

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN MILLIMETERS
 SURFACE FINISH:
 TOLERANCES:
 LINEAR: DIN ISO 2768-m
 ANGULAR:

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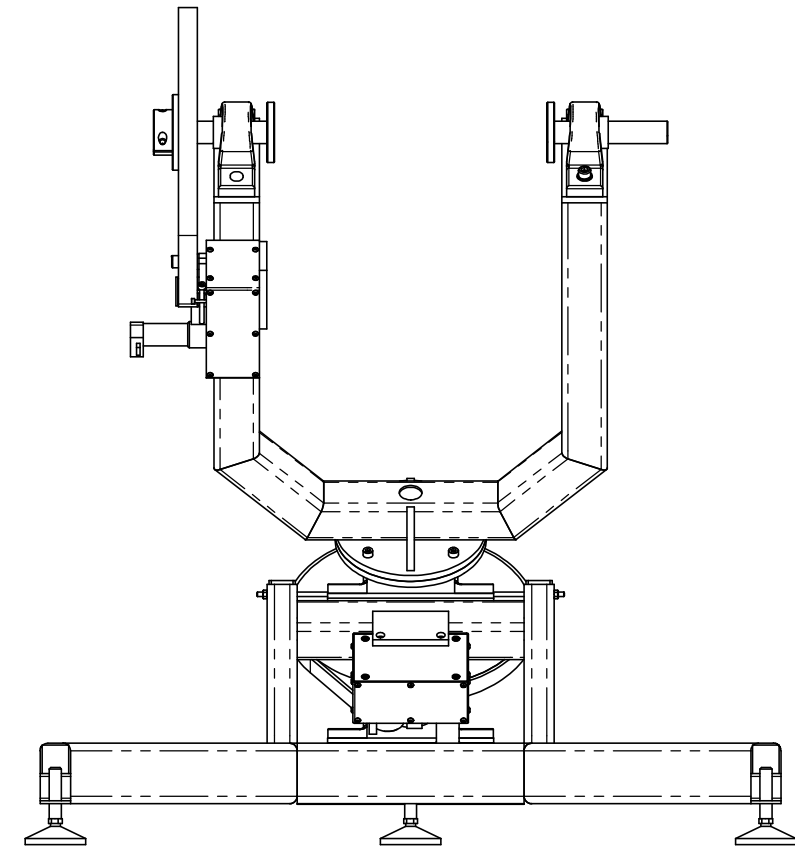
DRAWN :	
NAME	GW
DATE	27-2-12
FINISH:	

TITLE:	PIEN MOUNT	
DWG NO:		

MATERIAL:	
www.kijkerbouw.be	

Pien Mount V1	A3
SCALE:1:10	SHEET 1 OF 5

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Base Frame	BASE FRAME	1
2	UCP211		2
3	frame drive RH	Frame Drive RH	2
4	shaft drive output	Shaft Output Drive	2
5	SKF - 608 - 8,SI,NC,8_68		4
6	Circlip DIN 471 - 8 x 0.8		4
7	friction wheel middle drive	Middle Wheel	2
8	shaft drive middle	Middle Shaft	2
9	friction wheel large drive	Friction Wheel Large	4
10	stud spacer	Spacer Frame Drive	8
11	SKF - 635 - 6,SI,NC,6_68		6
12	Pittman8224		2
13	Pulley5M25Z22	Pulley 5M B=25 Z=22	2
14	Shaft drive motor	Shaft Motor	2
15	Circlip DIN 471 - 5 x 0.6		6
16	shaft coupling	Shaft Coupling	2
17	frame drive LH	Frame drive LH	2
18	SKF - 6000 - 8,SI,NC,8_68		6
19	ISO 4762 M10 x 35 --- 35N		2
20	Arm Tensioner	Tensioner Arm	2
21	Washer ISO 7089 - 10		2
22	ISO 7379 - 8 x 12 --- N		2
23	Tensioner Block	Tensioner Block	2
24	ISO 4762 M4 x 20 --- 20N		4
25	ISO 4762 M5 x 12 --- 12N		16
26	ISO 4762 M6 x 60 --- 24N		2
27	Cover Drive	Cover Drive	4
28	ISO 7380 - M4 x 8 --- 8N		40
29	LVA80-14-M16x68		3
30	Azadjust	Azimuth Adjust	2
31	Hexagon Nut ISO - 4032 - M6 - W - N		2
32	ISO 4762 M12 x 35 --- 35N		4
33	Washer ISO 7093 - 12		4
34	Belt RA	Belt RA Config	1
35	Fork Frame	Fork 30cm	1
36	UCP206		2
37	DEC Shaft	DEC Shaft	2
38	RA Shaft	RA Shaft	1
39	Drive Belt Disk	Drive Disk	2
40	support belt disk	SUPPORT BELT DISK RA	1
41	ISO 4762 M8 x 20 --- 20N		4
42	ISO 4762 M10 x 30 --- 30N		2
43	Washer ISO 7090 - 10		2
44	support belt disk DEC	Support BeltDisk DEC	1
45	Belt DEC	Belt DEC Config.	1



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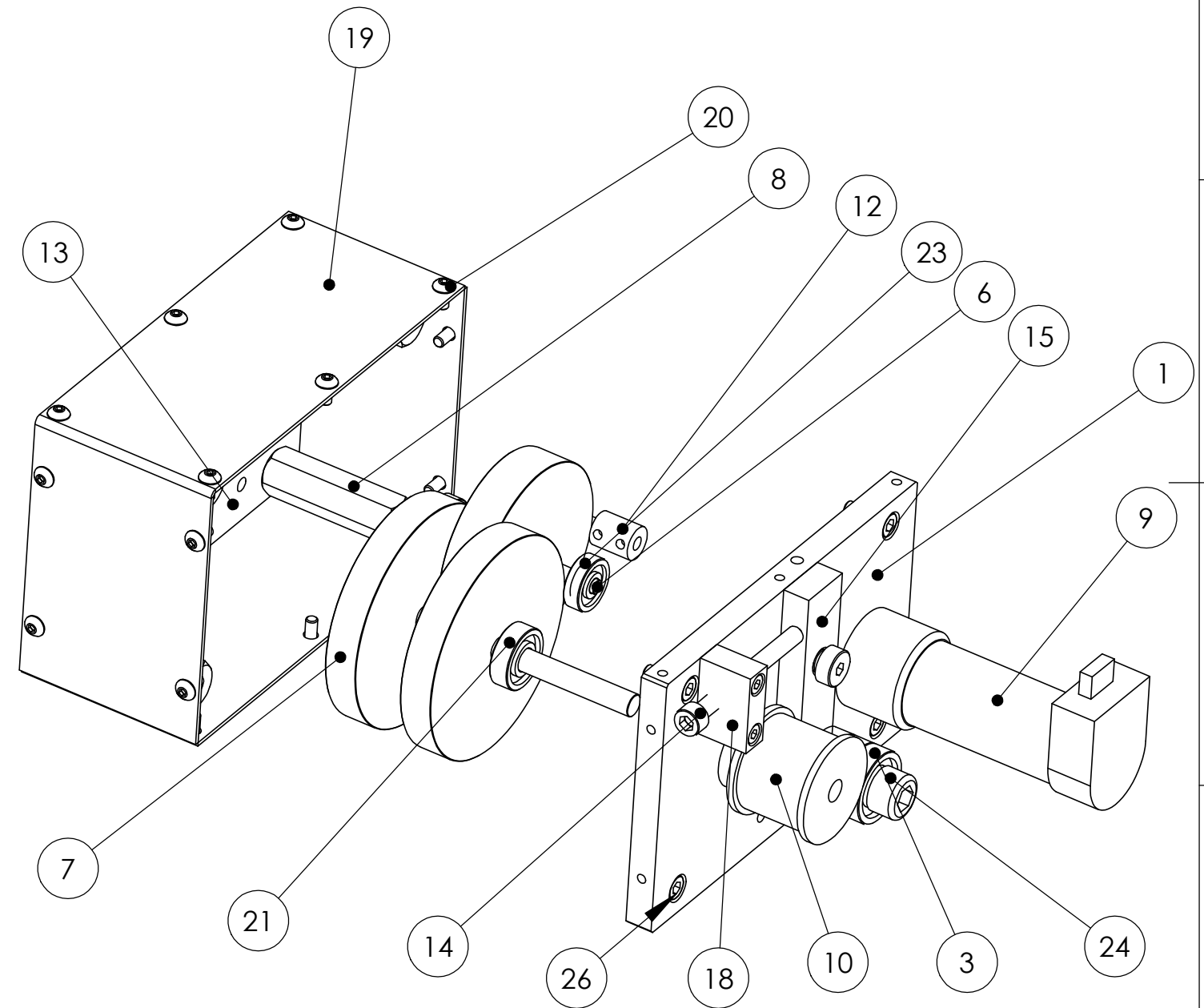
DRAWN :
 NAME: GW
 DATE: 27-2-12
 FINISH:

