

Aluminum Mendel Parts List

part #	Description	qty	price	ext	supplier
GPA24GT2060-B-H5	High Torque pulley- 24 t	2	\$13.60	\$27.20	misumiusa.com
GBN9942GT-60	Belt, 994 mm	2	\$6.60	\$13.20	misumiusa.com
HFS6-3030-360	360 mm extrusion	3	\$3.60	\$10.80	misumiusa.com
HFS6-3030-380	380 mm extrusion	2	\$3.80	\$7.60	misumiusa.com
HFS6-3030-420	420 mm extrusion	2	\$4.20	\$8.40	misumiusa.com
PACK-HNTT6-5	100 pack insertion nuts, 5 mm	1	\$28.00	\$28.00	misumiusa.com
HTJ6	blind joint screw	8	\$0.78	\$6.24	misumiusa.com
1139544	M5x10 socket head capscrew	50	\$0.19	\$9.50	Fastenal
	5 mm washer	50	\$0.05	\$2.50	Fastenal
	8-32 x 1/4 set screw	20	\$0.07	\$1.40	Fastenal
	8-32 x 3/8 socket head capscrew	50	\$0.15	\$7.50	Fastenal
	8-32 x 3/8 socket head capscrew	50	\$0.15	\$7.50	Fastenal
	6-32 x 1/2 socket head capscrew	25	\$0.15	\$3.75	Fastenal
	6-32 nuts	25	\$0.10	\$2.50	Fastenal
	8-32x1/2 flat head mach screw	100	\$0.04	\$4.00	ACE
	8-32 nuts	100	\$0.04	\$4.00	ACE
	8x5/8 flat head sheet metal screw	100	\$0.04	\$4.00	ACE
6655K54	8 x 16 mm thrust bearings	4	\$2.79	\$11.16	McMaster-Carr
35765K229	9 x 9 heat pad, 200 W	1	\$54.00	\$54.00	McMaster-Carr
	1/8 aluminum 9 1/4 x 10	2	\$10.00	\$20.00	Onlinemetals.com
18194 RL	3 A AC solid state relay	1	\$5.95	\$5.95	mpja.com
16006 PS	60 W 12 power supply	1	\$28.59	\$28.59	mpja.com
	5mm x 8 mm flex couplings	2	\$5.00	\$10.00	ultimachine.com
Kit262	pack of 4 LME8UU ball bushing	2	\$17.77	\$35.54	vxb.com
				\$313.33	
Parts from existing Mendel or purchased seperately				\$0.00	
Stepper Plastruder	extruder kit	1	\$170.00	\$170.00	makergear.com
RAMPS pre-assembly	kit for controller	1	\$200.00	\$200.00	ultimachine.com
Kysan 1124090	NEMA 17 Stepper motor	3	\$19.00	\$57.00	ultimachine.com
Thermistor 100K	Thermistor for heated bed	1	\$2.75	\$2.75	ultimachine.com
8mm x 420 mm	smooth rod - y axis	2		\$0.00	
8mm x 350 mm	smooth rod - x axis	2		\$0.00	
M8 x 340 mm	threaded rod - z axis	2		\$0.00	
Total				\$429.75	
Grand Total				\$743.08	