



Item No.	Qty.	Part Name	Standard / Part No.	Material	Description / Supplier
32	4	T-nut M5	3842501752	steel	Rexroth
31	1	nut M10	ISO 4032	8	
30	28	nut M4	ISO 4032	8	
29	4	washer 5	ISO 7090	14.0HV	
28	37	washer 4	ISO 7091	14.0HV	
27	8	washer 4	ISO 7092	14.0HV	
26	2	washer 10	ISO 7092	14.0HV	
25	16	hexagon head bolt M4x16	ISO 4017	8.8	
24	2	hexagon head bolt M4x25	ISO 4017	8.8	
23	2	hexagon head bolt M4x30	ISO 4017	8.8	
22	4	hexagon head bolt M5x12	ISO 4017	8.8	
21	1	cylinder head bolt M4x30	ISO 4762	8.8	
20	1	cylinder head bolt M10x25	ISO 4762	8.8	
19	1	counter sunk bolt with hexagon socket M4x12	ISO 10642	8.8	
18	4	counter sunk bolt with hexagon socket M4x20	ISO 10642	8.8	
17	2	proximity sensor SIEN-M8NB-PS-K-L	150394		Festo
16	2	deep groove ball bearing 6007-2Z	DIN 625		FAG
15	1	gear motor DC-G150-12V	94-820227		Pollin.de
14	1	gear 2	VET4.0-03-13	PLA	3D Print
13	1	gear 1	VET4.0-03-12	PLA	3D Print
12	1	engine bracket 2	VET4.0-03-11	PLA	3D Print
11	1	engine bracket 1	VET4.0-03-10	PLA	3D Print
10	1	pusher bottom part	VET4.0-03-09	PLA	3D Print
9	1	sensor bracket washer	VET4.0-03-08	PLA	3D Print
8	1	sensor bracket	VET4.0-03-07	PLA	3D Print
7	4	magazin tube bottom	VET4.0-03-06	PLA	3D Print
6	1	spacer 45	VET4.0-03-05	PLA	3D Print
5	1	spacer 9-5	VET4.0-03-04	PLA	3D Print
4	4	rotating arm	VET4.0-03-03	PLA	3D Print
3	1	solid base bottom	VET4.0-03-02	PLA	3D Print
2	1	holding plate bottom	VET4.0-03-01	PLA	3D Print
1	1	pneumatic cylinder assembly	VET4.0-07		assembly

Scale	General Tolerance	Surface	Material	Raw Part
1:1				
Tolerance	Length Tolerance	Angle Tolerance	Document Type	
			Assembly Drawing	
Done by	Name, additional Name		Number	
Marcus Gompelmann	Rotating base bottom		VET4.0-03	
Approved by	Rev. Date		Size	Sheet
	Trolley chip assembly station		AA/22.10.2017	A1 / 1/1