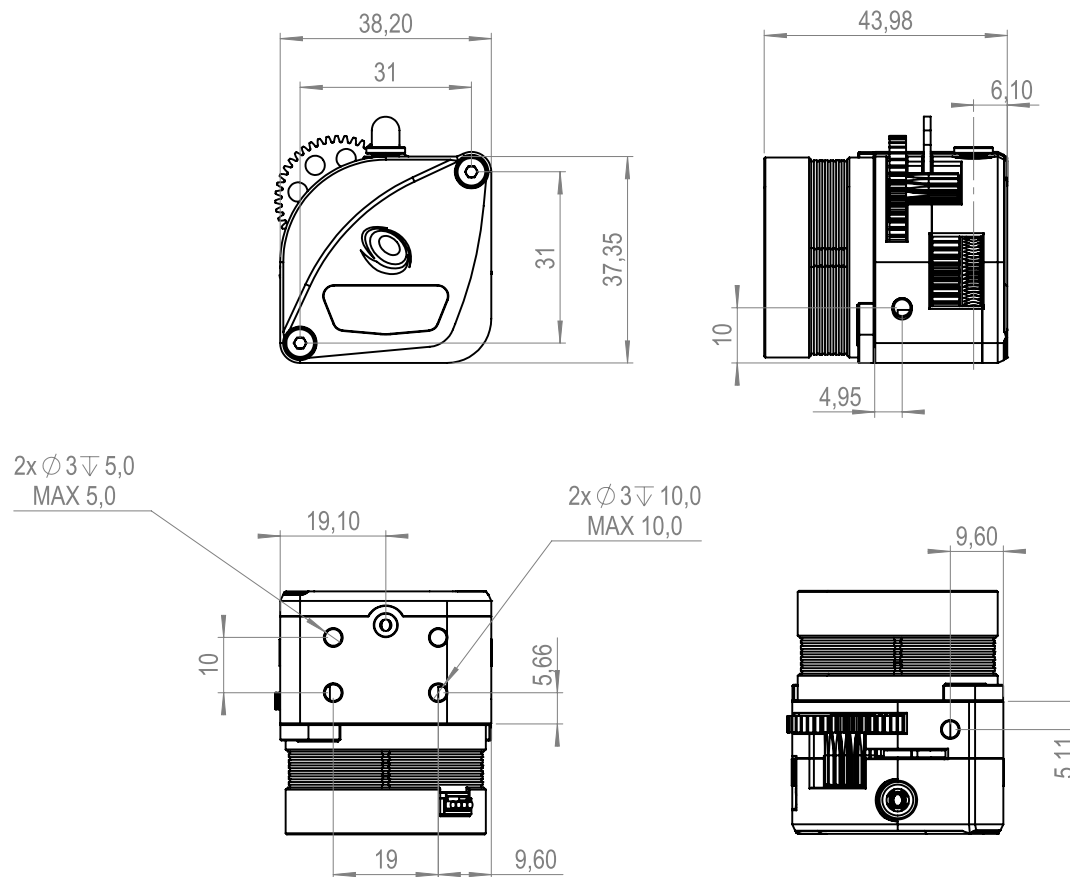


#extruder

EXT01LGX41009

SKU

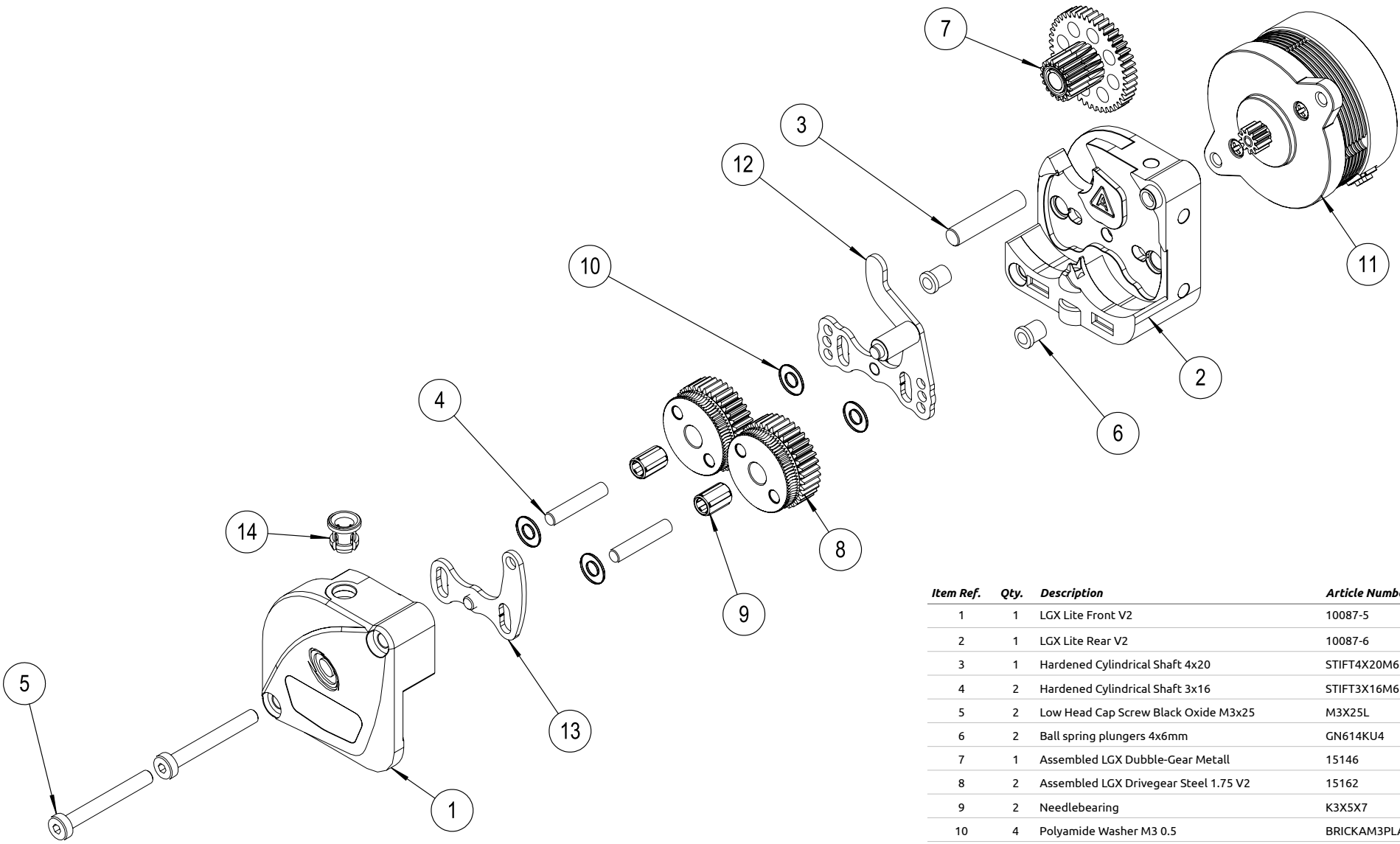


NAME	LGX Lite V2 w/ Steel Drive Train
TYPE	Extruder
SKU	EXT01LGX41009

Specifications		Comments	Specifications		Comments
ESTEP	562 @ 1/16 microstepping 1124 @ 1/32 microstepping		Push Force		
Drive Wheels	Hardened Steel	Nitrocarburized SS1914, Surface coating	Tension	Adjustable with 2 fixed positions	Abrasive, 1 Rigid Materials. 2 Semi-flexible, Flexible/Soft
Top Fitting Tube OD	4.10 mm		MAX Peak Current 1.0A	Recommended current 450-700mA	3.5kg @700mA
Materials Compatibility	Abrasive, rigid, semi- flexible, flexible and soft		Stepper Motor	Nema14 Round Stepper 20mm Ø36mm	
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	Motor Connector	JST-XH 4-pin connector	
Max Tightening Torque	0.3Nm		Filament Diameter	1.75 mm	
