

**Table I. Weight Analysis for Aerial Grasping Robot Hand**

<b>Part#</b>	<b>Name</b>	<b>Quantity</b>	<b>Total Weight (g)</b>
<b>Finger Components</b>			
1	Finger	3	90
2	Finger Base	3	9
3	Finger Part	3	3
<b>Robot Hand Base Components</b>			
4	Upper Plate	1	64
5	Shell	1	36
6	Lower Plate	1	38
<b>Other Components on Robot Hand Base</b>			
7	OpenCM Support	4	< 4
8	Dynamixel Motor Support	1	17
9	Base Support	4	7
10	Rotating Wheel	6	< 2
<b>Quick Release Mechanism</b>			
11	Rotating Wheel 1	1	< 2
12	Rotating Wheel 2	1	< 4
13	Bearing Cap	1	< 1
14	Dog Collar	1	< 1
15	Spur Gear	1	< 5
16	Square Shaft	1	< 1
17	Tendon Drum	1	< 3
<b>Other Components</b>			
18	Dynamixel XM430-350-T	2	164
19	OpenCM9.04-C	1	13
20	Bearing	3	9
21	Screws	42	<13
22	Nuts	4	< 2

23	Infrared Sensor	1	5
24	Mirco-switcher	1	< 3
25	Springs	3	9

**Total Weight**

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< 505