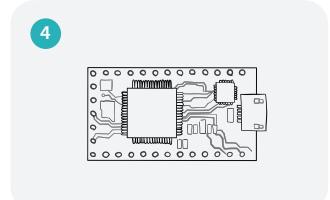
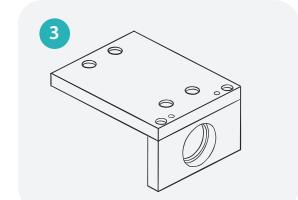
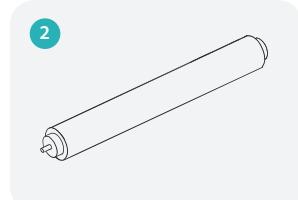
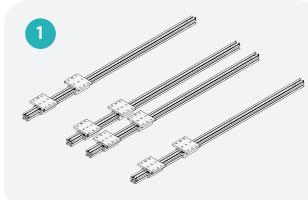


Supplier	Stock no.	Units	Description	Length	Unit price (excl. VAT)	Price (excl. VAT)
<b>1 Rail system</b>						
HNC group	3 842 990 720	1	Profile 30x30	4 m	10.10 USD/m	40.40 USD
HNC group	8 981 535 477	8	EcoSlide 30x30x160 Runner block		43.80 USD	350.40 USD
HNC group	3 842 552 423	8	Slider slot 8 mm flat locable		11.20 USD	89.60 USD
HNC group	3 842 514 931	8	Notsten N8/M8		0.75 USD	6.00 USD
HNC group	3 842 523 212	16	Glider N8 Flad		3.60 USD	57.60 USD
HNC group	3 842 516 846	8	Handle 20 mm		4.50 USD	36.00 USD
HNC group	3 842 552 421	70	Plastic tapping screws 3,5x14		0.20 USD	14.00 USD
<b>Seatbelt system</b>						
Rehabiler		4	Seatbelt for wheelchairs		186.00 USD	744.00 USD
<b>Roller system</b>						
Student workshop		2	Aluminum rod Ø30 for rollers	271 mm		
		2	Aluminum rod Ø30 for rollers with encoder	289 mm		
RS Components	619-0323	8	Ball bearing		5.30 USD	42.40 USD
Student workshop		8	Angle bracket for connecting rollers and ecoslider			
<b>4 Electronics</b>						
RS Components	796-7878	2	Incremental optical encoder		25.20 USD	50.40 USD
RS Components	796-7830	2	Codewheel for encoder		18.60 USD	37.20 USD
RS Components	124-5510	1	Teensy		32.50 USD	32.50 USD
		1	USB cable			
<b>Mounting system</b>						
Student workshop		1	Plate of hardwood plywood 2440 x 1220 x 19 mm	600 x 1320 x 19 mm	74.40 USD	74.40 USD
Johannes Fog		2	Clamps		6.20 USD	12.40 USD
<b>Total price</b>						<b>1,587.30 USD</b>



