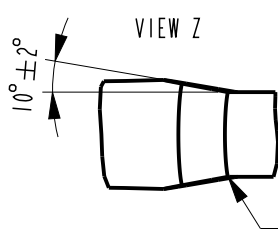
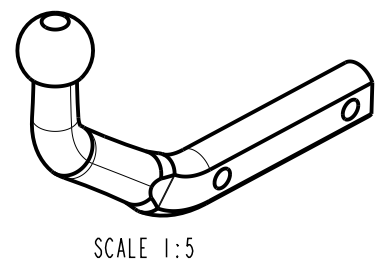
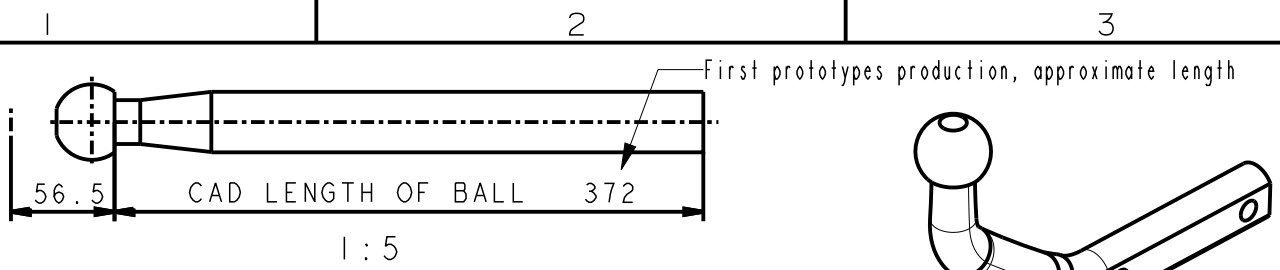


SCALE 1:5



Tolerances unless otherwise specified ± 1 mm ± 1 mm	hole tolerance JS14	created by:	TLG	material description:	S420MC-BM EN 10149-2
		creation date:	06-04-21	material dimension:	PL. 8mm EN 10051
		mass:	1.623 kg	last changed by:	Thomas le Gatt
		part nr.:	-	last change date:	06-04-2021 15:33
		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	
size	third angle	scale	sheet	drawing number	release status
A4	units in mm	1:2	1 of 1	6876_07	In Work
					UK Vehicle Certification Authority logo
					23-Oct-21

type: PART
model name: 6876_07



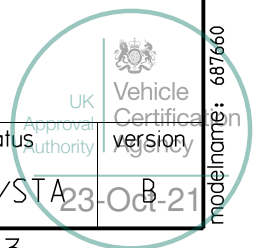
SPC-dimension

REMARK:
GLOEIEN / ANNEALING ACCORDING TO BN2-012

Tolerances unless otherwise specified ± 1 mm ± 1 ° JS14	hole tolerance JS14	created by: TLG	material description: S355J2G3C	EN10025	
		creation date: 10-05-21	material dimension: $\varnothing 36$	EU60	
		mass: 3.168 kg	last changed by: Thomas le Gatt		
		part nr.: -	last change date: 31-05-2021 10:43		
		approval date: 31-May-2021	approved by: Robert Koetsier		
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Belheny France 14 Old Field Road, Shortts Retreat Pietermaritzburg, KwaZulu Natal, South Africa	name Fixed ball -		
size A4	third angle units in mm	scale 2:5	sheet 1 of 1	drawing number 687660	release status Prerelease/STA-23-06-21

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type: PART
modelfname: 687660