TITLE:
PIEN MOUNT

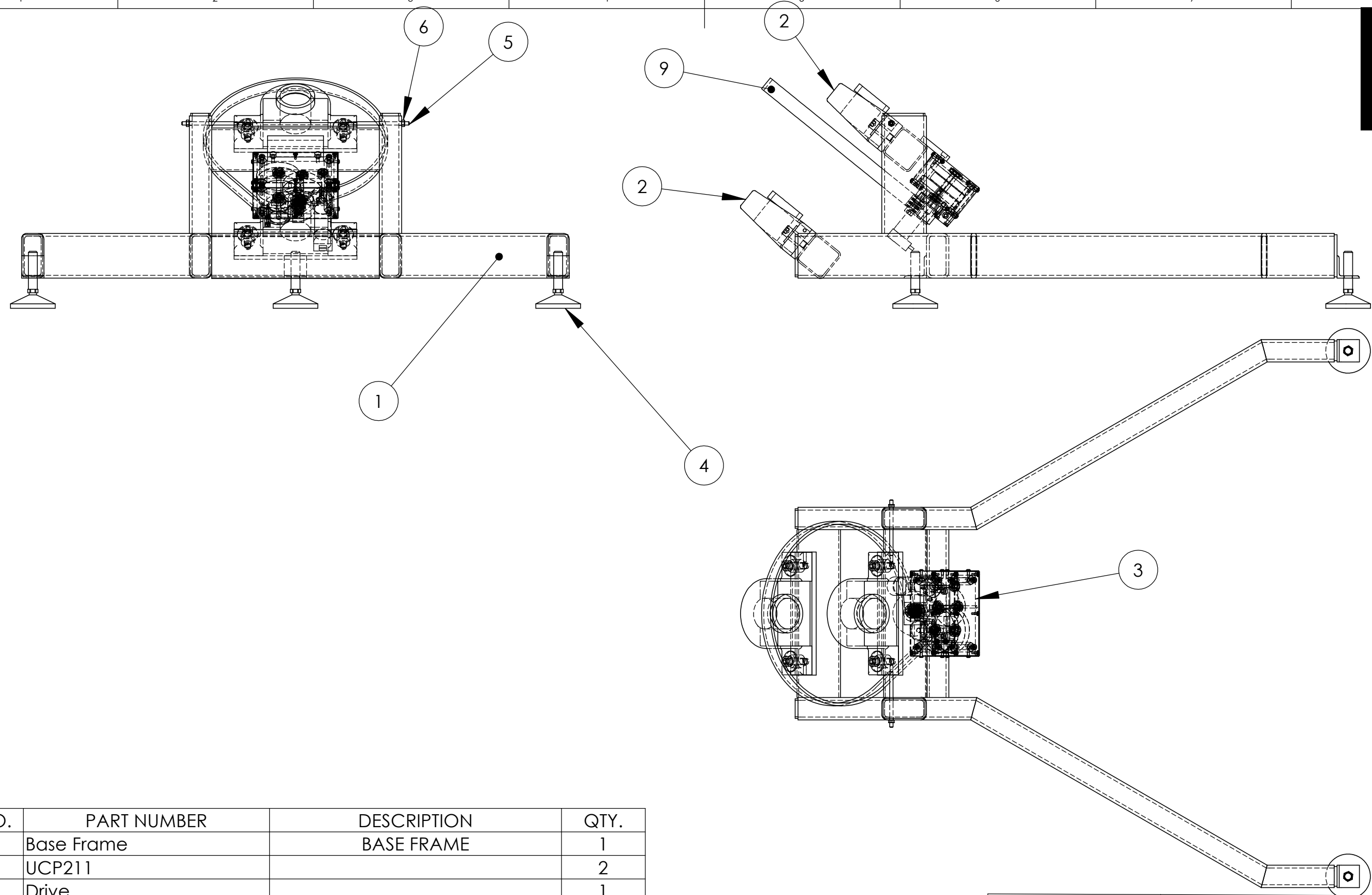
MATERIAL:
 www.kijkerbouw.be

DWG NO:
Pien Mount V1
 SCALE:1:10
 SHEET 2 OF 5

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	frame drive RH	Frame Drive RH	1
2	shaft drive output	Shaft Output Drive	1
3	SKF - 6000 - 8,SI,NC,8_68		3
4	Circlip DIN 471 - 5 x 0.6		3
5	friction wheel middle drive	Middle Wheel	1
6	shaft drive middle	Middle Shaft	1
7	friction wheel large drive	Friction Wheel Large	2
8	stud spacer	Spacer Frame Drive	4
9	Pittman8224		1
10	Pulley5M25Z22	Pulley 5M B=25 Z=22	1
11	Shaft drive motor	Shaft Motor	1
12	shaft coupling	Shaft Coupling	1
13	frame drive LH	Frame drive LH	1
14	ISO 4762 M6 x 60 --- 24N		1
15	Arm Tensioner	Tensioner Arm	1
16	Washer ISO 7089 - 10		1
17	ISO 7379 - 8 x 12 --- N		1
18	Tensioner Block	Tensioner Block	1
19	Cover Drive	Cover Drive	2
20	ISO 7380 - M4 x 8 --- 8N		20
21	SKF - 608 - 8,SI,NC,8_68		2
22	Circlip DIN 471 - 8 x 0.8		2
23	SKF - 635 - 6,SI,NC,6_68		3
24	ISO 4762 M10 x 35 --- 35N		1
25	ISO 4762 M4 x 20 --- 20N		2
26	ISO 4762 M5 x 12 --- 12N		8



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NAME	DRAWN :	TITLE:		
DATE				
FINISH:				
MATERIAL:		DWG NO:	Pien Mount V1	
www.kijkerbouw.be		SCALE:1:2	SHEET 3 OF 5	



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Base Frame	BASE FRAME	1
2	UCP211		2
3	Drive		1
4	LVA80-14-M16x68		3
5	Azadjust	Azimuth Adjust	2
6	Hexagon Nut ISO - 4032 - M6 - W - N		2
7	ISO 4762 M12 x 35 --- 35N		4
8	Washer ISO 7093 - 12		4
9	Belt RA	Belt RA Config	1

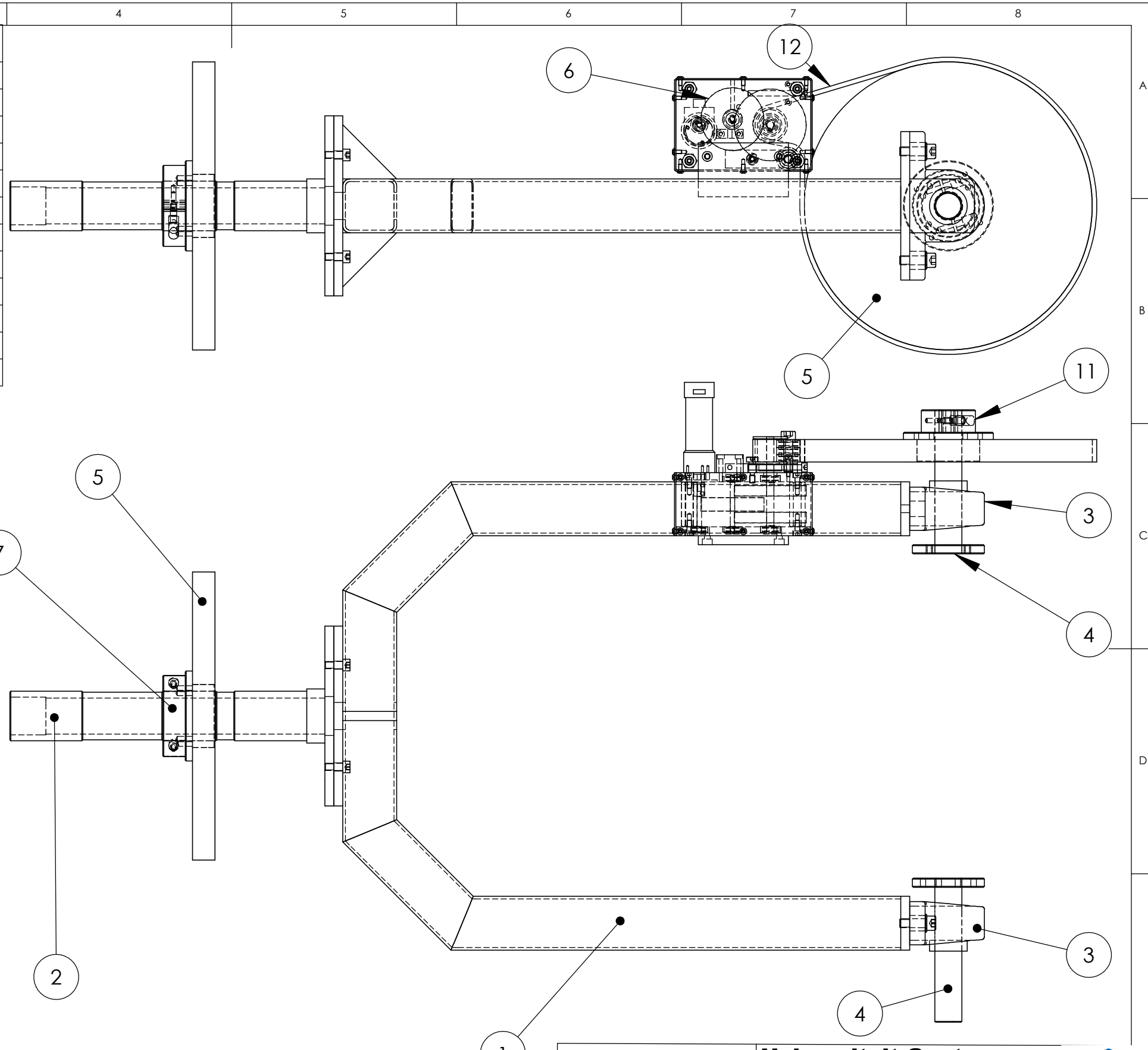
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DRAWN :	TITLE:
NAME	
DATE	
FINISH:	
MATERIAL:	DWG NO:
	Pien Mount V1
www.kijkerbouw.be	SCALE:1:7
	SHEET 4 OF 5

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Fork Frame	Fork 30cm	1
2	RA Shaft	RA Shaft	1
3	UCP206		2
4	DEC Shaft	DEC Shaft	2
5	Drive Belt Disk	Drive Disk	2
6	Drive		1
7	support belt disk	SUPPORT BELT DISK RA	1
8	ISO 4762 M8 x 20 --- 20N		4
9	ISO 4762 M10 x 30 --- 30N		2
10	Washer ISO 7090 - 10		2
11	support belt disk DEC	Support BeltDisk DEC	1
12	Belt DEC	Belt DEC Config.	1



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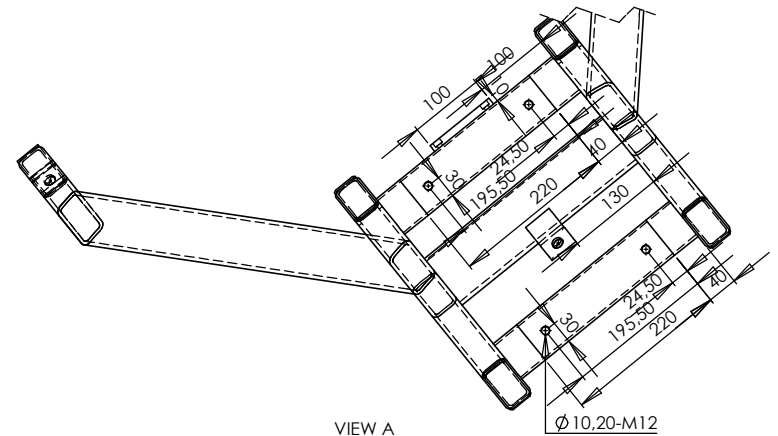
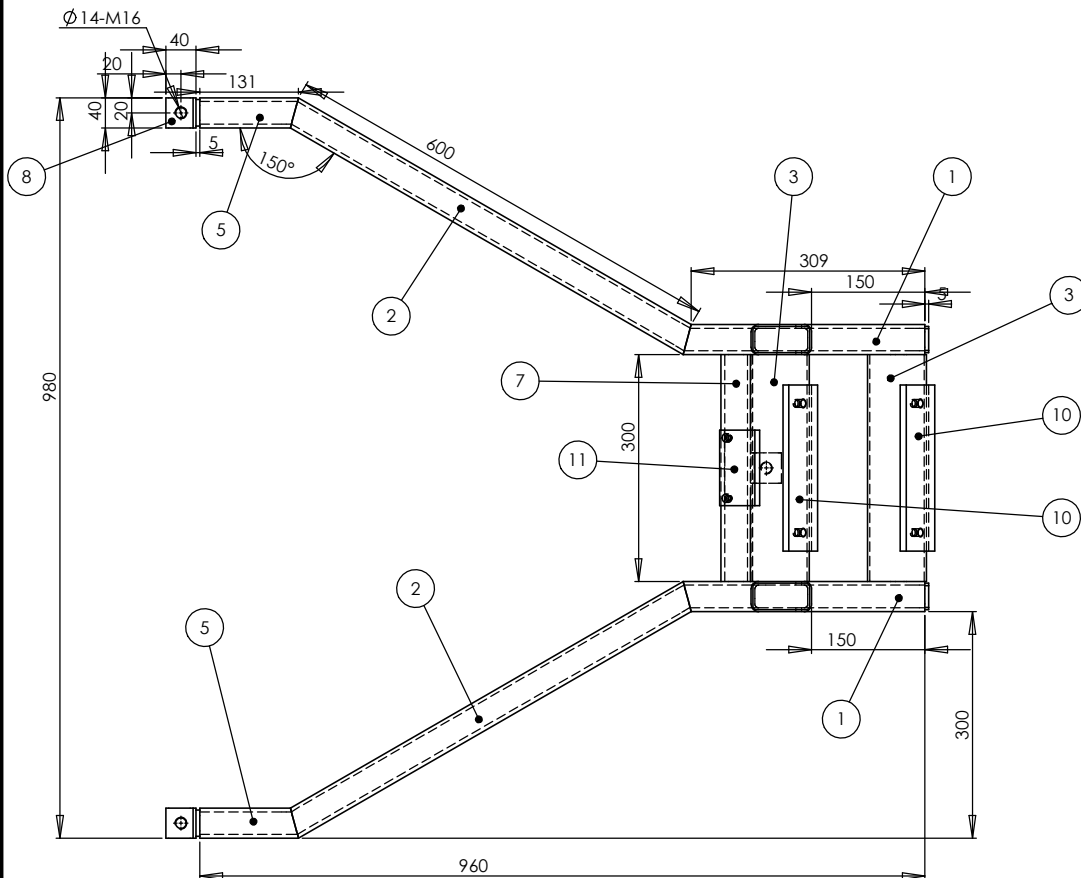
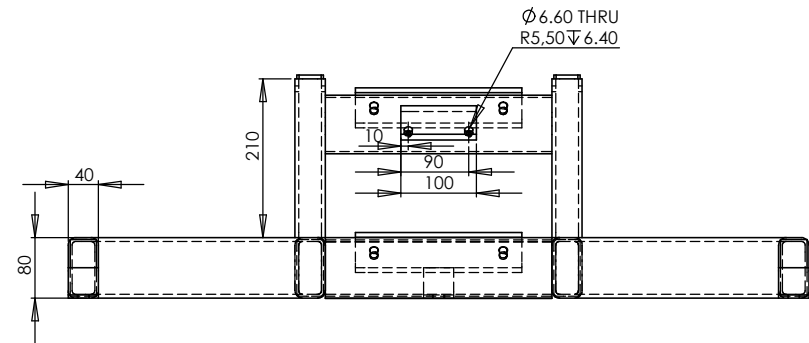
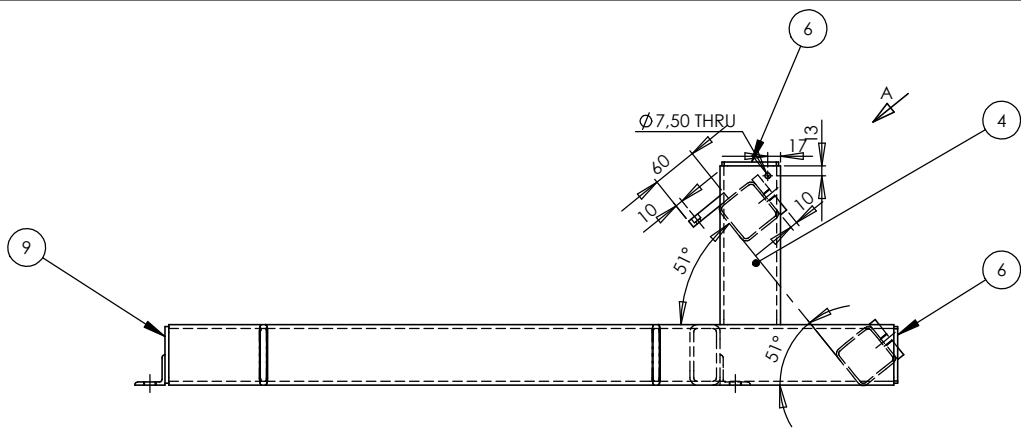
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NAME	DRAWN :	TITLE:
DATE		
FINISH:		
MATERIAL:		DWG NO:

