



		PARTS LIST	
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	10-0008	MDG X-AXIS TIMING BELT CLAMP
2	3	10-0009	MDG Z AXIS SPACER
3	1	10-0022	MDG DUAL-X LINEAR RAIL PLATE, 300 MM, ENDER 3
4	1	10-0023	MDG-TOOL BASE, DUAL-X, ENDER 3
5	1	10-0024#0	DIRECT DRIVE EXTRUDER MOUNT, ENDER 3, MICRO-SWISS, PETG
6	1	10-0024A#0	MDG-ENDER 3-FAN DUCT-MICRO SWISS-RIGHT
7	1	10-0040	MDG X END STOP, LEFT, ENDER 3 PRO / V2
8	2	10-0041	MDG X END STOP, RIGHT, ENDER 3 PRO / V2
9	1	10-0042	MDG X LIMIT SWITCH PLATE, ENDER 3 PRO / V2
10	1	10-0048	MDG PTFE TUBE SUPPORT, ENDER 3 MICRO-SWISS / CREALITY EXTRUDER
11	30	HLN-M3X0.5	HEX LOCK NUT
12	3	HLN-M5X0.8	HEX LOCK NUT
13	1	HLN-M6X1	HEX LOCK NUT
14	6	HN-M3X0.5	HEX NUT
15	4	M12A5C3	PLAIN WASHER
16	2	M119A2A153	SHCS
17	34	M119A2A161	SHCS
18	12	M119A2A163	SHCS
19	2	M119A2A168	SHCS
20	3	M119A2A188	SHCS
21	2	M120A2A163	BHCS
22	2	M120A2A165A	BHCS
23	16	M121A2A161	FHCS
24	6	M121A2A163	FHCS
25	1	MDG-GT2B-2P-6W-1M	GT2 BELT
26	2	MDG-LR09-1H-300	LINEAR RAIL, 9MM X 300MM, SS
27	2	MDG-LRC-09H	LINEAR RAIL CARRIAGE, 9MM RAIL, H STYLE
28	1	SB-A201	SHOULDER BOLT, M8
29	1	SBS-A263	SHOULDER BOLT SHIM
30	1	SBS-A282	SHOULDER BOLT SHIM
31	5	SN-M3X0.5	SQUARE NUT

NOTES:

- DASHED LINES INDICATE REFERENCE COMPONENTS AND ASSEMBLIES WHICH ARE NOT INCLUDED IN BOM. THIS INCLUDES ITEMS REUSED FROM THE OEM PRINTER ASSEMBLY AND / OR TO BE PURCHASED SEPERATLY.
- FOR STEP-BY-STEP INSTALLATION INSTRUCTIONS PLEASE REFERENCE DOC NO. MDG ENDER 3 - DOC, LATEST REVISION.
- PLEASE VISIT MDG ENDER 3 PRO / V2 PROJECT BUILD PAGE FOR ADDITIONAL PROJECT / BUILD INFORMATION
- 310MM SPACING FOR Z-AXIS RAILS FOR MOUNTING TO ANY 3D PRINTER USING 2040 ALUMINUM EXTRUSION WITH OUTSIDE EDGE TO OUTSIDE EDGE SPACING OF 330MM.
- LINEAR RAILS MOUNTED IN PRECISION MACHINED POCKETS. LOWER EDGE IS REFERENCE EDGE. CONFIRM LINEAR RAILS ARE PARALLEL USING A DIAL INDICATOR.
- MDG Z-SPACERS (P/N: 10-0009) FOR USE WHEN Z-AXIS LINEAR RAILS ARE USED. OEM ROLLER WHEELS CAN BE USED WHEN Z-AXIS LINEAR RAILS ARE NOT INSTALLED.
- COMPATIBLE WITH AFTERMARKET DUAL-Z STEPPER MOTOR KITS. PURCHASE (3) ADDITIONAL MDG Z-SPACERS (P/N: 10-0009) WHEN UPGRADING TO DUAL Z STEPPER MOTOR DRIVES.
- COMPATIBLE HOTENDS: OEM CREALITY, MICRO-SWISS ALL METAL



TITLE: MDG X-AXIS DUAL LINEAR RAIL KIT, ENDER 3 PRO / V2

DRAWING NUMBER: 10-0036

SIZE D SCALE REV 1

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THIS DRAWING CONFORMS TO A.S.M.E. STANDARD Y14.5 - 2018.
UNLESS OTHERWISE SPECIFIED: ALL CIRCLES, LINES & FACES TO BE CONCENTRIC, PARALLEL & PERPENDICULAR WITHIN 0.010".
UNSPECIFIED CHAMFERS AND RADII TO BE 0.03". UNSPECIFIED MACHINE FINISH 125 RMS. REMOVE ALL SHARP EDGES.
COUNTERSINK TAPPED HOLES TO MAJOR THREAD DIAMETER.
DO NOT SCALE DRAWING.

PROJECTION

UNSPECIFIED TOLERANCES		
DIMENSION	.X	.XX
UNDER .36"	+/- .050	+/- .010
OVER .36"	+/- .100	+/- .025
ANGLES		+/- .0° 30'

MATERIAL:

HARDNESS:

REFERENCE:

PATTERN:

PREPARED BY / DATE:

REVIEWED BY / DATE:

PART NUMBER:

SURFACE PREP.:

COAT / TREATMENT:

COLOR:

CHECKED BY / DATE:

APPROVED BY / DATE:

10-0036