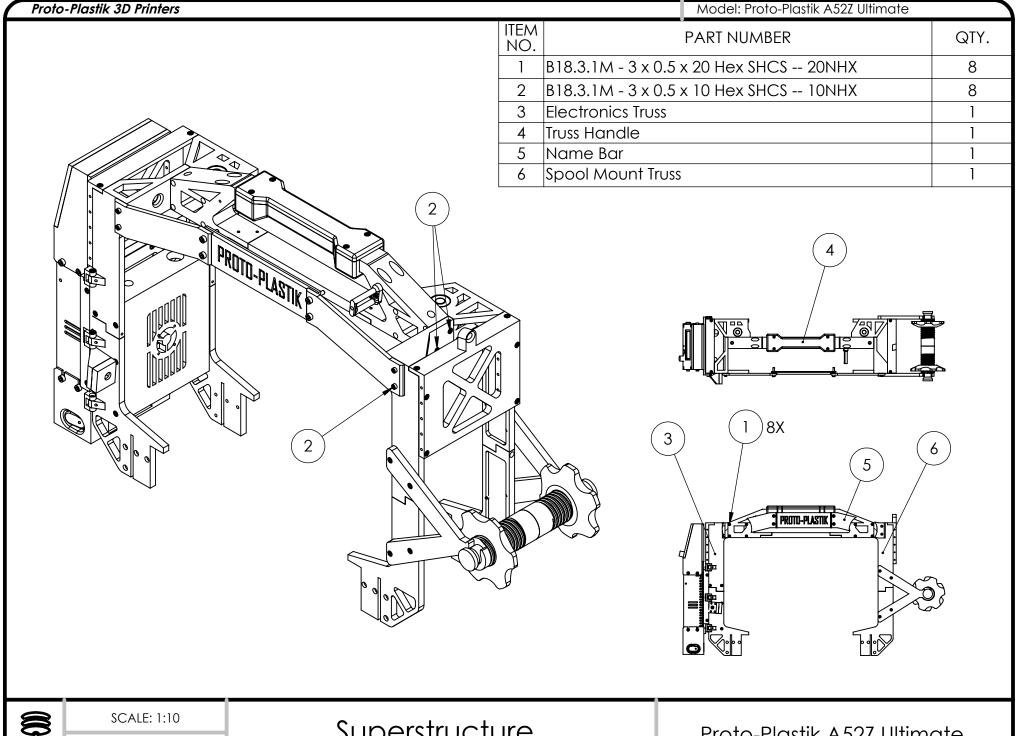
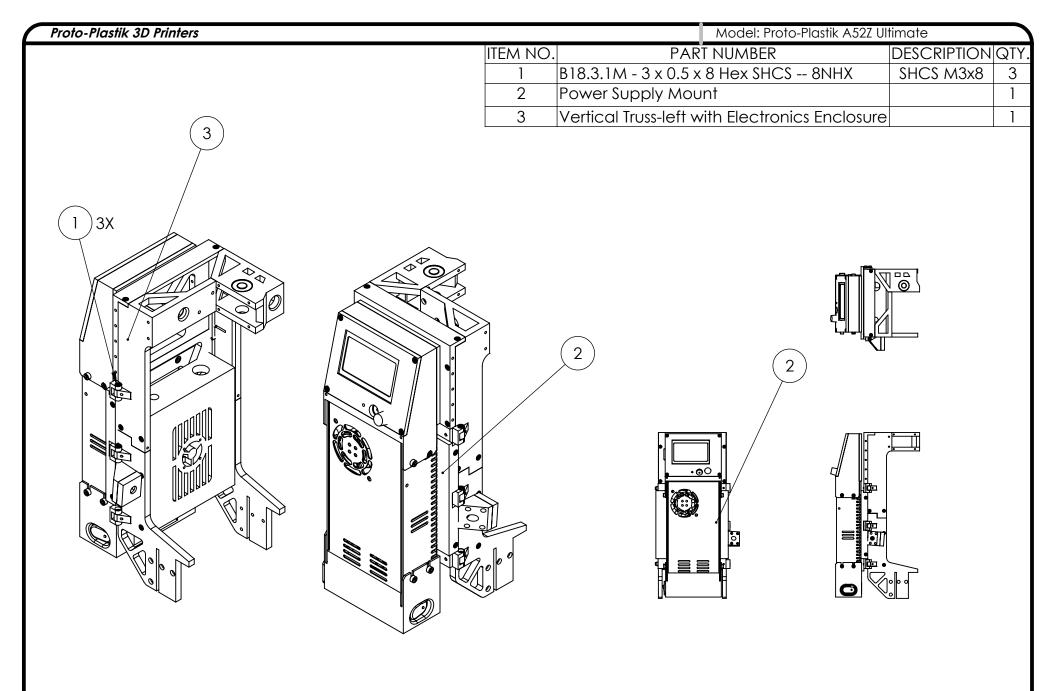