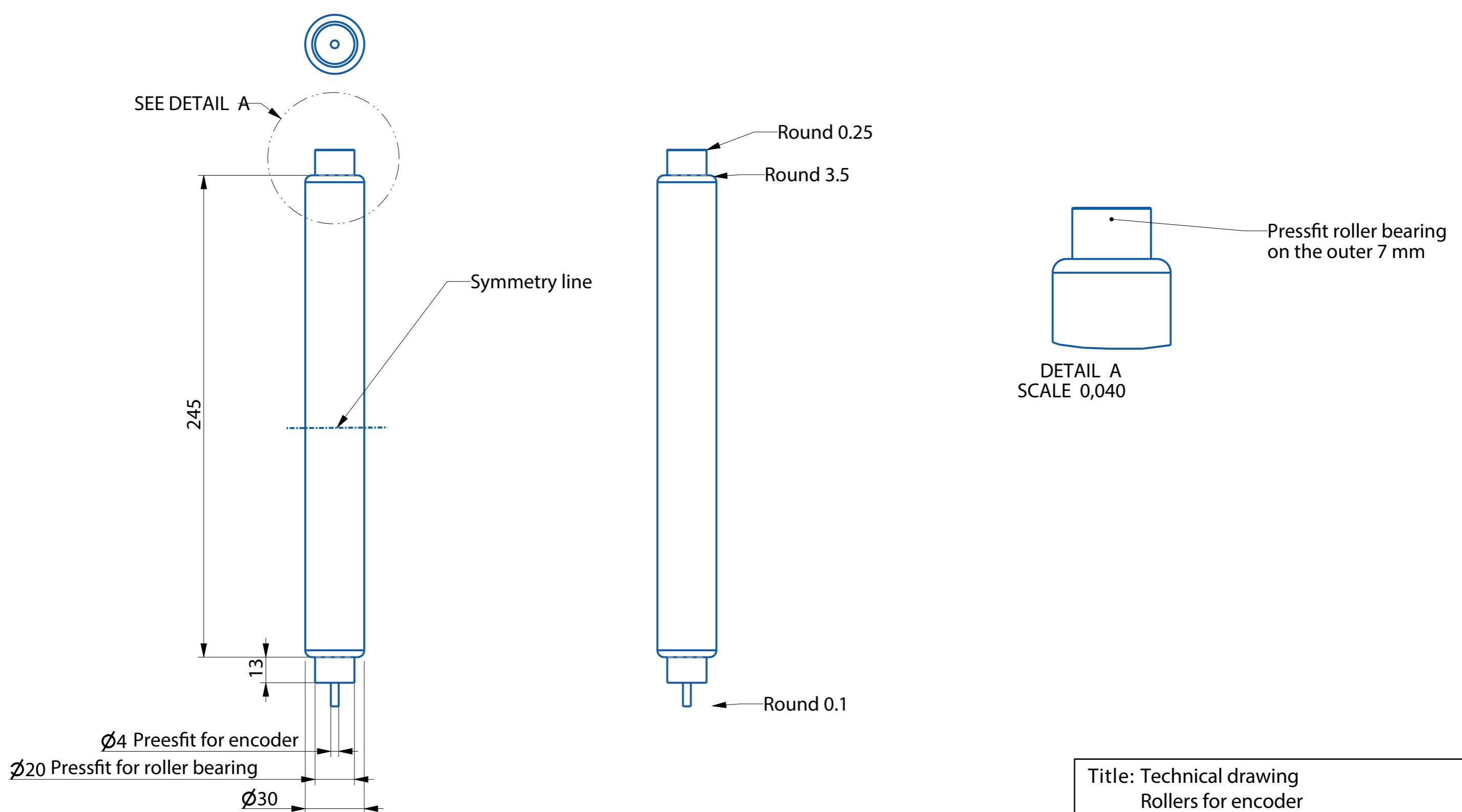
As can be seen in the overview of component costs, the functional prototype has an approximate cost of 1,900 USD incl. VAT, but without the costs of the components manufactured in-house at DTU. The functional prototype of Whee'lliConnect has rollers and angle brackets manufactured in a workshop at DTU without payment. Furthermore, the purchased rail system has been further processed in the workshop as well as a plate for mounting it, which was also processed by the workshop. One man-hour in the workshop is approximately 100 USD and in addition, we would have had to pay for the materials. Torben Bender Christensen, who is in charge of the workshop, has estimated the materials used to have a cost of 90 USD with a total cost of approximately 2,000 to 3,000 USD with the man-hours included.