Pien Mount V1 A3

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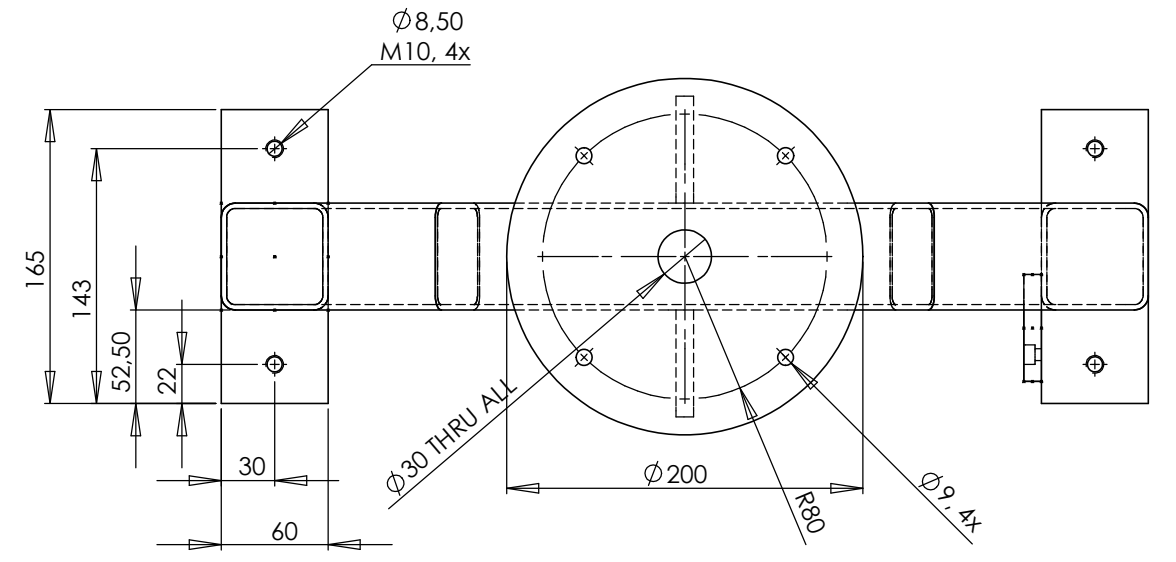
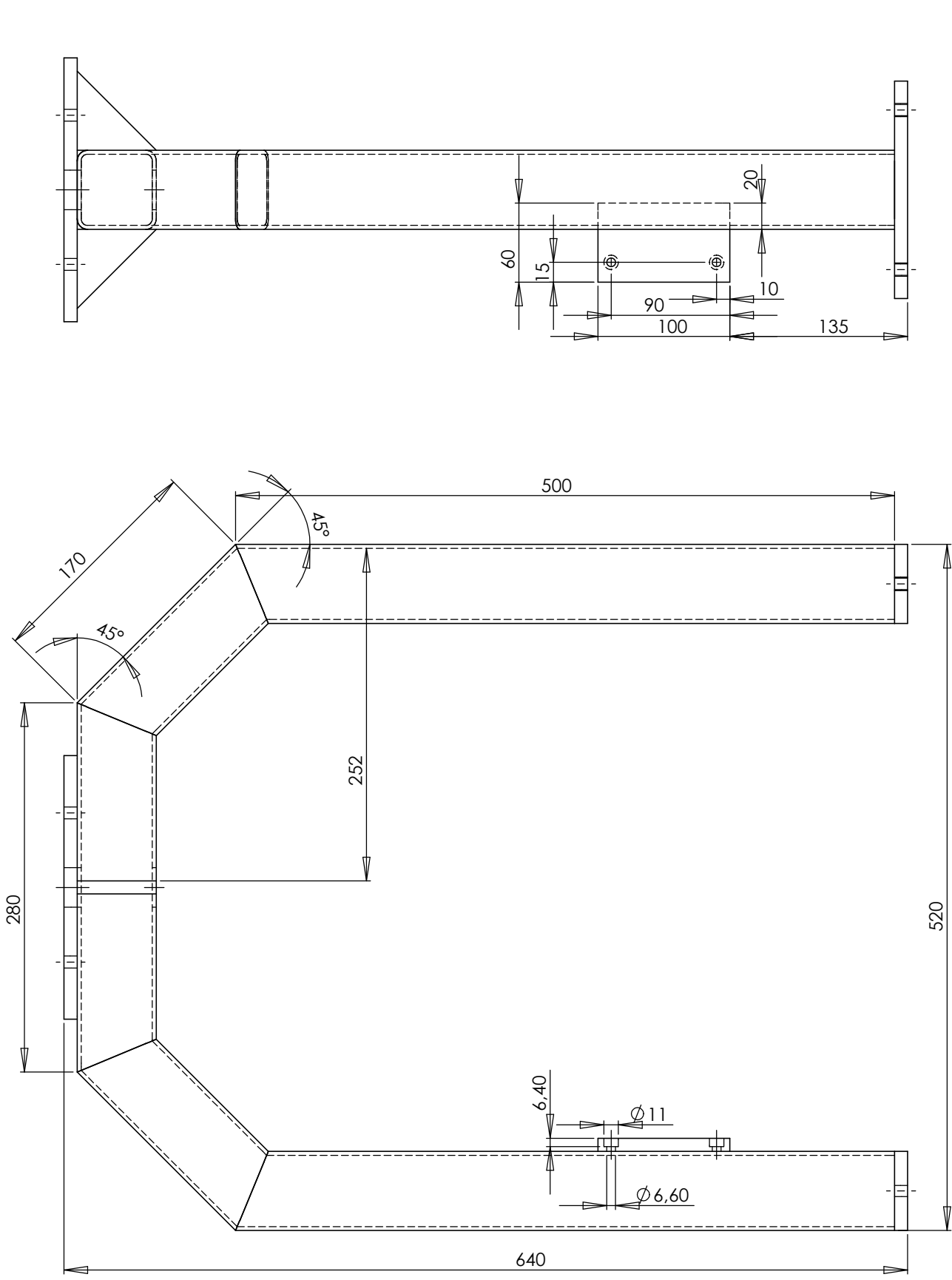
Required total length tube 80x40mm : 3000mm

ITEM NO.	QTY.	LENGTH	ANGLE1	ANGLE2	DESCRIPTION	MATERIAL
1	2	320	15.00	0.00	TUBE, RECTANGULAR 80 X 40 X 5	1060 Alloy
2	2	610.72	15.00	15.00	TUBE, RECTANGULAR 80 X 40 X 5	1060 Alloy
3	2	300	0.00	0.00	TUBE, SQUARE 60 X 60 X 3	1060 Alloy
4	2	210	0.00	0.00	TUBE, RECTANGULAR 80 X 40 X 5	1060 Alloy
5	2	130.72	0.00	15.00	TUBE, RECTANGULAR 80 X 40 X 5	1060 Alloy
6	4	70	0.00	0.00	SOLID 35 x 5	St37
7	1	300	0.00	0.00	TUBE, RECTANGULAR 80 X 40 X 5	1060 Alloy
8	3	40	0.00	0.00	L 40 X 40 X 4	1060 Alloy
9	2	70	0.00	0.00	SOLID 35 x 5	St37
10	2	220	0.00	0.00	SOLID, RECTANGULAR 60 X 10	1060 Alloy
11	1	100	0.00	0.00	SOLID, RECTANGULAR 60 X 10	1060 Alloy

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NAME	SIGNATURE	DATE	TITLE: BASE FRAME			
DRAWN			DWG NO. Base Frame			
CHECKED			SCALE: 1:5			
APPROVED			SHEET 1 OF 1			
MFG			MATERIAL: St37			
D.A.			WEIGHT:			

ITEM NO.	QTY.	LENGTH	ANGLE1	ANGLE2	DESCRIPTION	MATERIAL
1	2	500	22.50	0.00	TUBE, SQUARE 60 X 60 X 3	1060 Alloy
2	2	170	22.50	22.50	TUBE, SQUARE 60 X 60 X 3	1060 Alloy
3	2	60	0.00	0.00	SOLID 60x 10	1060 Alloy
4	2	165	0.00	0.00	SOLID, RECTANGULAR 60 X 10	1060 Alloy
5	1	100	0.00	0.00	SOLID, RECTANGULAR 60 X 10	1060 Alloy
6	1	280	22.50	22.50	TUBE, SQUARE 60 X 60 X 3	1060 Alloy
7	1				Disk 200 x 10	1060 Alloy

Total Length 60x60 tube : 1800mm



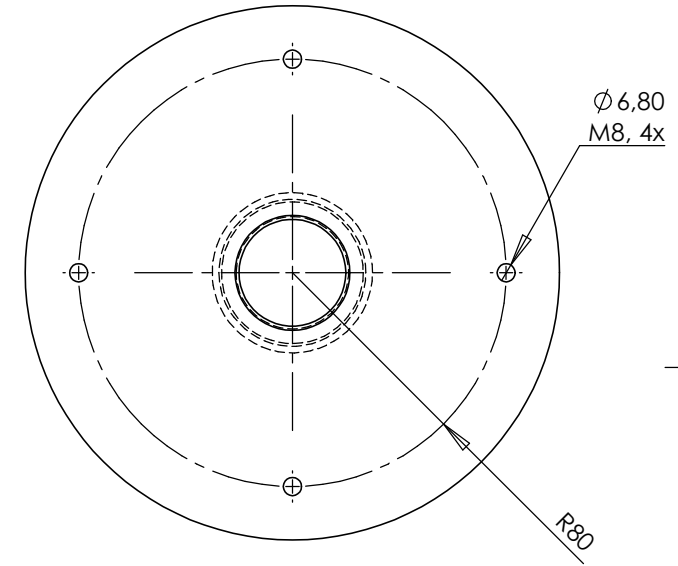
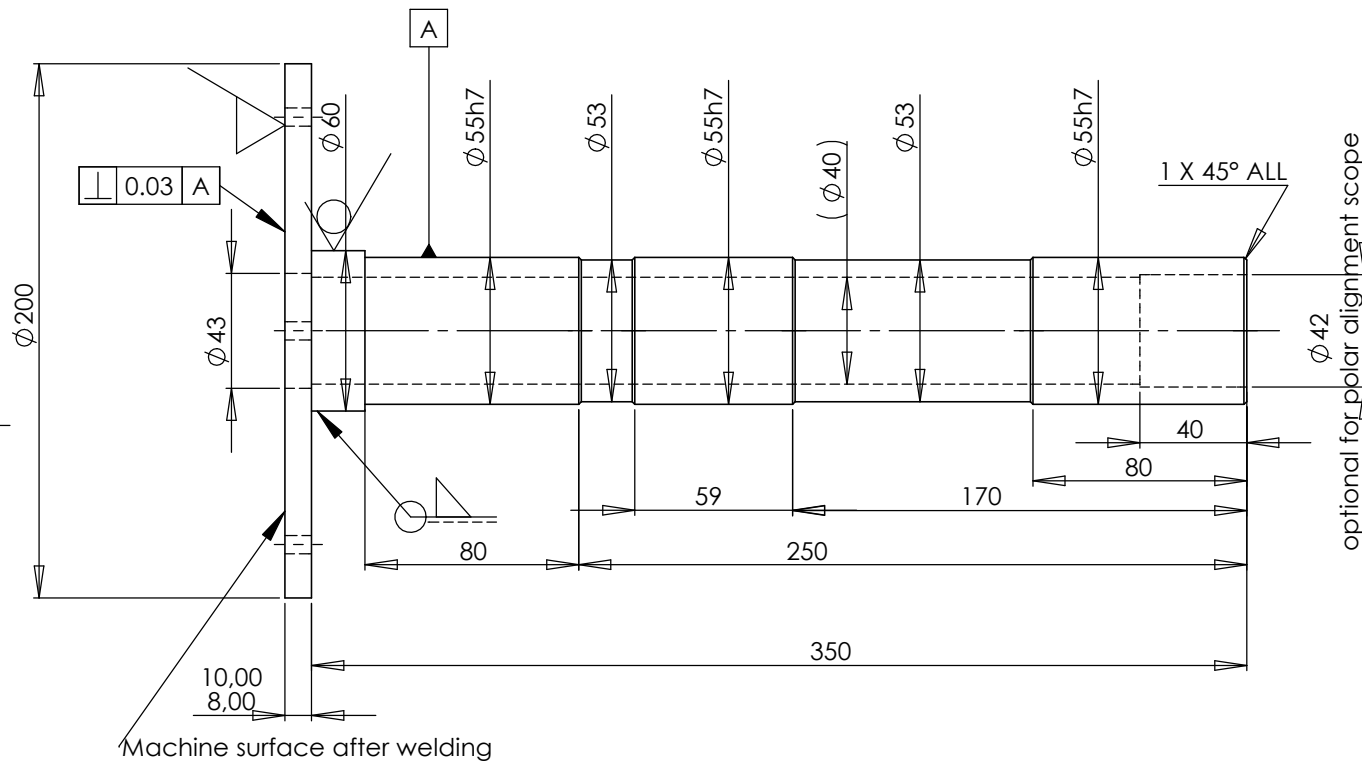
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS		FINISH: Powder coating		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
SURFACE FINISH:									
TOLERANCES:									
LINEAR:									
ANGULAR:									
DRAWN	NAME	SIGNATURE	DATE			TITLE: Fork 30cm			
CHKD									
APPVD									
MFG									
Q.A				MATERIAL:		DWG NO.		Fork Frame	
				WEIGHT:		SCALE:1:3		SHEET 1 OF 1	
								A2	