1

2

3

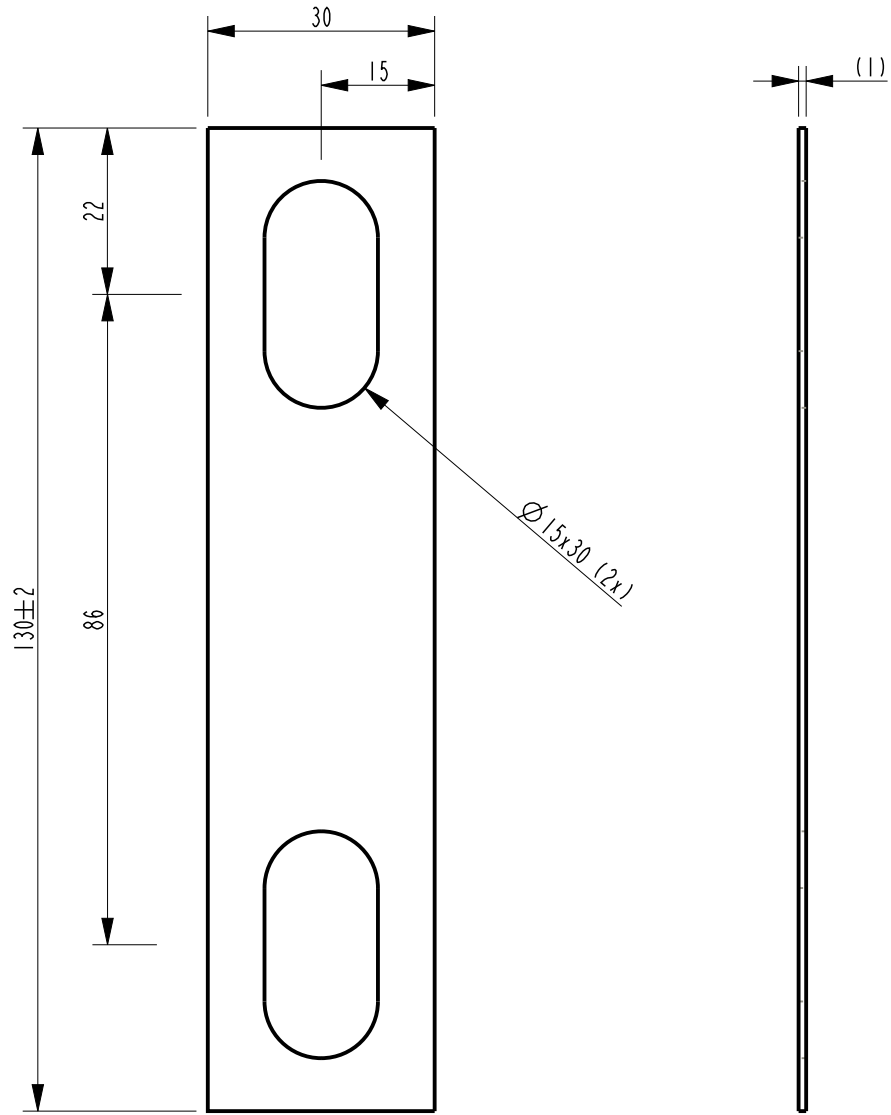
A

A

B

B

C

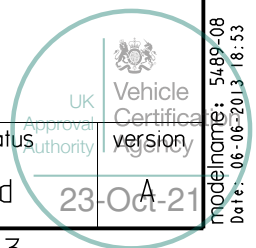


Traitement surface : Sans Cr6-700HBS

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linear and angular tolerance ± 1 mm ± 1	hole tolerance JS14	created by	HA0-	material description	S235JRG2 EN10025-
		creation date	21-03-12	material dimension	#30x1 EU58-
		type	5489-	mass	0.024 kg
		remark	-	remark	Surface traitement -Cr6-250HBS
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Belheny France PO box 1165, SE-462 28 Vanersborg Sweden		name fittingplate 9516826	
size	third angle units in mm	scale	sheet	drawing number	release status
A4		1:1	1 of 1	5489-08	Released



