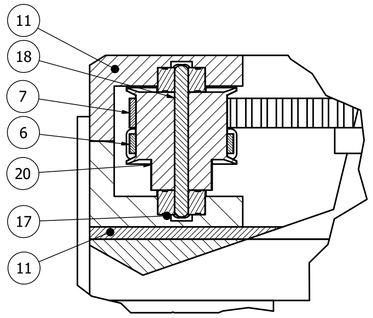
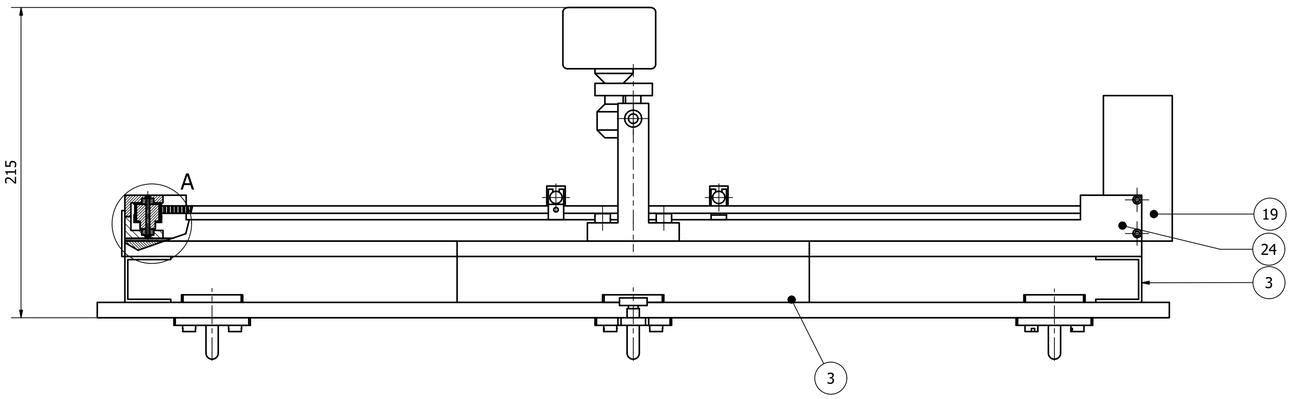
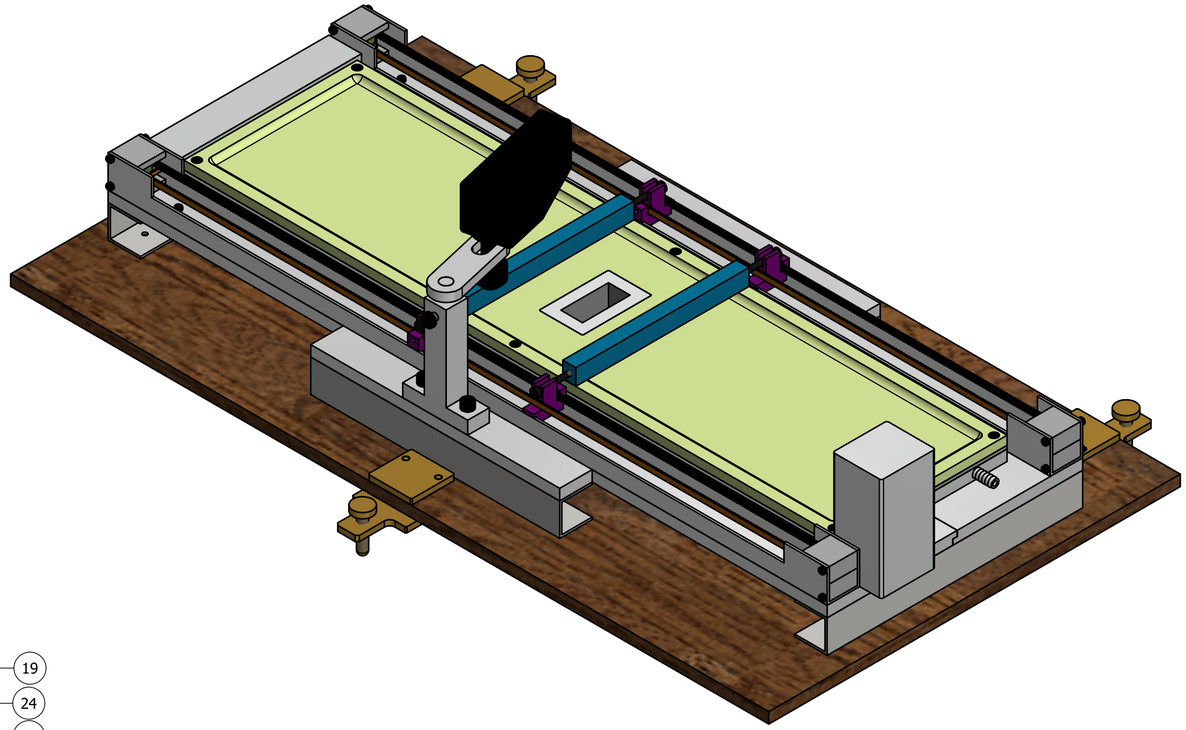
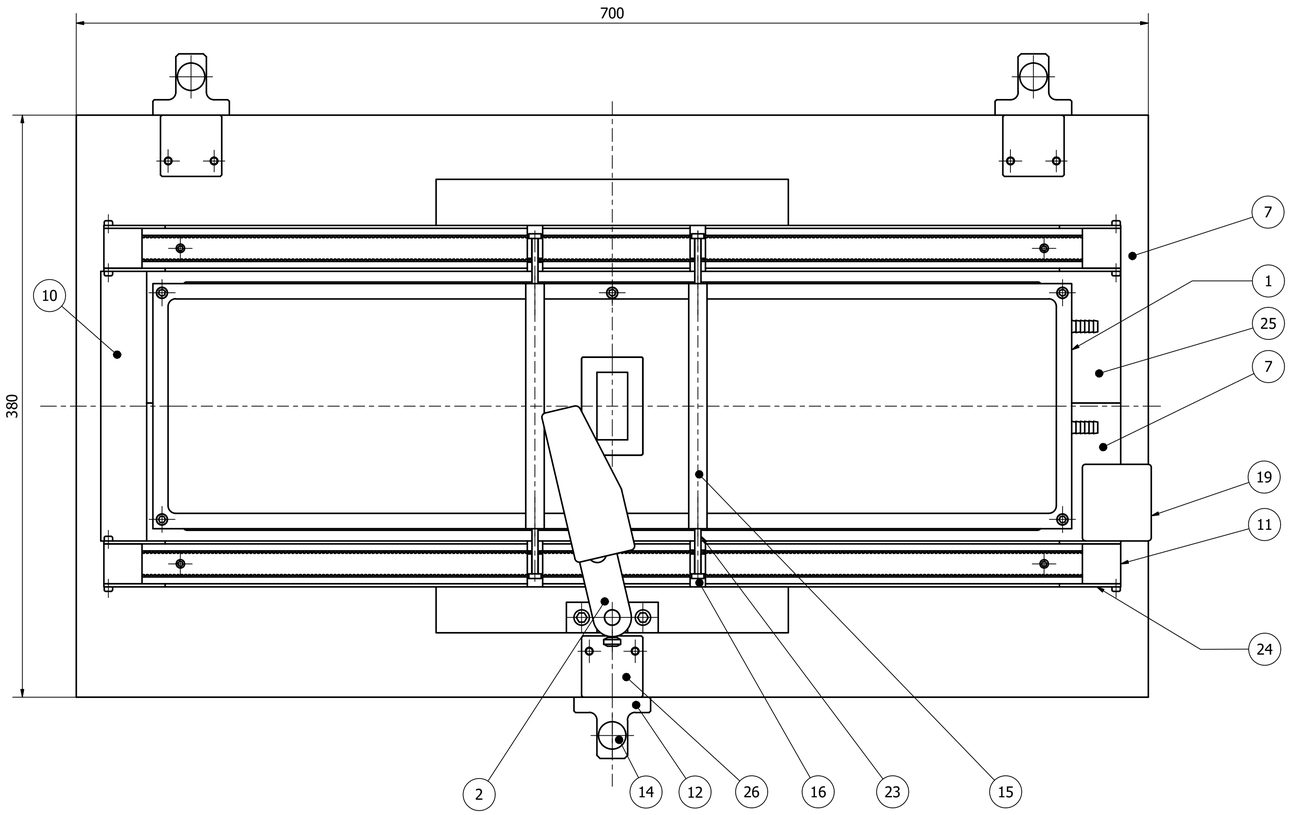
A (2 : 1)









ITEM	QTY	PART NAME	DESCRIPTION
26	2	M6 - 6H 20 mm	
25	6	M5 - 6H 20 mm	
24	20	M3 - 6H 6 mm	
23	4	Screw for barrier	M4 50 mm
22	1	Transmission belt short	Haberkorn 1832 MXL 019
21	2	Transmission belt long	Haberkorn 5448 MXL 019
20	4	Cogged wheel	Haberkorn 24 MXL 025
19	1	Control unit	In another assembly
18	4	Shaft for bushing	In another assembly
17	8	Bushing	In another assembly
16	4	Travel	21/22
15	2	Barrier	20/22
14	3	Brass screw	19/22
12	3	Brass top	17/22
11	8	Wheel holder	16/22
10	1	Cover for short belt	15/22
9	1	Desk for base b	14/22
8	1	Desk for base a	13/22
7	1	Wooden desk	12/22
6	1	Side cover b	11/22
5	1	Side cover a	10/22
4	2	Space for base side	9/22
3	2	Spacer for base front	8/22
2	1	Gauge	3/22
1	1	Langmuir trough	2/22

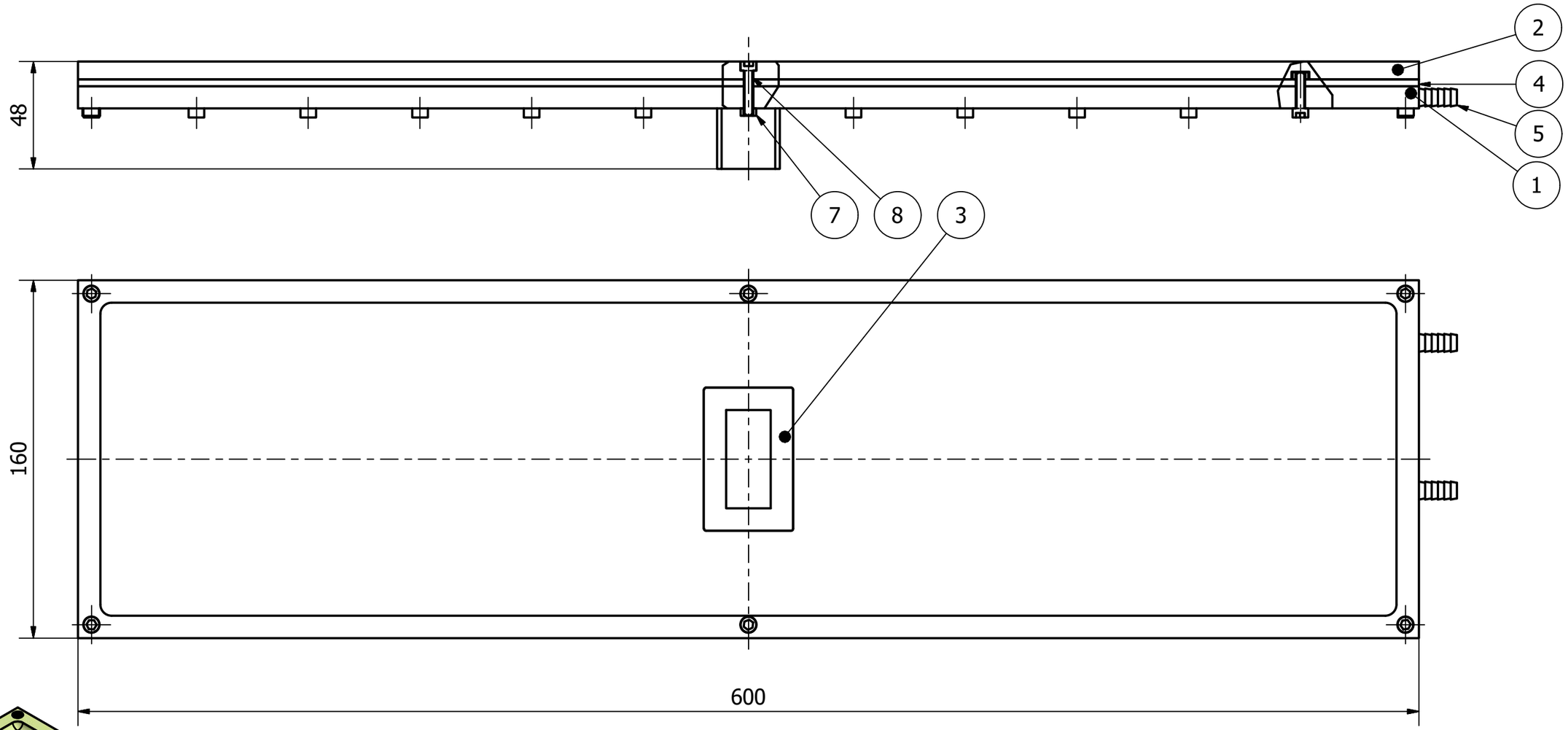
PARTS LIST

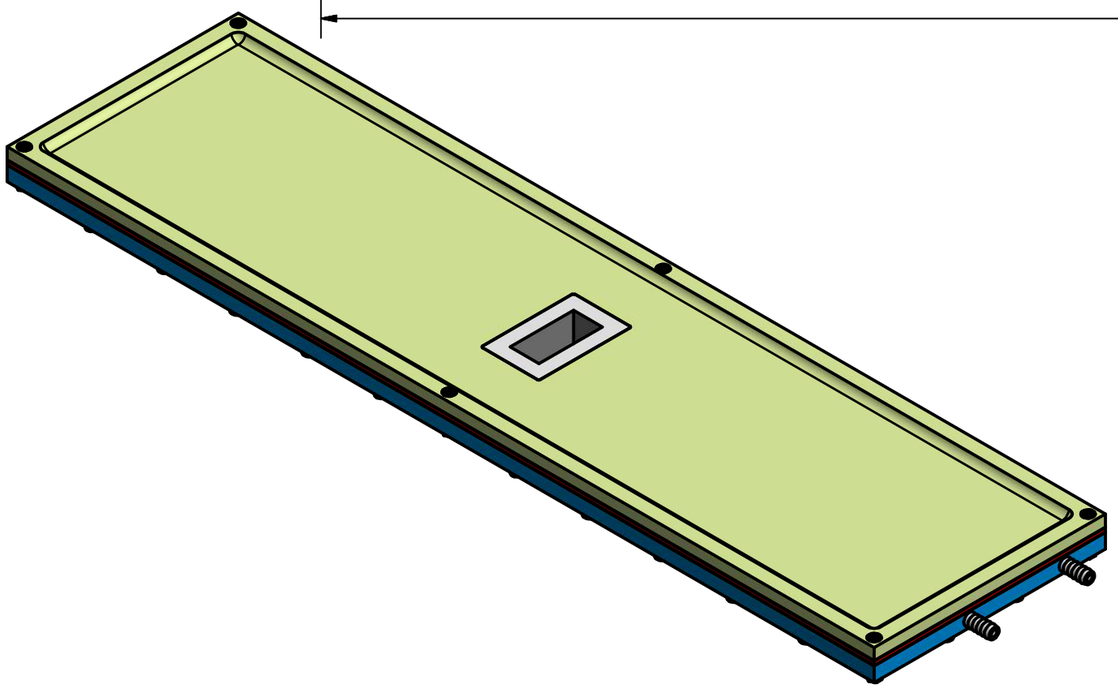
Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA			11,456 kg	1 : 2	05.12.2015