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ITEM NO.	PART NUMBER	Material	Dimensions	Length	QTY.
1	RA Shaft Tube	St37	dia 60x 10 mm	350 mm	1
2	RA Shaft Plate	St37	Dia 200 x 10mm		1

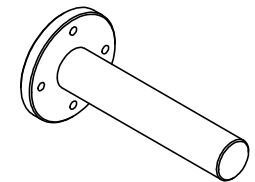
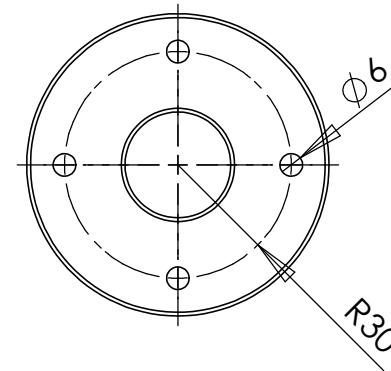
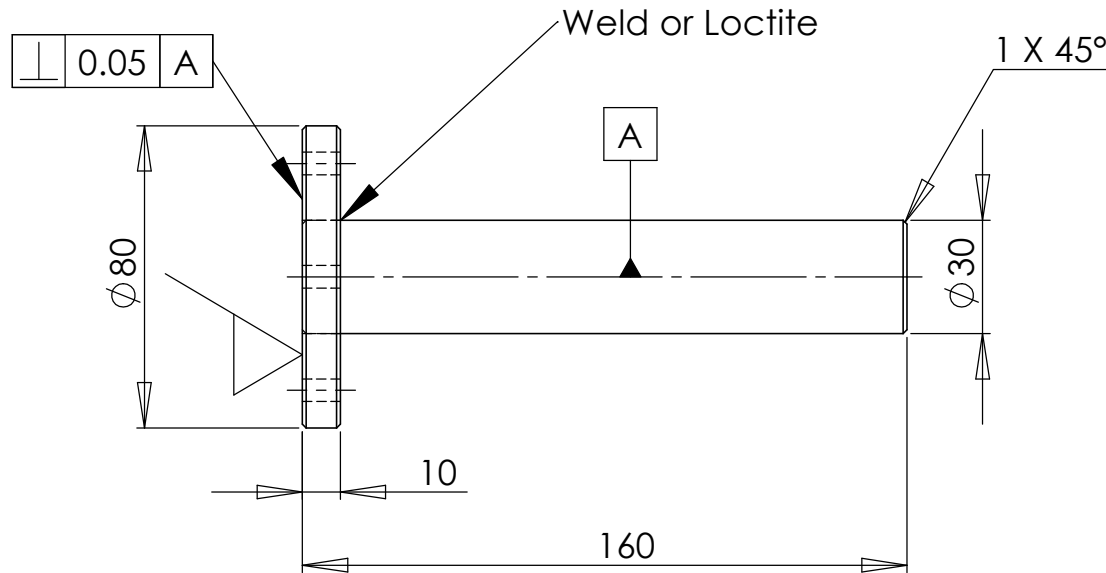


Paint part with anti-corrosion paint.
Do NOT PAINT bearing seatings dia55h7 !!



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DRAWN : NAME : GW DATE : 28-2-12 FINISH:		TITLE: RA Shaft		
MATERIAL:		DWG. NO. RA Shaft		A3
www.kijkerbouw.be		SCALE:1:2		SHEET 1 OF 1

ITEM NO.	PART NUMBER	Material	Length	QTY.
1	DEC Shaft	RVS dia 35	160	1
2	DEC Plate	RVS Dia 80	10	1



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DRAWN :	
NAME	GW
DATE	28-2-12
FINISH:	NONE

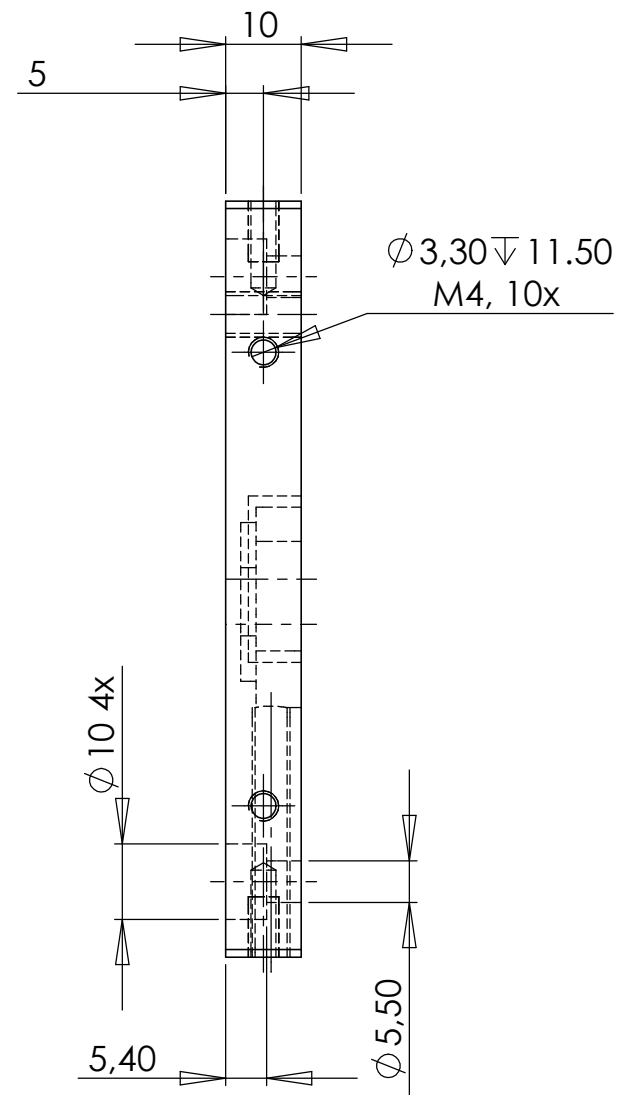
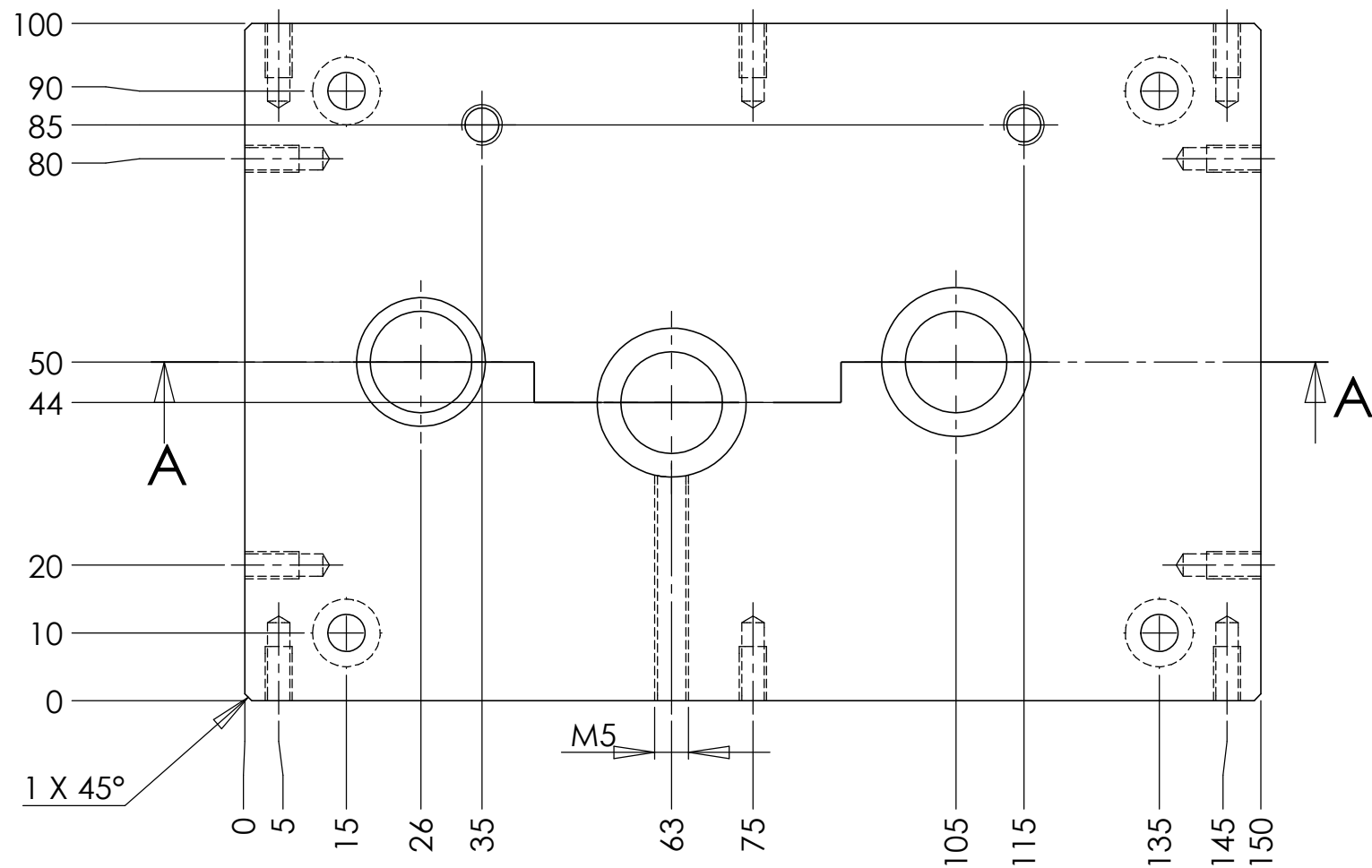
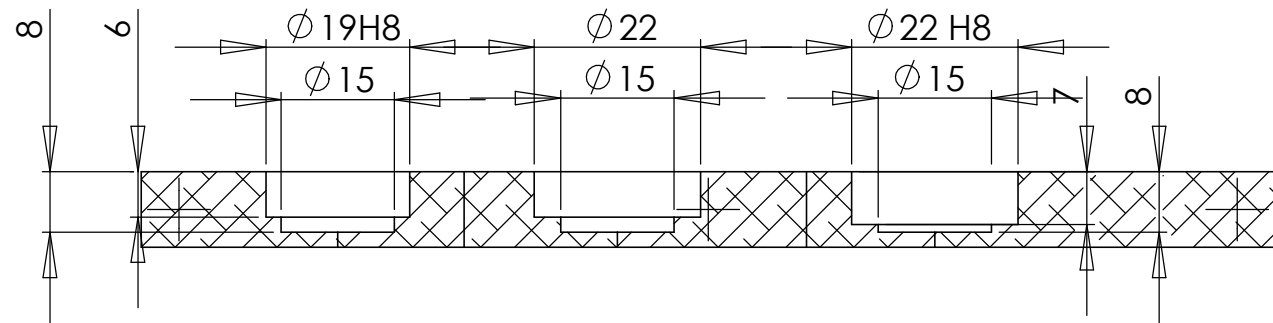
TITLE:	
DWG NO.	DEC Shaft
	A4