type: PART
modelname: 5489-08
date: 06-06-2013 18:53

23-Oct-21

1

2

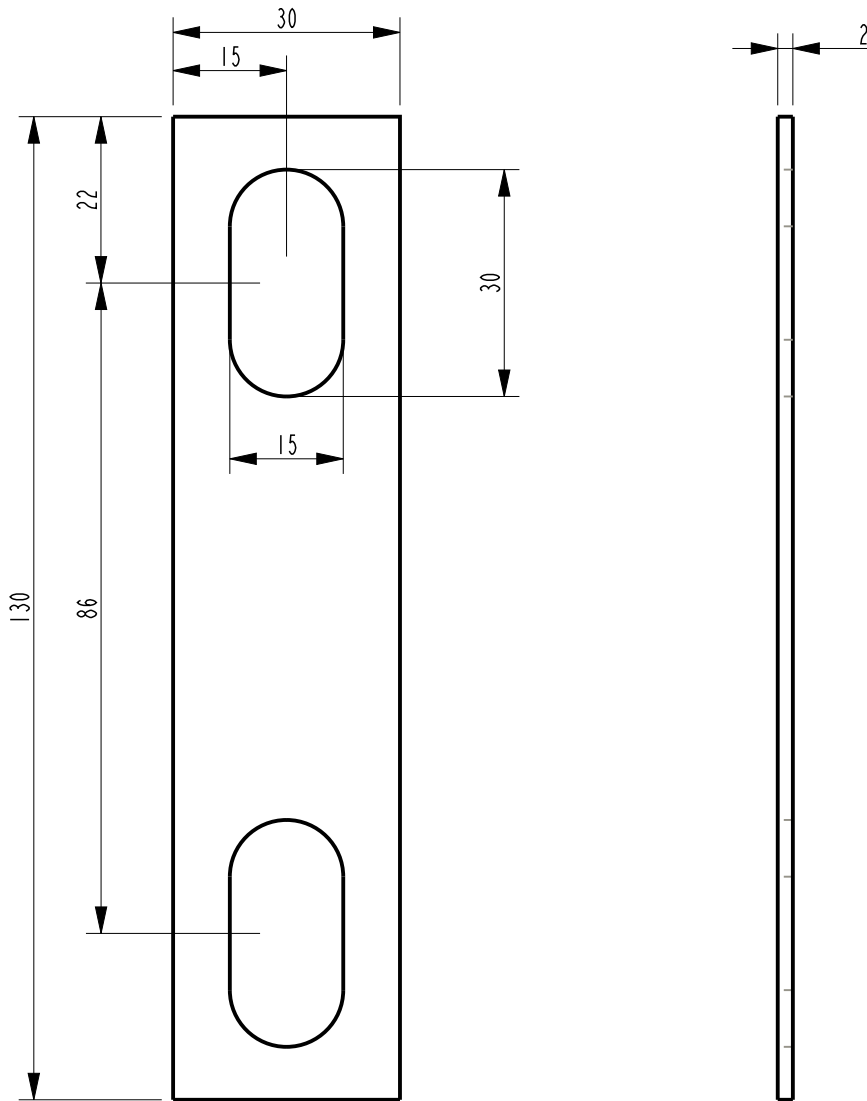
3

A

A

B

B



Traitement de surface: sans Cr6, 700 HBS

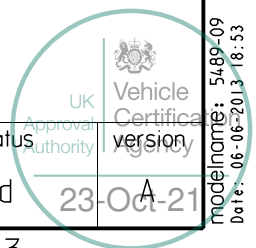


C

Company confidential

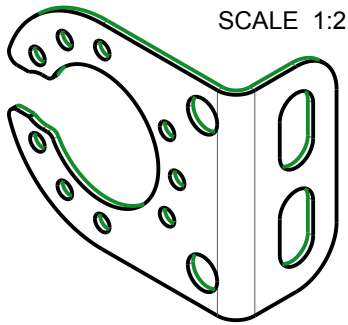
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linear and angular tolerance ± 1 mm ± 1	hole tolerance JS14	created by	HA0-	material description	S235JRG2 ENIO025-
		creation date	01-08-12	material dimension	#30x2 EU58-
		type	5489-	mass	0.048 kg
		remark	-	remark	Surface traitement -Cr6 /250hBS
		PO Box 24, 7950 AA Staphorst The Netherlands 7, rue Rol Tanguy Zac les Naux 51450 Belhery France PO box 1165, SE-462 28 Vanersborg Sweden		name fittingplate 9516827	
size	third angle	scale	sheet	drawing number	release status
A4	 units in mm	1:1	1 of 1	5489-09	Released

