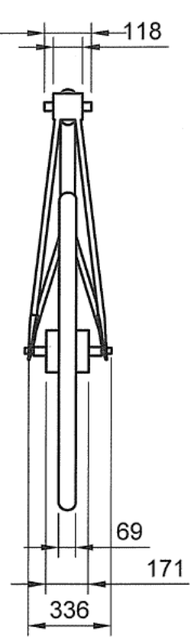
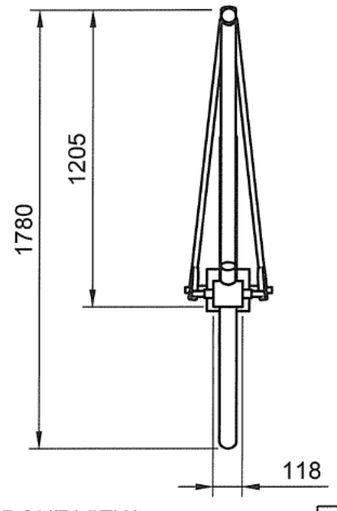
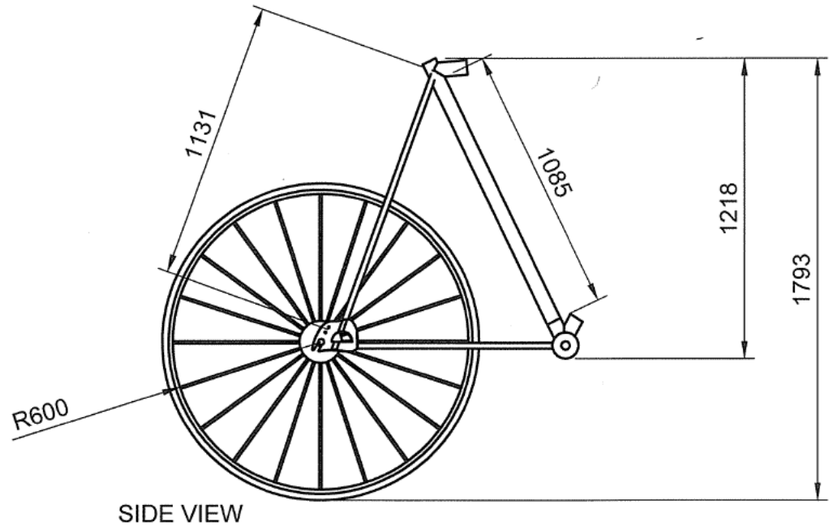
PLAN VIEW



VP
HP VP1



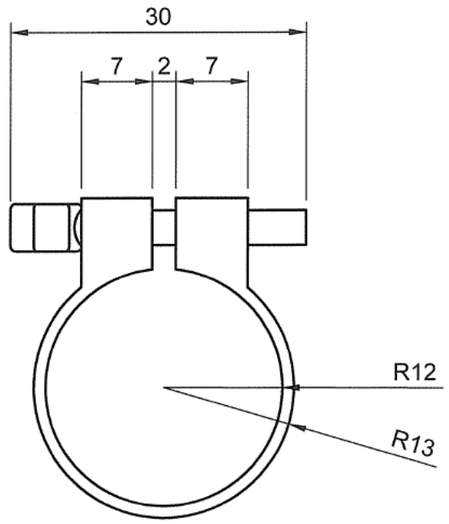
FRONT VIEW



SIDE VIEW

	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:20	Date: 22-9-2017
	Part: ORIGIONAL BACK END DESIGN	Drawn by:	All measurements in mm

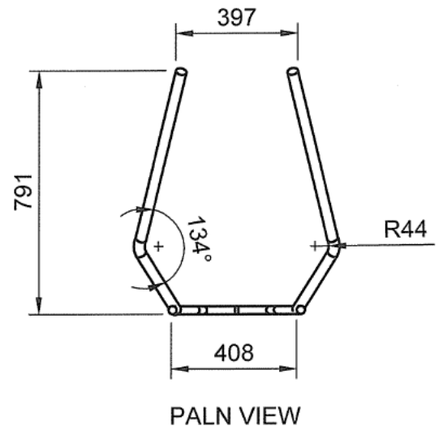
PLAN VIEW



FRONT VIEW

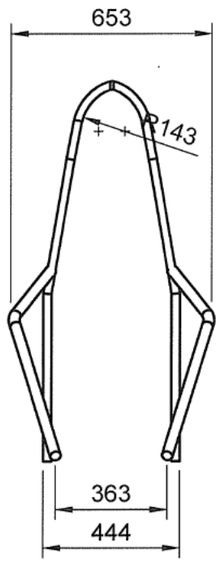
SIDE VIEW

	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 2:1	Date: 22-9-2017
	Part: ROLL BAR FASTNER	Drawn by:	All measurements in mm