Title: Functional prototype  
Cost of components

Subject: Detailing

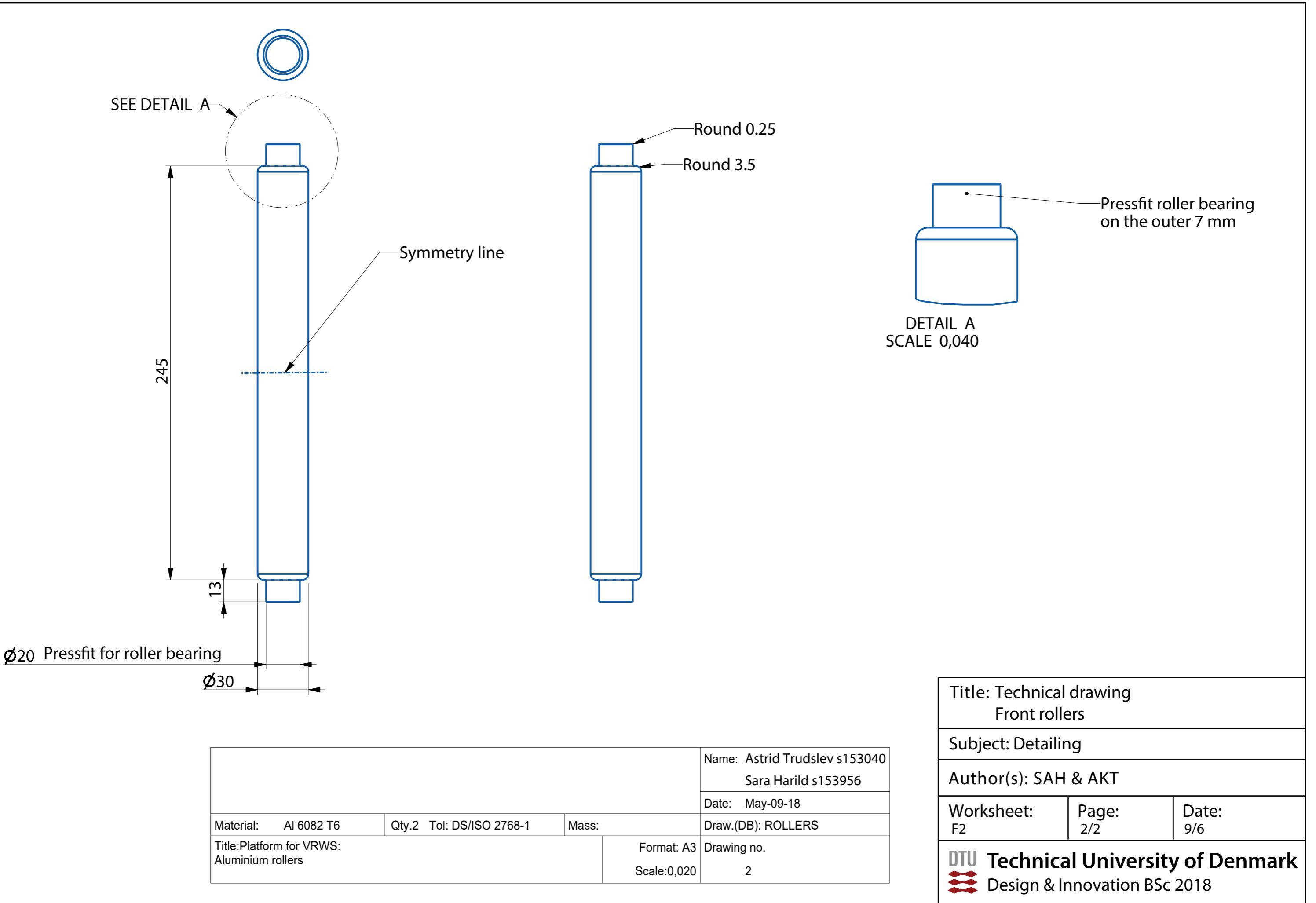
Author(s): SAH & AKT

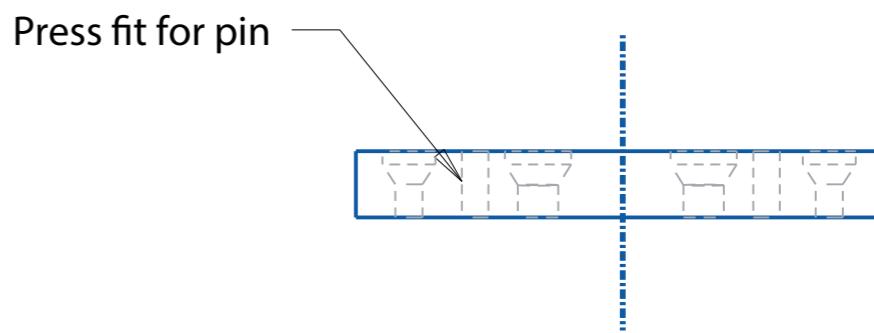