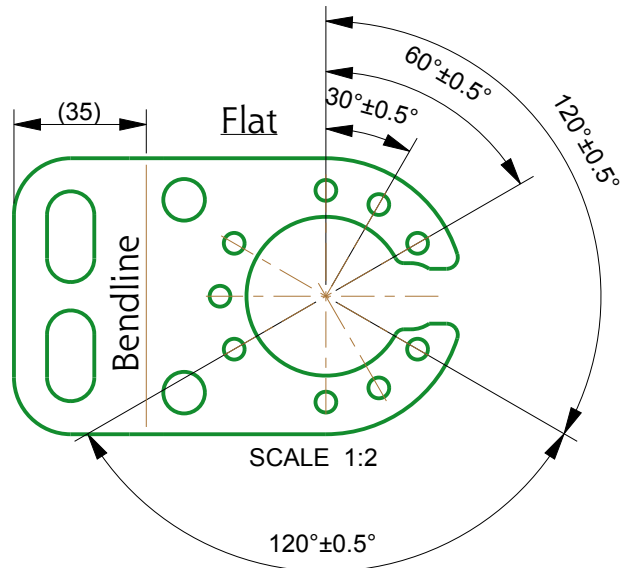
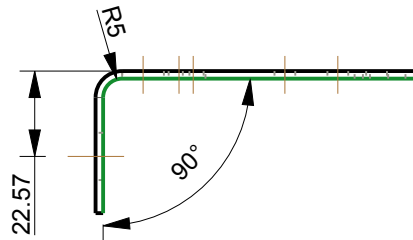


