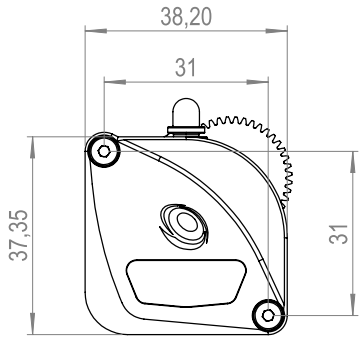
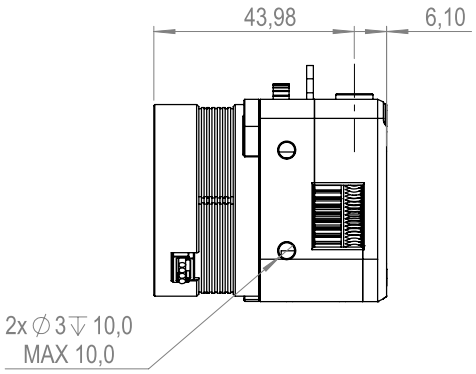
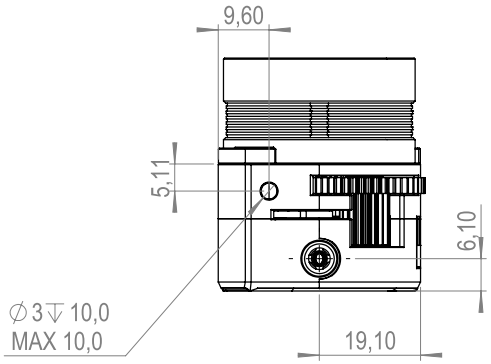
#extruder EXT01LGX41005

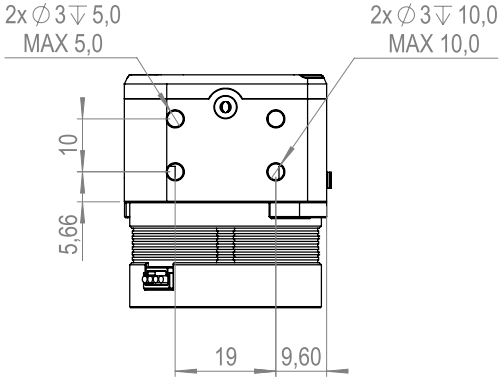
SKU

BONDTECH
enabling creators









NAME LGX Lite V2 Mirrored

TYPE Extruder

SKU EXT01LGX41005

Specifications		*Comments*
E-Steps	562 @ 1/16 microstepping 1124 @ 1/32 microstepping	
Drive Wheels	Hardened Steel	Nitrocarburized SS1914, Surface coating
Top Fitting Tube OD	4.10 mm	
Materials Compatibility	Abrasive, rigid, semi- flexible, flexible and soft	
Mounting	bottom (4 points); right (2 points), left (1 point), front to motor (2 points), top (1 point)	See drawing above for more details about mounting points location and thread dept
Max Tightening Torque	0.3Nm	
Housing	PA 12 GF	SLS printed housings with glass filled Nylon (PA12 GF)
Working Temperature	Up to 100°C	Motor selfheating ~80°C @ 1000mA + Chamber temp must not exceed 180°C
Net Weight	Extruder 56g + Motor 90g = Total 146g	
Motor Insulation Class	Class-H	Up to 180°C
Push Force	3.5kg @700mA	

Specifications		*Comments*
Tension	Adjustable with 2 fixed positions	0 Open, Abrasive, 1 Rigid Materials 2 Semi- flexible, Flexible/Soft
Recommended Current	450-700mA	
MAX Peak Current	1.0A (Not Recommended)	Never use more than 90% of MAX Peak Current.
Stepper Motor	Nema14 Round Stepper 20mm Ø36mm	
Motor Connector	JST-XH 4-pin connector	
Filament Diameter	1.75 mm	
Lubrications	Berutox FB22	Visual inspection every 100 print hours. Clean and apply new lubrication on the gears
CE Certified	Yes	
RoHS	Yes	
REACH	Yes	