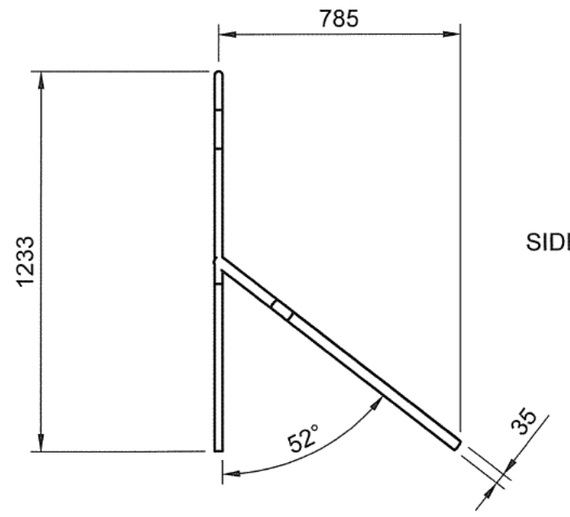


PALN VIEW

VP
HP
VP1

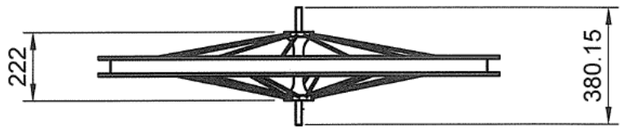


FRONT VIEW



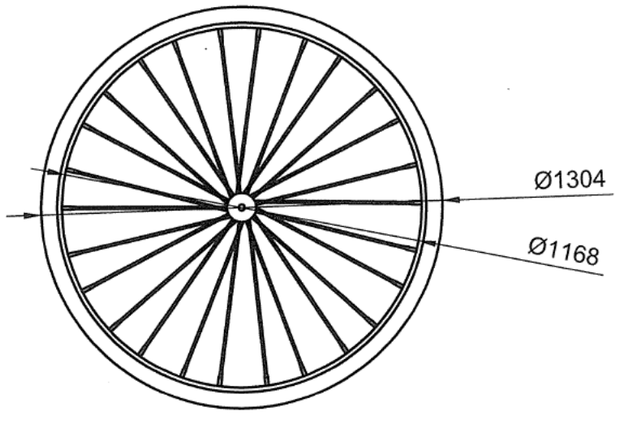
SIDE VIEW

	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:16	Date: 22-9-2017	All measurements in mm
	Part: ROLL CAGE	Drawn by:		

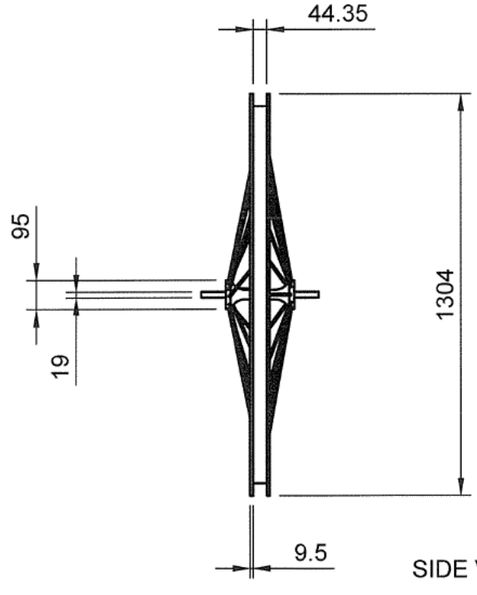


PLAN VIEW

VP
HP
VP

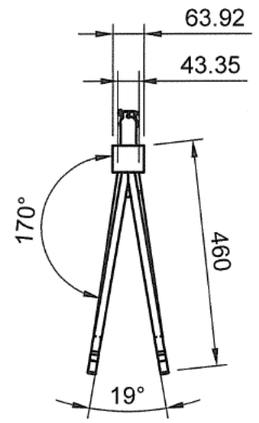


FRONT VIEW

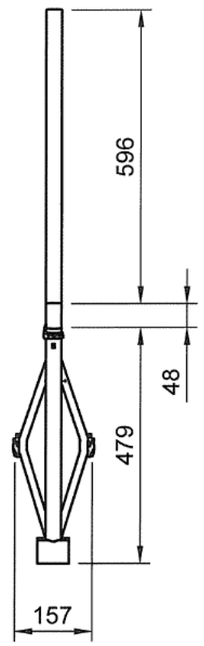


SIDE VIEW

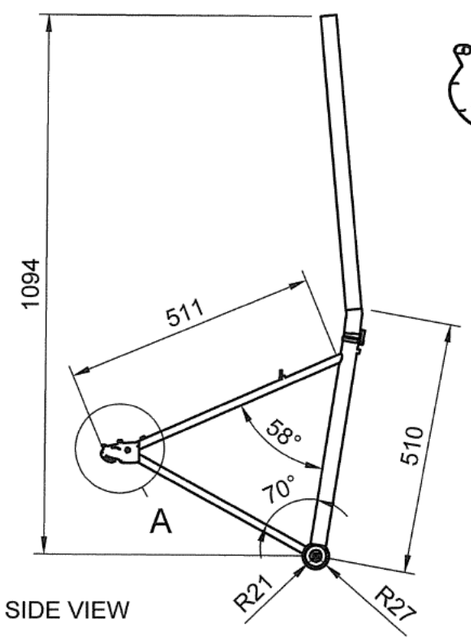
	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:16	Date: 22-9-2017	All measurements in mm
	Part: WHEEL	Drawn by:		