MATERIAL:
www.kijkerbouw.be

SCALE:1:2	SHEET 1 OF 1
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SECTION A-A



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ANGULAR:

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DRAWN :
NAME: GW
DATE: 5-3-2012
FINISH: Paint

TITLE:
Frame drive LH

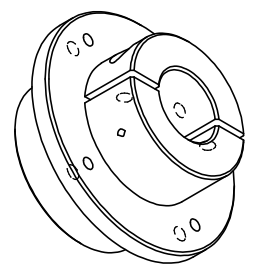
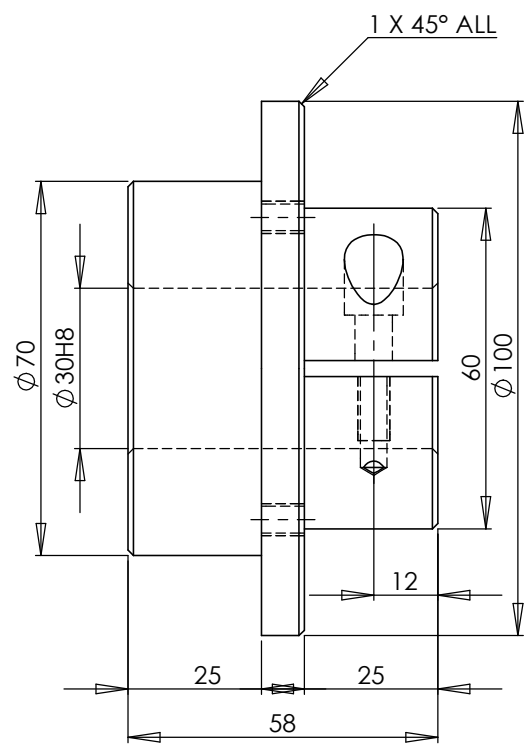
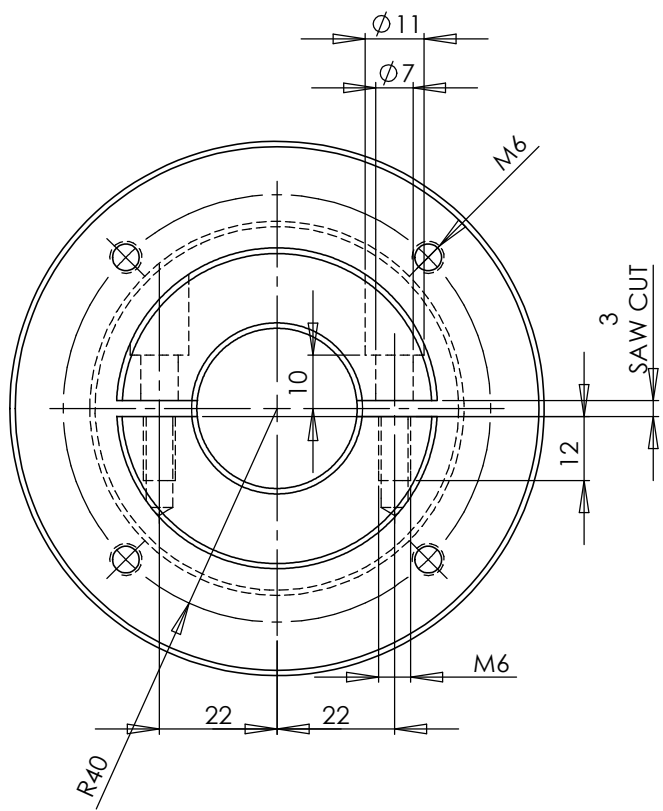
MATERIAL:
Alu 100x15mm


DWG No.:
frame drive LH
A3

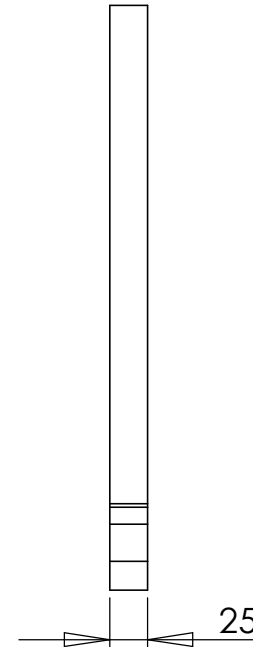
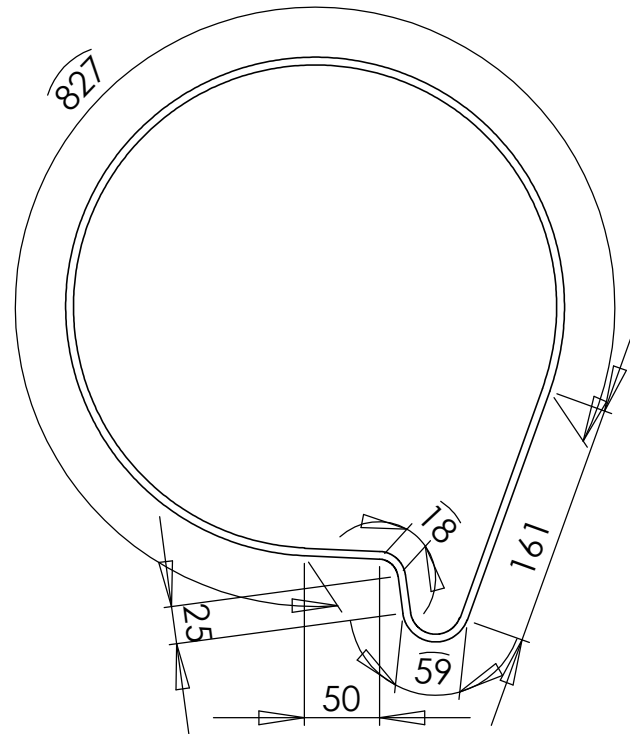
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SCALE:1:1

SHEET 1 OF 1




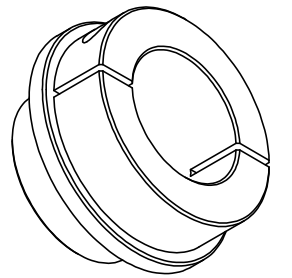
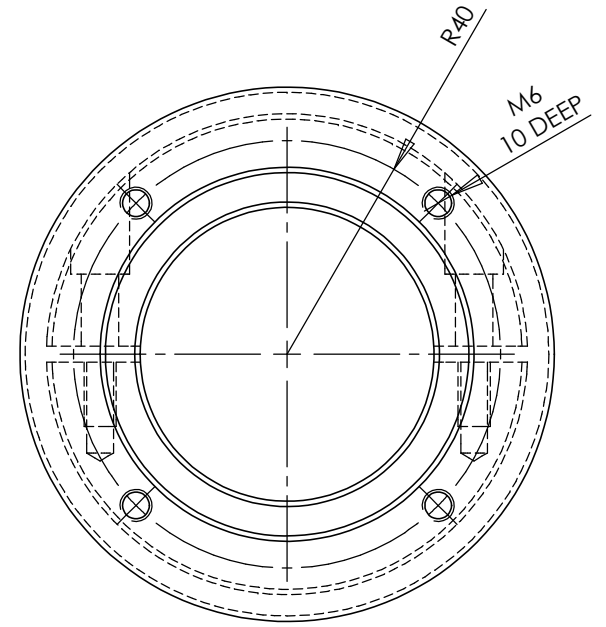
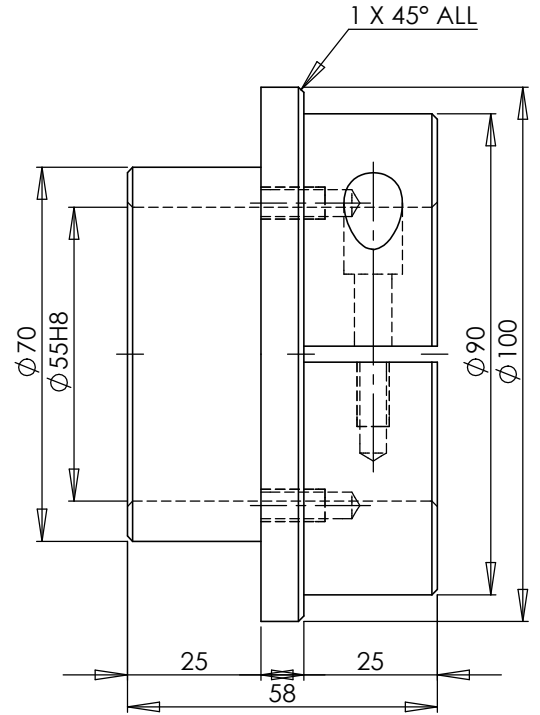
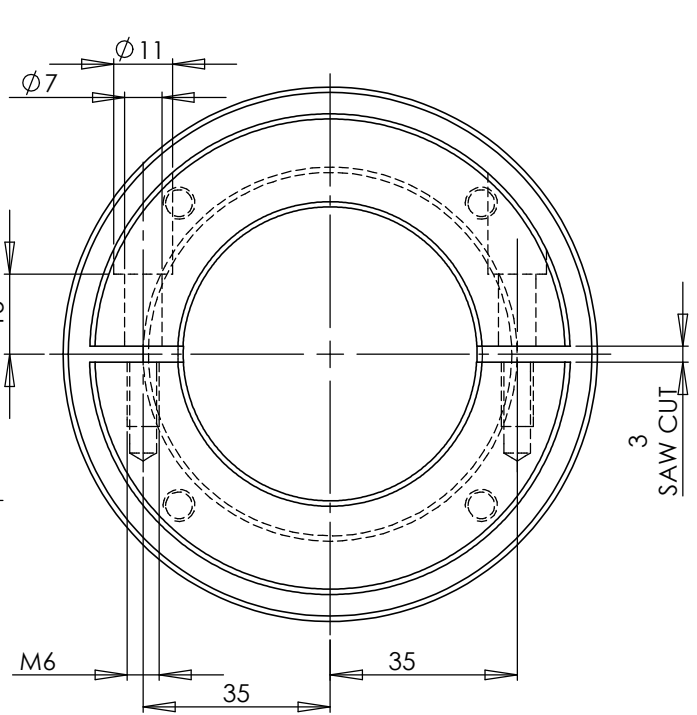
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NAME	DRAWN : GW	TITLE:		
DATE	28-2-12			
FINISH:	Paint black			
MATERIAL:	alu	DWG NO.	support belt disk DEC	A3
www.kijkerbouw.be		SCALE:1:1	SHEET 1 OF 1	




