

Class	1mct2
First Name:	Arnaud
Name	De Brabant
Project Name :	Multi-Ball
Assembly Revision :	
Approval Date :	
Part Count :	12
Total Cost :	€124

Part #	Part Name	Description	Revision	Qty
1	MDF boards	shelves to make the storage box	1	1
2	chains	2 chains to prevent the upper part of the box from falling open	1	2
3	Foam Ball	ball made of foam, easy to incorporate the sensors	1	1
4	raspberry Pi	Rpi to control the system	1	1
5	ky-002 sw-18020p	shock sensor	1	1
6	accelerometer	sensor to measure the acceleration and temperature	1	1
7	ESP 32	Micro-device	1	1
8	RPI case with Fan	GeeekPi Acrylic Case for Raspberry Pi 4 Model B & Raspberry Pi 3 Model B +, Raspberry Pi Case with Fan for Raspberry Pi 3/2 Model B/B + (Clear)	1	1
9	power strip		1	1

10	black paint		1	1
11	primer		1	1
12	10 screws		1	1
13	shell handle		1	2
14	Servo motor	engine to make the lock	1	1
Total				12

Picture of Assembly

(picture can only be added with

Supplier	also available from
BRICO	
BRICO	GAMMA

EUROPOINT	Dreamland
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<https://www.raspberrypi.com/products/raspberry-pi-4-model-b/>

[.co.uk/AZDelivery-SW-18015P-Vibration-Compatible-Including/dp/B089W3R9D1?th=1](https://www.amazon.co.uk/AZDelivery-SW-18015P-Vibration-Compatible-Including/dp/B089W3R9D1?th=1)

<https://www.amazon.com/accelerometer/s?k=accelerometer>

BOL.com

[-bc3a-82b990db4506&pf_rd_p=cbdc23d4-cb78-4610-bc3a-82b990db4506&pf_rd_r=H5WP7YHV](https://www.amazon.com/-bc3a-82b990db4506&pf_rd_p=cbdc23d4-cb78-4610-bc3a-82b990db4506&pf_rd_r=H5WP7YHV)

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<https://www.hobbyelectronica.nl/product/sg90-digital-servo/>

END delivery of project!)

Units	Unit Cost	Max Cost	Real Cost
2x 30cm by 30cm	\$ 11,00	€ 11,00	FREE
2x 30cm by 13cm			
2x 30cm by 10cm			
1x 28,8cm by 28,8cm			
2	\$ 1,00	€ 2,00	
1	\$ 5,89	€ 5,89	
1	\$ 50,00	€ 50,00	
5	\$ 4,00	€ 4,00	
1	\$ 3,49	€ 3,49	
1	\$ 9,99	€ 9,99	
1	\$ 7,99	€ 7,99	
1	\$ 7,00	€ 7,00	

1	\$ 11,99	€ 11,99
1	\$ 10,49	€ 10,49
10	\$ 4,39	€ 4,39
1	\$ 8,90	€ 17,80
1	\$ 4,75	€ 4,75
		€ 123,84