PLAN VIEW

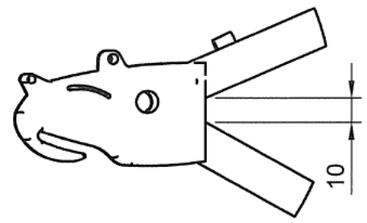


FRONT VIEW



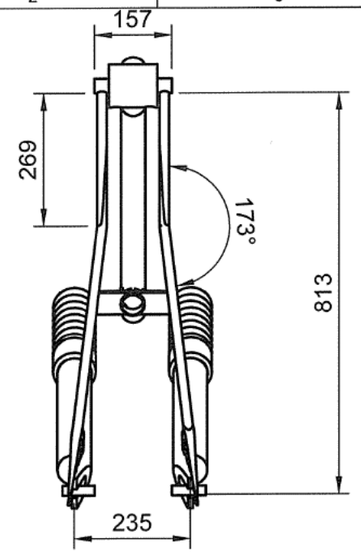
SIDE VIEW

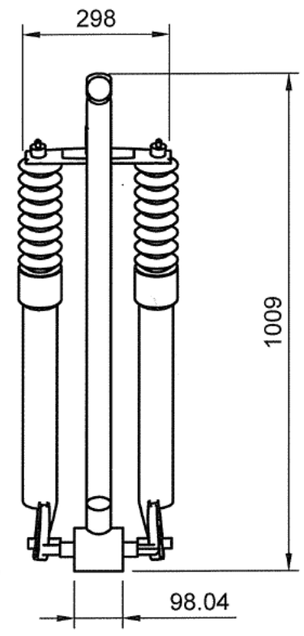
A (1:2)



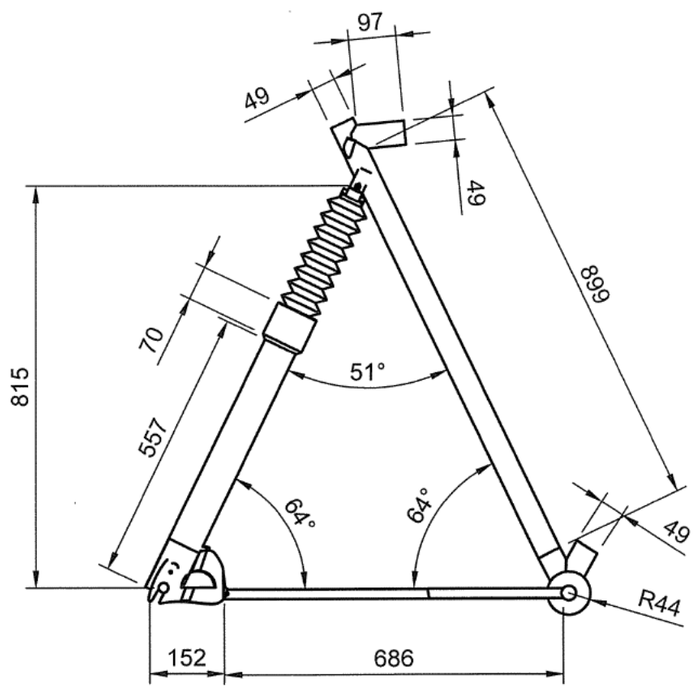
	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1.10	Date: 31-8-2017
	Part: BACK END WITHOUT WHEEL	Drawn by: .	All measurements in mm

PLAN VIEW



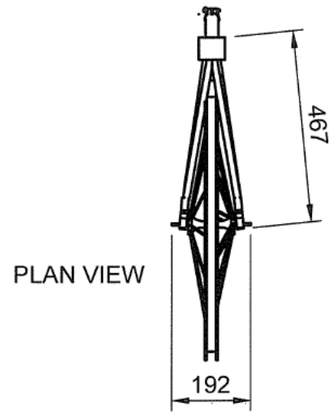


FRONT VIEW



SIDE VIEW

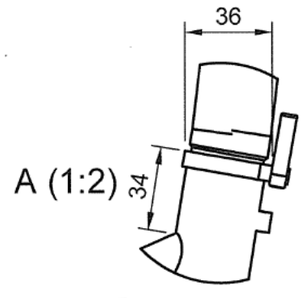
	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:30	Date: 22-9-2017
	Part: REAR END WITH SUSSPENSION	Drawn by:	All measurements in mm



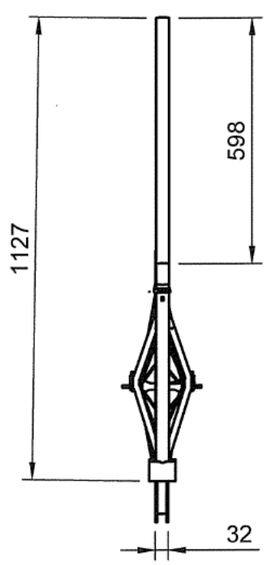
PLAN VIEW

VP

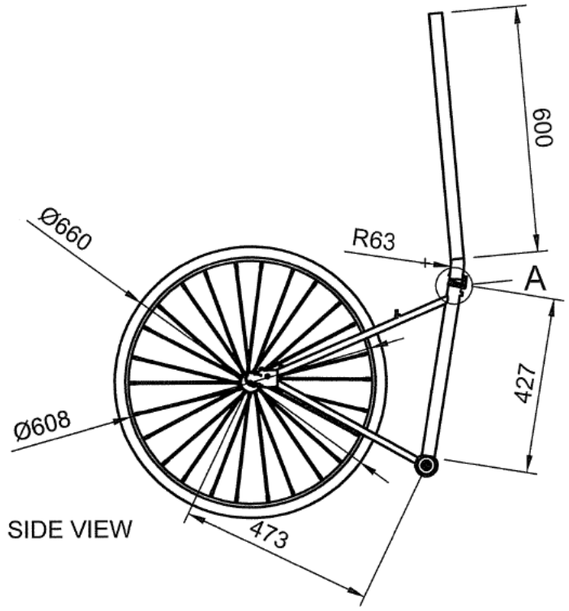
HP VP



A (1:2)