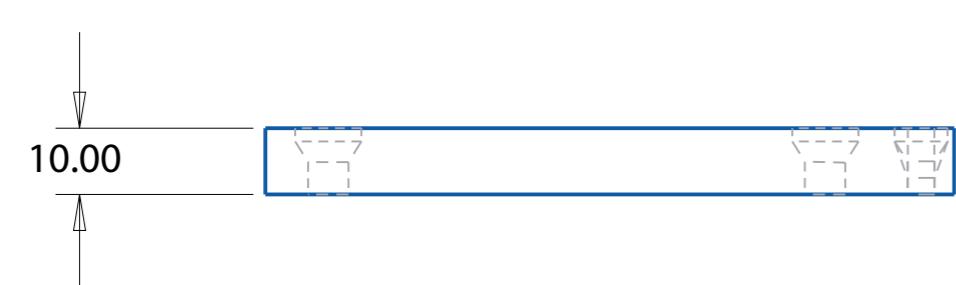
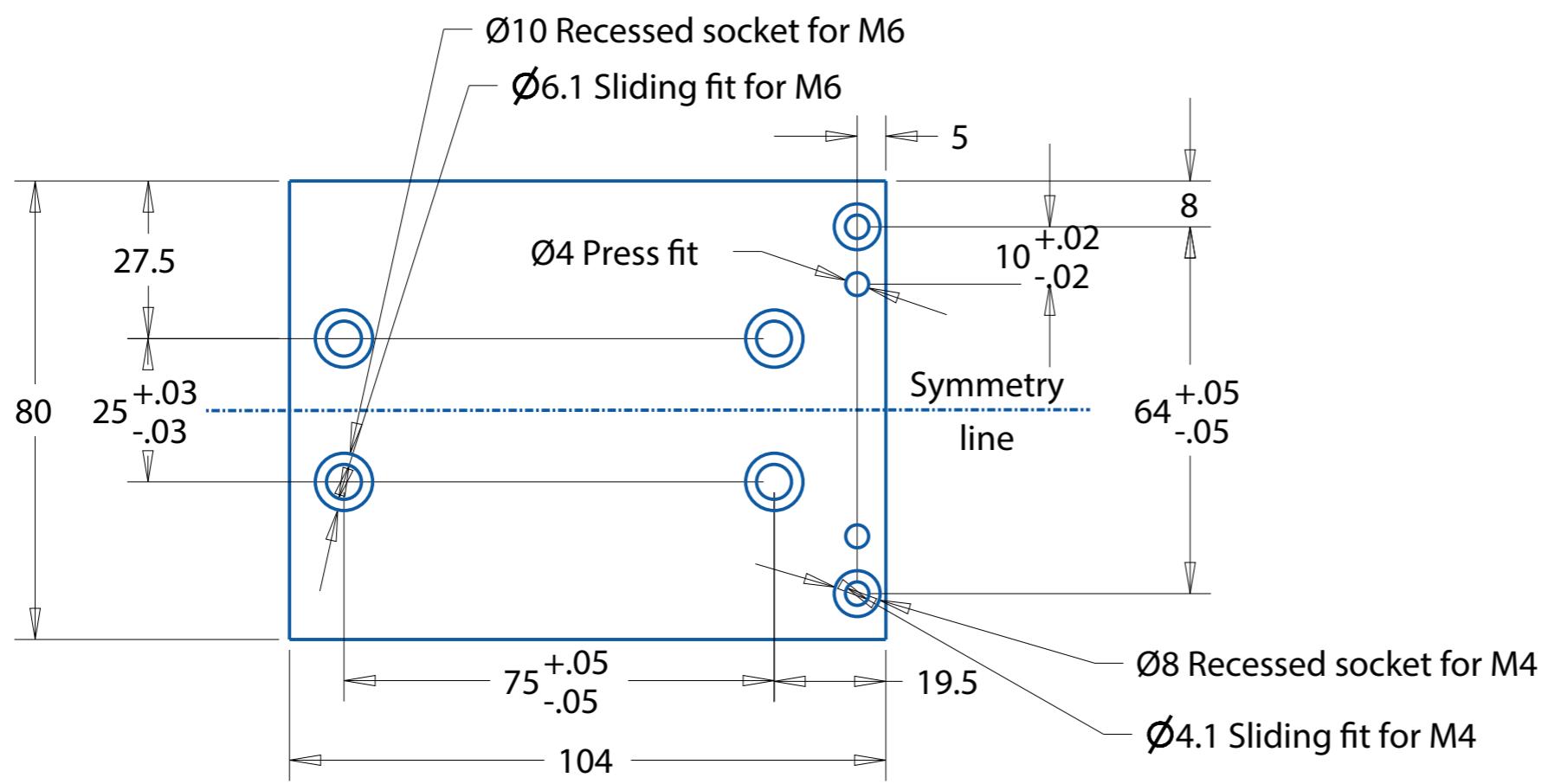
Worksheet: F1	Page: 1/1	Date: 10/5
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Material: Al 6082 T6	Qty.2 Tol: DS/ISO 2768-1	Mass:	Name: Astrid Trudslev s153040 Sara Harild s153956
			Date: May-09-18
Title: Platform for VRWS: Aluminium rollers			Draw.(DB): ROLLERS
		Format: A3 Scale:0,020	Drawing no. 1

