

Bill of materials

TLDR; Total cost: € 553.42

Profiles

Profile	Length	Amount	Price	Total	URL
2020	480	4	€ 3.16	€ 12.64	url
2020	304	3	€ 2.00	€ 6.00	url
2020	400	2	€ 2.64	€ 5.28	url
2020	187	2	€ 1.23	€ 2.46	url
2020	138	2	€ 0.91	€ 1.82	url
2020	98	1	€ 0.65	€ 0.65	url
2020	58	4	€ 0.38	€ 1.52	url
2020	50	4	€ 0.33	€ 1.32	url

Profile brackets

Profile	Type	Amount	Price	Total	URL
2020	Cross corner	22	€ 1.20	€ 26.40	url
2020	Normal	14	€ 0.42	€ 5.88	url

Bearings

Name	Dimension	Amount	Price	Total	URL
AXK-6085 2AS	60x85x5	6	€ 1.45	€ 8.70	url
6810-2RS	50x65x7	6	€ 2.29	€ 13.74	url
624ZZ	4x13x5	30	€ 0.24	€ 7.05	url
608ZZ	8x22x7	6	€ 0.39	€ 2.34	url
LM12LUU	12x21x57	4	€ 4.38	€ 17.52	url

Linear motion

Name	Diameter	Length	Amount	Price	Total	URL
Linear rod	12	500	4	€ 10.50	€ 42.00	url
Lead screw	8	500	2	€ 18.00	€ 36.00	url

Name	Diameter	Length	Amount	Price	Total	URL
Lead screw nut			2	€ 6.00	€ 12.00	url

Timing belts

Type	Width	Length	Amount	Price	Total	URL
GT2	6	610	1	€ 4.00	€ 4.00	url
GT2	6	400	1	€ 3.50	€ 3.50	url
GT2	6	320	3	€ 3.00	€ 9.00	url

Stepper motors

Type	Shaft	Size	Amount	Price	Total	URL
NEMA17	5	40	4	€ 12.36	€ 49.44	url
NEMA17	5	20	1	€ 10.73	€ 10.73	url

General electronics

Name	Description	Amount	Price	Total	URL
DM332T	Stepper driver	5	€ 18.36	€ 91.80	url
Teensy 4.0	Microcontroller	1	€ 23.50	€ 23.50	url
Converter	Buck converter	1	€ 7.00	€ 7.00	url
Converter	Power supply	1	€ 23.93	€ 23.93	url
A3144	Hall sensor	4	€ 0.45	€ 1.80	url
AC switch	switch	1	€ 1.75	€ 1.75	url

Connectors

Name	Description	Amount	Price	Total	URL
GX12	GX12 – 3P	4	€ 2.00	€ 8.00	url
GX16	GX16 – 4P	3	€ 2.00	€ 6.00	url
C14	AC socket	1	€ 0.24	€ 0.24	url

Cables

Name	Description	Amount	Price	Total	URL
Aux cable	3C cable – 10m	1	€ 6.99	€ 6.99	url

Name	Description	Amount	Price	Total	URL
Stepper cable	4C cable -1m	10	€ 3.23	€ 32.30	url

Other

Name	Description	Amount	Price	Total	URL
Stepper bracket	Small	3	€ 3.00	€ 9.00	url
Stepper bracket	Large	2	€ 3.00	€ 6.00	url
Bone lite PCB	Permboard	3	n/a	€ 0.00	n/a

Bolts

Index	Type	Name	s0	s1	s2	s3	Total	Price /250	Price	Cost	URL
DIN912	M3	40		12	6	6	24	€ 12.08	€ 0.12	€ 2.90	url
DIN912	M3	25	4		10	12	26	€ 8.36	€ 0.08	€ 2.17	url
DIN7984	M3	16	10	6	6	6	28	€ 7.72	€ 0.08	€ 2.16	url
DIN7984	M3	12			3	3	6	€ 6.80	€ 0.07	€ 0.41	url
DIN7984	M3	8	20	4	4	4	32	€ 5.72	€ 0.06	€ 1.83	url
DIN7984	M3	6	4				4	€ 5.28	€ 0.05	€ 0.21	url
DIN7984	M4	30			4		4	€ 15.48	€ 0.15	€ 0.62	url
DIN7984	M4	20		2	2	5	9	€ 12.20	€ 0.12	€ 1.10	url
DIN7984	M4	10	24			4	28	€ 8.08	€ 0.08	€ 2.26	url
DIN912	M5	60	8	4			12	€ 35.48	€ 0.35	€ 4.26	url
DIN7984	M5	25	8				8	€ 15.15	€ 0.15	€ 1.21	url
DIN7984	M5	20	13				13	€ 17.00	€ 0.17	€ 2.21	url
DIN7984	M5	16	4	2			6	€ 14.76	€ 0.15	€ 0.89	url
DIN7984	M5	10	35				35	€ 11.76	€ 0.12	€ 4.12	url
DIN7984	M5	8	52				52	€ 12.84	€ 0.13	€ 6.68	url

Nuts

Index	Type	Name	s0	s1	s2	s3	Total	Price /250	Price	Cost	URL
DIN439	M3	Hex	20		13	15	48	€ 10.70	€ 0.04	€ 2.05	url
DIN562	M3	Square	4	12	12	12	40	€ 19.18	€ 0.08	€ 3.07	url
DIN439	M4	Hex			4	4	8	€ 6.70	€ 0.03	€ 0.21	url

Index	Type	Name	s0	s1	s2	s3	Total	Price /250	Price	Cost	URL
DIN985	M4	Locknut		2	2	5	9	€ 12.20	€ 0.05	€ 0.44	url
DIN439	M5	Hex	8	6			14	€ 8.20	€ 0.03	€ 0.46	url
DIN562	M5	Square	8				8	€ 23.35	€ 0.09	€ 0.75	url
	M4	Tee	12				12	€ 13.05	€ 0.05	€ 0.63	url
	M5	Tee	104				104	€ 12.68	€ 0.05	€ 5.27	url

Rings

Index	Type	Name	s0	s1	s2	s3	Total	Price /250	Price	Cost	URL
DIN125A	M3	Ring			26	24	50	€ 2.80	€ 0.01	€ 0.56	url
DIN125A	M4	Ring		4	12	18	34	€ 3.40	€ 0.01	€ 0.46	url
DIN125A	M5	Ring		10			10	€ 3.90	€ 0.02	€ 0.16	url