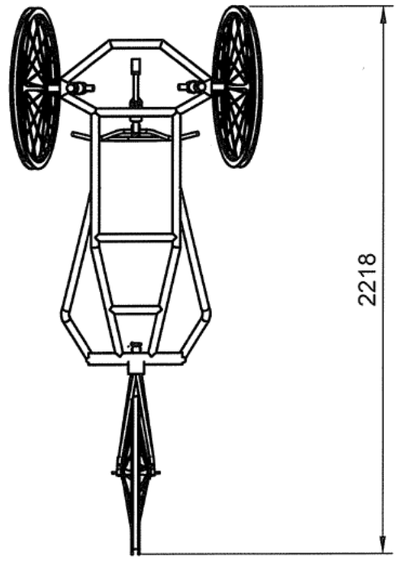
FRONT VIEW

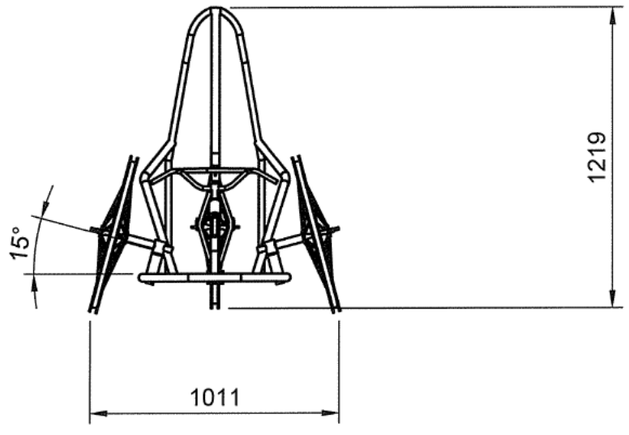


SIDE VIEW

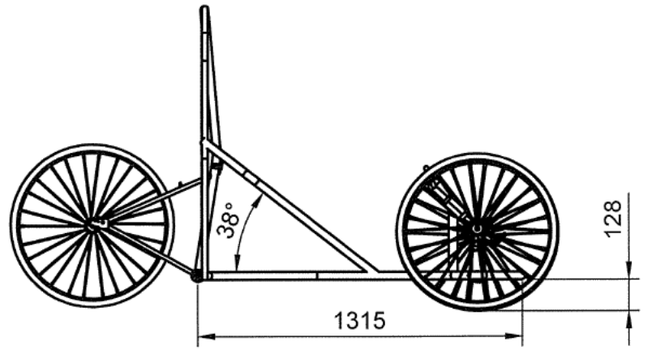
	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:16	Date: 28-8-2017
	Part: COMPLETE BACK END	Drawn by:	All measurements in mm