SHEET 1 OF 24

Top Level Assembly



SHEET 2 OF 24



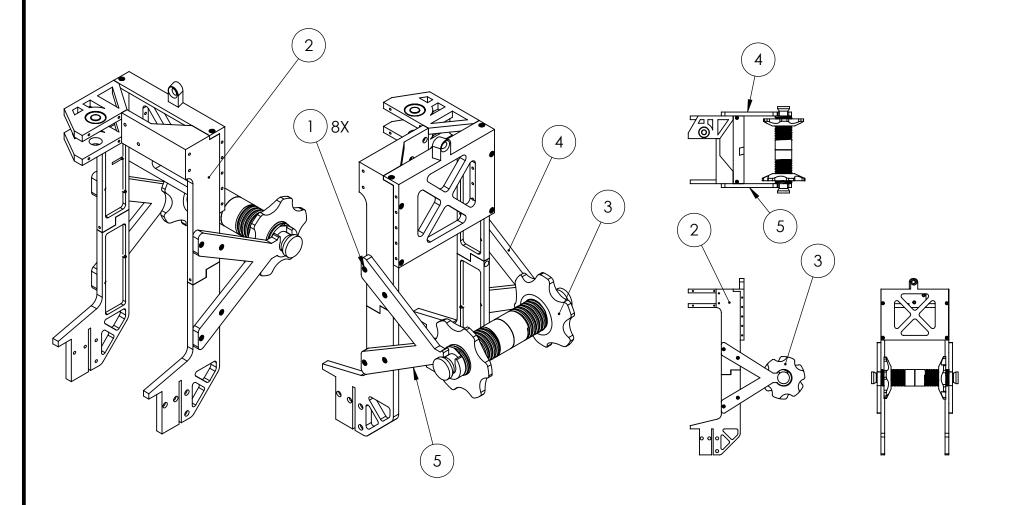


SHEET 3 OF 24

**Electronics Truss** 

Proto-Plastik 3D Printers

ITEM NO.	PART NUMBER	QTY.
1	B18.3.1M - 3 x 0.5 x 12 Hex SHCS -- 12NHX	8
2	Vertical Truss-right with Spool Mount	1
3	Filament Spool Holder	1
4	spool holder bracket - rear	1





SCALE: 1:8

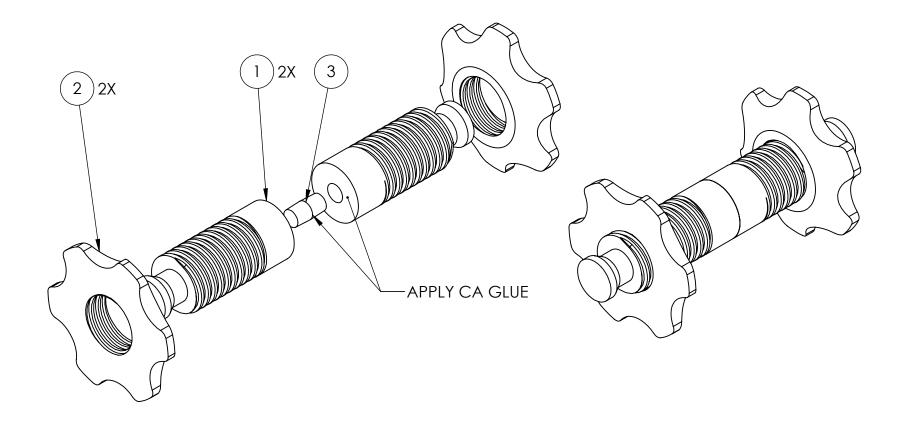
SHEET 4 OF 24

**Spool Mount Truss** 

Proto-Plastik A52Z Ultimate

spool holder bracket - front

		Model: Proto-Plastik A52Z Ultima	te
	ITEM NO.	PART NUMBER	ULTIMATE/QTY.
	1	filament spool holder spindle-shaft 1Z	2
	2	filament spool holder spindle-hub	2
	3	Proto-Plastik filament spool holder spindle pin	1

