

# Parabolic Solar Cooker SK1.4

## Annex A View of Structure



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## Annex A List of Parts

List of Parts SK1.4 03/2018														Dr.-Ing. Dieter Seifert	
Pos.	Number of Pieces	Name	Ring Diameter	Date of drawing./ Standard	Material	Thickness or Diameter	Width	Length	Total Length of Parts	Total Length Round Material	Cross section	Weight per Piece	Total Weight		
			mm			mm	mm	mm	mm	m	mm <sup>2</sup>	kg	kg	kg	
1	20	Reflector Sheet		3/2018	high reflecting alu	0,5	108,3	860				0,126	2,514	Reflector	
1a	2	Reflector Sheet with axis passage left		3/2018	high reflecting alu	0,5	108,3	860				0,126	0,251		
1b	2	Reflector Sheet with axis passage right		3/2018	high reflecting alu	0,5	108,3	860				0,126	0,251	3,02	
2	2	Vertical Stand		3/2018	round steel	8		2356	4711		50,3	0,924	1,847	Structure	
2a	2	Stand Stiffener		3/2018	round steel	8		498	997		50,3	0,195	0,391		
3	2	Basis		3/2018	round steel	8		1999	3999		50,3	0,784	1,568		
3a	4	Basis Stiffener		3/2018	round steel	8		375	1500		50,3	0,147	0,588		
4	2	Axis		3/2018	round steel	8		1689	3378		50,3	0,662	1,324		
5	2	Main Ring half	1406	3/2018	round steel	8		2209	4417		50,3	0,866	1,732		
6	2	Second Ring half	1145	3/2018	round steel	8		1798	3595		50,3	0,705	1,410		
7	1	Third Ring full	765	3/2018	round steel	8		2402	2402		50,3	0,942	0,942		
8	6	Ring Connector		3/2018	round steel	8		872	5230	30,229	50,3	0,342	2,051	11,85	
9	2	Pot Support		3/2018	round (inox) steel; (alu)	4		466	932		12,6	0,046	0,091	Pot Holder	
9a	2	Axis Strengthener		3/2018	round (inox) steel; (alu)	4		80	160		12,6	0,008	0,016		
9b	1	Triangle		3/2018	round (inox) steel; (alu)	4		388	388		12,6	0,038	0,038		
9c	2	Hook		3/2018	round (inox) steel; (alu)	4		80	160	1,640	12,6	0,008	0,016		
10	8	Axis Fastener		3/2018	steel	4	20	60			80,0	0,037	0,300		
11	2	Bearing Plate		3/2018	steel	4	60	172			240,0	0,322	0,644		
11a	2	Fastener for Bearing Plate		3/2018	steel	4	20	60	120		80,0	0,037	0,075	1,18	
12	2	Pressure Plate		3/2018	steel	4	60	60	120		240,0	0,112	0,225	Friction Clutches	
13	2	Friction Ring (20x25)		3/2018	black plastic tube PP	25	2,5	25	50		176,7	0,004	0,009		
14	4	Friction Ring Holder		3/2018	steel	4	20	60	240		80,0	0,037	0,150	0,38	
15	2	Central Connection		3/2018	steel	0,75	60	60	120		45,0	0,021	0,042	Fastening Elements	
15a	3	Washer 40 x 8		3/2018	galvanized steel	40	1				1256,6	0,010	0,029		
15b	4	Washer 24 x 8		DIN 125	galvanized steel	24	2				452,4	0,007	0,028		
16	96	Wire		3/2018	alu with plastic cover	1,6		140			2,0	0,001	0,073		
17	42	Nut M6		DIN 934	galvanized steel							0,005	0,210		
18	20	Screw M6 x 25 (thread till head)		DIN 933	galvanized steel	M6						0,010	0,200		
19	13	Screw M6 x 40 (thread till head)		DIN 933	galvanized steel	M6						0,01	0,130		
20	9	Rope Clamp 8mm (see photo, Annex E)		DIN 741	galvanized steel							0,032	0,288		
21	2	Rope Clamp 10mm (see photo, Annex E)		DIN 741	galvanized steel							0,057	0,114	1,11	
22	1	Disc for Shadow Indicator (s. Annex E)		spring cover	white plastic (electr.)	70						0,008	0,008	0,01	
												<b>total kit:</b>	<b>17,55</b>	<b>17,55</b>	
													kg	kg	