PLAN VIEW



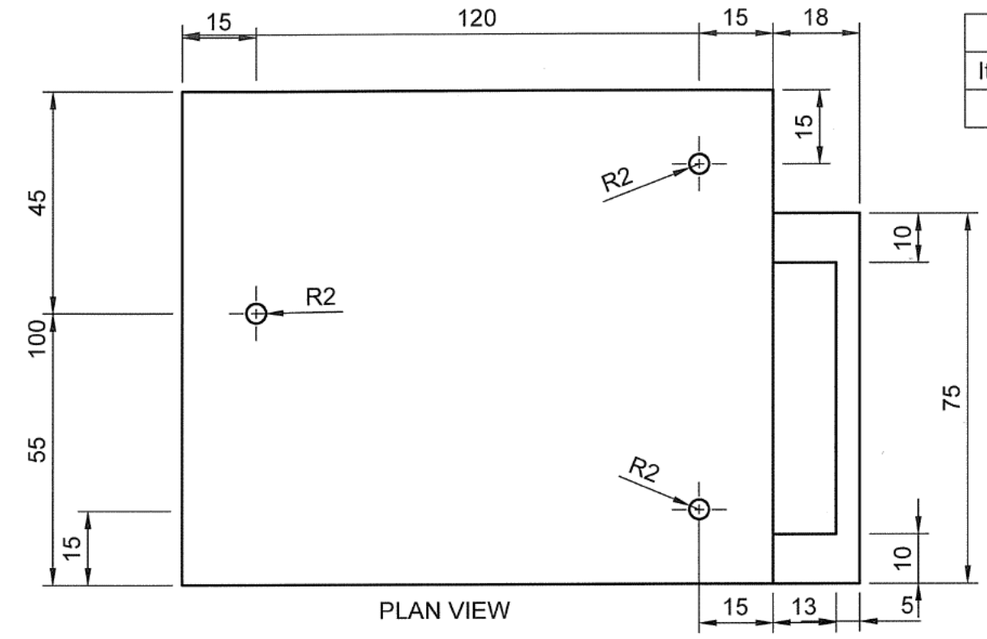


FRONT VIEW

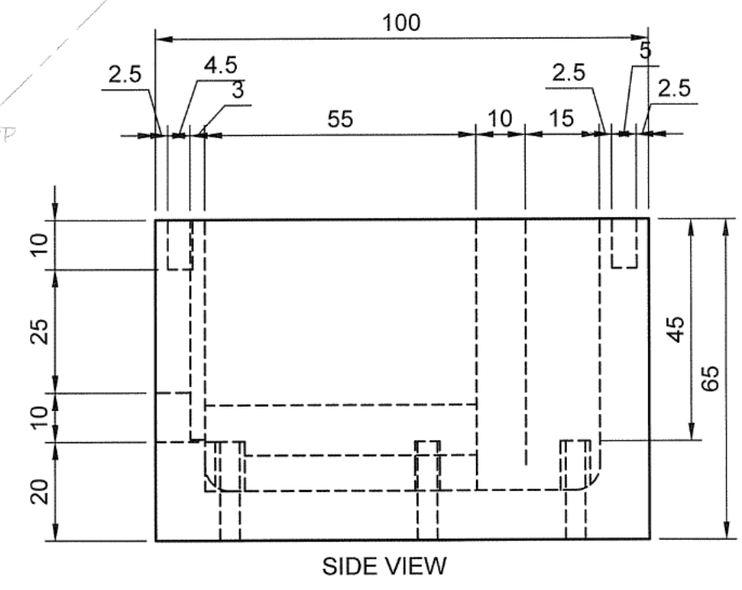


	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:20	Date: 22-9-2017
	Part: FULL GOKART	Drawn by:	All measurements in mm

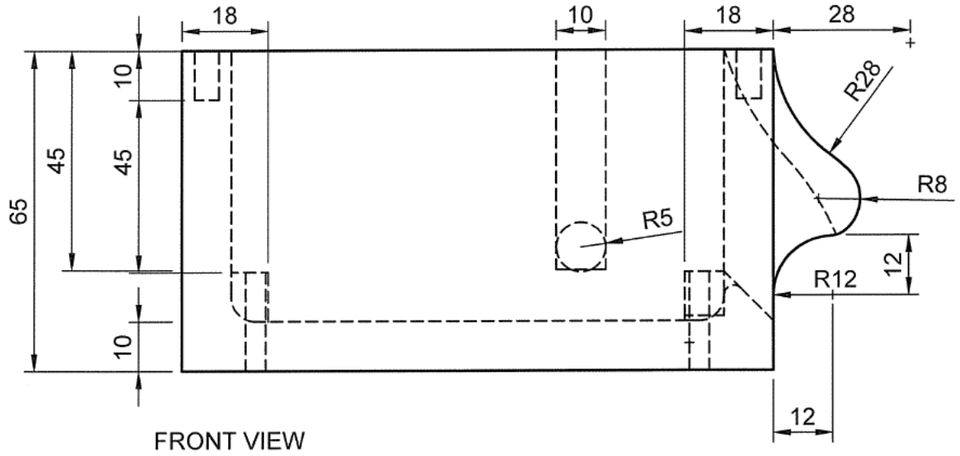
Parts List				
Item	Qty	Part Number	Description	Material
1	1	ECU HOLDER v5		ABS Plastic



