

3D PRINTS

3D printer	Ender-3 v1						
Filament type	1.75 mm PLA						
Nozzle diameter [mm]	0.4						
Print speed [mm/s]	50						
Infill [%]	20						
Infill pattern	Grid						
Filename	Supports	Wall thickness [mm]	Print time [hrs]	Filament mass [g]	Quantity	Total print time [hrs]	Total filament mass [g]
BASE-BRACKET	Touching build plate	1.6	11.9	86	1	11.9	86
BASE-STEPPER-BRACKET	Touching build plate	0.8	4.0	27	1	4.0	27
M3-WASHER-1mm	No	0.8	0.02	0.1	4	0.1	0.4
BASE-BEARING-CLAMP	No	0.8	0.9	5	1	0.9	5
BASE-FOOT-A	Everywhere	1.6	3.2	21	2	6.3	42
BASE-FOOT-B	Everywhere	1.6	3.6	23	1	3.6	23
BASE-COVER-BRACKET	No	0.8	0.9	6	2	1.8	12
ART1-STEPPER-A-BRACKET	Everywhere	1.6	13.0	96	1	13.0	96
ART1-GEAR-A	Everywhere	1.6	10.0	72	1	10.0	72
ART1-STEPPER-B-BRACKET	Everywhere	1.6	15.3	117	1	15.3	117
ART1-GEAR-B	Everywhere	1.6	9.2	56	1	9.2	56
ART1-BEARING-CLAMP-A	No	0.8	0.5	3	2	1.0	6
ART1-BEARING-CLAMP-B	No	0.8	1.4	9	1	1.4	9
ART1-IDLER-SPACER	No	0.8	0.2	1	2	0.3	2
HTD-3M-IDLER	Touching build plate	0.8	0.3	2	2	0.6	4
ART2-ARM	Touching build plate	1.6	8.1	57	1	8.1	57
ART2-BEARING-CLAMP-A	Touching build plate	0.8	1.1	6	1	1.1	6
ART2-GEAR	Everywhere	0.8	5.4	35	1	5.4	35
ART2-BEARING-CLAMP-B	No	0.8	0.6	4	1	0.6	4
HTD-3M-PULLEY-16T	Everywhere	0.8	0.8	4	1	0.8	4
HTD-3M-PULLEY-16T-SHAFT	No	1.6	1.5	11	1	1.5	11
ART2-IDLER-SPACER	No	0.8	0.1	1	2	0.1	2
HTD-3M-IDLER	Touching build plate	0.8	0.3	2	2	0.6	4
ART2-ARM-COVER	No	0.8	5.8	38	1	5.8	38
ART3-STEPPER-BRACKET	Everywhere	1.6	7.4	49	1	7.4	49
ART3-GEAR-CLAMP	No	0.8	0.4	2	1	0.4	2
ART3-GEAR	Everywhere	1.6	3.9	22	1	3.9	22
ART3-BEARING-CLAMP	Touching build plate	0.8	1.1	7	1	1.1	7

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ART4-STEPPER-BRACKET	Everywhere	1.6	5.7	37	1	5.7	37
ART4-ARM-A	Touching build plate	1.6	5.4	38	1	5.4	38
ART4-BEARING-CLAMP-A	No	0.8	0.2	1	1	0.2	1
ART4-ARM-B	Everywhere	1.6	5.8	40	1	5.8	40
ART4-BEARING-CLAMP-B	No	0.8	0.7	5	1	0.7	5
ART4-IDLER-SPACER	No	0.8	0.1	1	2	0.1	2
M3-WASHER-1mm	No	0.8	0.02	0.1	2	0.0	0.2
ART5-STEPPER-BRACKET-A	Everywhere	1.6	6.2	39	1	6.2	39
ART5-STEPPER-BRACKET-B	Everywhere	1.6	6.4	39	1	6.4	39
ART5-BEARING-CLAMP-A	No	0.8	0.6	4	1	0.6	4
ART5-BEARING-CLAMP-B	No	0.8	0.5	3	1	0.5	3
ART5-BEARING-CLAMP-C	No	0.8	0.4	2	1	0.4	2
ART5-OUTPUT-SHAFT-A	No	1.6	0.7	4	1	0.7	4
ART5-OUTPUT-SHAFT-B	Touching build plate	0.8	0.5	3	1	0.5	3
GRIPPER-SERVO-BRACKET	Everywhere	0.8	3.2	19	1	3.2	19
GRIPPER-GEAR-ARM-A	No	0.8	0.9	5	1	0.9	5
GRIPPER-M6-WASHER	No	0.8	0.03	0.2	12	0.4	2.4
GRIPPER-LINK-ARM	No	0.8	0.4	2	2	0.7	4
GRIPPER-FINGER-A	Everywhere	0.8	1.4	9	1	1.4	9
GRIPPER-BEARING-SPACER	No	0.8	0.1	0.3	1	0.1	0.3
GRIPPER-GEAR-ARM-B	No	0.8	0.8	5	1	0.8	5
GRIPPER-FINGER-B	Everywhere	0.8	1.4	9	1	1.4	9
M3-WASHER-1mm	No	0.8	0.02	0.1	3	0.1	0.3
ELECT-BASE-BRACKET	No	0.8	7.27	55	1	7.3	55
ELECT-ATTACH-BRACKET	Touching build plate	0.8	3.32	23	1	3.3	23
					TOTAL	157	1062