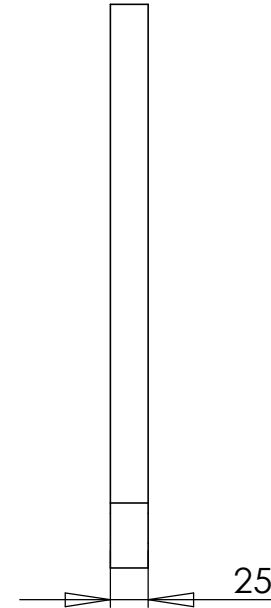
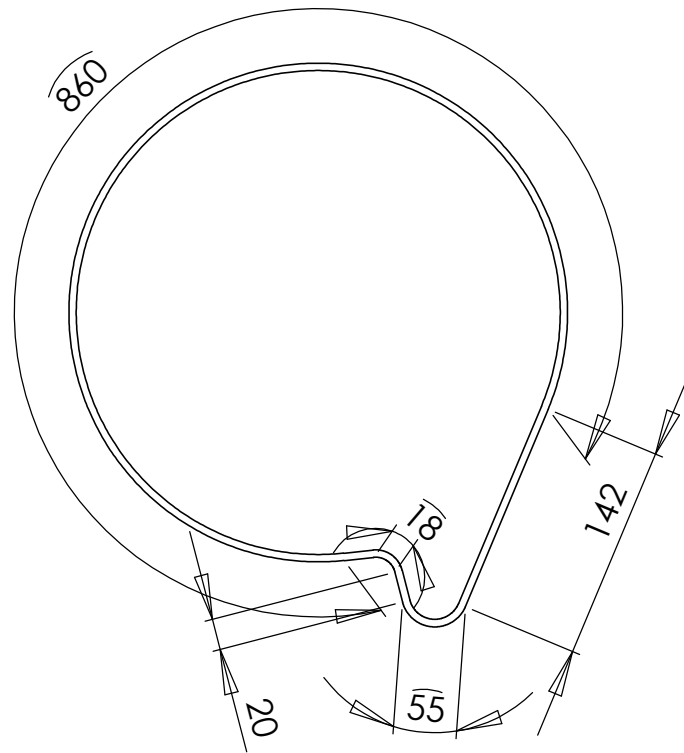
Timing Belt RPP5 B=25

Total length = 1140mm

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DRAWN :		TITLE:		
NAME	GW	Belt DEC Config.		
DATE	5-3-2012			
FINISH:	NONE			
MATERIAL:	RPP5 B25	DWG NO.	Belt DEC	A4
www.kijkerbouw.be		SCALE:1:5	SHEET 1 OF 1	



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NAME	GW	TITLE:		
DATE	28-2-12	<h1>SUPPORT BELT DISK RA</h1>		
FINISH:	PAINT BLACK			
MATERIAL:	ALU	DWG NO.	support belt disk	A3
www.kijkerbouw.be		SCALE:1:1	SHEET 1 OF 1	



Timing Belt RPP5 - B=25

Total Length = 1095mm

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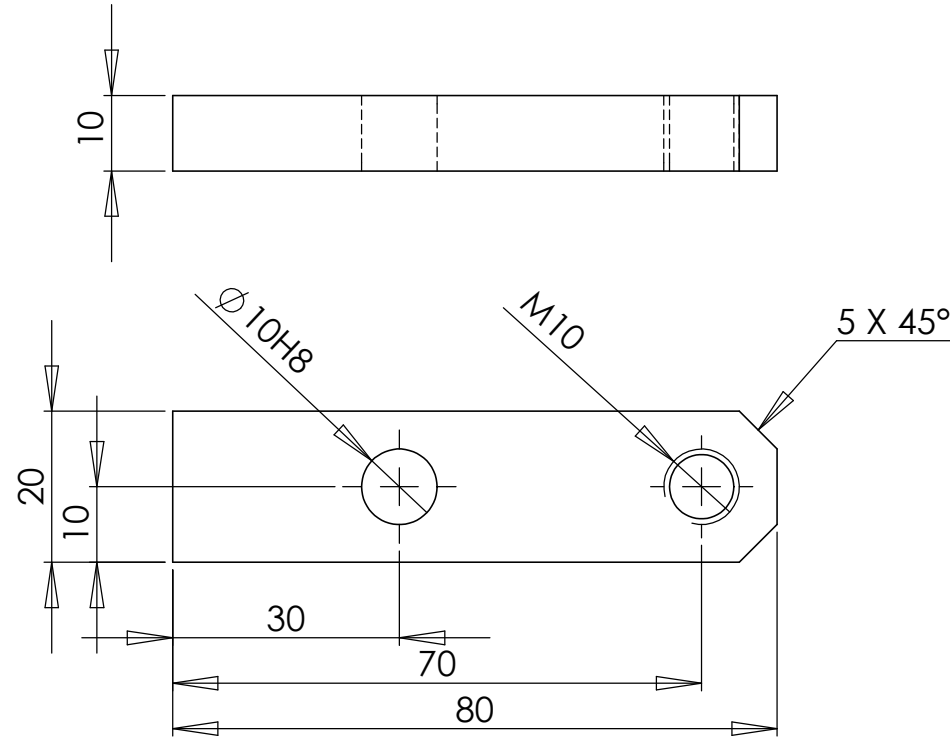


DRAWN :	
NAME	GW
DATE	5-3-2012
FINISH:	NONE


TITLE:	<h1>Belt RA Config</h1>	

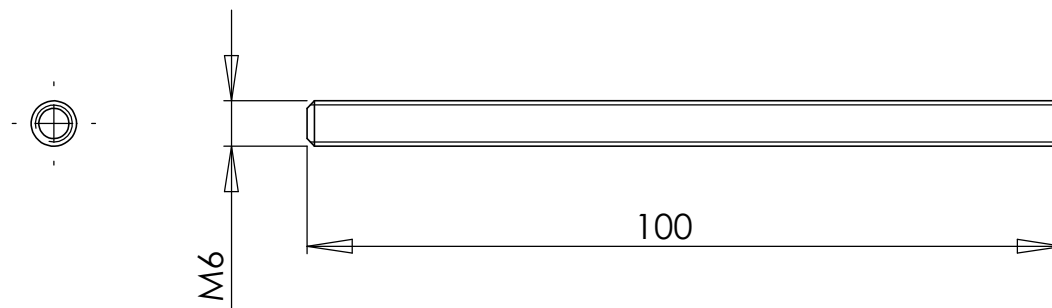
MATERIAL:
RPP5


DWG NO.	Belt RA	A4
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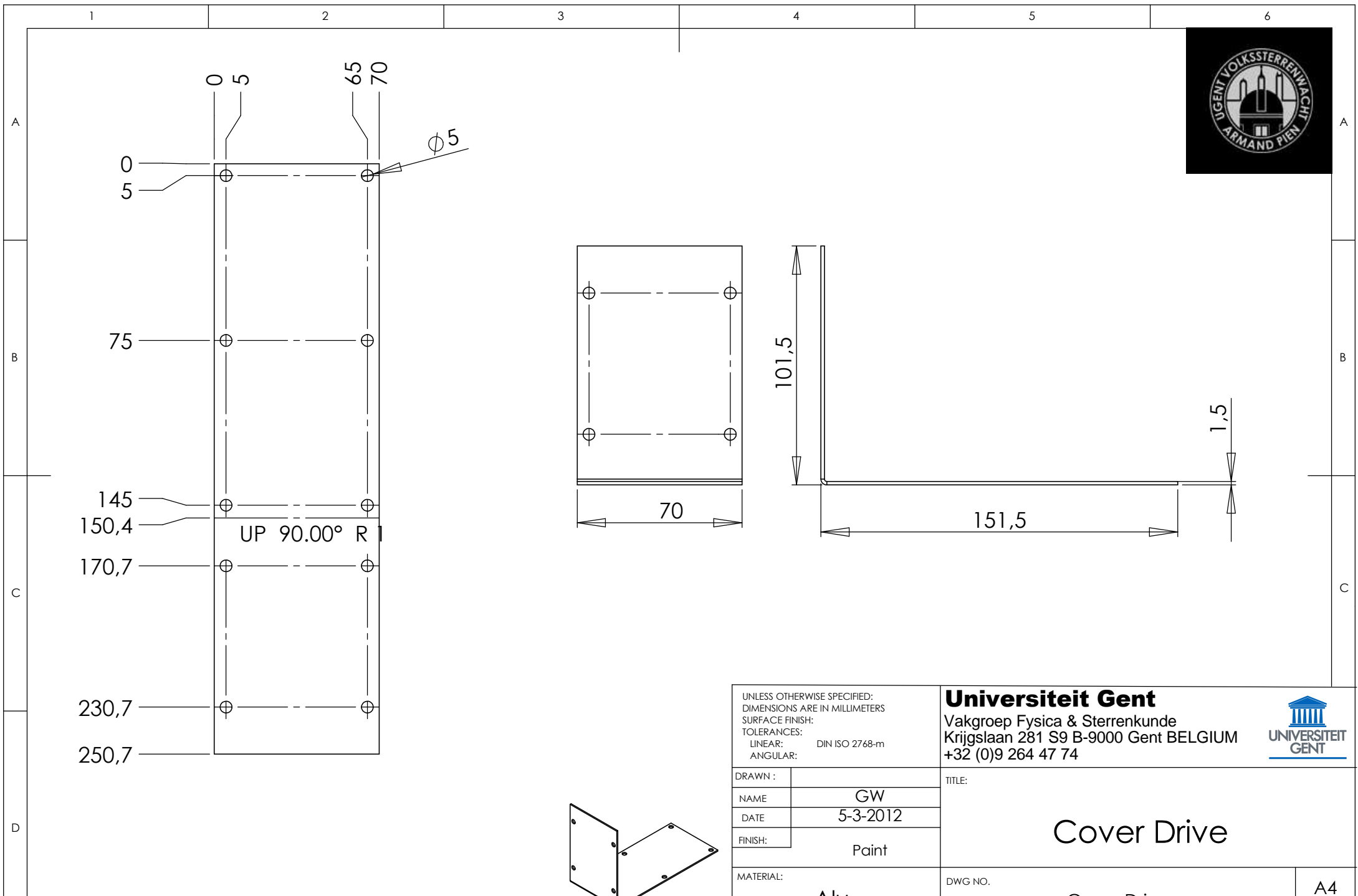



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DRAWN :	
NAME	GW
DATE	28-2-12
FINISH:	Paint
MATERIAL:	St37-2K
www.kijkerbouw.be	

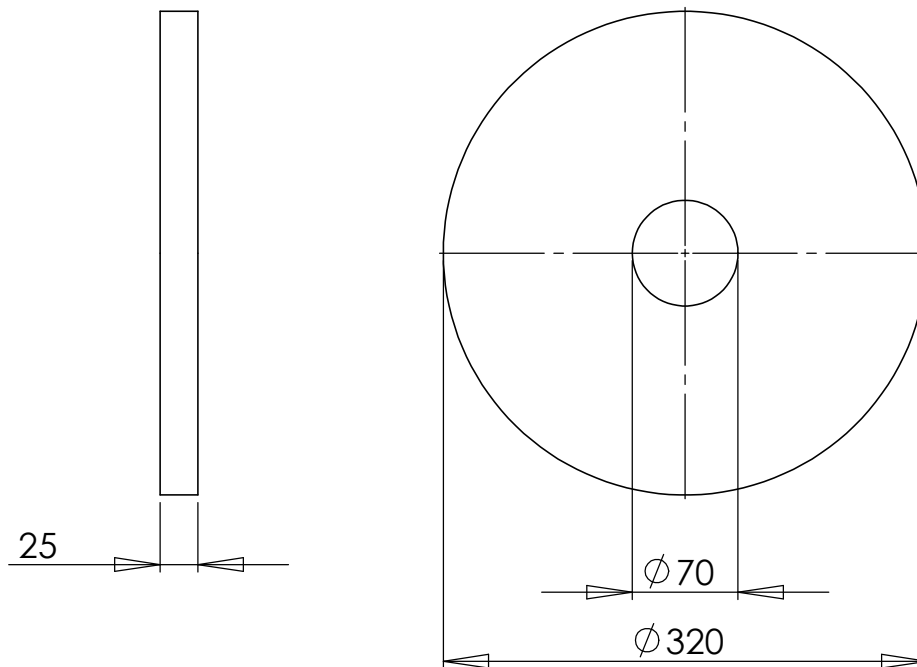
Universiteit Gent Vakgroep Fysica & Sterrenkunde Krijgslaan 281 S9 B-9000 Gent BELGIUM +32 (0)9 264 47 74		
TITLE:		<h1>Tensioner Arm</h1>
DWG NO. Arm Tensioner		
SCALE:1:1 SHEET 1 OF 1		A4




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DRAWN :		TITLE:		
NAME	GW	Azimuth Adjust		
DATE	5-3-2012			
FINISH:	None			
MATERIAL:	RVS M6	DWG NO.	Azadjust	A4
www.kijkerbouw.be		SCALE:1:1	SHEET 1 OF 1	