PLAN VIEW



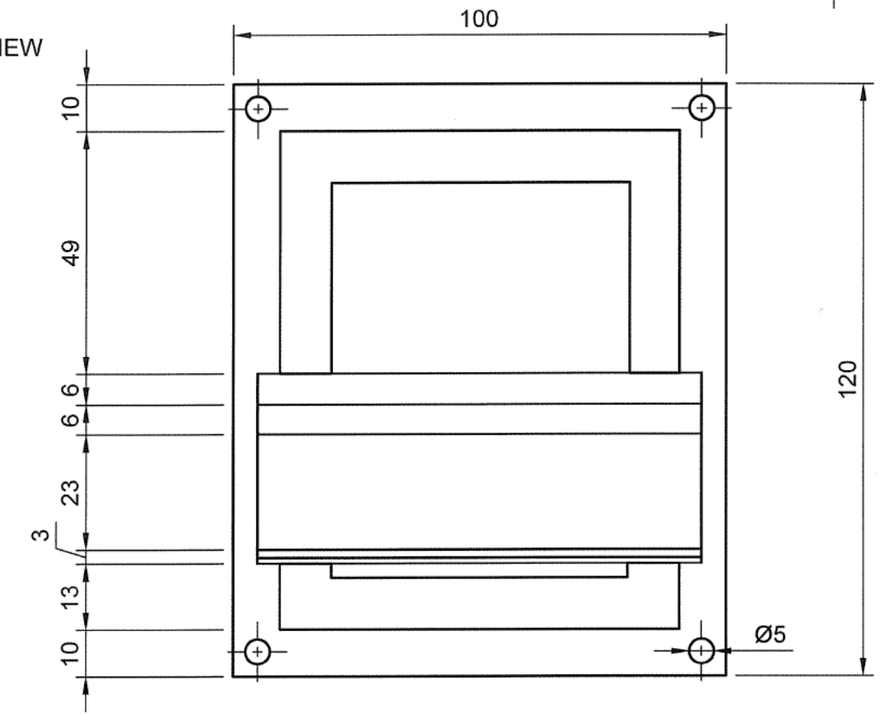
SIDE VIEW



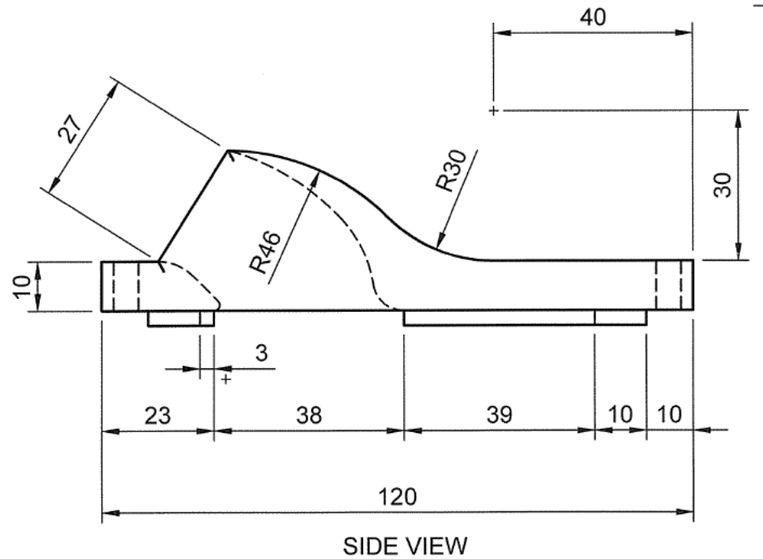
FRONT VIEW

	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:1	Date: 4-9-2017
	Part: ECU HOLDER	Drawn by:	All measurements in mm

PLAN VIEW

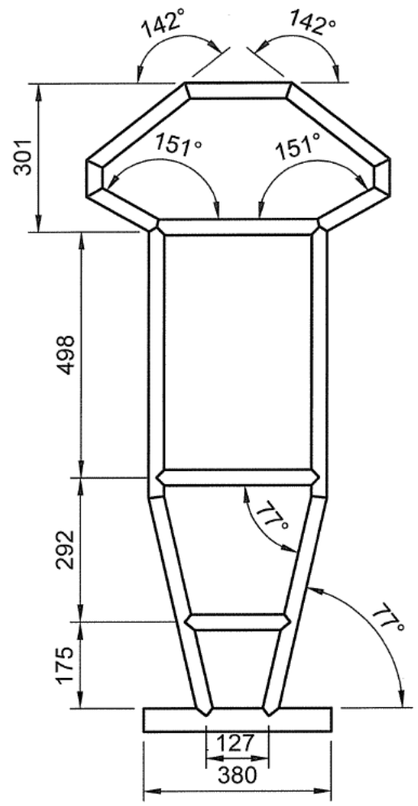


FRONT VIEW

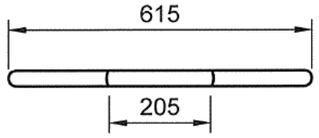


SIDE VIEW

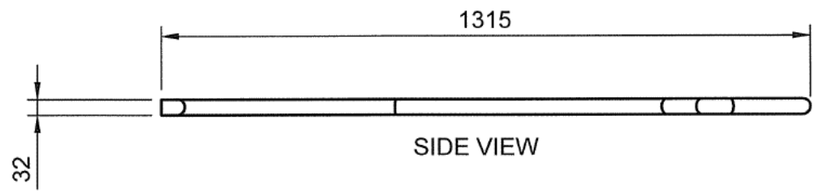
	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:1	Date: 4-9-2017
	Part: ECU LID	Drawn by:	All measurements in mm



PLAN VIEW

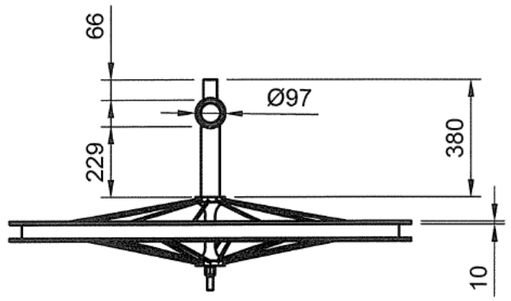


FRONT VIEW



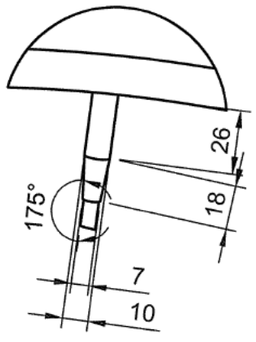
SIDE VIEW

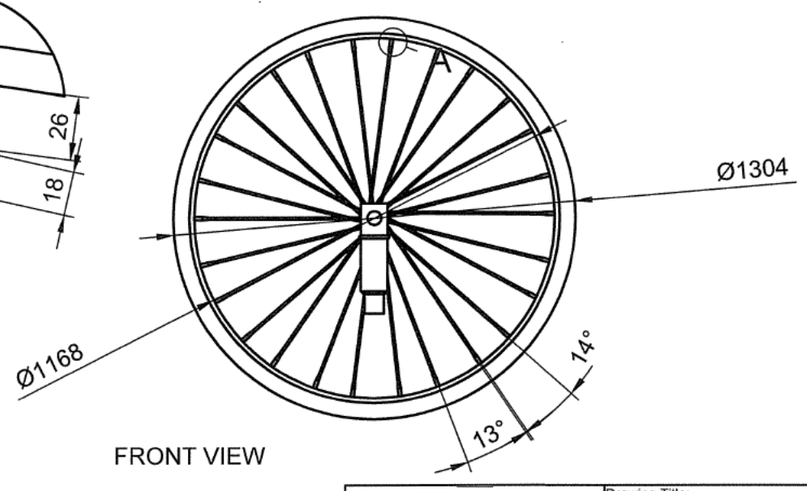
	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:10	Date: 18-9-2017
	Part: FRAME BASE	Drawn by:	All measurements in mm