type: PART
Modelname: 5489-09
Date: 06-06-2013 18:53

A

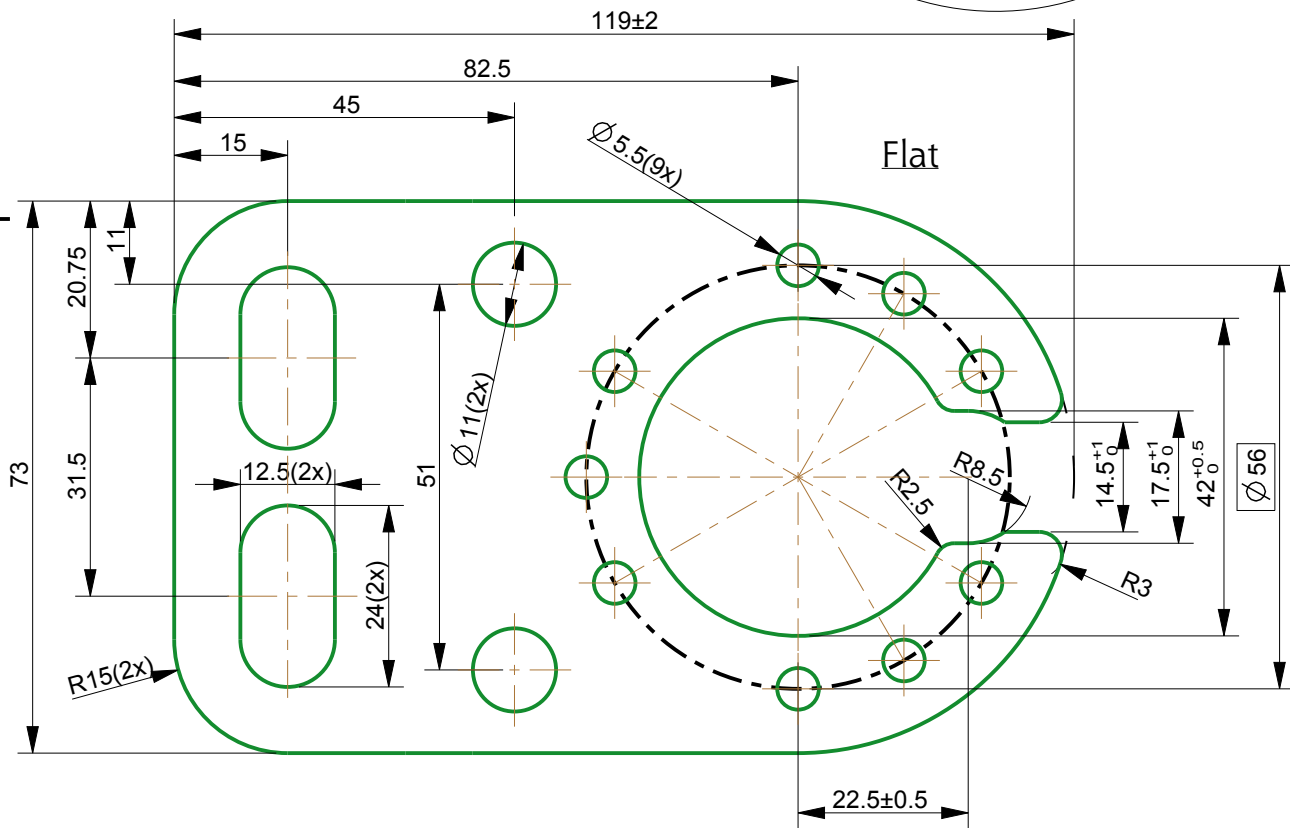


SCALE 1:2



SCALE 1:2

B



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linear and angular tolerance ± 1 mm ± 1 °	hole tolerance JS14	created by	M.T. Jansen	material description	DX51DAS120A0 EN10154
		creation date	15-02-08	material dimension	pl. 2mm EN10143
		type	-	mass	0.086 kg
		remark	-	remark	9585664
		PO Box 24, 7950 AA Staphorst The Netherlands Phone number: +31 522 469999 Fax number: +31 522 469722		name Socketplate	
size	third angle units in mm	scale	sheet	drawing number	release status
A4		1:1	1 of 2	TH0002017	Released

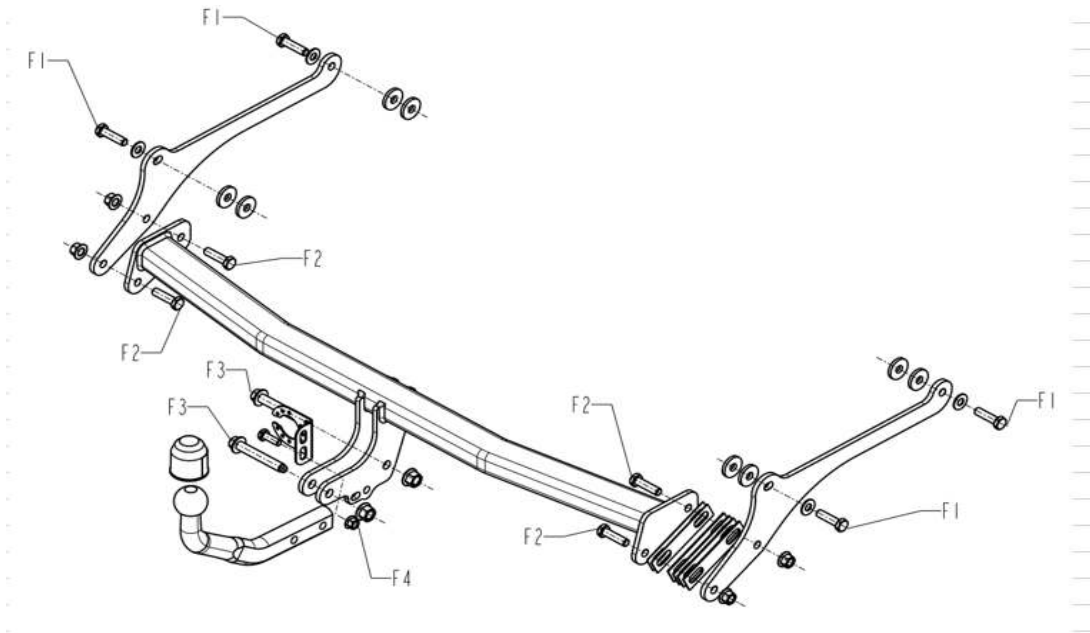


Modelname: TH0002017 type: PART

Fitting instructions

687675

Type: **6876**
 GVW: **2050 kg**
 GTW: **1200 kg**
 D-value: **7,43 kN**
 S-value: **75 kg**
 Approval No: **E11 55R0111722**
 Coupling Class: **A50-X**



	Q	Fixation Set screws	Couple de serrage Tightening torque (N.m)	Tolerance Tolerance (%)
F1	4	Vis HM12x45; Rondelle contact M12; Rondelle $\varnothing 36 \times \varnothing 13 \times 5$ Screw HM12x45; contact washer M12; Washer $\varnothing 36 \times \varnothing 13 \times 5$	110	+/- 15
F2	4	Vis HM12x45; Ecrou HM12 Screw HM12x45; Nut HM12	110	+/- 15
F3	2	Vis HM14x70; Ecrou HM14 Screw HM14x70; Nut HM14	185	+/- 15
F4	1	Vis HM10x30; Ecrou HM10 Screw HM10x30; Nut HM10	62	+/- 15