EXTRUDER SPECIFICATIONS #01/02

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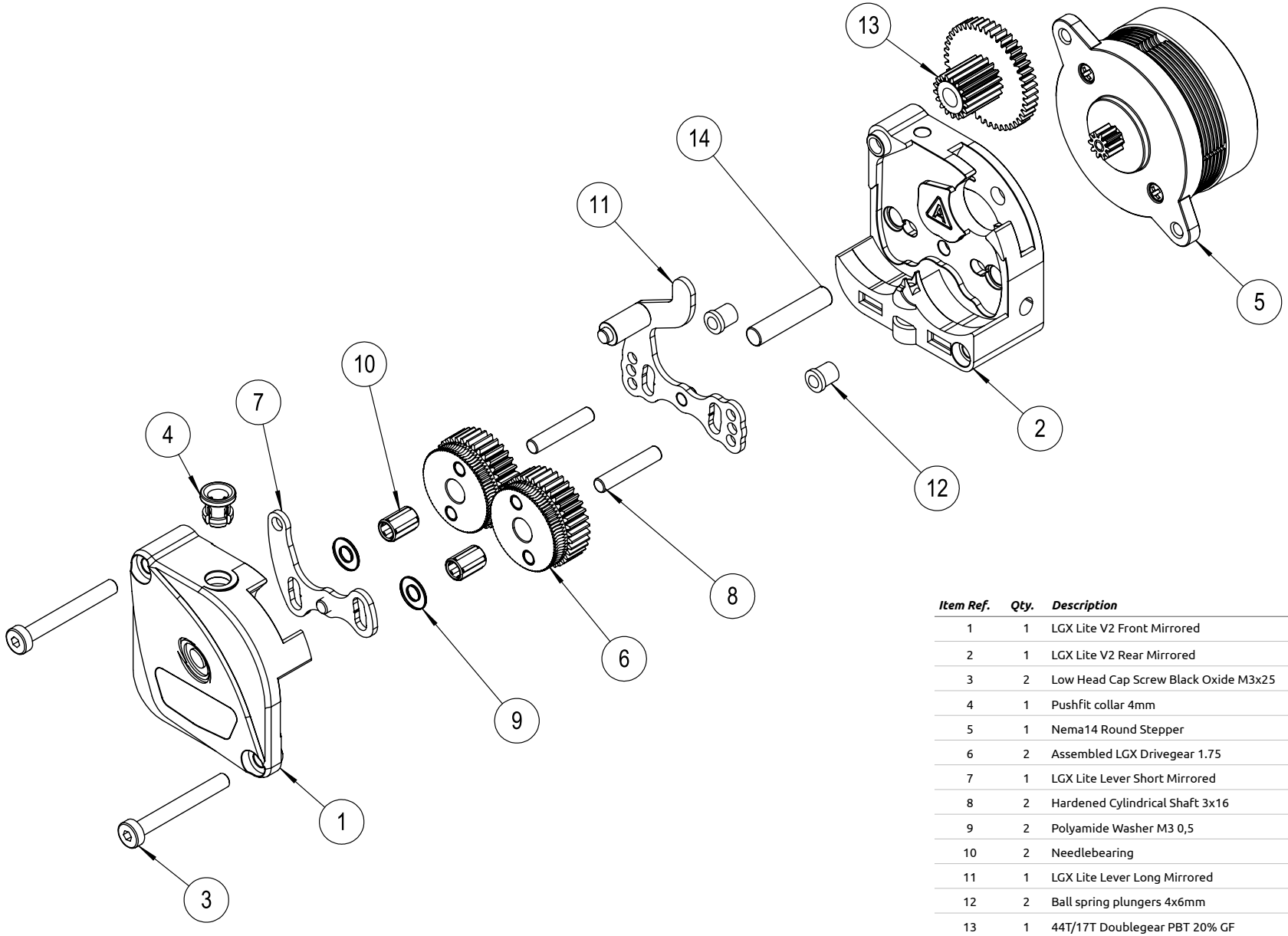

Item Ref.	*Qty.*	*Description*	*Article Number*
1	1	LGX Lite V2 Front Mirrored	10097-06
2	1	LGX Lite V2 Rear Mirrored	M3X25L
3	2	Low Head Cap Screw Black Oxide M3x25	12016
4	1	Pushfit collar 4mm	13013
5	1	Nema14 Round Stepper	15134
6	2	Assembled LGX Drivegear 1.75	15097-MIR
7	1	LGX Lite Lever Short Mirrored	STIFT3X16M6
8	2	Hardened Cylindrical Shaft 3x16	BRICKAM3PLAST
9	2	Polyamide Washer M3 0,5	K3X5X7
10	2	Needlebearing	15096-MIR
11	1	LGX Lite Lever Long Mirrored	GN614KU4
12	2	Ball spring plungers 4x6mm	15070
13	1	44T/17T Doublegear PBT 20% GF	STIFT4X20M6
14	1	Hardened Cylindrical Shaft 4x20	12016

EXTRUDER EXPLODED VIEW #02/02