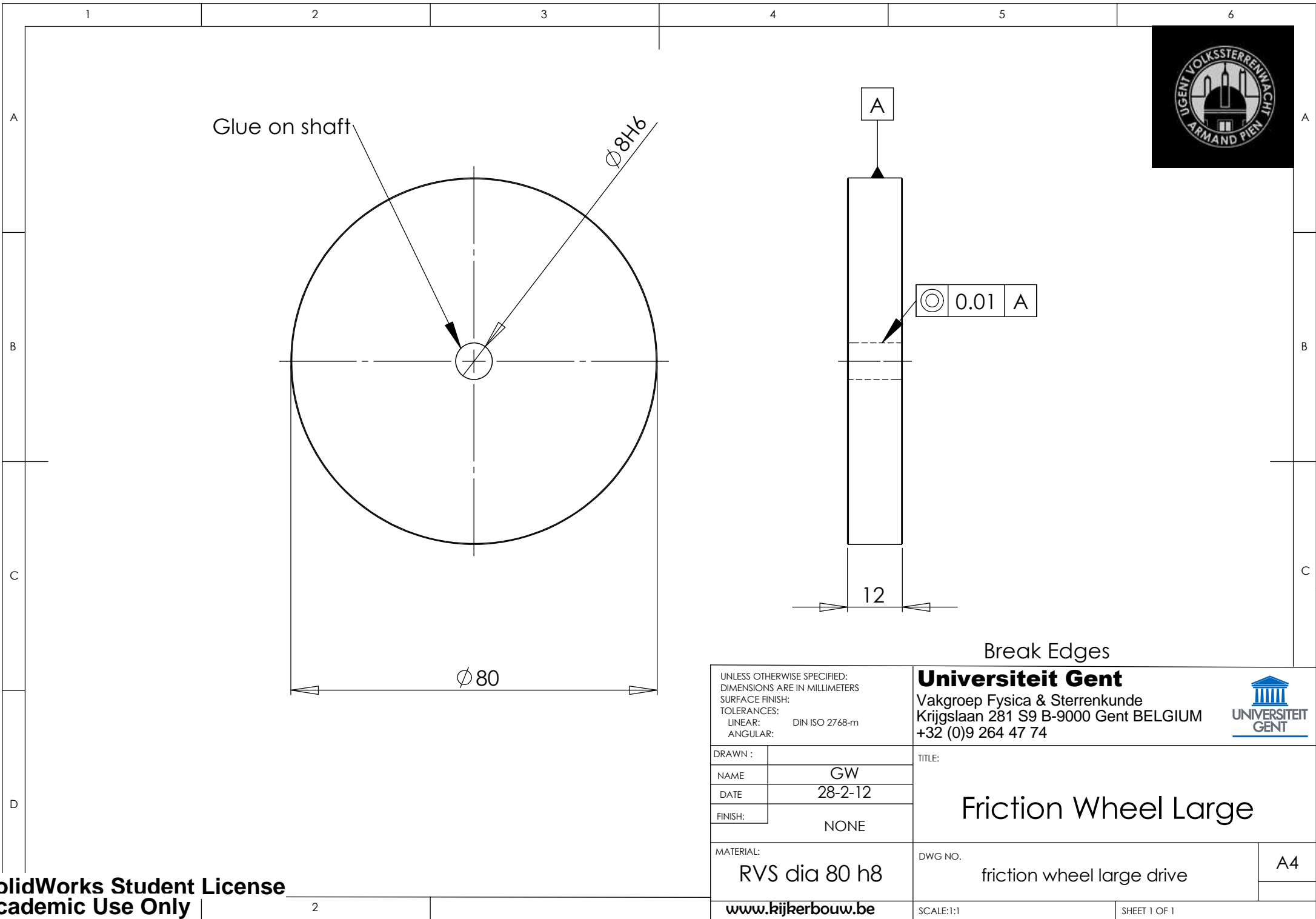


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DRAWN :		TITLE:		
NAME	GW	<h1>Cover Drive</h1>		
DATE	5-3-2012			
FINISH:	Paint			
MATERIAL:	Alu	DWG NO.	Cover Drive	A4
www.kijkerbouw.be		SCALE:1:2	SHEET 1 OF 1	



FOR FINISHING OUTER DIAMETER:
 - mount part on holder
 - mount holder on shaft in lathe
 - finish outer surface of Drive Disk

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: DIN ISO 2768-m ANGULAR:		Universiteit Gent Vakgroep Fysica & Sterrenkunde Krijgslaan 281 S9 B-9000 Gent BELGIUM +32 (0)9 264 47 74		
DRAWN :		TITLE:		
NAME	GW	<h1>Drive Disk</h1>		
DATE	28-2-12			
FINISH:				
MATERIAL:	WATERPROOF MULTIPLEX	DWG NO.	Drive Belt Disk	A4
www.kijkerbouw.be		SCALE:1:5	SHEET 1 OF 1	



Glue on shaft


$\phi 8H6$

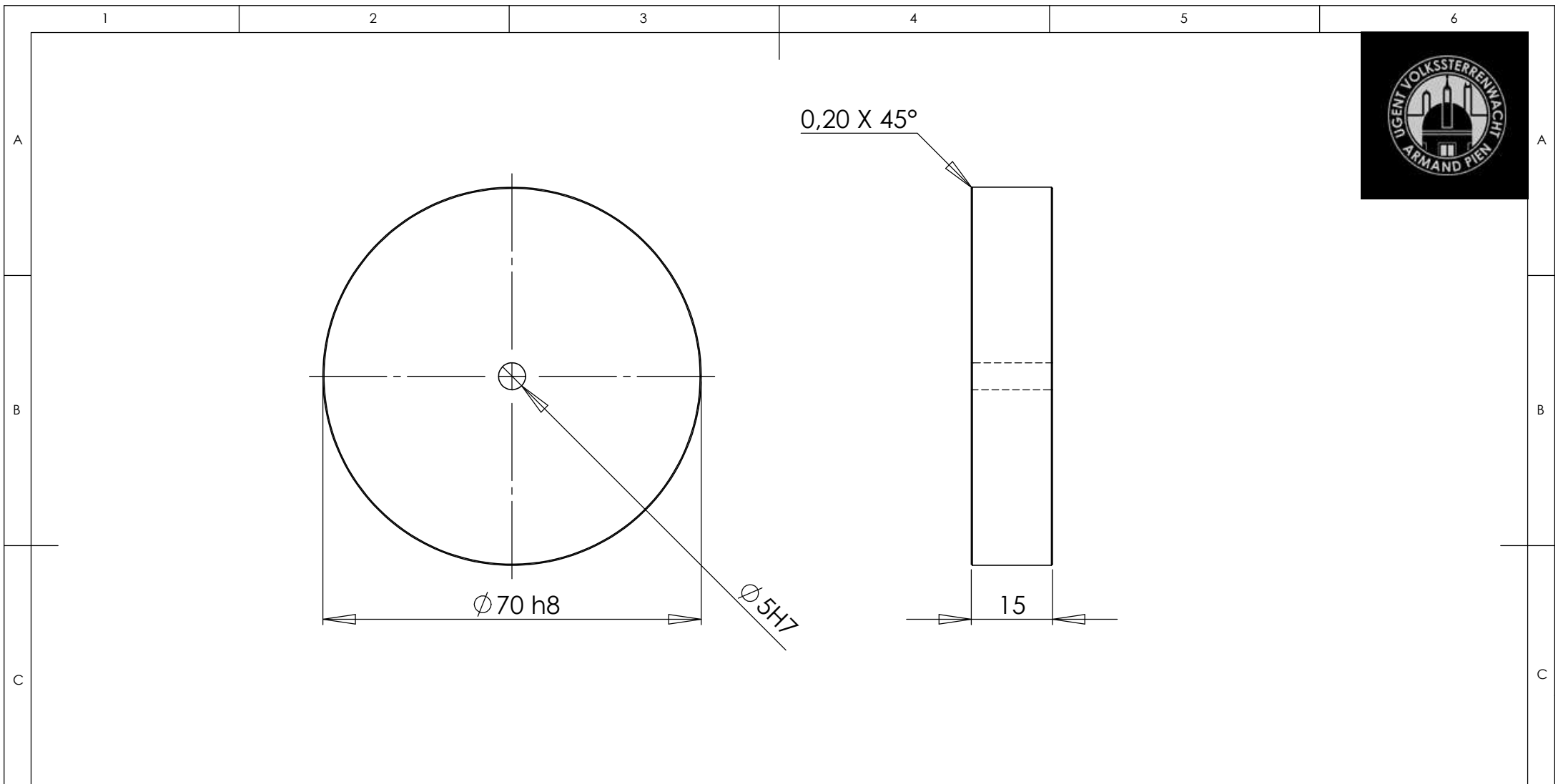
$\phi 80$


12

$\text{◎} 0.01 A$

Break Edges

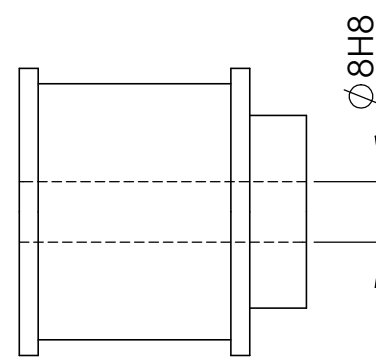
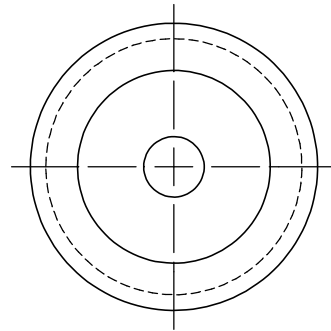
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: DIN ISO 2768-m ANGULAR:		Universiteit Gent Vakgroep Fysica & Sterrenkunde Krijgslaan 281 S9 B-9000 Gent BELGIUM +32 (0)9 264 47 74		
DRAWN :		TITLE:		
NAME	GW	<h1 style="text-align: center;">Friction Wheel Large</h1>		
DATE	28-2-12			
FINISH:	NONE			
MATERIAL:	RVS dia 80 h8	DWG NO.	friction wheel large drive	A4
www.kijkerbouw.be		SCALE:1:1	SHEET 1 OF 1	




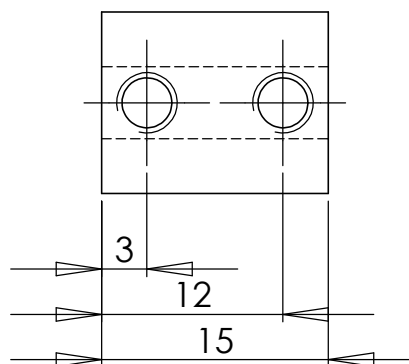
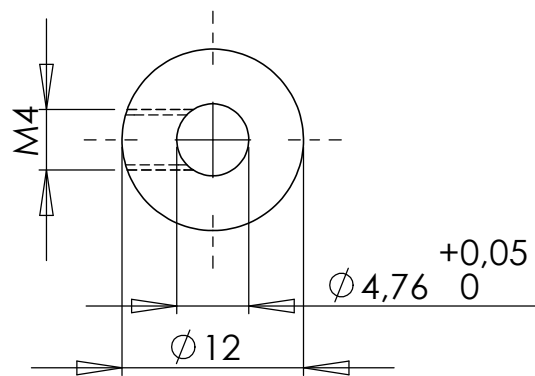
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: DIN ISO 2768-m ANGULAR:		Universiteit Gent Vakgroep Fysica & Sterrenkunde Krijgslaan 281 S9 B-9000 Gent BELGIUM +32 (0)9 264 47 74			
DRAWN :		TITLE: <h1 style="text-align: center;">Middle Wheel</h1>			
NAME	GW				
DATE	5-3-2012				
FINISH:	NONE				
MATERIAL:	RVS dia 70 h8	DWG NO.	friction wheel middle drive	A4	
www.kijkerbouw.be		SCALE:1:1	SHEET 1 OF 1		




Glue pulley on shaft.

