

Ready RepRap - Parts To Order

Part No.	Part Name	Description (enter as web search term when online shopping)	Category	Quantity
1	Silicone caulk	high temperature clear silicone caulk	Adhesives	1
2	Super glue	standard fast drying cyanoacrylate super glue	Adhesives	1
3	2-part epoxy glue	tubes of J-B Weld type heavy duty hard-setting 2 part epoxy	Adhesives	1
4	hot melt glue	sticks of hot melt glue for use with a glue gun to glue misc. parts	Adhesives	1
5	heat shrink tube	1/8 to 1/4 inch heat shrink electrical tubing, approx. 12 inches needed	Electronics	1
6	electrical tape	roll of vinyl electrical tape	Electronics	1
7	USB printer wire	8 foot long USB printer-connection type USB cable	Electronics	1
8	heavy speaker wire	20 feet of copper wire pair for power, 12-18 gage copper pair.	Electronics	1
9	Stepper Motor	Nema 17 Stepper Motor Bipolar 2A 84oz.in 48mm length, 4-lead	Electronics	3
10	microcontroller	Arduino Mega 2560 board	Electronics	1
11	driver carrier board	RAMPS shield for Arduino	Electronics	1
12	stepper driver module	A4988 Stepper Driver Module	Electronics	4
13	endstop switch	mechanical endstop lever microswitch	Electronics	3
14	thin hook-up wire	20 foot spool of 26 gage hook up wire, Yellow	Electronics	1
15	DC Power supply	12 Volt DC 12+ Amp power supply. Search for S-360-12 or similar.	Electronics	1
16	crimp connectors	Dupont Jumper Wire Cable Female Pin Crimp Connector 2.54mm	Electronics	50
17	crimp sockets, 4 wire	2.54mm 1x4P Dupont Connector Housing, Female	Electronics	5
18	crimp sockets, 2 wire	2.54mm 1x2P Dupont Connector Housing, Female	Electronics	5
19	Hose clamps	3/4 inch - 1 inch metal hose clamps, 3/8 inch wide bands.	Hardware	12
20	Metal plumbing strap	roll of 3/4 inch wide metal plumbing strap	Hardware	1
21	rubber feet	misc self-adhesive rubber feet for bottom of machine	Hardware	6
22	tempered glass build plate	3D Printer Reprap MK2 Heated Bed Borosilicate Glass Plate 213*200*3mm tempered	Hardware	1
23	steel balls	1/2 inch steel ball bearings	Hardware	12
24	electrical box	Raco 11.5-cu in 1-Gang Metal New Work Wall Electrical Box.	Hardware	6
25	electrical conduit	1/2" EMT, 10 ft section	Hardware	2
26	conduit fitting	1/2" EMT connector, compression type	Hardware	12
27	tension spring	1/2" O.D. x 1-1/2" Long x .05" Wire Diameter extension spring or similar	Hardware	3
28	Aluminum extruder feeder	RepRap Aluminum Extruder Feeder kit for 1.75mm Filament	Hardware, specialty	1
29	Hotend	Metal J-head V6 Hotend For 1.75mm 0.4mm Direct Feed Reprap 3d Printer	Hardware, specialty	1
30	push-in fitting	nylon tube male connector push-in fitting for tube O.D. 4mm	Hardware, specialty	2
31	PCB heated bed	RepRap 3D printer PCB heated bed, for 12V power, ideally with wiring and the	Hardware, specialty	1
32	metal binder clips	metal paper binder clips for holding glass to top of heated print bed	Misc	8
33	Fiberglass material	roll of 1/2 inch thick fiberglass pipe wrap	Misc	1
34	hook & loop tape	roll of self adhesive hook & loop fastener tape	Misc	1
35	machine grease	tube of silicone grease for linear motion guides, chains, and pulleys	Misc	1
36	wooden base/top	18" diameter pine wooden circle, 1-1/4" thick	Misc	2
37	magnet	1/2" diameter x 1/4" thick rare earth magnet, countersink hole	Misc	12
38	tube for extruder	FEP plastic tube, O.D. 4mm, length 95cm	Misc	1
39	ball chain	beaded chain by Westinghouse Item 77043 sold in 12' lengths for fans	Misc	3
40	sandpaper	sheets of 200 grit sand paper for sanding metal tubing	Misc	4
41	Zip ties	6" zip ties	Misc	20
42	Deck Screws	1 1/2 inch deck screws	Nuts & Bolts	24
43	print bed Stand off screws	1 1/4 inch x #6 machine screws	Nuts & Bolts	3
44	print bed Stand off nuts	#6 nuts	Nuts & Bolts	12
45	print bed Leveling Screws	1 1/2 x 1/4-20 machine screws	Nuts & Bolts	3
46	controller mounting screws	1 1/4 inch x #6 machine screws	Nuts & Bolts	2
47	Endstop switch mounting screws	1/2 inch x #8 machine screw	Nuts & Bolts	3
48	print bed stand off washers	#6 metal washers	Nuts & Bolts	6
49	screw - build plate leveling screw	1/4-20 x 1 1/2" long screw	Nuts & bolts	3
50	threaded rod	12 inch section of 1/4-20 allthread, steel zinc plated	Nuts & bolts	6
51	nuts - connector rod	1/4-20 zinc nuts	Nuts & bolts	12
52	screw - XYZ motor mount	M3x8mm screws	Nuts & Bolts	16
53	nail - idler pulley	3/4" roofing nail, zinc coated, 1/8" diameter	Nuts & bolts	3