Department of Condensed Matter Physics

Langmuir-Blodgett deposition aparature

Sheet 1 / 22





ITEM	QTY	PART NUMBER	DESCRIPTION
8	24	M4 - 6H 16 mm	
7	30	M4 - 6g nut	
6	6	M4 - 6H 20 mm	
5	2	Tube reduction	
4	1	Alluminium plate cover	7/22
3	1	Hole for trough	6/22
2	1	Teflon trough	5/22
1	1	Alluminium base	4/22

PARTS LIST

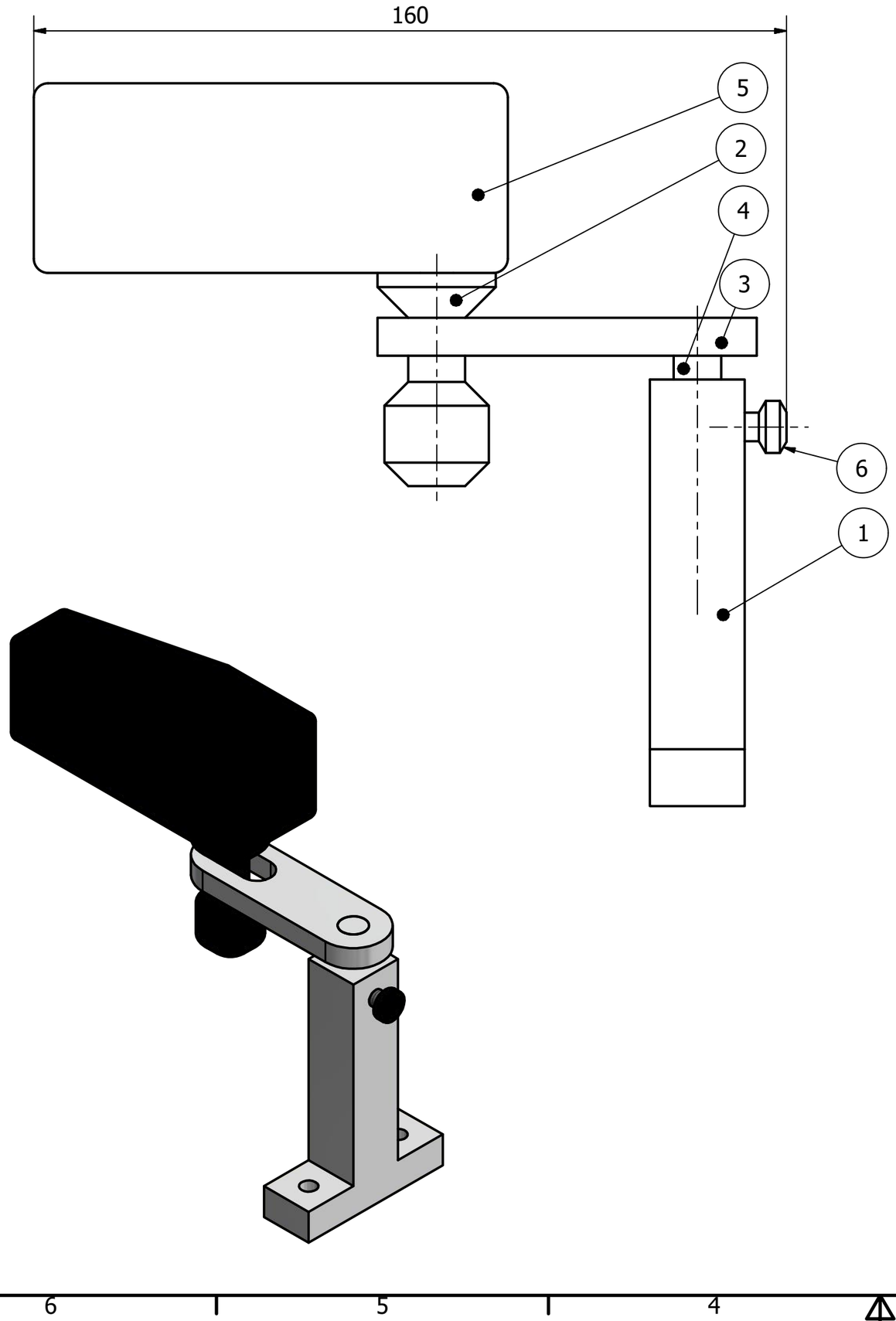
Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA			4,242 kg	1 : 2	05.12.2015

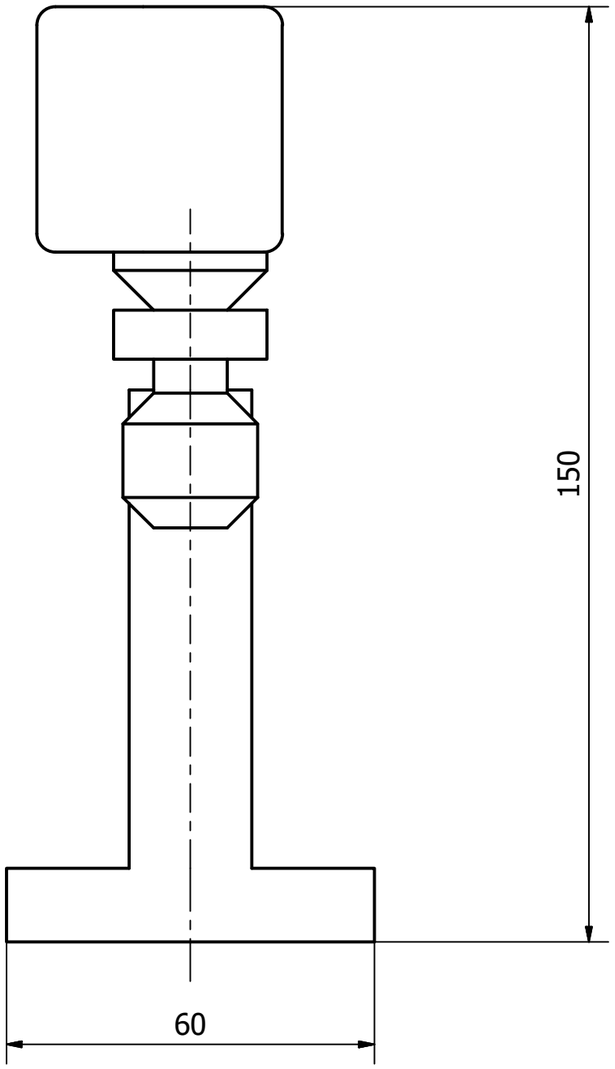
Department of Condensed Matter Physics

Langmuir-Blodgett deposition aparature

Langmuir trough

Sheet 2 / 22





ITEM	QTY	PART NAME	DESCRIPTION
6	1	Gauge screw	
5	1	Gauge holder	
4	1	Gauge rod	
3	1	Gauge middle part	
2	1	Holder screw	
1	1	Gauge base	22/22

PARTS LIST

Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA			0,572 kg	1 : 1	05.12.2015

Department of Condensed Matter Physics

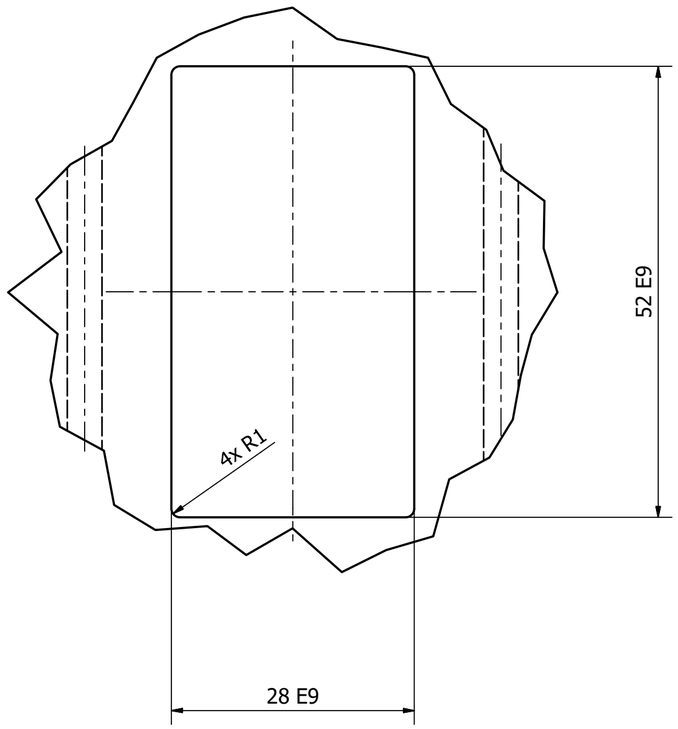
Langmuir-Blodgett deposition aparature

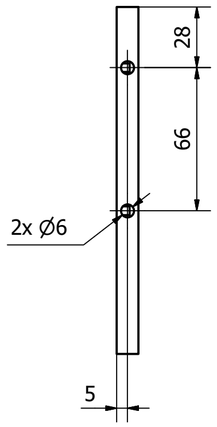
Gauge

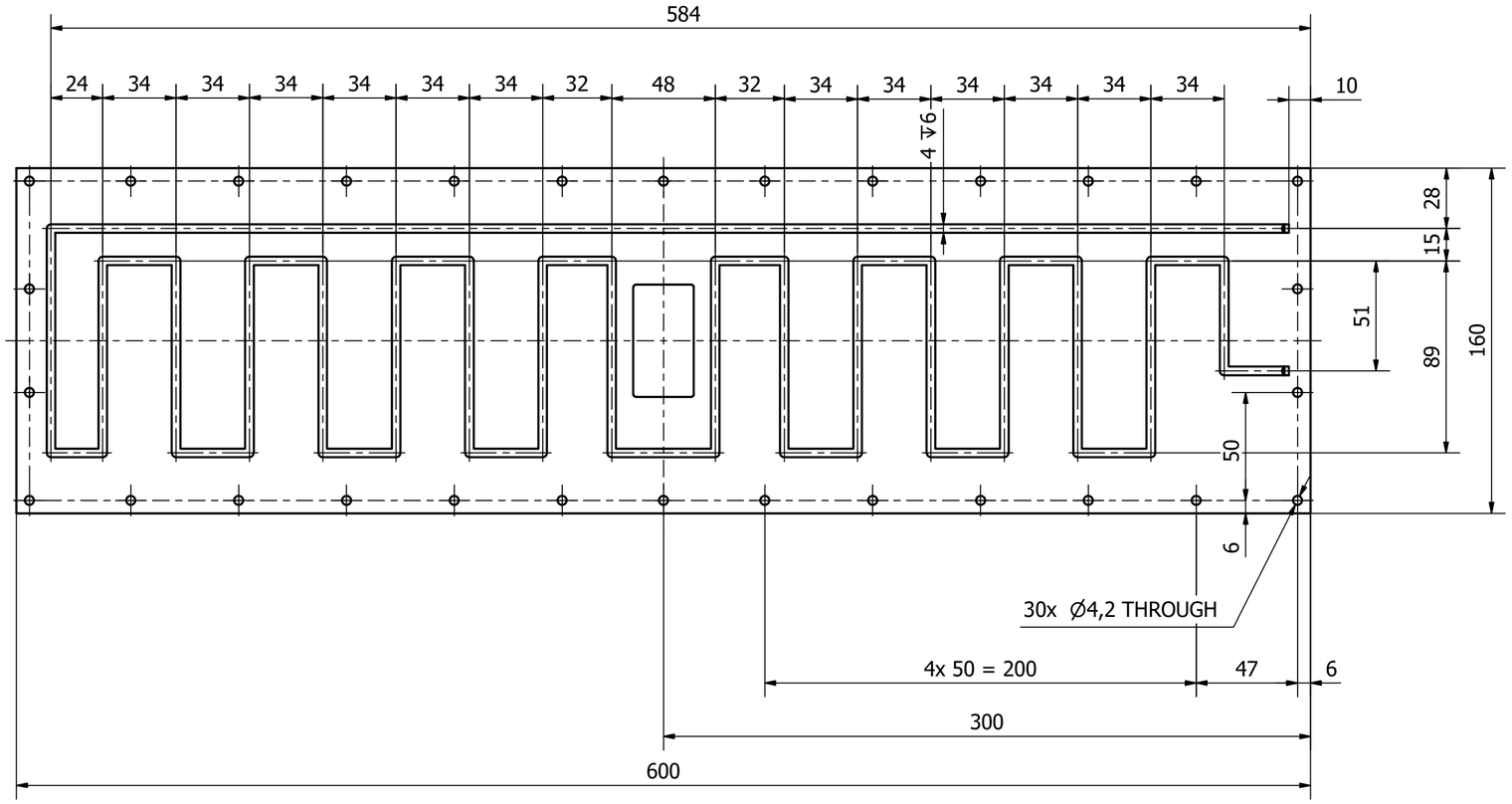
Sheet 3 / 22

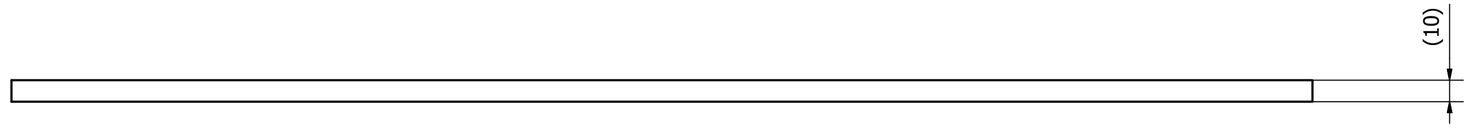
Ra 3,2

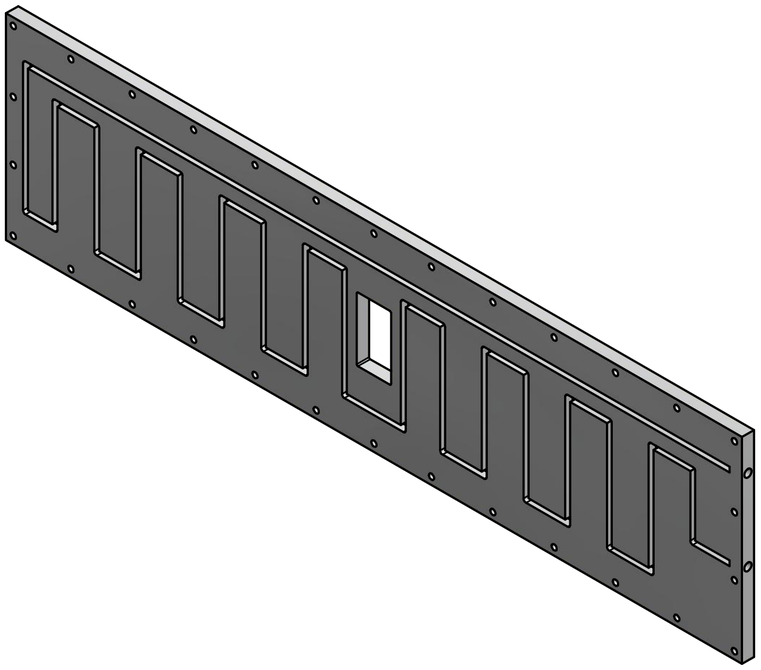
A (2 : 1)