Housing	PA 12 GF	SLS printed housings with glass filled Nylon (PA12 GF)	Lubrications	Berutox FB22	Visual inspection every 100 print hours. Clean and apply new lubrication on the gears
Working Temperature	Up to 100°C	Motor selfheating ~80°C @ 1000mA + Chamber temp must not exceed 180°C	CE Certified	Yes	
Weight	150 g	Net weight	RoHS	Yes	
Motor Insulation Class	Class-H	Up to 180°C	REACH	Yes	

#extruder

EXT01LGX41009
SKU



Item Ref.	Qty.	Description	Article Number
1	1	LGX Lite Front V2	10087-5
2	1	LGX Lite Rear V2	10087-6
3	1	Hardened Cylindrical Shaft 4x20	STIFT4X20M6
4	2	Hardened Cylindrical Shaft 3x16	STIFT3X16M6
5	2	Low Head Cap Screw Black Oxide M3x25	M3X25L
6	2	Ball spring plungers 4x6mm	GN614KU4
7	1	Assembled LGX Dubble-Gear Metall	15146
8	2	Assembled LGX Drivegear Steel 1.75 V2	15162
9	2	Needlebearing	K3X5X7
10	4	Polyamide Washer M3 0.5	BRICKAM3PLAST
11	1	Nema14 Round Stepper	13013
12	1	LGX Lite Lever Long	15096
13	1	LGX Lite Lever short	15097
14	1	Pushfit collar 4mm	12016

EXTRUDER EXPLODED VIEW #02/02