



Bolt

DATASHEET

V01-03



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1. Technical specifications

Printer Model	Bolt	Approval Signature	
Document Version	V01-03	Date signed	

Specification	Metric						Imperial							
Physical dimensions (DWH)	723	x	831	x	801	mm	28.5	x	32.7	x	31.5	inch		
Printer weight	61						kg	134						lbs
Input voltage range	88-264VAC													
Input frequency	47 - 63 Hz													
Power consumption	600W													
Build size single extruder (DWH)	320	x	330	x	205	mm	12.6	x	13.0	x	8.1	inch		
Build size dual extruder (DWH)	320	x	300	x	205	mm	12.6	x	11.8	x	8.1	inch		
Build size replicator/mirror mode (DWH)	320	x	164	x	205	mm	12.6	x	6.5	x	8.1	inch		
Build volume	21.6						L	4.8						gall.
Heated bed max temp	90						°C	194						°F
Closed chamber	Yes													
Hot end Max temp*	360						°C	680						°F
Number of extruders	2													
Extruder size(s)	0.35					mm	1.38E-02					inch		
Filament size	1.75						mm	6.89E-02						inch
Layer thickness	0.05	to	0.35			mm	1.97E-03	to	1.38E-02			inch		
Advised printing speed (DW)	6000	<u>mm</u> min	100	<u>mm</u> s		-	236	<u>inch</u> min	4	<u>inch</u> s		-		
Max. travel speed (DW)	15000	<u>mm</u> min	250	<u>mm</u> s		-	591	<u>inch</u> min	10	<u>inch</u> s		-		
Stepper motors	1.8° Step angle with 1/32 micro stepping													
Positioning accuracy (DW)	0.008						mm	3.15E-04						inch
Positioning accuracy (H)	0.010						mm	3.94E-04						inch
Body/frame construction	Aluminium Framework													
Heated bed construction	High grade glass													
Semi-automatic printbed Z-levelling	Yes													
Ethernet connection	Yes													
Wifi	Yes													
Internal OS	Linux													
USB standalone format	.Gcode format													
Printing modes	Single, Dual Material, Replicator mode, Mirror mode													
Open system print materials (* experimental)	PLA, ABS, HIPS, Flex, Nylon, Hybrid, Woodfill, PVA*, Carbon*, other*													

DWH: Depth, Width, Height. Coordinate system reference Y, X, Z

A Low-temp (max 250 degrees) and High-temp hotend (max 360 degrees) is supplied



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