Installation:

1. Fit the left and right arms
2. Fit the body tow bar
3. Fitt the ball

Prüfbericht Test report

Nr. / No.: 21-00179-CX-GBM-01

Prüfung eines Bauteiltyps
in Bezug auf die Richtlinie / Verordnung (EG/EU) / Regelung Nr. **ECE-R55**
in der Fassung der Änderung Nr. **01, Ergänzung 09**
Genehmigungsgegenstand: **Mechanische Verbindungseinrichtungen**

*Test of a component type
with regard to Directive / Regulation (EC/EU) / Regulation No. **ECE-R55**
taking into consideration amendment No. **01, supplement 09**
Approval subject: **Mechanical coupling components***

Genehmigungsstand / Approval status	
<input type="checkbox"/>	Erteilung einer Typgenehmigung <i>Granting of a type approval</i>
<input checked="" type="checkbox"/>	Nachtrag/Änderung zur Typgenehmigung Nr. E11*55R01/08*11722*00 <i>Extension/correction to type approval no.</i>

Gründe des Nachtrags / Reasons for extension

- Richtlinienstand aktualisiert, Gewichte in Punkt 9.3. geändert (zulässige Hinterachslast), Zeichnungen aktualisiert.
- *Status of the regulation updated, masses in point 9.3. changed (permissible rear axle mass), drawings updated.*

0. Allgemeine Angaben
General

- 0.1. Fabrikmarke : BRINK
(Firmenname des Herstellers)
Make (trade name of manufacturer)
- 0.2. Typ und Bauart der : 6876
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. : 6876
No.
- Ausgabedatum : 04.10.2021
Date of issue
- 0.6. Kennwerte : D/D_c = 7,43 kN
Characteristic values
- S = 75 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 : 6876-4-21-21
Marking
- 1.3. Bemerkungen : --
Remarks
- 1.4. Worst-Case-Auswahl : Da die Prüfung an dem Typ 6876 durchgeführt
Worst-case selection wurde, ist eine Worst-Case Betrachtung nicht erforderlich.
Because the test was performed on the type 6876, 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 testing Nr. 02 (Serien-Nr. 28200, Kalib.-Datum 29.08.2019)
Hydropulse test bench
No 02 (Serial No 28200, Calibration date 29.08.19)
- 2.1.2 Prüfparameter : Resultierende Prüfkraft (Wechselast): ± 4,458 kN
Parameter of the test Test load F (alternating load):
Errechneter D-Wert: 7,43 kN
Calculated D-value:
Prüfwinkel α : + 15°
Angle of test load α :
Prüffrequenz: 13 Hz
Frequency:
Lastspielzahl: 2 x 10⁶
Load cycles:
- 2.1.3 Werkstoffprüfungen : wurden nicht durchgeführt
Material tests not carried out
- 2.1.4 Statische Prüfung auf zusätzlichen Befestigungspunkt (60 sec.) : Prüfkraft: 15 kN
Static test on secondary coupling Test load
(60 sec)

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). Es ist kein erneuter Test erforderlich. Die Testergebnisse vom 01.06.2021 behalten weiterhin ihre Gültigkeit. <i>The test sample withstood the dynamic fatigue test and the static test without cracks checked by penetrating means. There is no need for a new test. The test results of 01.06.2021 remain valid.</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>	: 01.06.2021 (dynamisch / <i>dynamic</i>) 11.06.2010 (statisch / <i>static</i>)
Prüfort <i>Location of testing</i>	: Staphorst

3. Anlagen Appendices

Beschreibungsbogen <i>Information document</i>	: 6876 bestehend aus Beschreibungsbogen, Zeichnungen, Einbauanleitung (15 Seiten). <i>6876 consisting of Information document, Drawings, Fitting instructions (15 pages).</i>
---	--

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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TÜV SÜD Auto Service GmbH is designated as Technical Service by:

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Krafftahrt-Bundesamt (KBA)	Deutschland <i>Germany</i>	KBA-P 00100-10
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.



A. Ewert

München, 14 Oktober 2021

Dipl.-Ing. (BA) Alexander Ewert

