

Bill of Materials for the Isis One Dual Extruder Printhead by Isis3D. Design is released under the Creative Commons Attribution-ShareAlike 4.0 International License.

Item	Qty.	Material	For
MACHINED PARTS			
Barrel	2	M6 Screw, Stainless 303	
Captive nut	2	Stainless 303	
Captive nut shelf	2	Stainless 303	
Feed wheels	4	Brass	
Gear - big	2	CrMo Steel	
Gear - motor	2	CrMo Steel	
Gear Twin Thick	2	CrMo Steel	
Gear Twin Thin	2	CrMo Steel	
Heater block	2	Aluminum (any alloy)	
Mounting bracket	2	Aluminum (any alloy)	
Nozzle	2	7 mm hex, Brass	
Nozzle bracket	2	Aluminum (any alloy)	
Plate 1/2	2	Aluminum (any alloy)	
Plate 3/4	2	Aluminum (any alloy)	
Spacer, 9.5 mm	2	Brass, 5/32" OD	
Spacer, 6 mm	6	Brass, 5/32" OD	
Shafts, 16.5 + 20 mm	4	Stainless 303	
X Carriage	1	1/8" Aluminum (any alloy)	
OFF-SHELF			
Heater cartridge	2	n/a	
Thermistor	2	n/a	
Bearings (mr85zz)	8	n/a	
DBL switch	1	n/a	
Barrel lining	2x 40 mm	PTFE, OD 5/32"; ID 3/32"	
HARDWARE			
M3x3 set screws	2	Alloy steel	heater cartridge
M3x5	6	Black-oxide class 10.9 alloy steel	captive nut shelf
M3x5 FH	8	Black-oxide class 12.9 alloy steel	mounting bracket to x carriage
M3x12	4	Black-oxide class 10.9 alloy steel	standoffs
M3x18	2	Black-oxide class 12.9 alloy steel	nozzle bracket
M3x28	6	Black-oxide class 12.9 alloy steel	plates
M3 nyloc nut	2	18-8 Stainless steel	nozzle bracket
M6 thin nuts SS	4	18-8 Stainless steel	barrel
MOLEX			
Mini 6c Rec Hsg White	1		
Mini 6c Plug Hsg White	1		
Mini F Pin, 18 awg	6		
Mini M Pin, 18 awg	6		
Micro 24c Rec Hsg Black	1		
Micro 24c Plug Hsg Black	1		
Micro F Pin, 24 awg	24		
Micro M Pin, 24 awg	24		