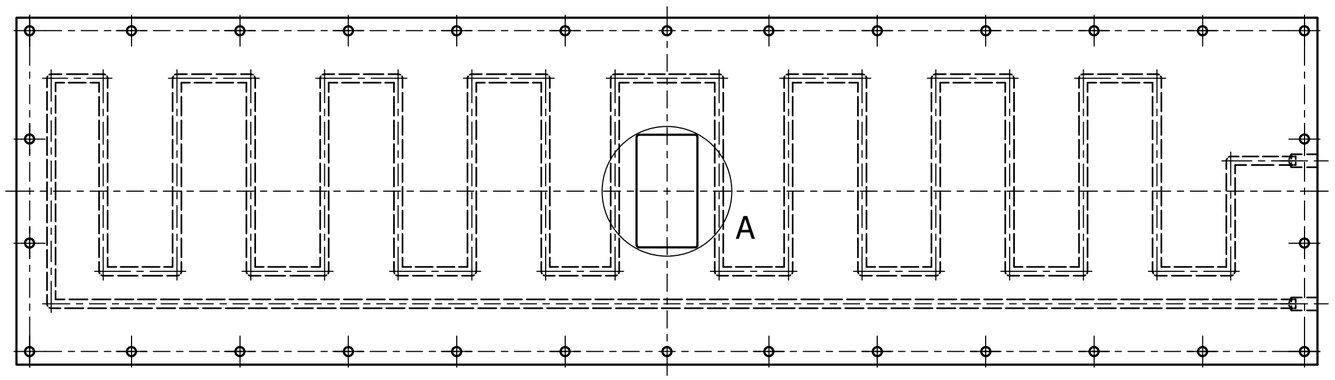








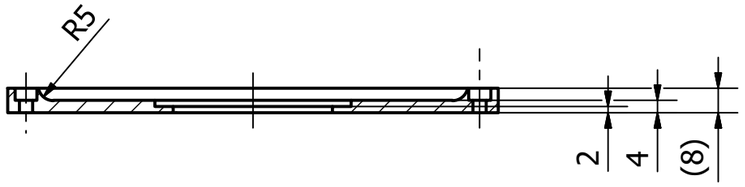


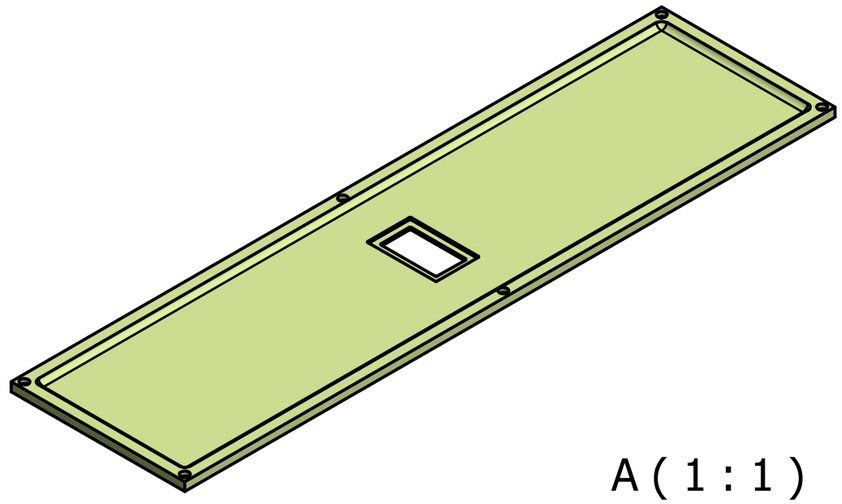


Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN AW 6060	Rectangle 160 x 10	2,369 kg	1 : 2	05.12.2015

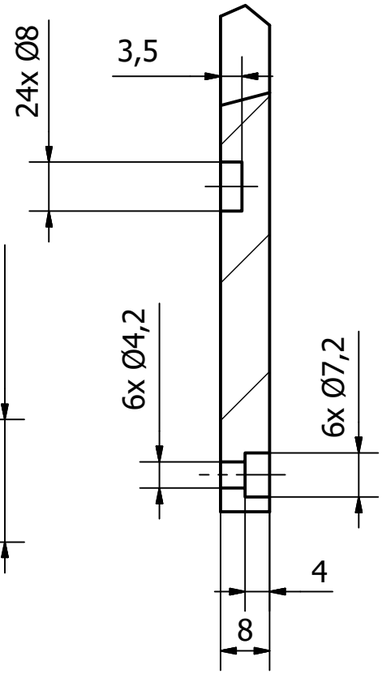
Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Alluminium base	Sheet 4 / 22

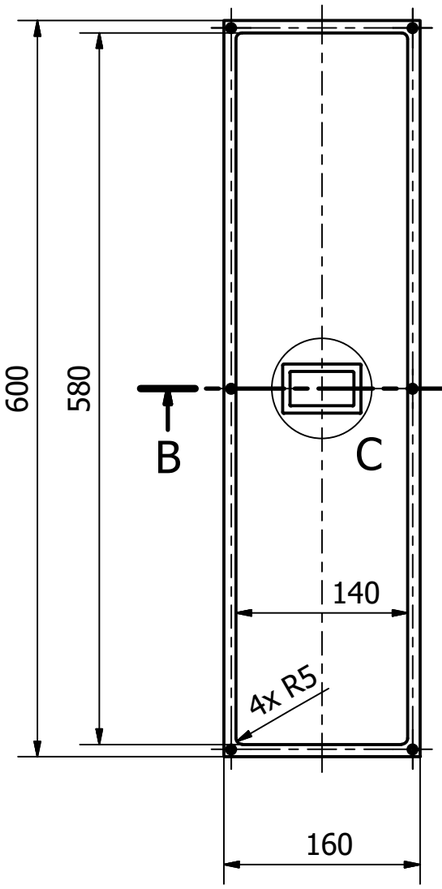
Ra 3,2

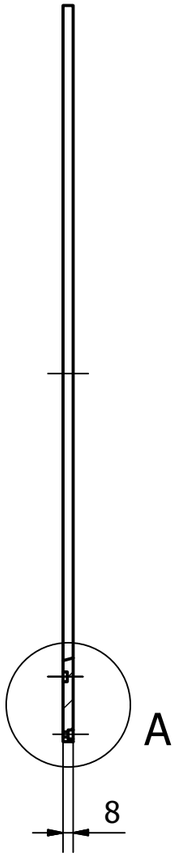


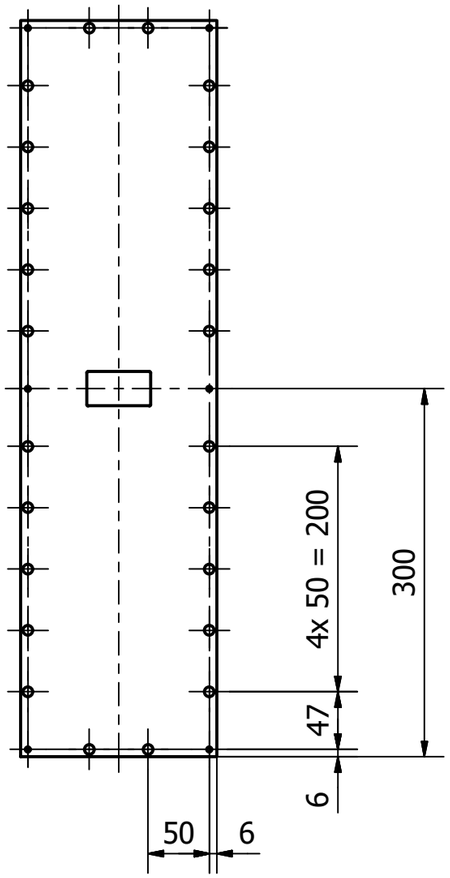


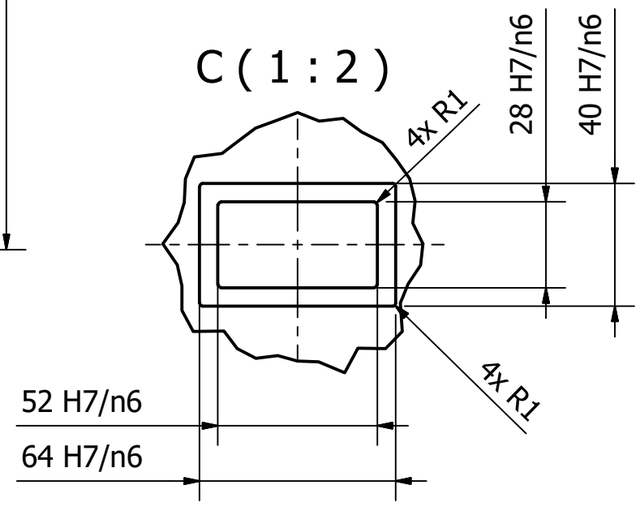
A (1 : 1)







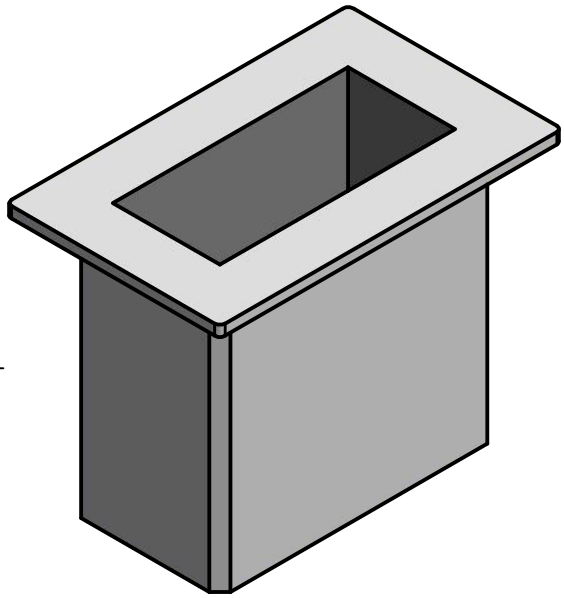




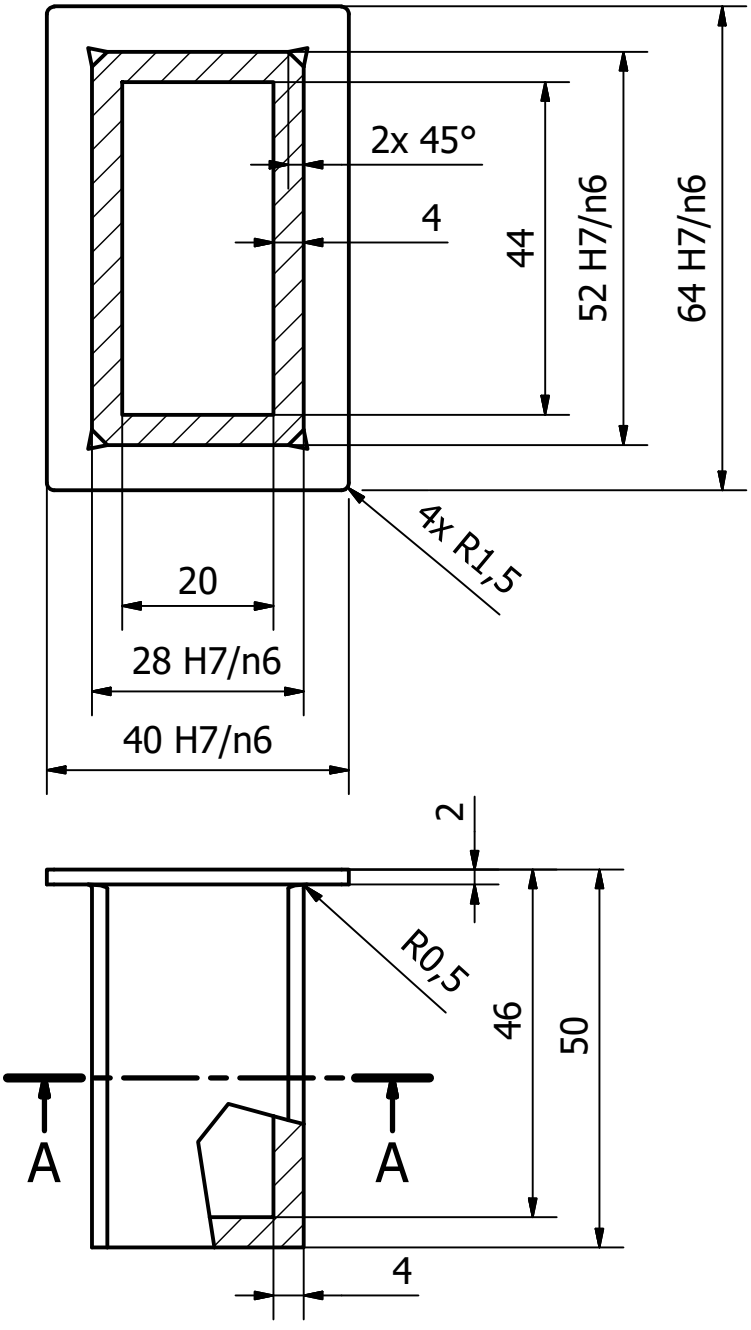
Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN 1337	Rectangle 160 x 8	0,952 kg	1 : 5	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Teflon trough	Sheet 5 / 22

Ra 3,2



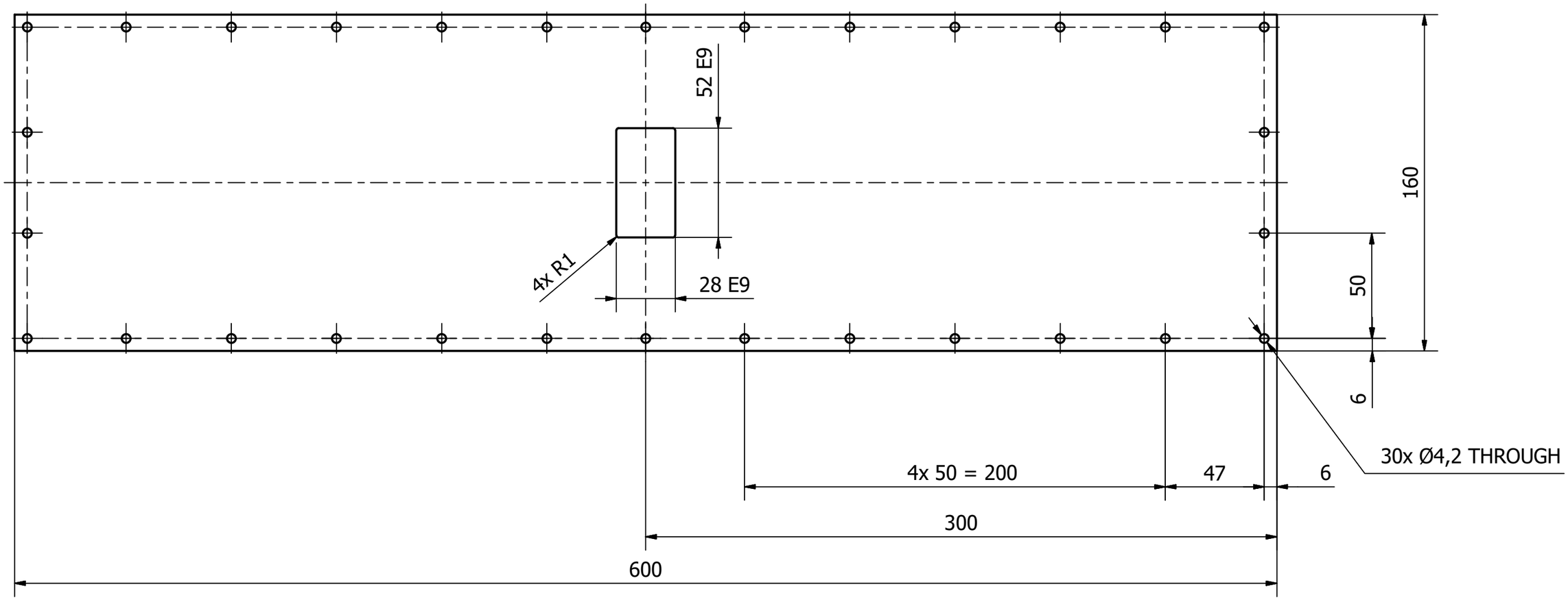
A-A (1 : 1)



Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN 1337	Rectangle 50 x 40	0,074 kg	1 : 1	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Hole for trough	Sheet 6 / 22

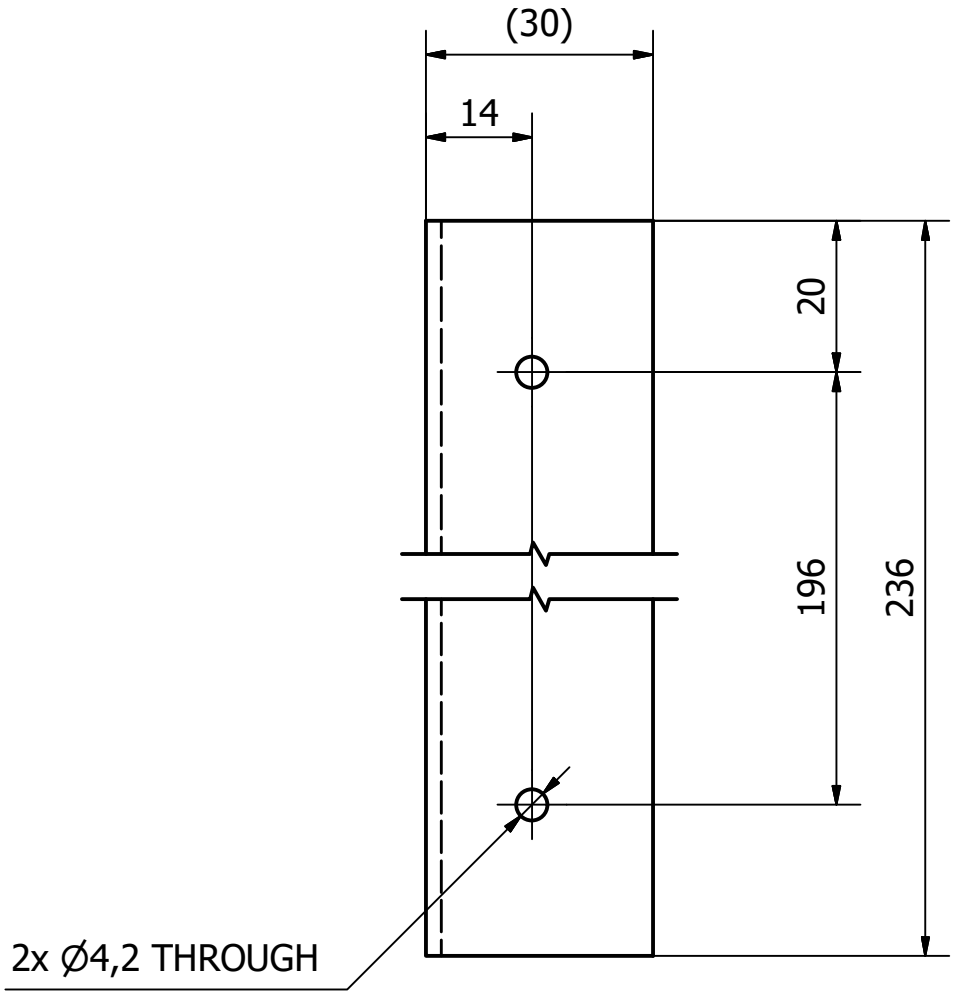
Ra 3,2

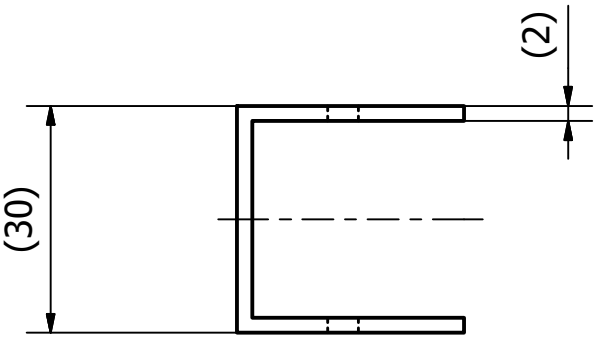


Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN AW 6060	Sheet 3 mm	0,762 kg	1 : 2	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Alluminium plate cover	Sheet 7 / 22

Ra 3,2





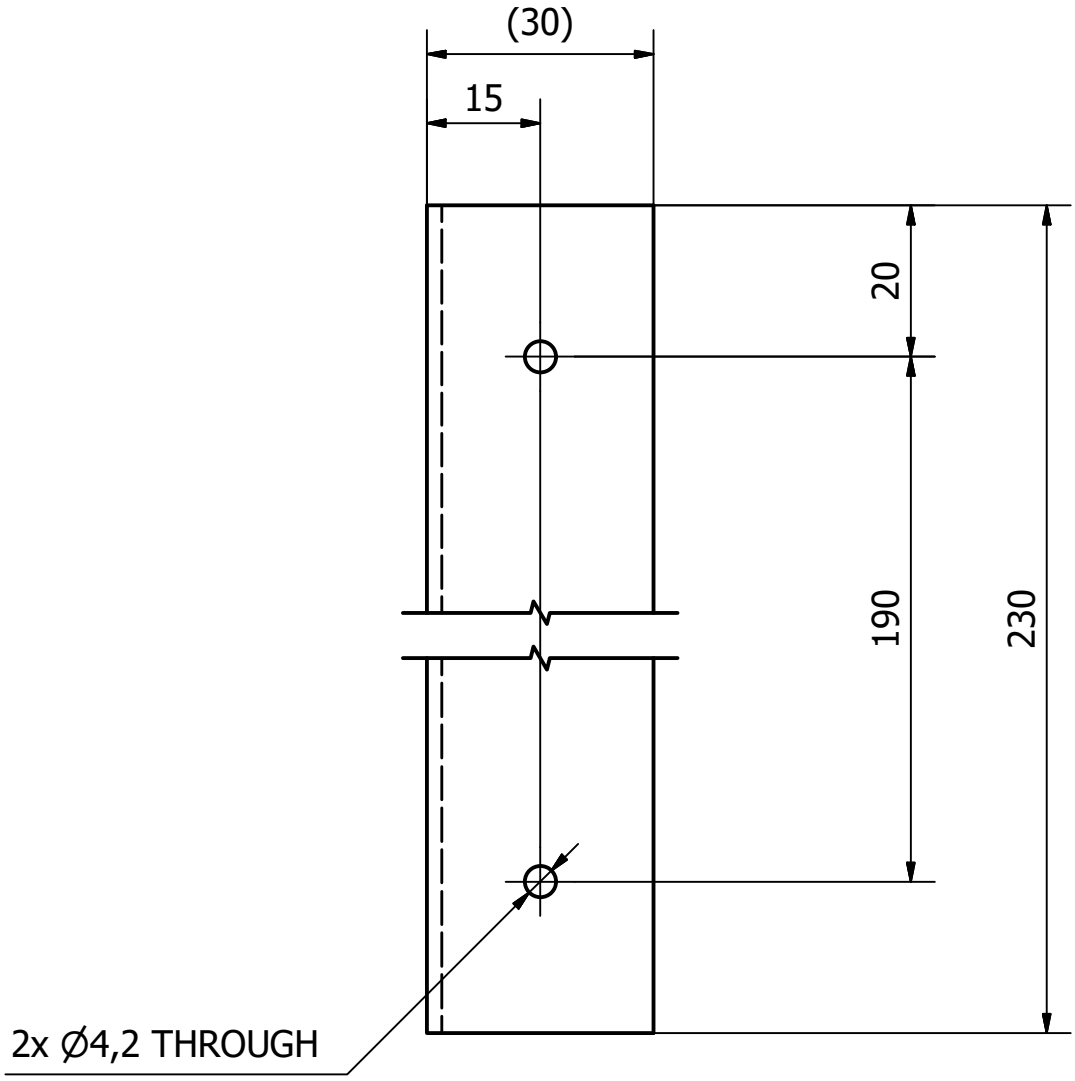
MATERIAL: ALLUMINIUM

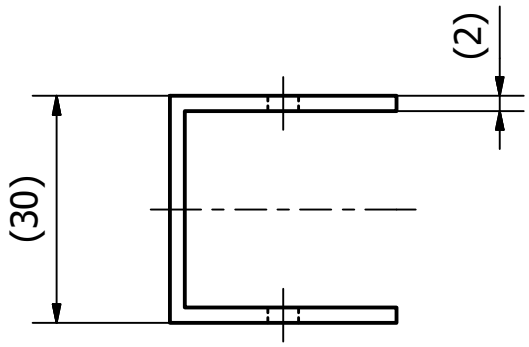
SCALE 1:1

Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN AW 6060	U 30 x 30 x 2	0,109 kg	1 : 1	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Spacer for base front	Sheet 8 / 22

Ra 3,2

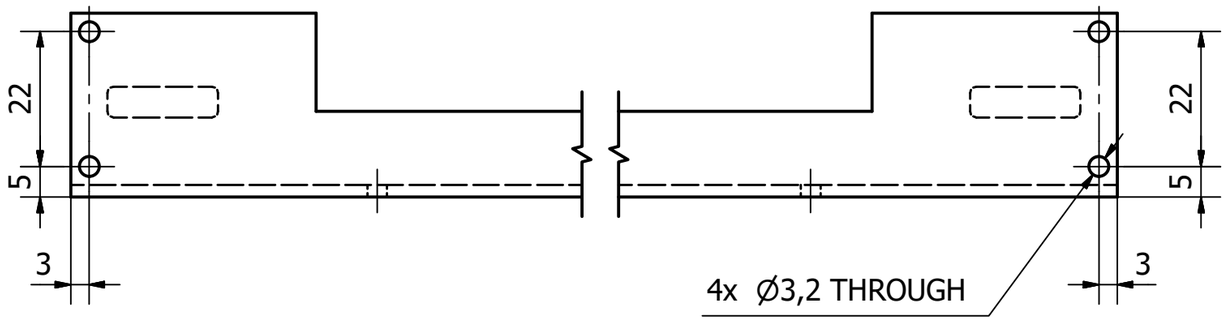


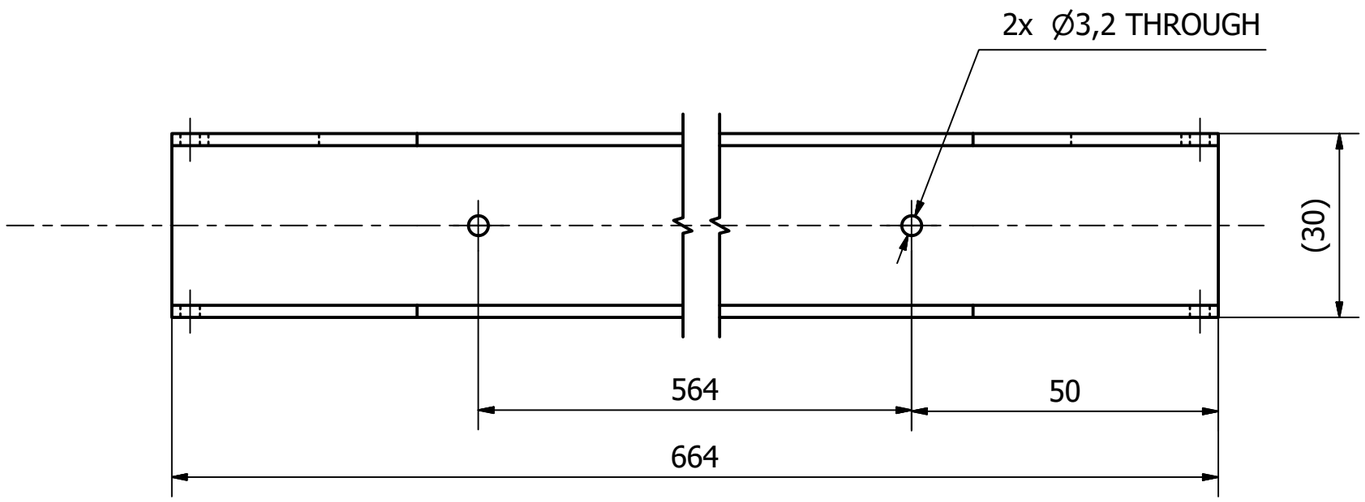


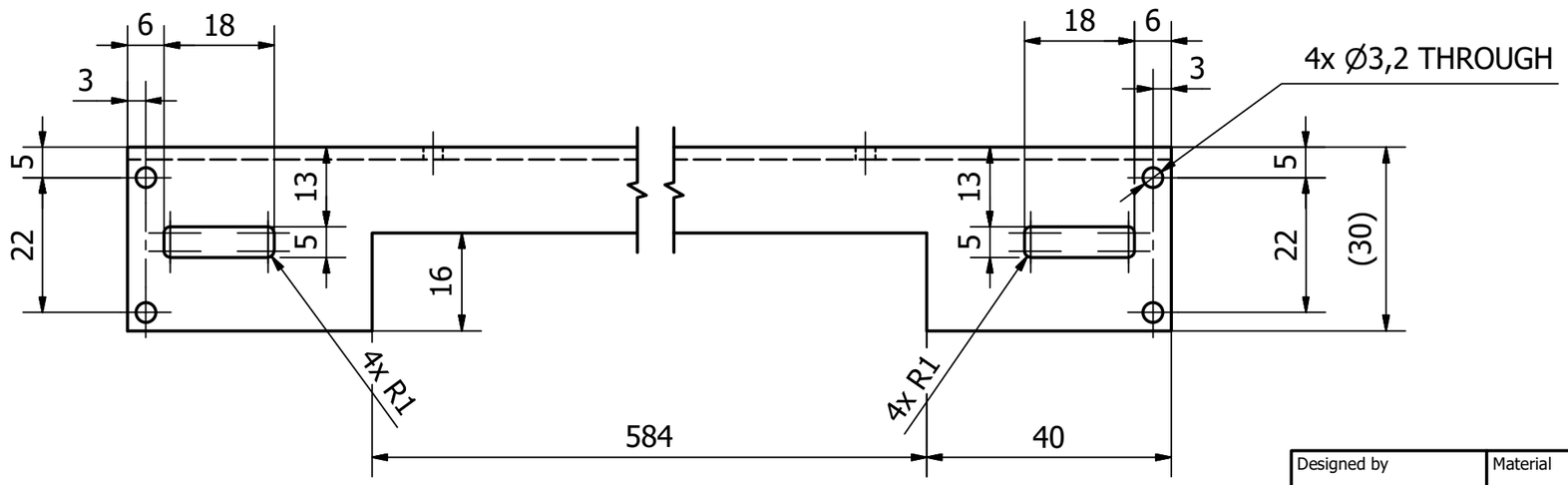
Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN AW 6060	U 30 x 30 x 2	0,107 kg	1 : 1	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Space for base side	Sheet 9 / 22