Title: Technical drawing Rollers for encoder		
Subject: Detailing		
Author(s): SAH & AKT		
Worksheet: F2	Page: 1/2	Date: 9/5
<b>DTU</b> Technical University of Denmark Design & Innovation BSc 2018		





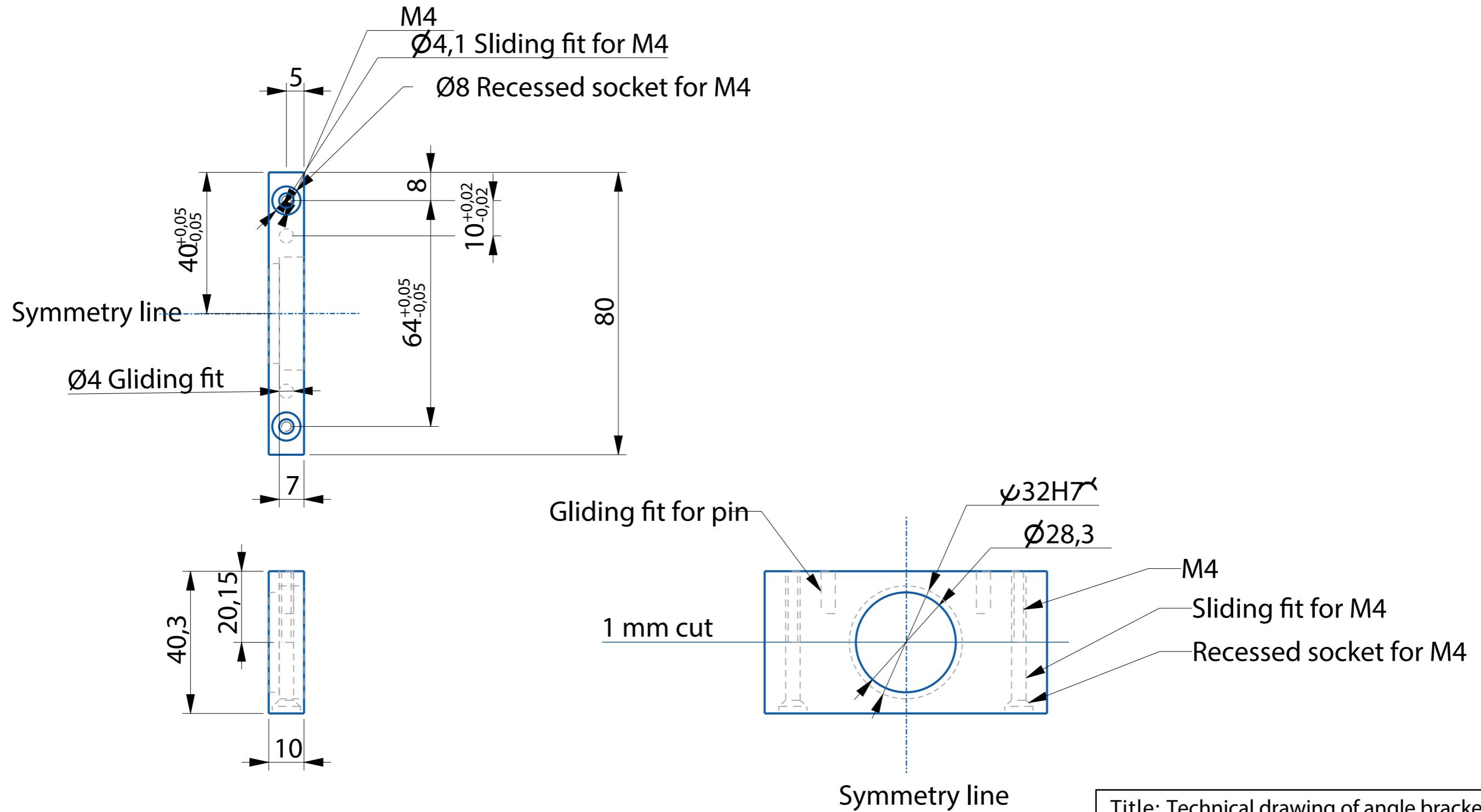
Technical University of Denmark Department of Mechanical Engineering DK 2800 Kgs. Lyngby						Name:	Sara Harild (s153956) Astrid Kofod (s153040)
						Date:	15-05-2018
Material:	Alu 6082 T6	Qty.	8	Tol:	DS/ISO 2768-1	Mass:	
Title:	Angle bracket for VRWS		Format:	A3	Drawing no.	Part 1 of angle bracket	
			Scale:				