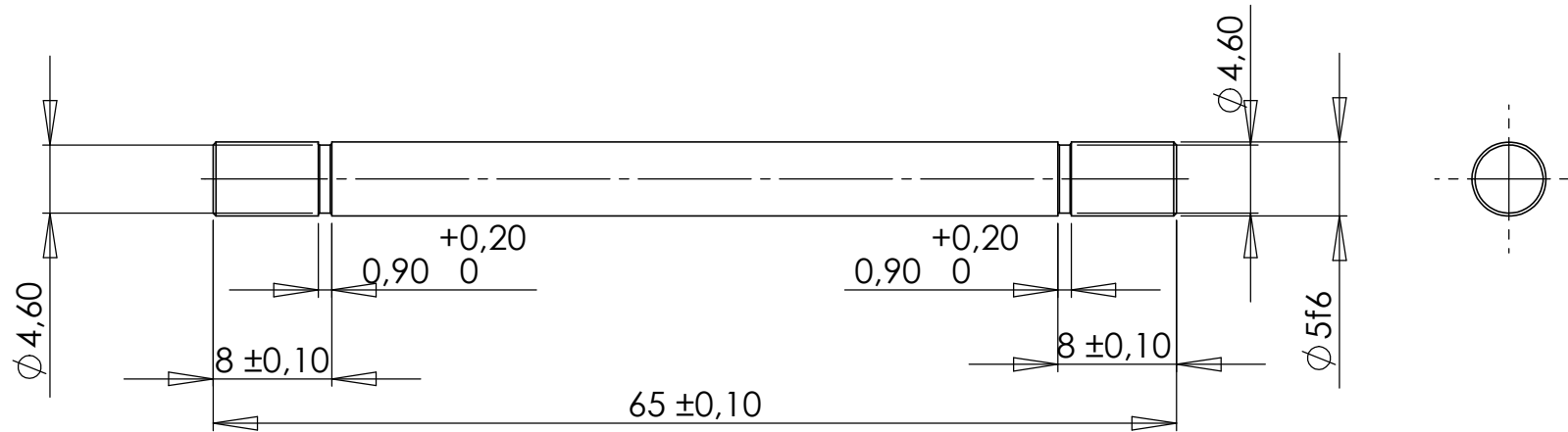



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: DIN ISO 2768-m ANGULAR:		Universiteit Gent Vakgroep Fysica & Sterrenkunde Krijgslaan 281 S9 B-9000 Gent BELGIUM +32 (0)9 264 47 74		
DRAWN :		TITLE:		
NAME	GW	<h1>Pulley 5M B=25 Z=22</h1>		
DATE	28-2-12			
FINISH:	NONE			
MATERIAL:		DWG NO.	Pulley5M25Z22	A4
Pulley 5M25 voorgeboord		SCALE:1:1	SHEET 1 OF 1	
www.kijkerbouw.be				

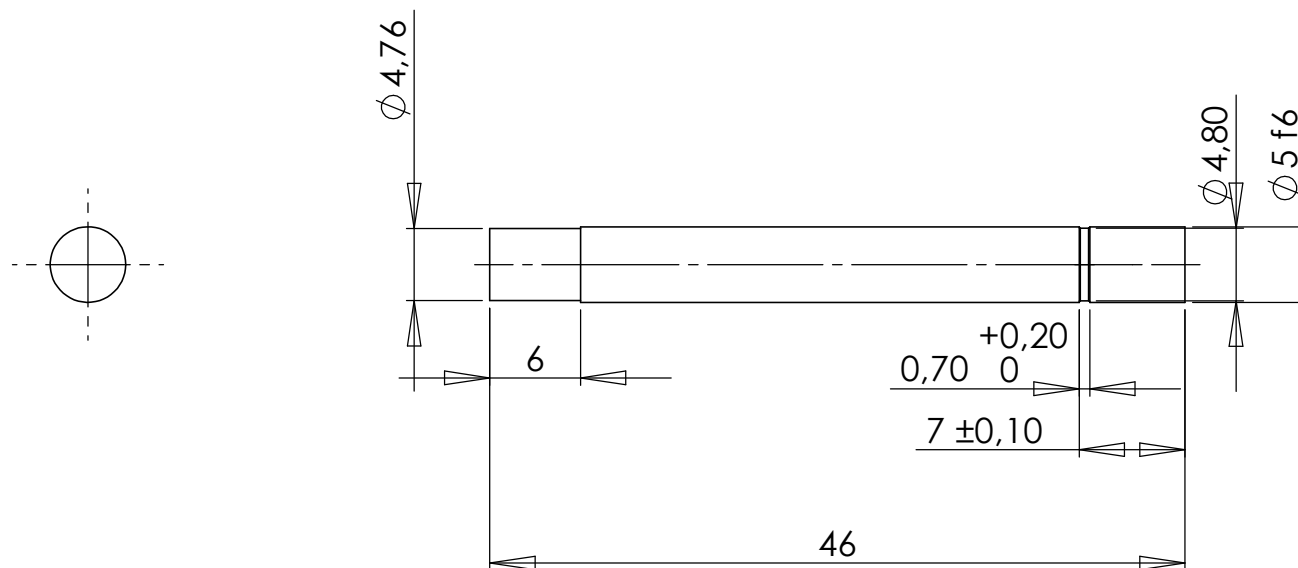


Kanten breken

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: DIN ISO 2768-m ANGULAR:		Universiteit Gent Vakgroep Fysica & Sterrenkunde Krijgslaan 281 S9 B-9000 Gent BELGIUM +32 (0)9 264 47 74		
DRAWN :		TITLE: <h1 style="text-align: center;">Shaft Coupling</h1>		
NAME	GW			
DATE	5-3-2012			
FINISH:	NONE			
MATERIAL:	RVS	DWG NO.	shaft coupling	A4
www.kijkerbouw.be		SCALE:2:1	SHEET 1 OF 1	

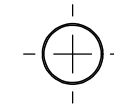
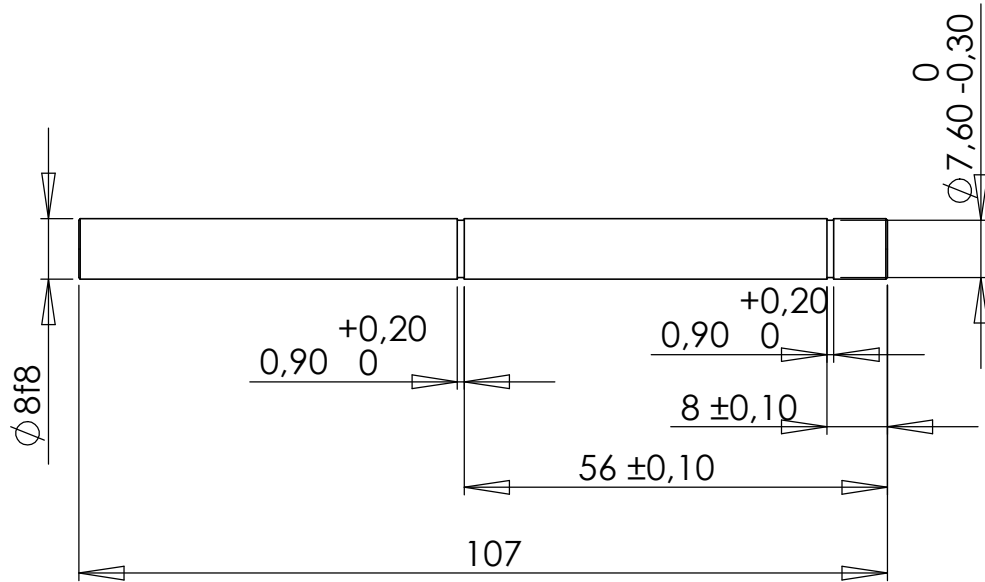



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: DIN ISO 2768-m ANGULAR:		Universiteit Gent Vakgroep Fysica & Sterrenkunde Krijgslaan 281 S9 B-9000 Gent BELGIUM +32 (0)9 264 47 74		
DRAWN :		TITLE:		
NAME	GW	<h1 style="text-align: center;">Middle Shaft</h1>		
DATE	5-3-2012			
FINISH:	NONE			
MATERIAL:	RVS geslepen f6	DWG NO.	shaft drive middle	A4
www.kijkerbouw.be		SCALE:2:1	SHEET 1 OF 1	

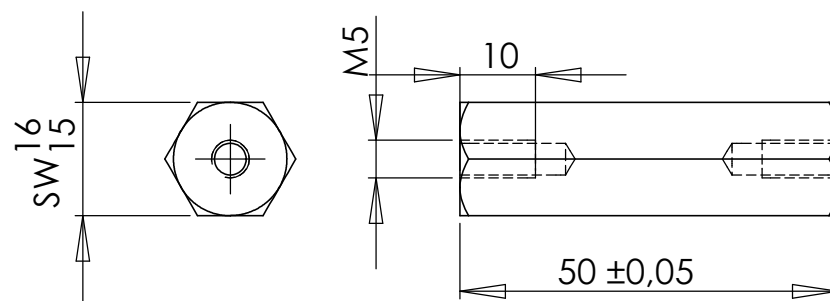



Kanten breken

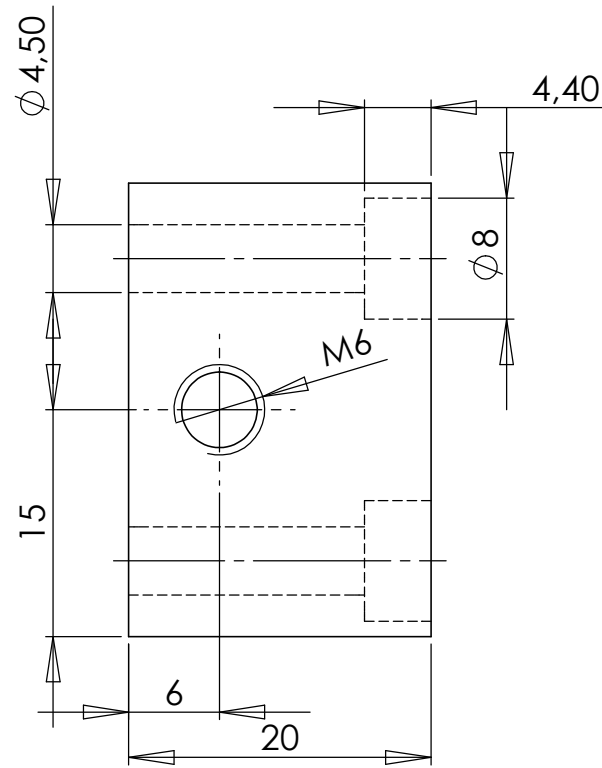
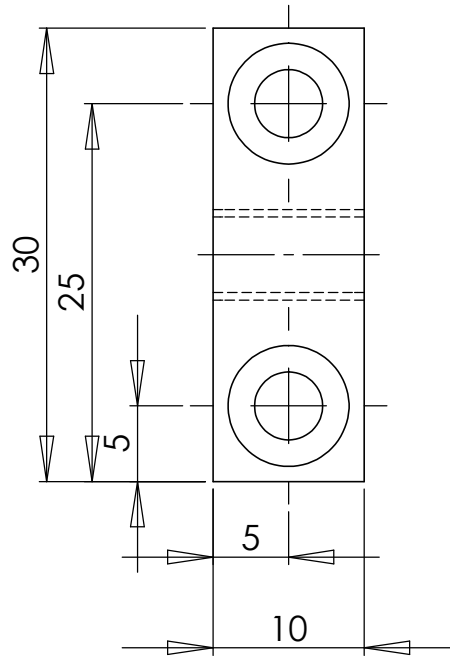
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: DIN ISO 2768-m ANGULAR:		Universiteit Gent Vakgroep Fysica & Sterrenkunde Krijgslaan 281 S9 B-9000 Gent BELGIUM +32 (0)9 264 47 74		
DRAWN :		TITLE:		
NAME	GW	Shaft Motor		
DATE	5-3-2012			
FINISH:	NONE			
MATERIAL:	RVS f6	DWG NO.	Shaft drive motor	A4
www.kijkerbouw.be		SCALE:2:1	SHEET 1 OF 1	



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DRAWN :		TITLE:		
NAME	GW	Shaft Output Drive		
DATE	28-2-12			
FINISH:	NONE			
MATERIAL:	RVS dia 8 geslepen f8	DWG NO.	shaft drive output	A4
www.kijkerbouw.be		SCALE:1:1	SHEET 1 OF 1	



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DRAWN :		TITLE:		
NAME	GW	<h1>Spacer Frame Drive</h1>		
DATE	28-2-12			
FINISH:	Paint			
MATERIAL:	St37-2K	DWG NO.	stud spacer	A4
www.kijkerbouw.be		SCALE:1:1	SHEET 1 OF 1	



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 SURFACE FINISH:
 TOLERANCES:
 LINEAR: DIN ISO 2768-m
 ANGULAR:

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 +32 (0)9 264 47 74



DRAWN :

NAME

GW

DATE

28-2-12

FINISH:

Paint

MATERIAL:

St37-2K

TITLE:

Tensioner Block

DWG NO.

Tensioner Block

A4

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SCALE:2:1

SHEET 1 OF 1