Ra 3,2



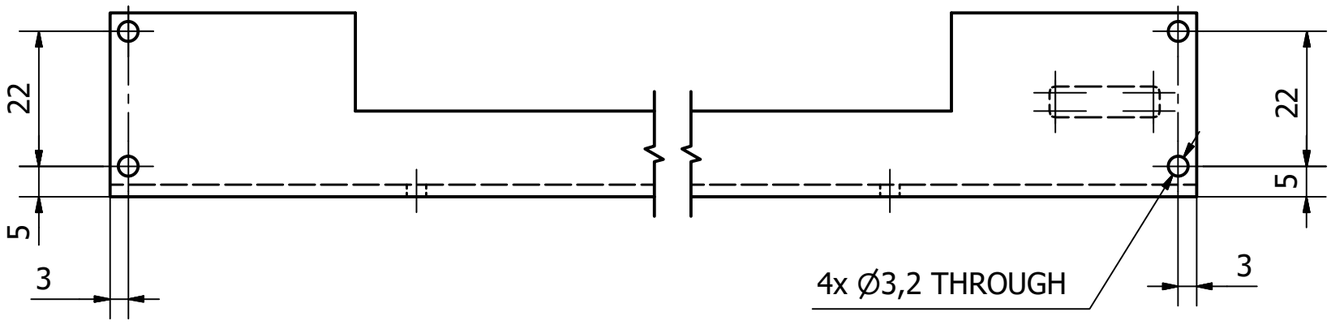


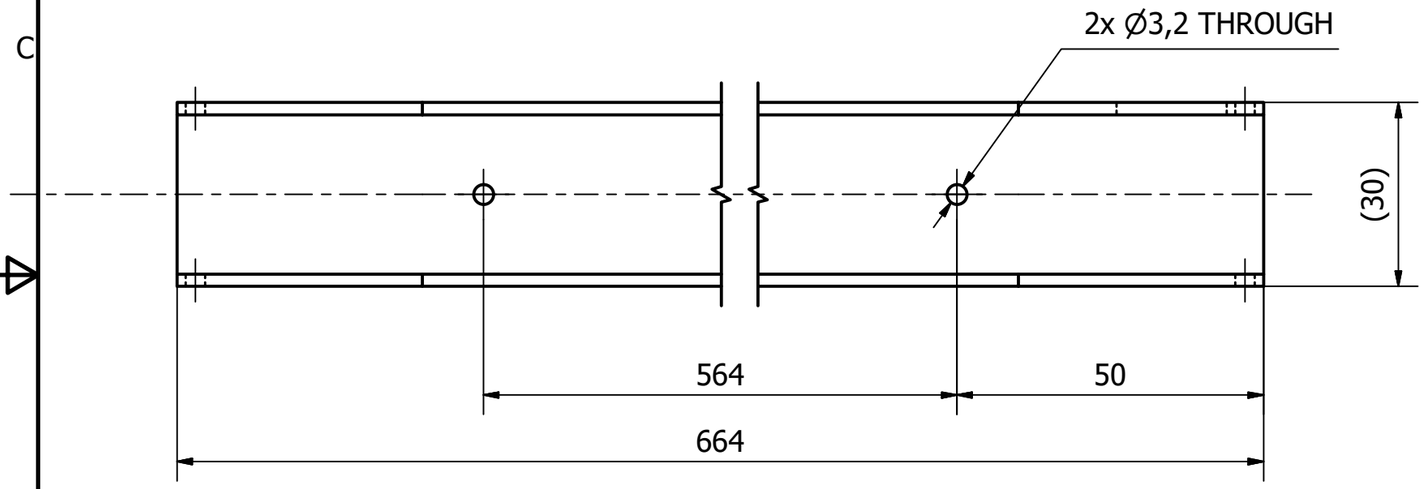


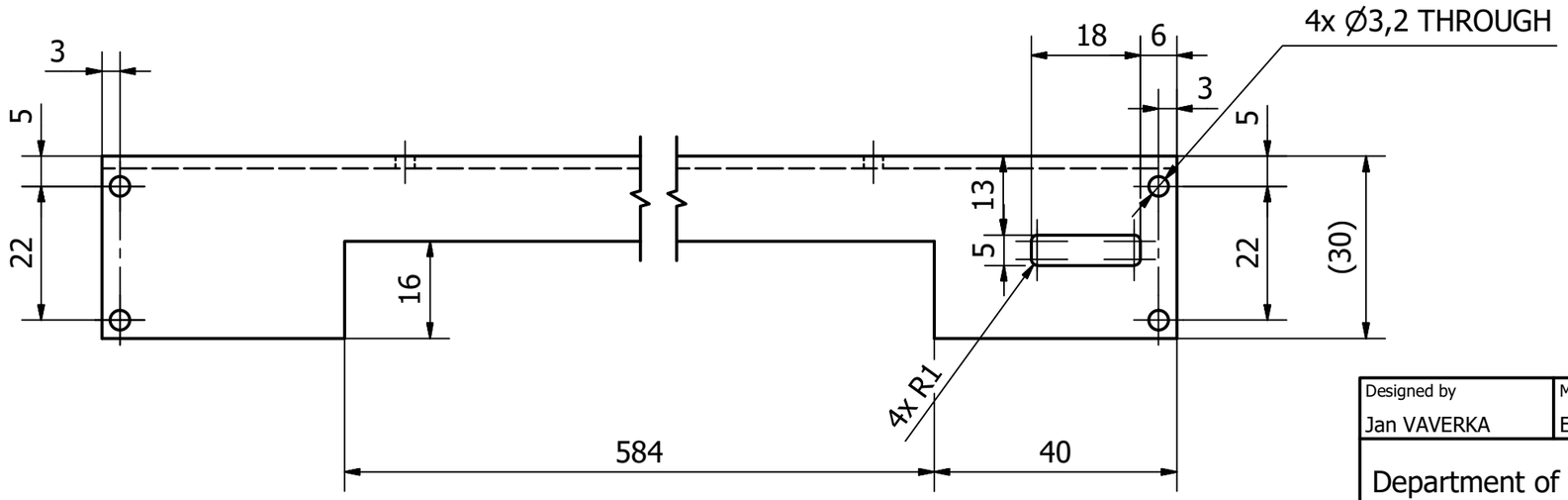
Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN AW 6060	U 30 x 30 x 2	0,206 kg	1 : 1	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature
	Side Cover a
	Sheet 10 / 22

Ra 3,2







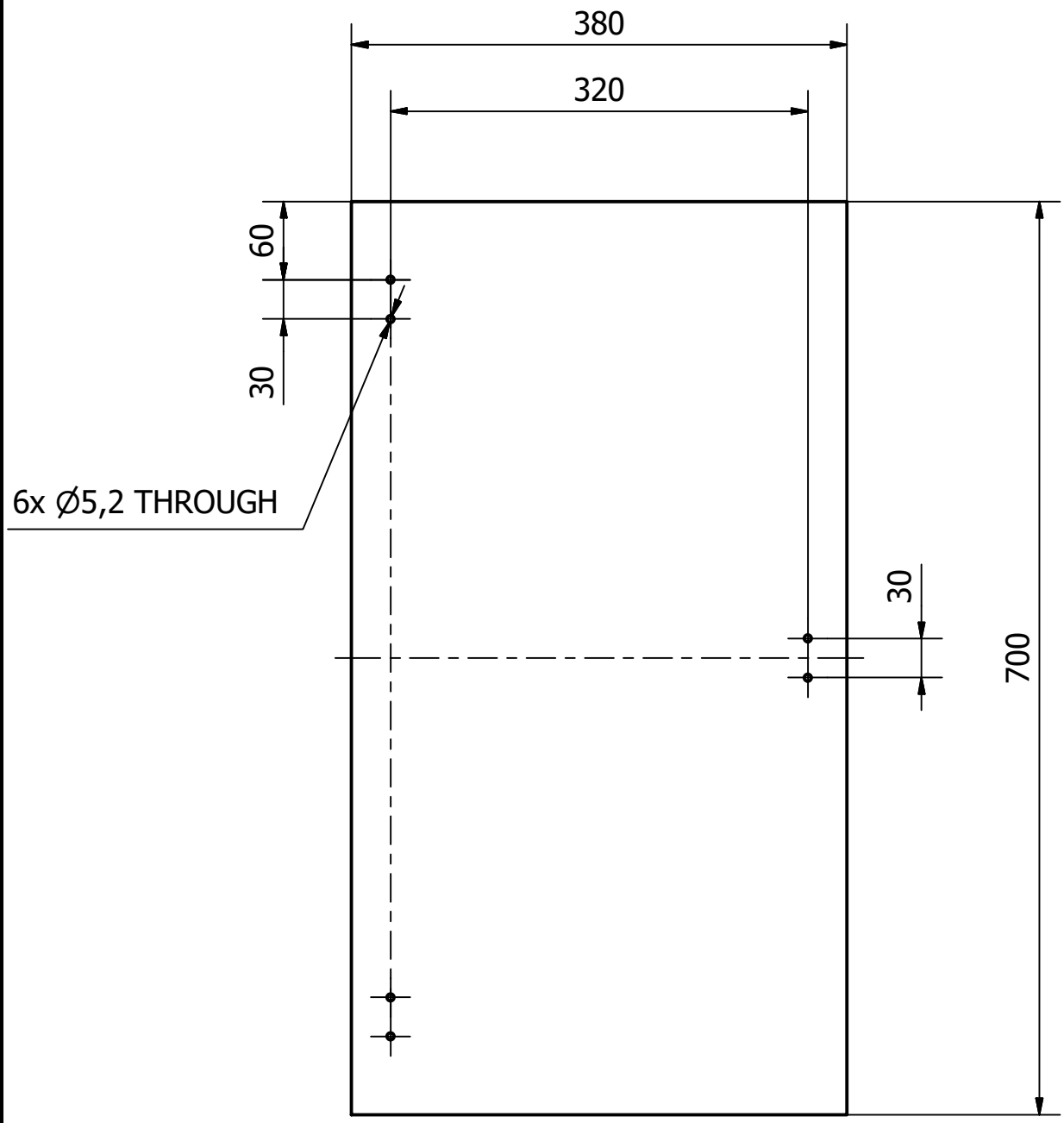
Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN AW 6060	U 30 x 30 x 2	0,207 kg	1 : 1	05.12.2015

Department of Condensed Matter Physics

Langmuir-Blodgett deposition aparature

Side cover b

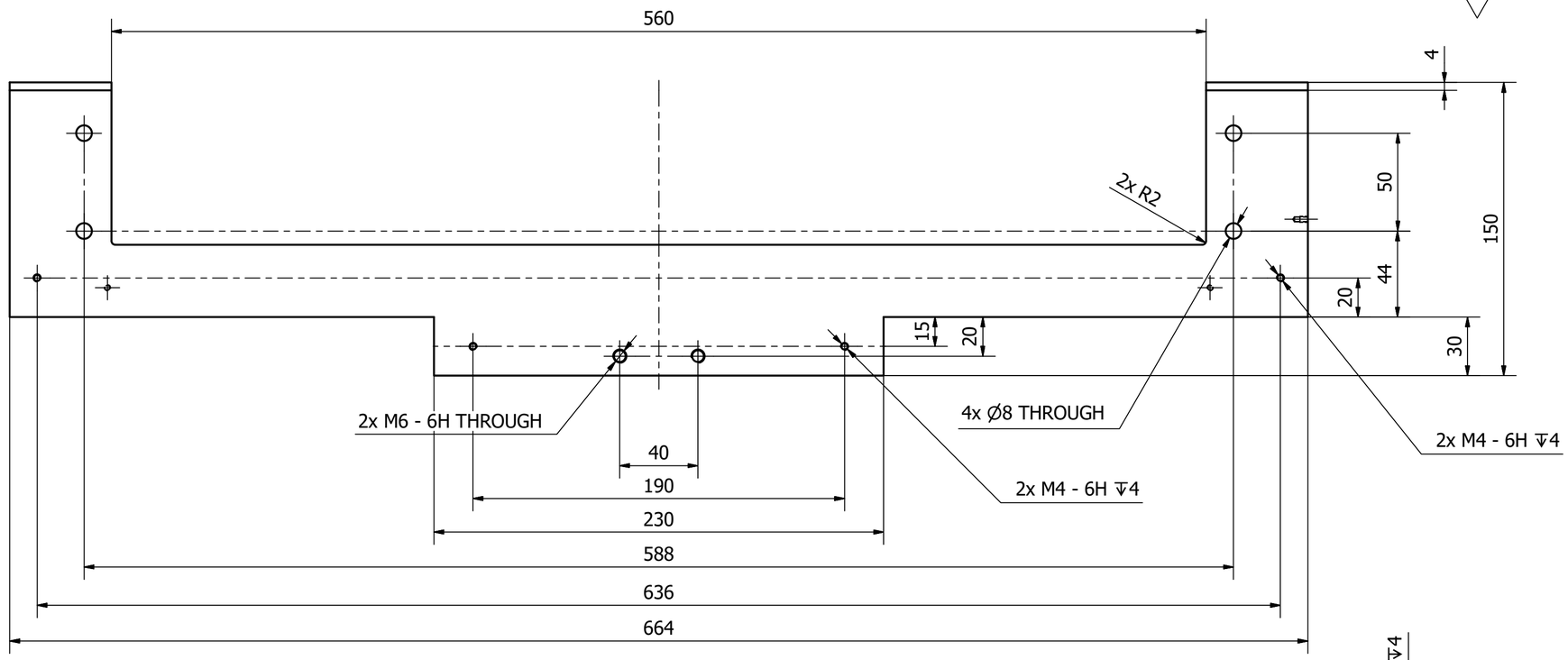
Sheet 11 / 22

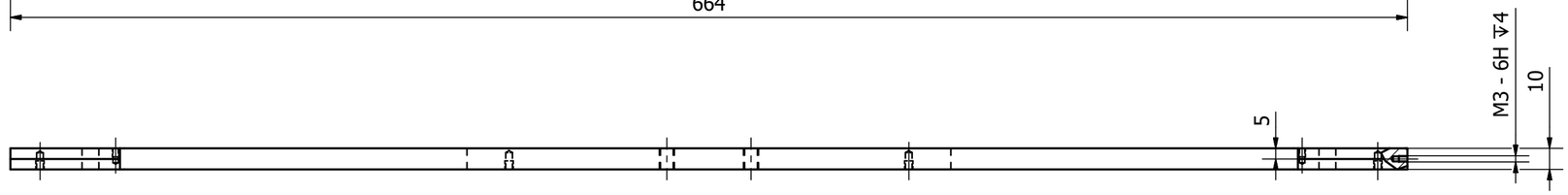


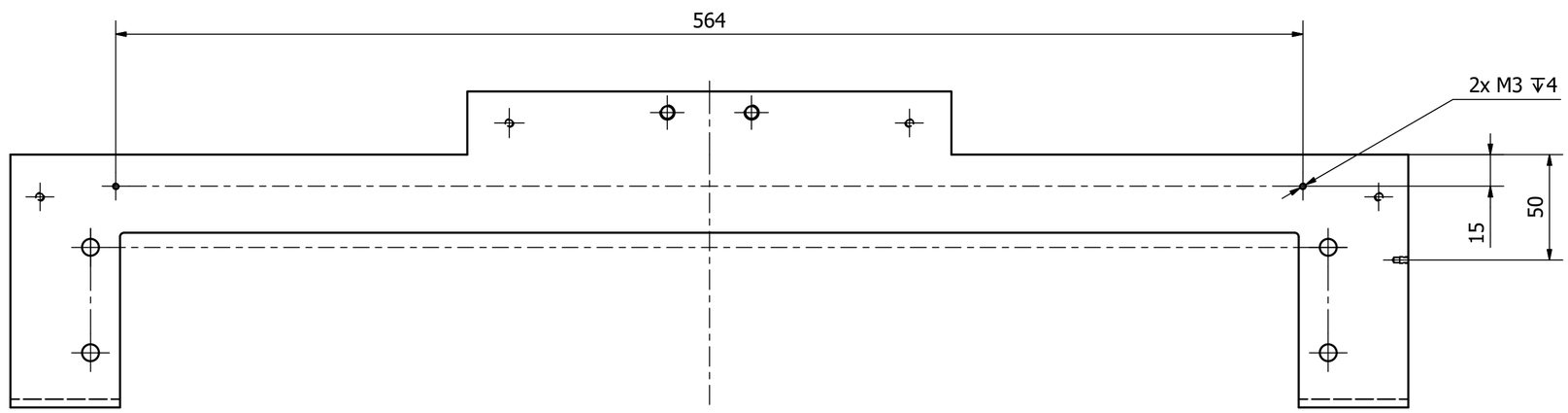
Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN 338	Rectangle 700 x 10	2,021 kg	1 : 5	05.12.2015