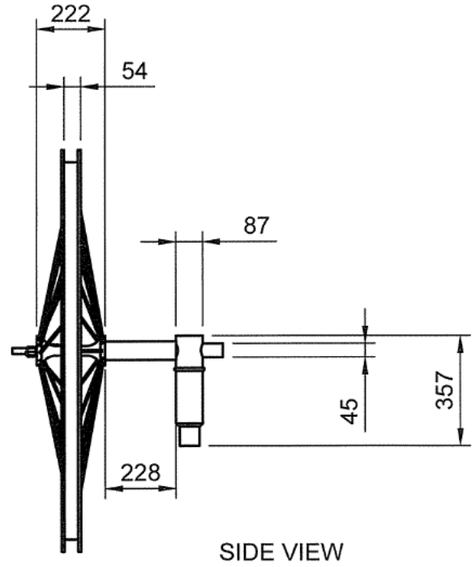
PLAN VIEW

A (1:2)



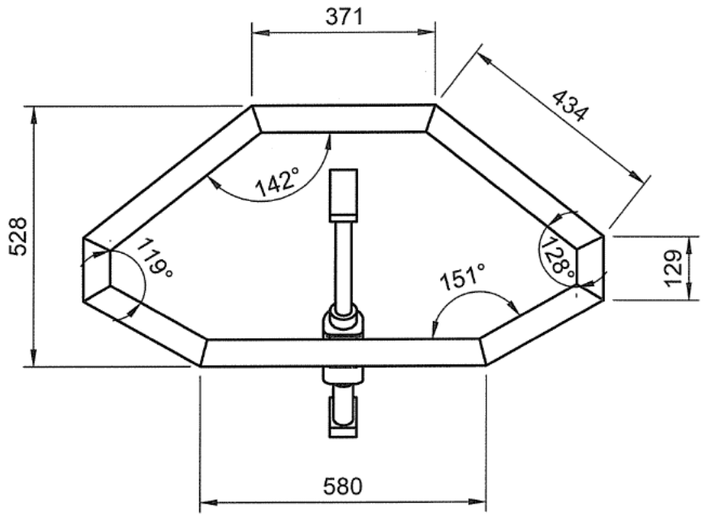


FRONT VIEW

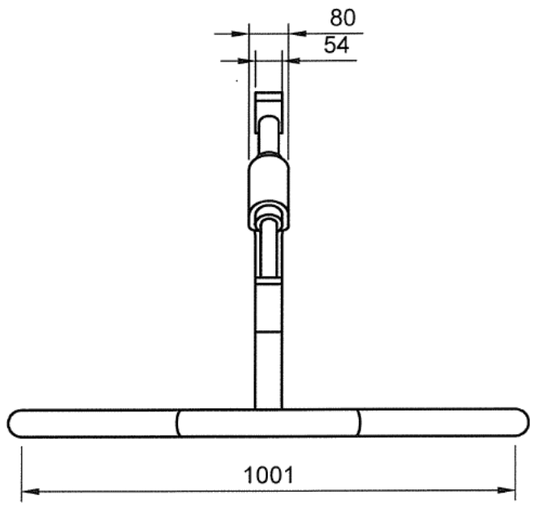


SIDE VIEW

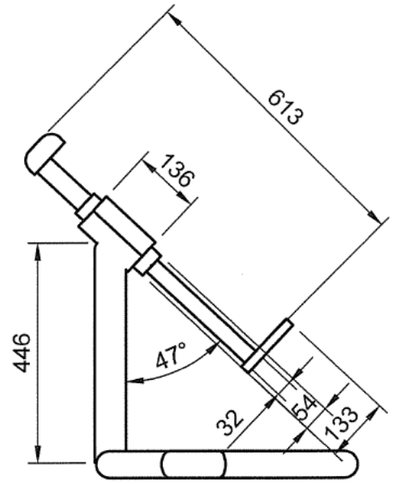
	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:16	Date: 21-9-2017	All measurements in mm
	Part: FRONT WHEELS	Drawn by: .		