Title: Technical drawing of angle bracket  
Upper part

Subject: Detailing

Author(s): SAH & AKT

Worksheet: F3      Page: 1/2      Date: 15/5



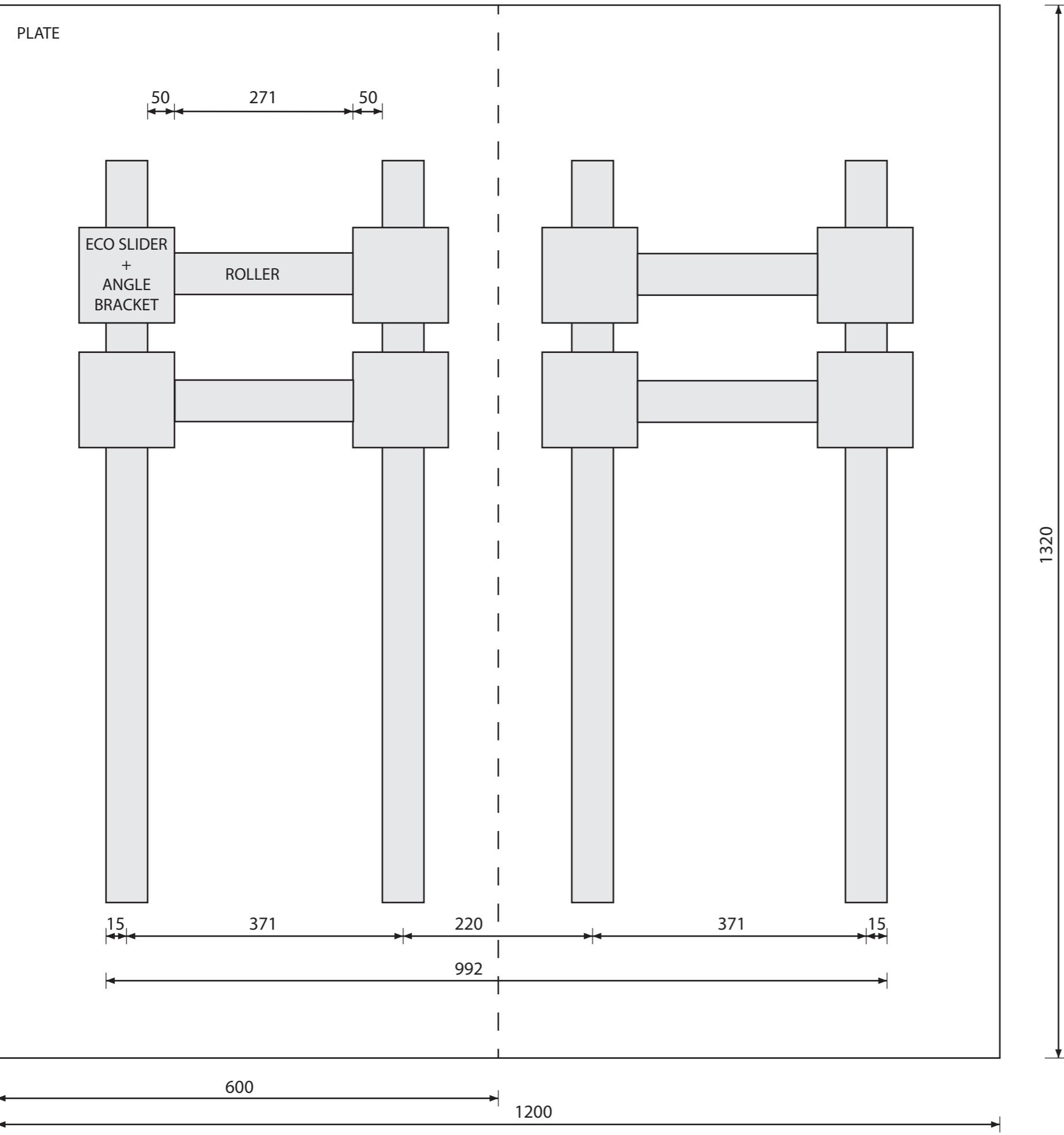
Technical University of Denmark Department of Mechanical Engineering DK 2800 Kgs. Lyngby					Name:	Sara Harild (s153956) Astrid Kofod (s153040)	
					Date:	15-05-2018	
Material:	Alu 6082 T6	Qty.	8	Tol:	DS/ISO 2768-1	Mass:	Draw. (DB): Part 2 of angle bracket
Title:	Angle bracket for VRWS			Format:	A3	Scale:	Drawing no. 2