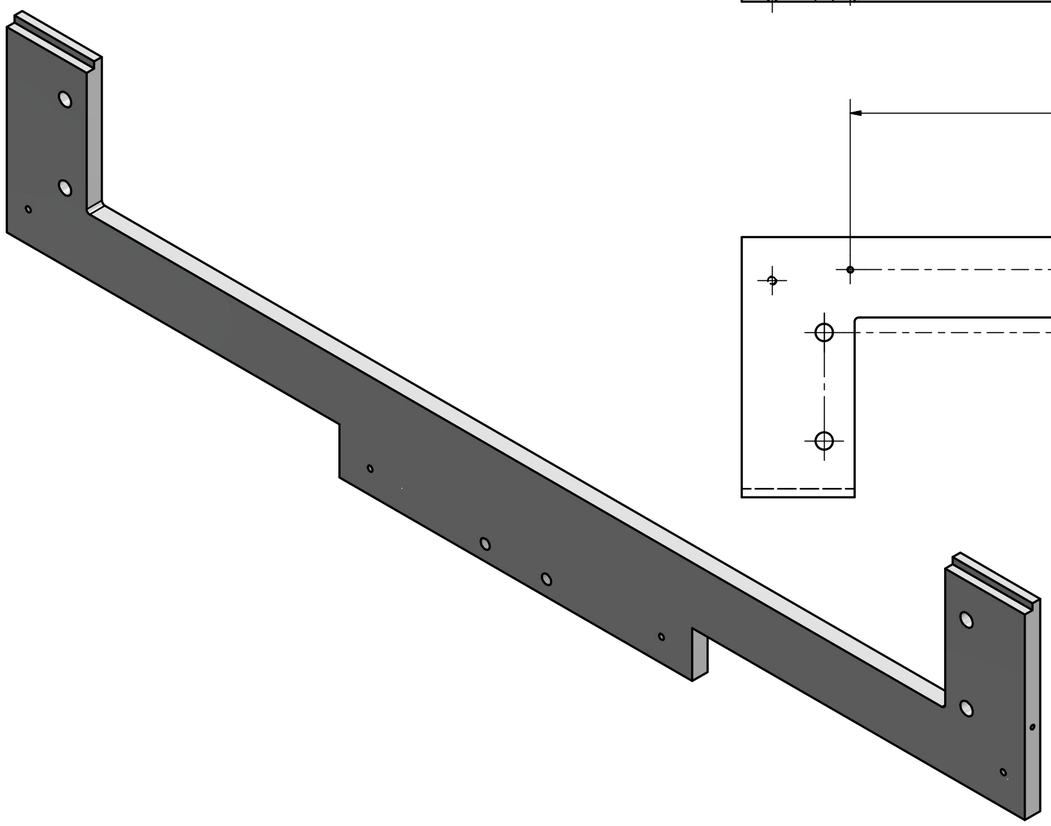
Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Wooden desk	Sheet 12 / 22

Ra 3,2





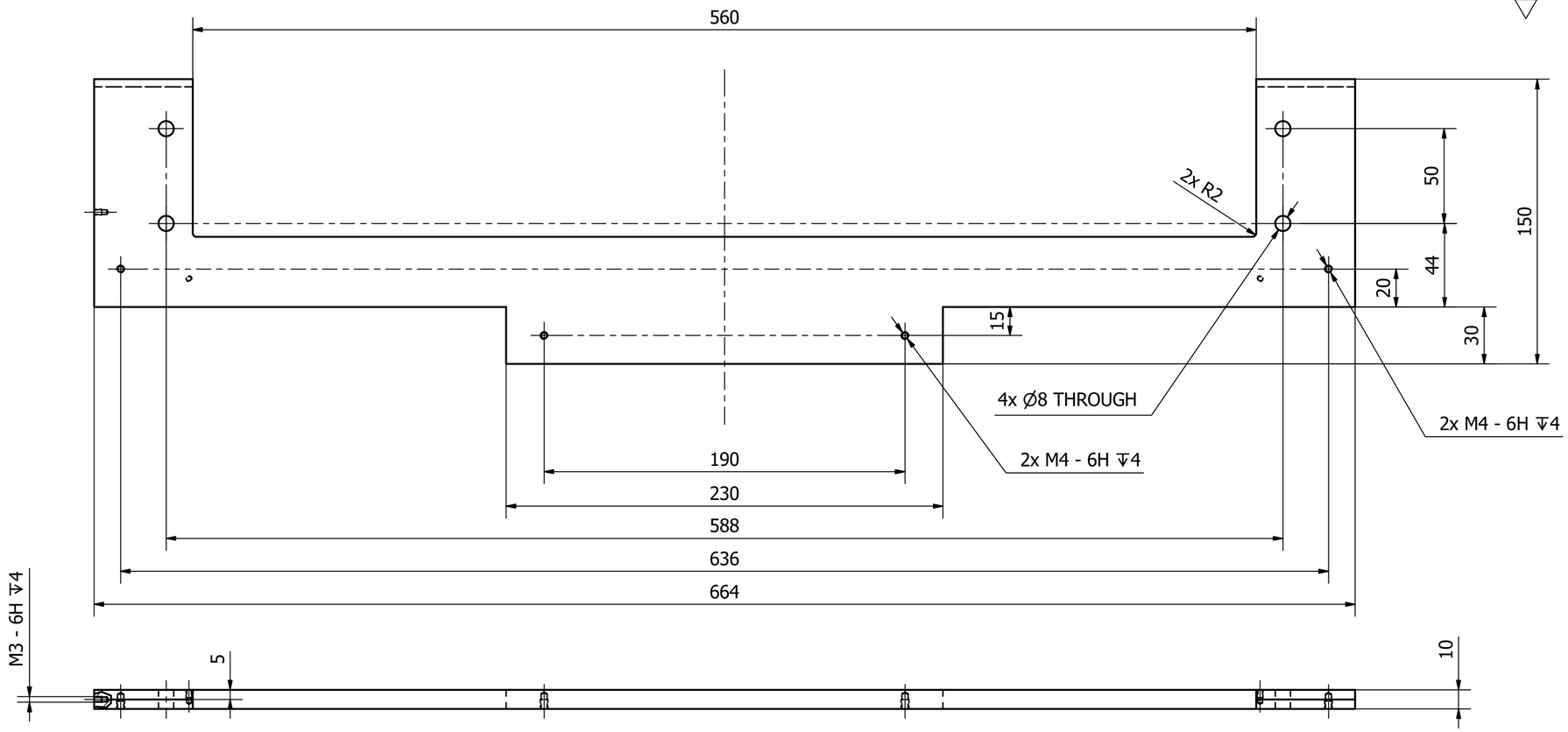


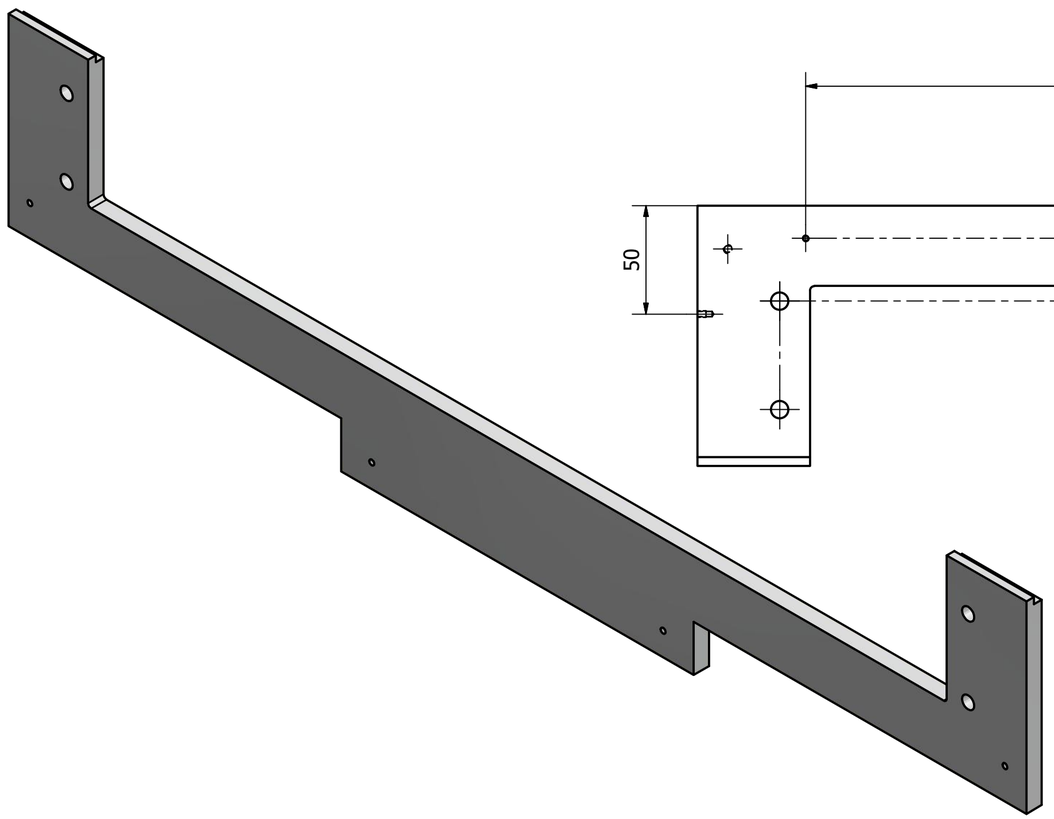


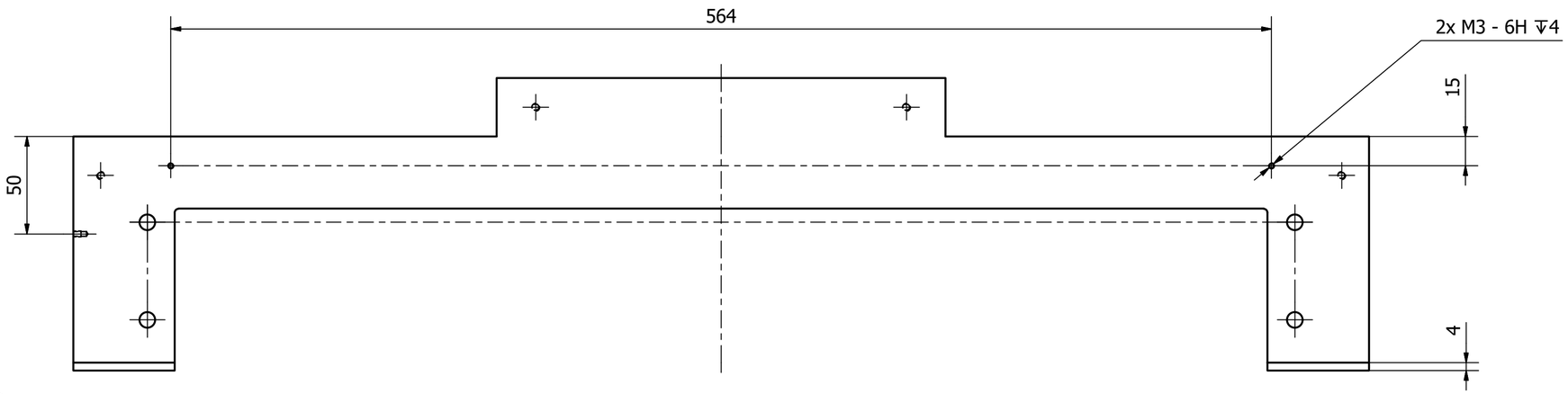
Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN AW 6060	Rectangle 150 x 10	1,069 kg	1 : 2	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Desk for base a	Sheet 13 / 22