PLAN VIEW

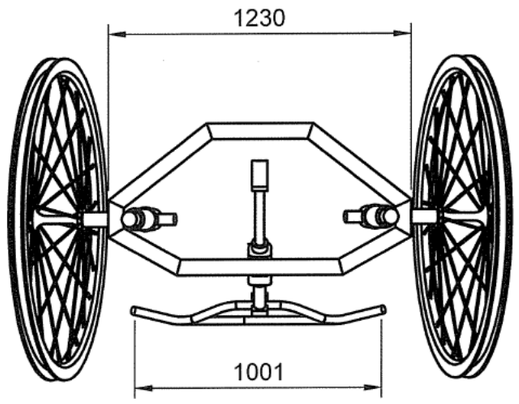


FRONT VIEW

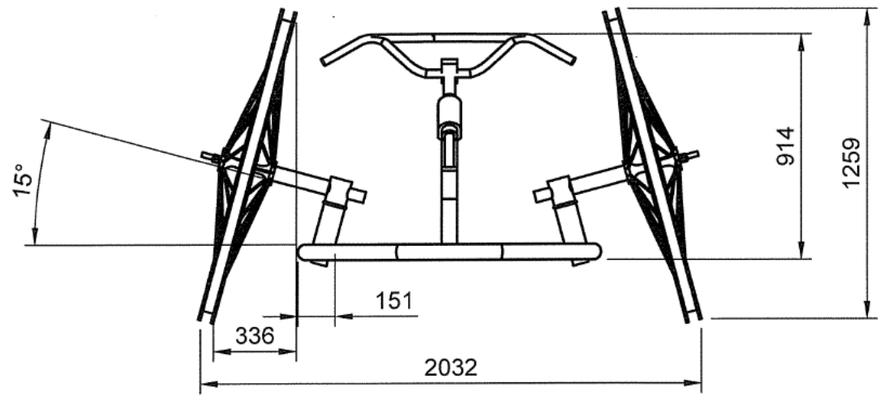


SIDE VIEW

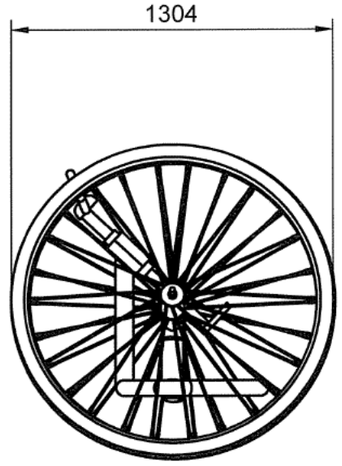
	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:10	Date: 31-8-2017	All measurements in mm
	Part: FRONT WITHOUT WHEELS	Drawn by:		



PLAN VIEW



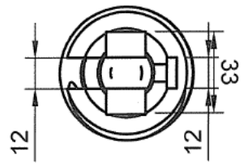
FRONT VIEW



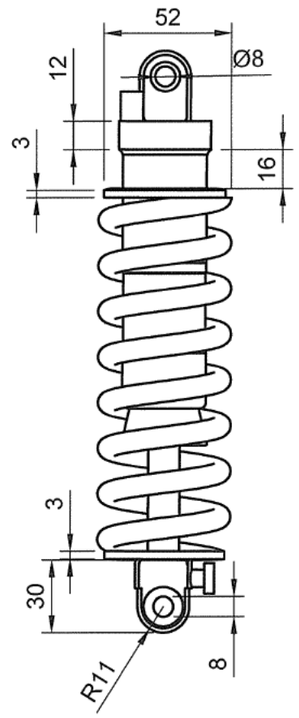
SIDE VIEW

	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:20	Date: 21-9-2017
	Part: FRONT WITH WHEELS	Drawn by:	All measurements in mm

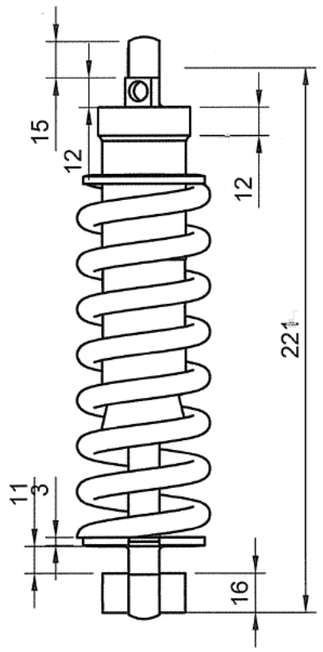
PLAN VIEW



VE
HP
VP



FRONT VIEW



SIDE VIEW

	Drawing Title: ORTHOGRAPHIC DRAWING	Scale: 1:4	Date: 22-9-2017	All measurements in mm
	Part: SUSSPENTION	Drawn by: .		

AS 91631 (3.34): Produce working drawings to communicate production details for a complex design (6 credits)

Achievement	Achievement with Merit	Achievement with Excellence
Produce working drawings to communicate production details for a complex design.	Produce working drawings to clearly communicate production details for a complex design.	Produce working drawings to effectively communicate production details for a complex design.
• Produce a **set of related instrumental** working drawings showing **exterior and interior detail** of components **related** to the construction and assembly of a **complex** design. • Demonstrate an ability to use **drawing conventions and presentation techniques** to communicate details of a complex design.	• Produce a **precise** set of related instrumental working drawings showing exterior and interior detail of components that **explains** the construction and assembly of a complex design. • Demonstrate an ability to **accurately apply** drawing conventions and presentation techniques to **clearly** communicate details of a complex design.	• Produce a precise and **cohesive** set of related instrumental working drawings through the **appropriate selection of views and modes** that **enable** the construction and / or assembly of a complex design. • Demonstrate an ability to accurately apply drawing conventions and presentation techniques to clearly communicate **production** details of a complex design.

Commentary: This submission is assessed at Low Achievement.

It shows plans for a bicycle and is a mixture of CAD and hand drawn.

This includes (helping it meet the grade):

- a set of related complex drawings of multiple components.
- CAD drawings that help meet precision and accuracy
- the use of drawing conventions such recognised scales, dimensioning and titling. Unfortunately it has been let down by trying to incorrectly include reference plane lines to show projection of views (not required at this level). These have been hand drawn after printing with many of the end views not lining up if projected from the plan view.

Even though there is a range of views shown here there appears to be two or more bikes involved. Hence only one design was assessed.

Even though the submission shows a large number of third angle orthographic drawings of some of the components of the design there is only a limited number of details, one auxiliary view and one enlargement which do not really help explain the design.

Similarly there is minimal information to help explain how the design would be assembled.

The use of sectional views and better selection of details would have helped this submission to meet the “clearly communicate details of a complex design” requirement.