Title: Technical drawing of angle bracket  
Lower part

Subject: Detailing

Author(s): SAH & AKT

Worksheet: F3      Page: 2/2      Date: 15/5

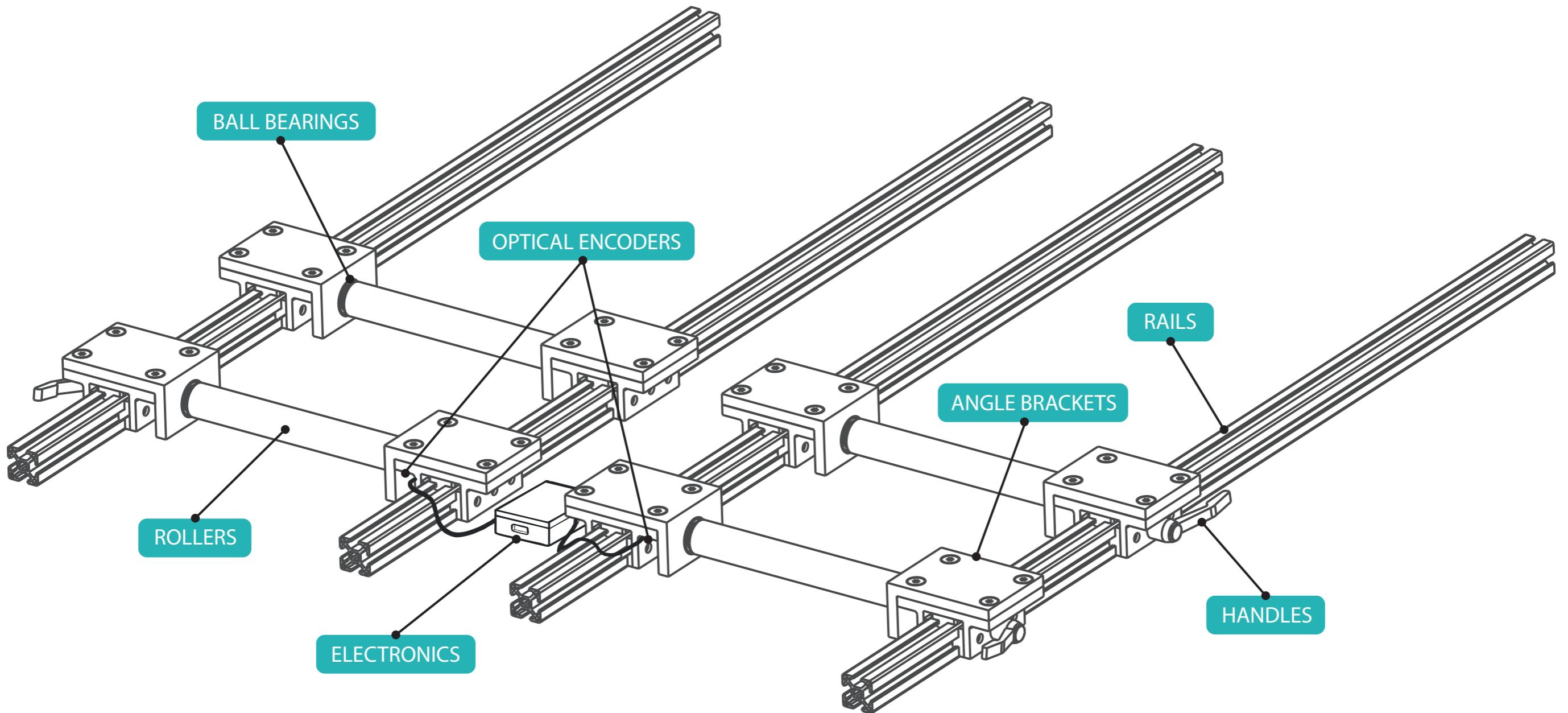


Title: Placement of rails  
Dimensions

Subject: Detailing

Author(s): SAH & AKT

Worksheet: F4      Page: 1/1      Date: 4/6



Title: Functional prototype Assembly of Whee'llConnect		
Subject: Conceptualization		
Author(s): SAH & AKT		
Worksheet: F5	Page: 1/1	Date: 14/5-21/5
<b>DTU</b> Technical University of Denmark		Design & Innovation BSc 2018