Ra 3,2



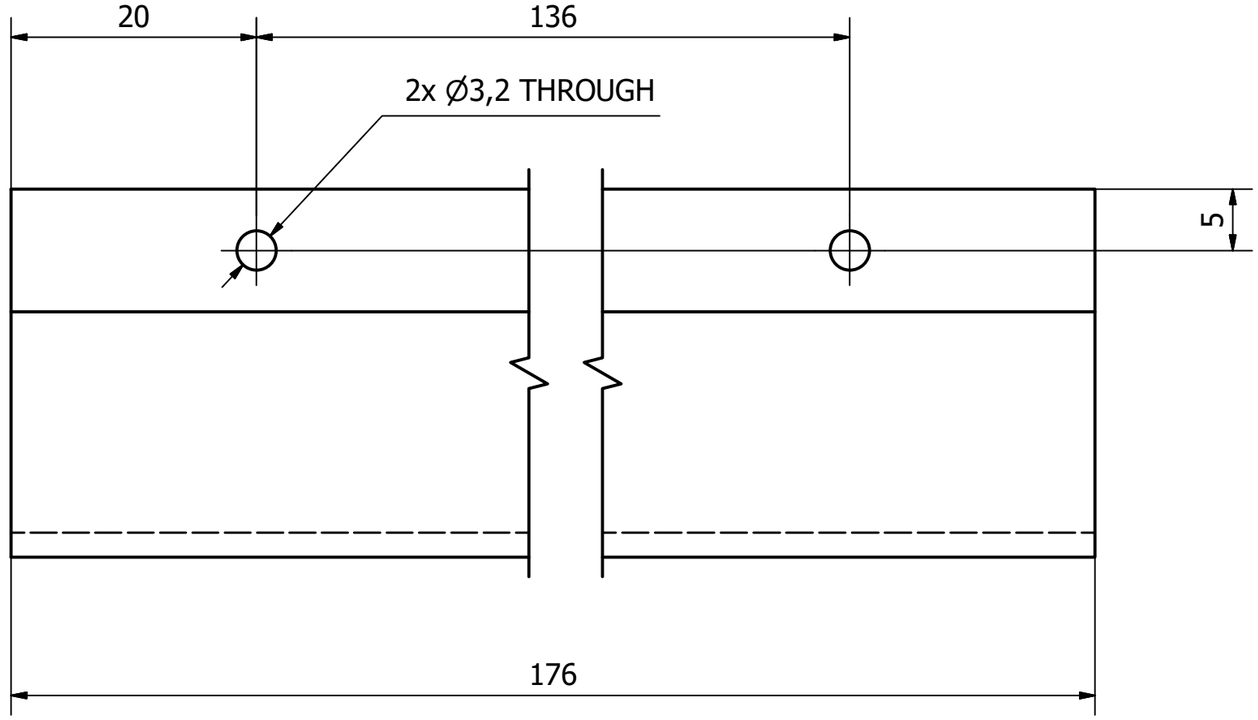


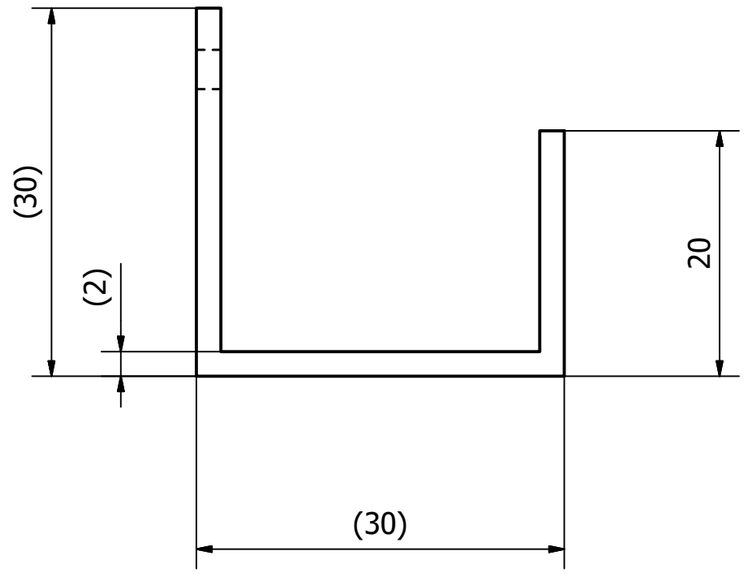


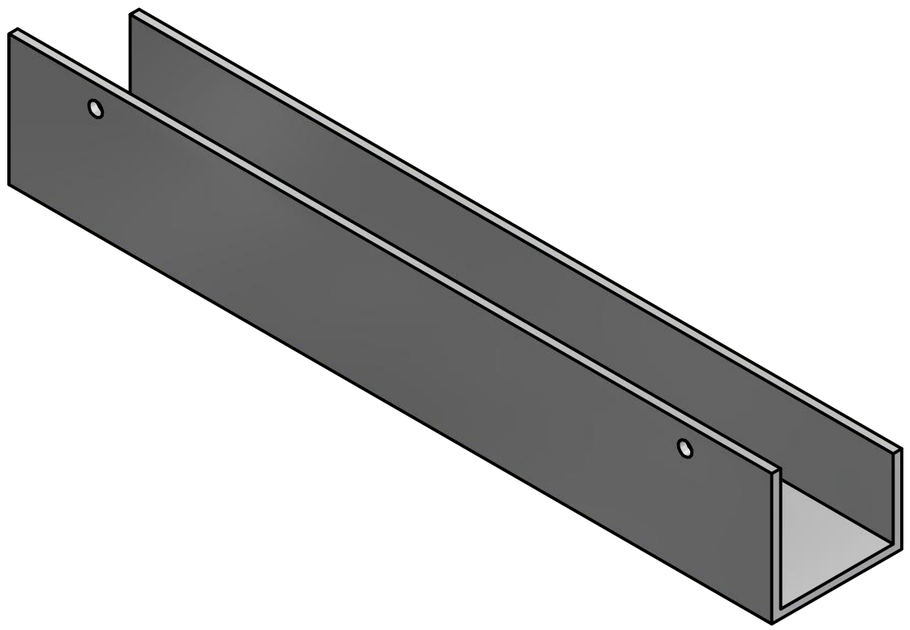
Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN AW 6060	Rectangle 150 x 10	1,071 kg	1 : 2	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Desk for base b	Sheet 14 / 22

Ra 3,2



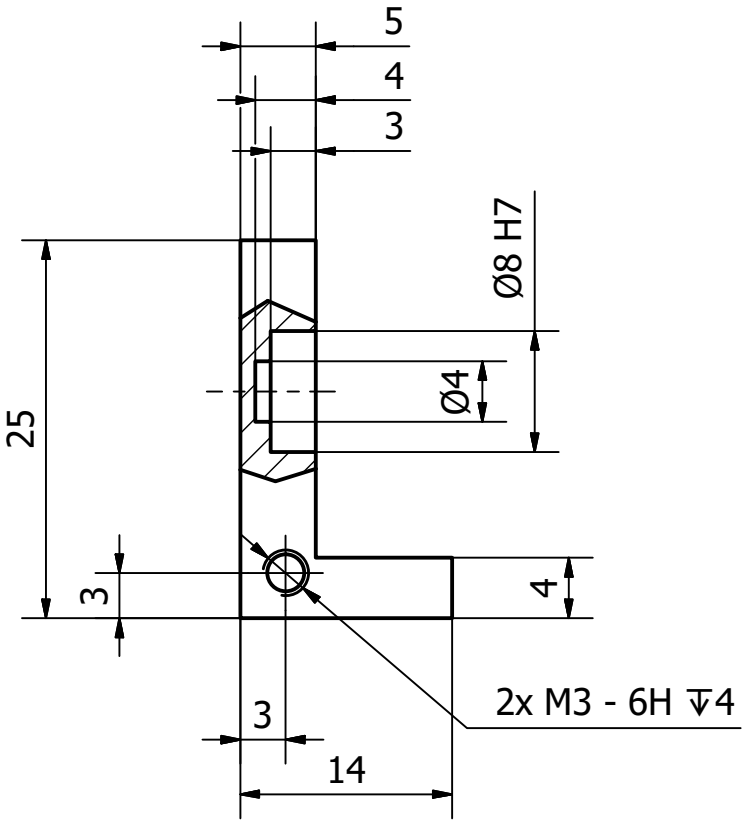


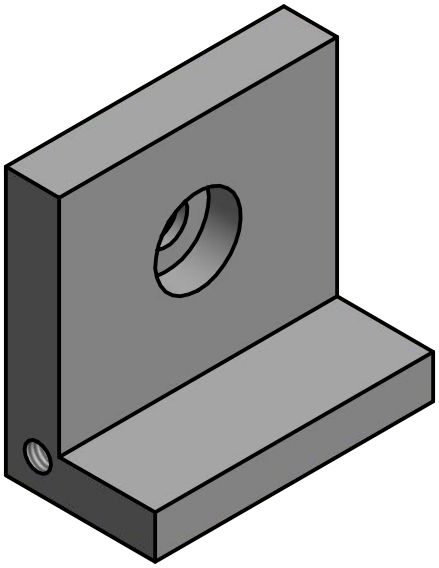


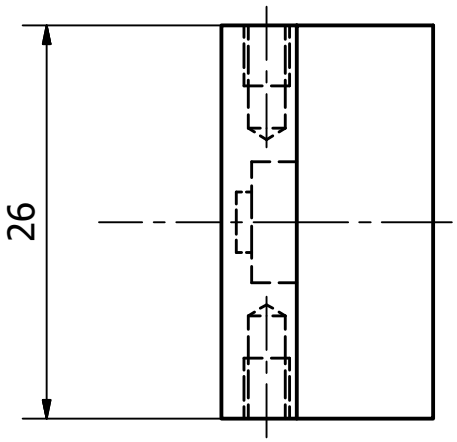
Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN AW 6060	U 30 x 30 x 2	0,072 kg	2 : 1	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Cover for short belt	Sheet 15 / 22

Ra 3,2

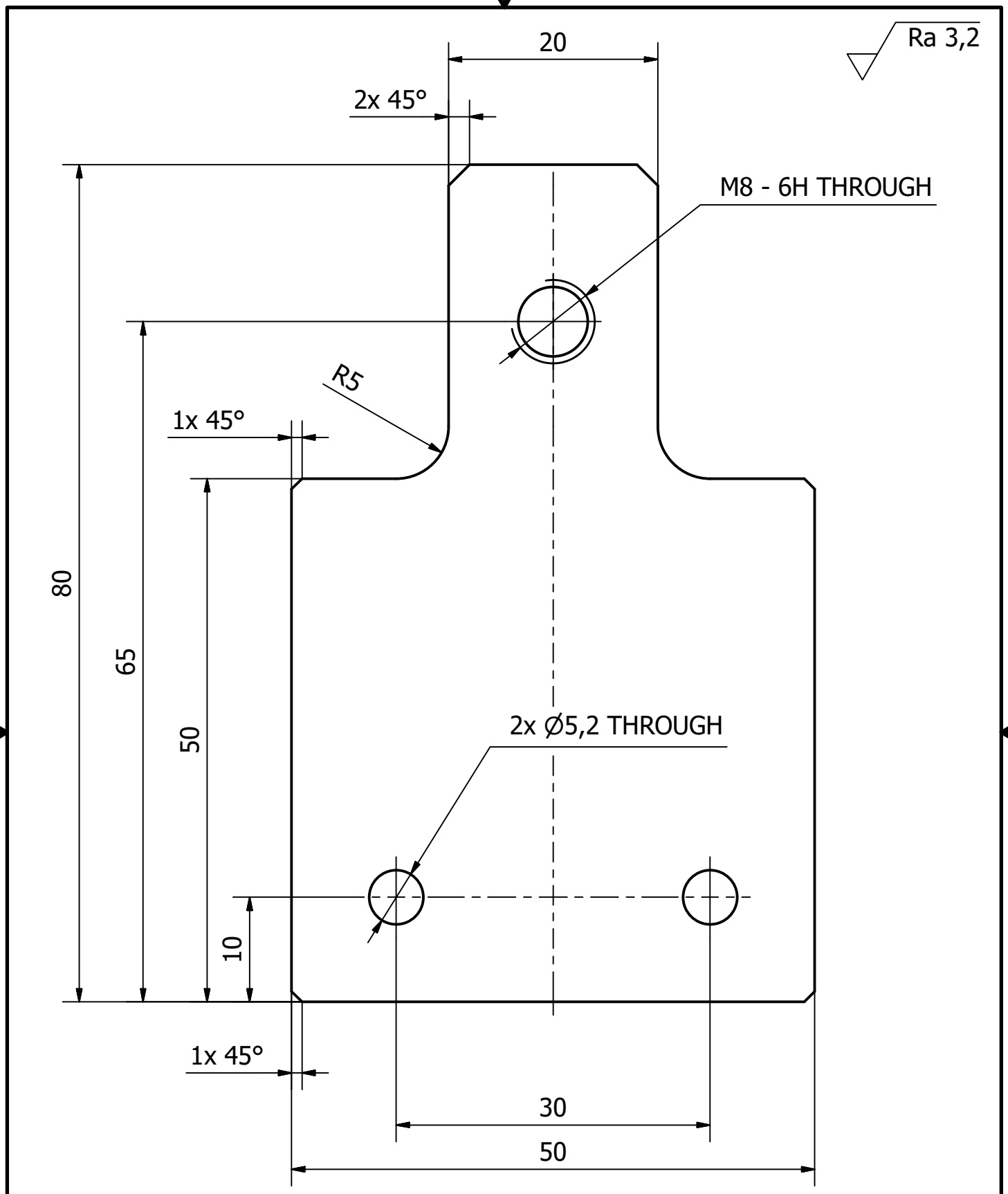






Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN AW 6060	Rectangle 60 x 20	0,011 kg	2 : 1	05.12.2015

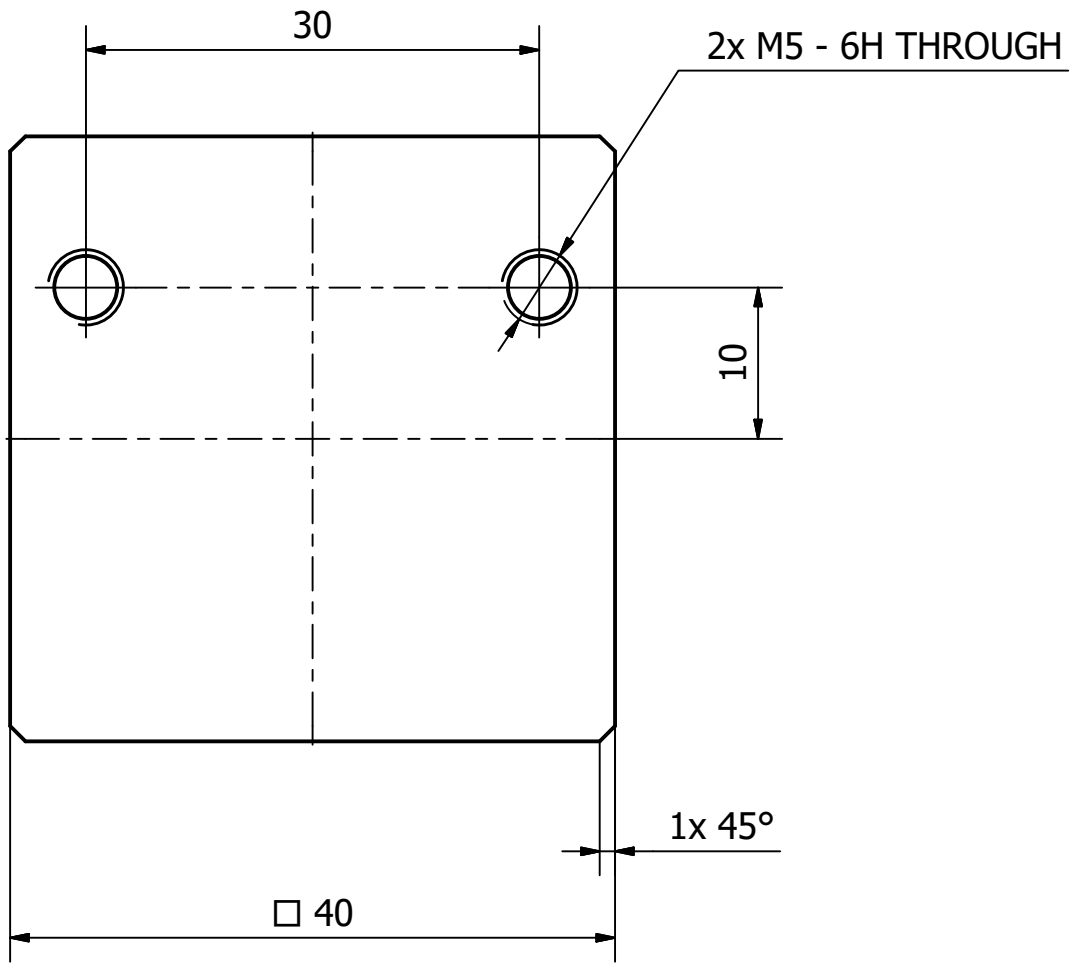
Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Wheel holder	Sheet 16 / 22



Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN CW508L	Rectangle 50 x 5	0,128 kg	2 : 1	05.12.2015