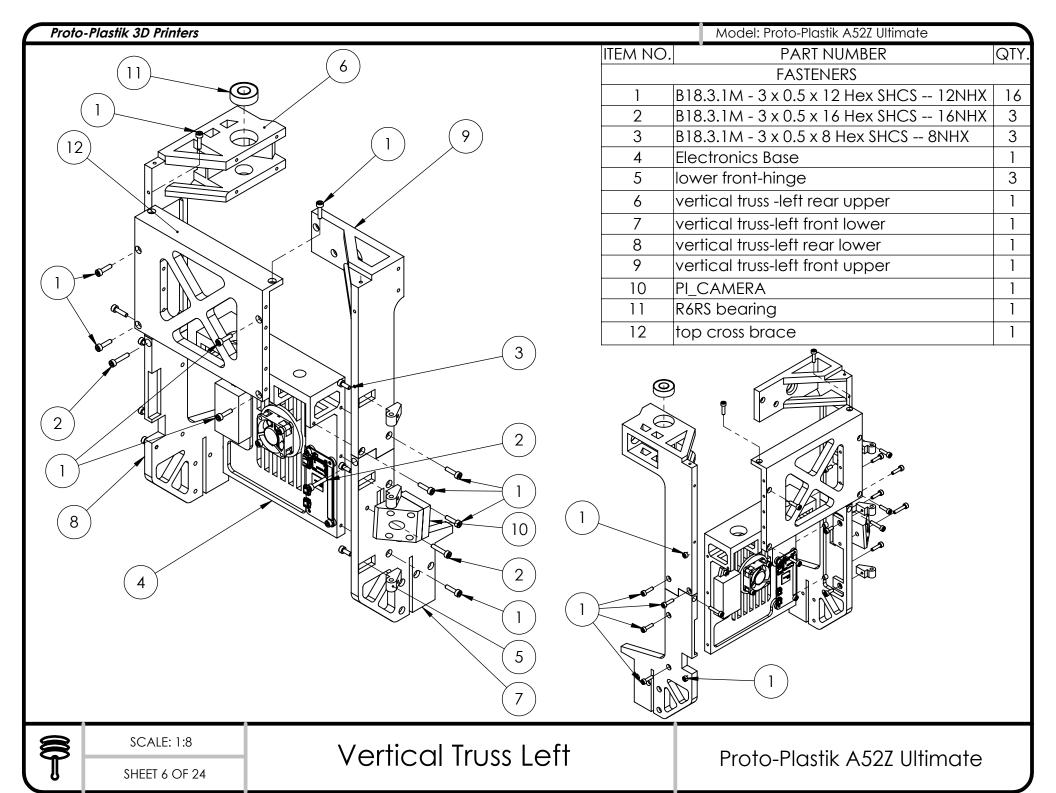