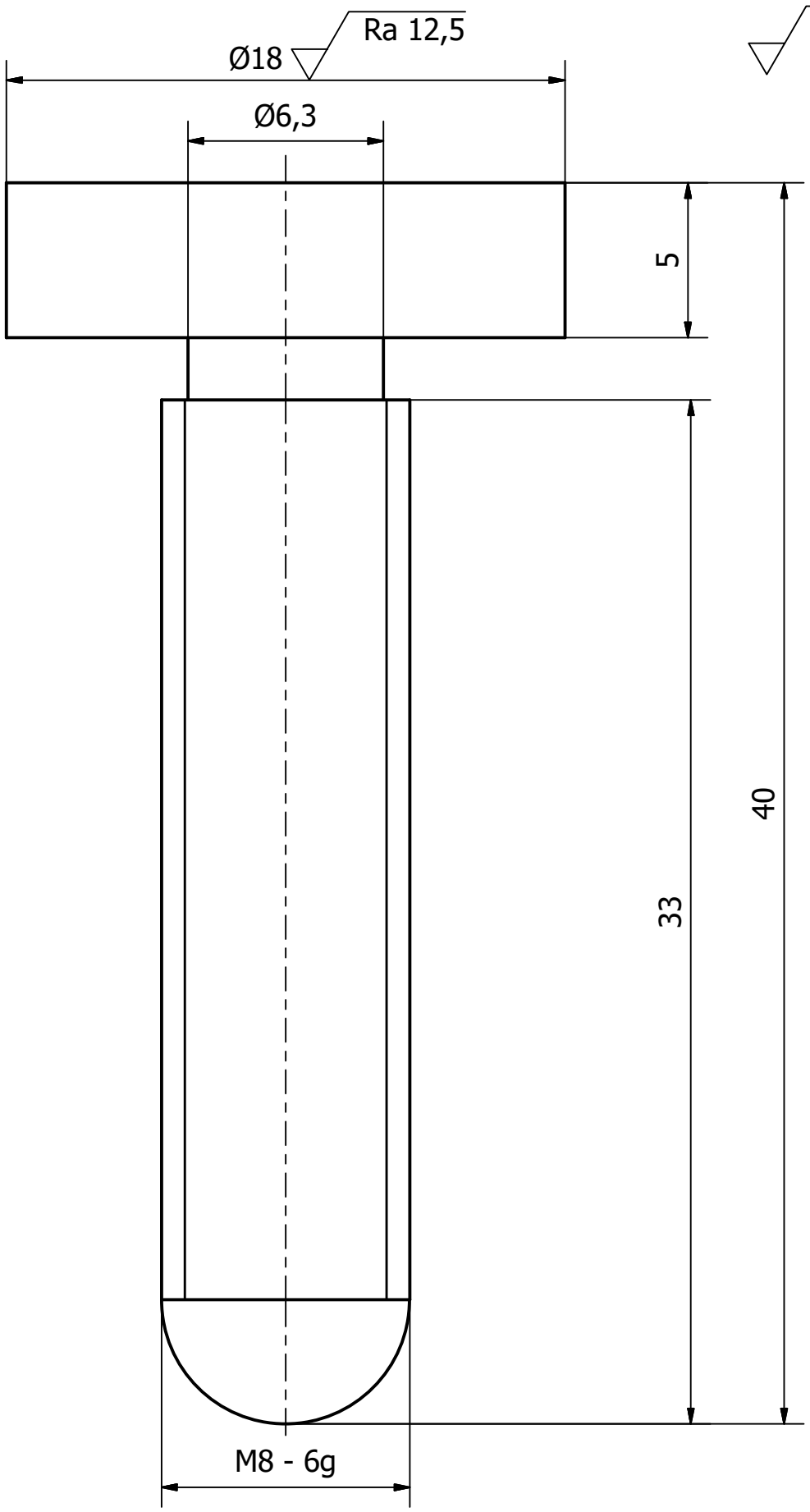
Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Brass Top	Sheet 17 / 22

Ra 3,2



Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN CW508L	Ractangle 50 x 5	0,067 kg	2 : 1	05.12.2015

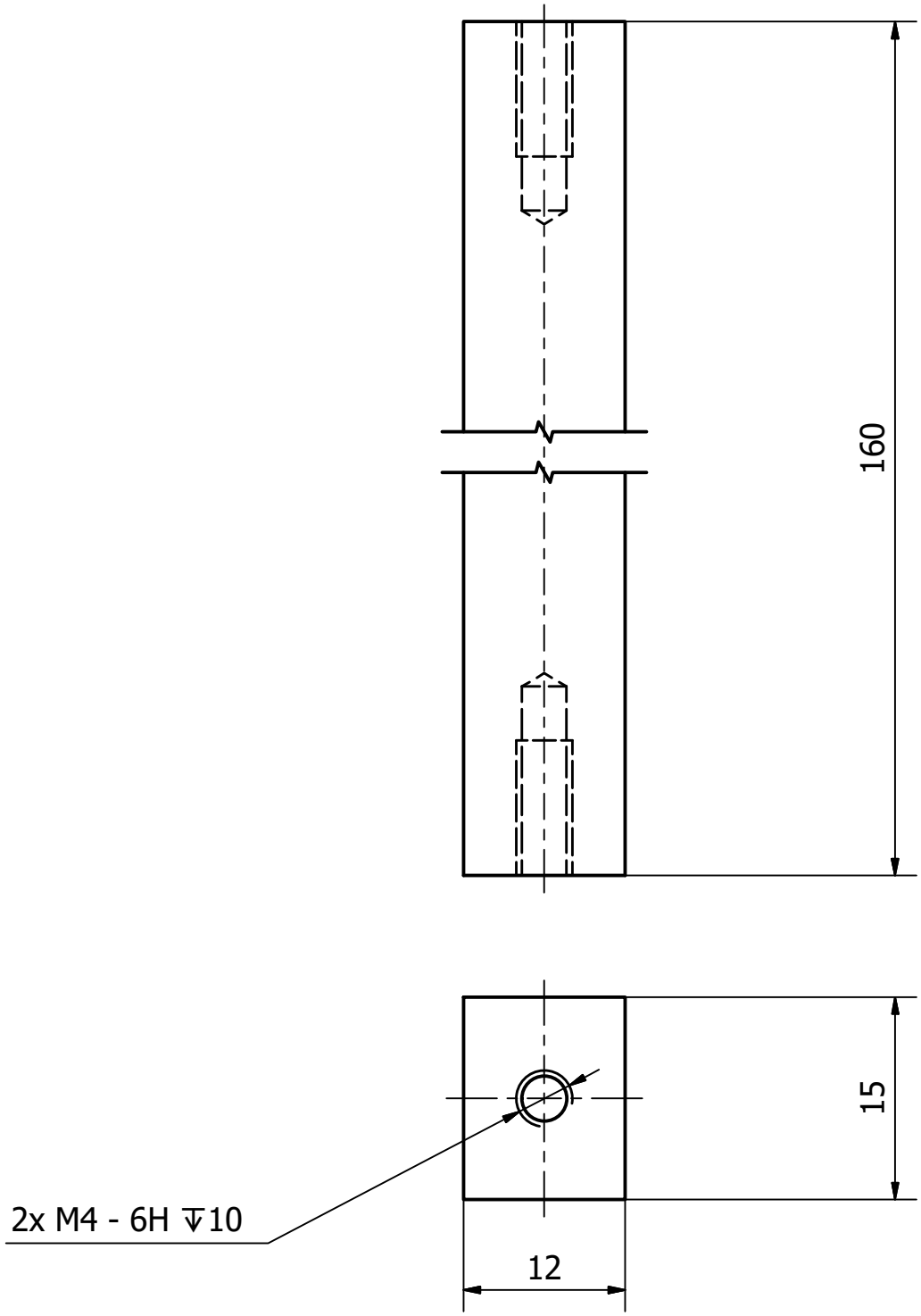
Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Brass bottom	Sheet 18 / 22



Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN CW508L	ø18	0,025 kg	5 : 1	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Brass screw	Sheet 19 / 22

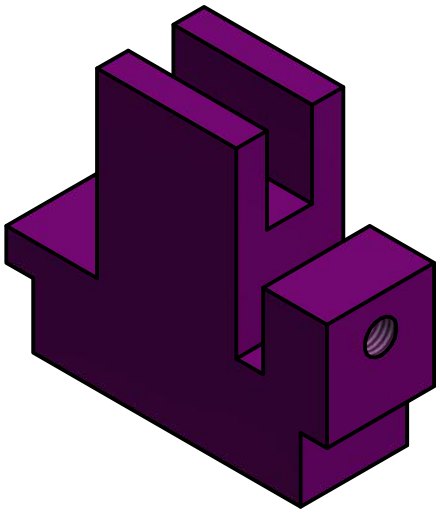
Ra 3,2

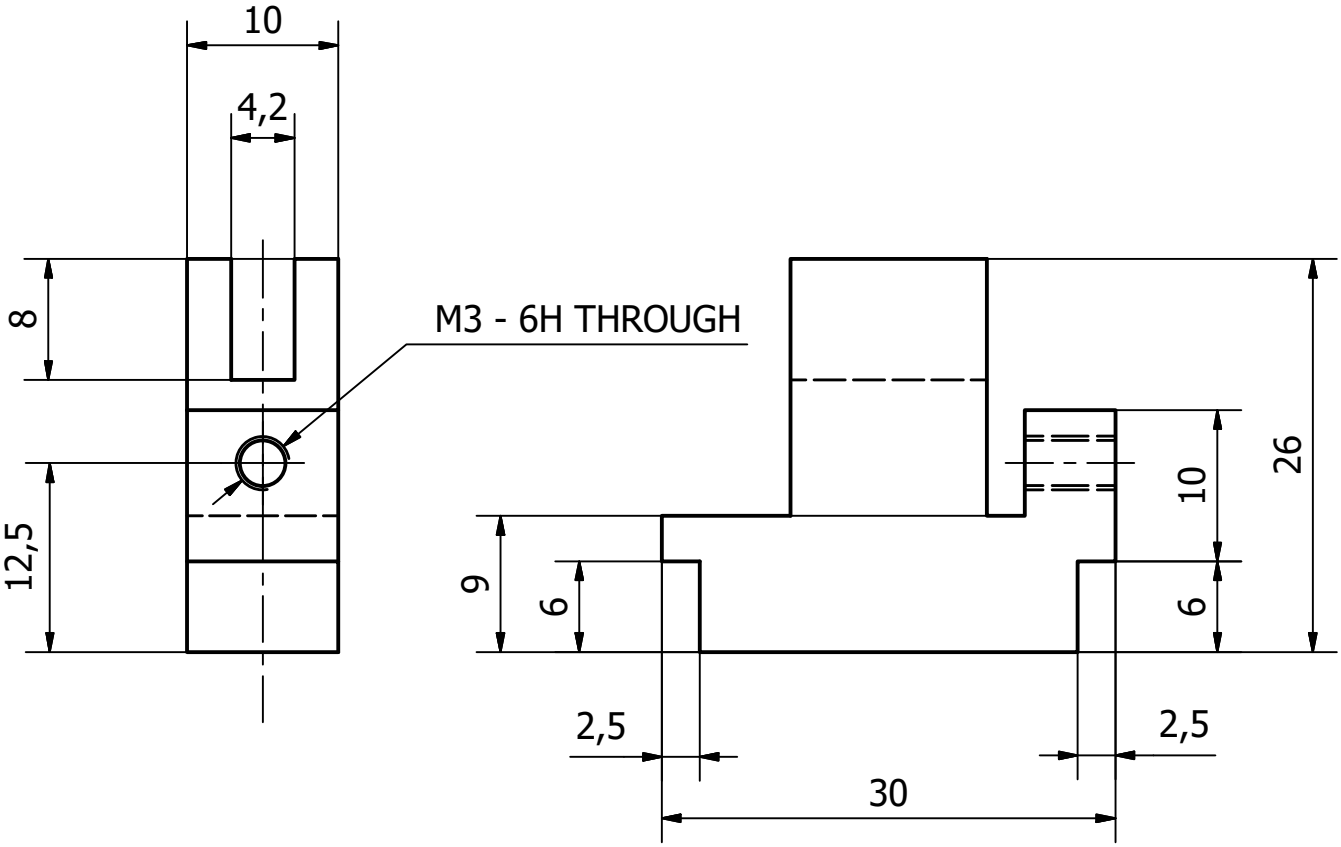


Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN 9988-2	Rectangle 15 x 12	0,041 kg	2 : 1	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Barrier	Sheet 20 / 22

Ra 3,2

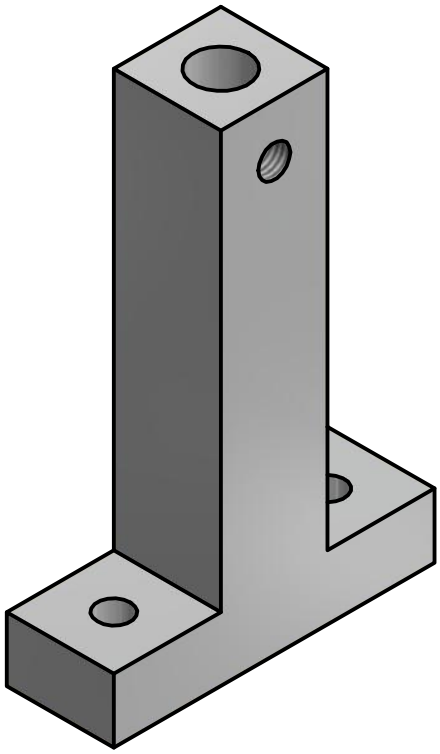


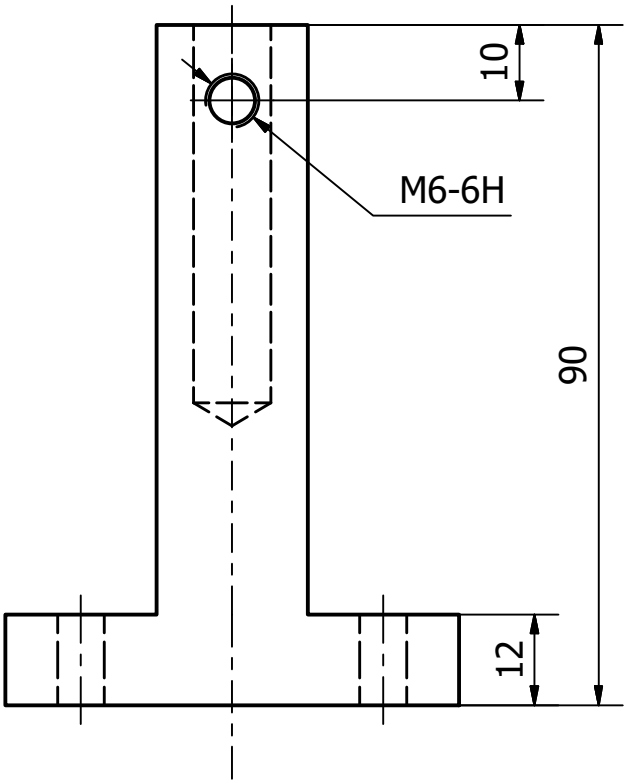


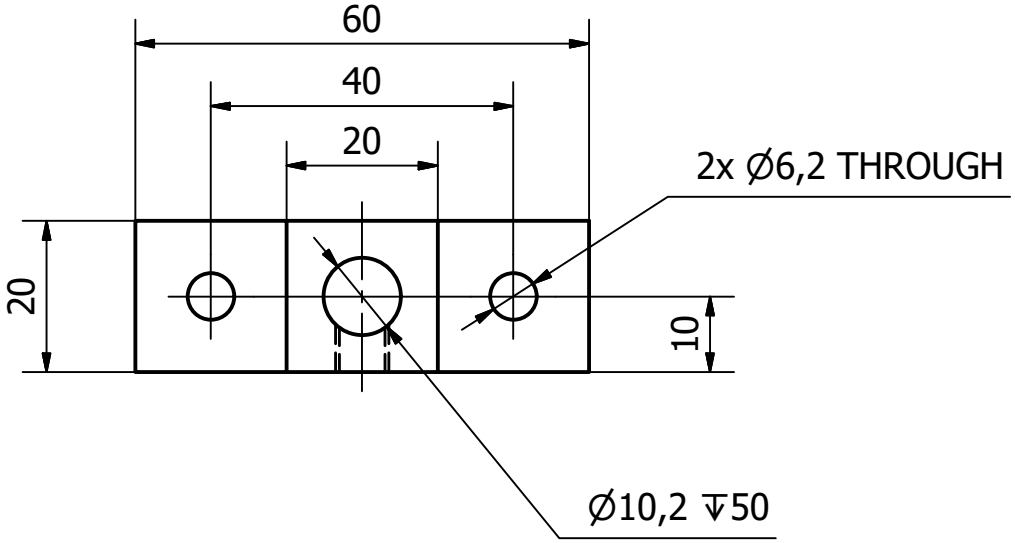
Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN 15791-1		0,005 kg	2 : 1	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Travel	Sheet 21 / 22

Ra 3,2







Designed by	Material	Profile	Mass	Scale	Date
Jan VAVERKA	EN AW 6060	Rectangle 60 x 20	0,110 kg	1 : 1	05.12.2015

Department of Condensed Matter Physics	Langmuir-Blodgett deposition aparature	
	Gauge base	Sheet 22 / 22