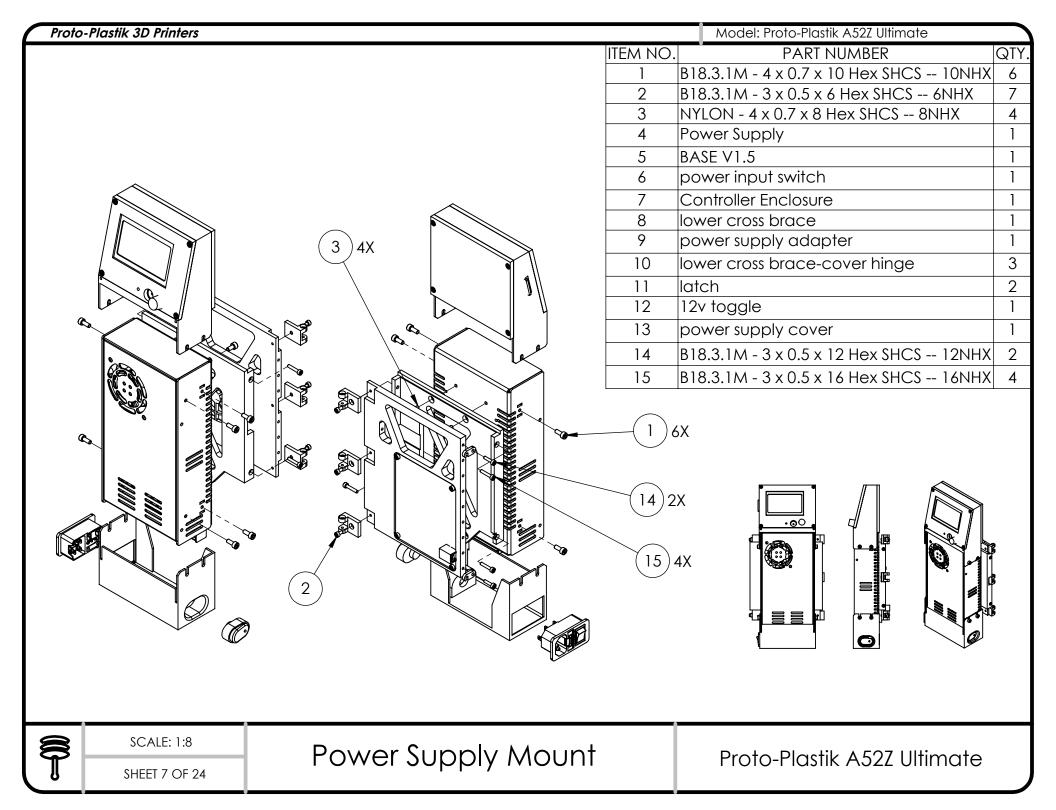


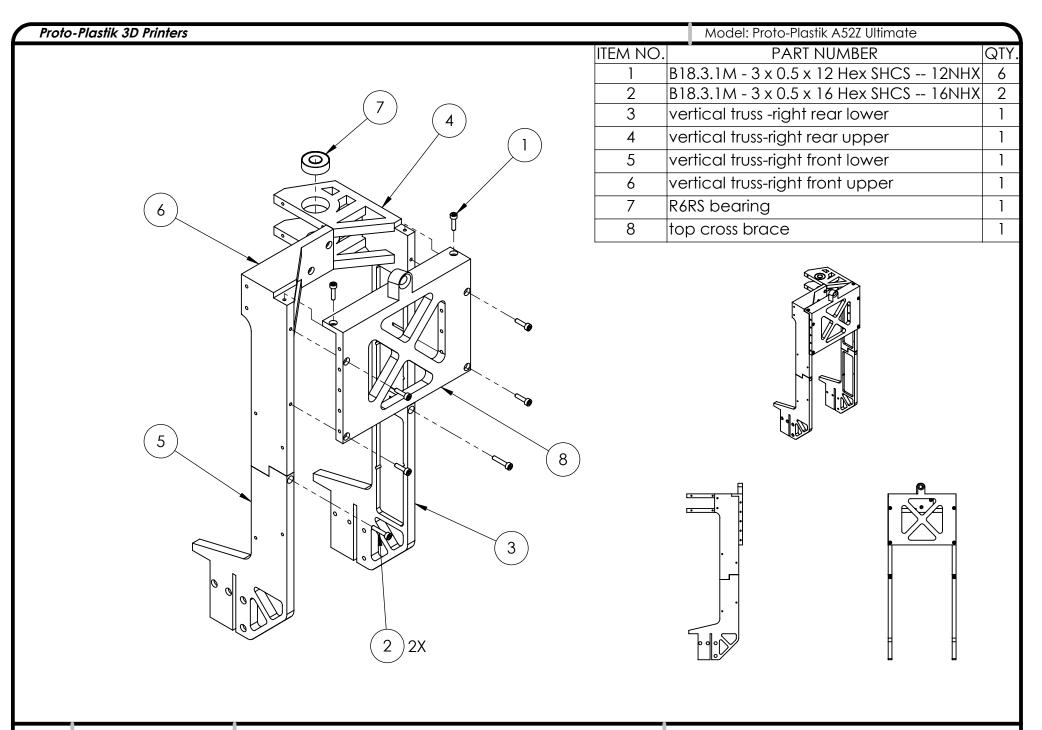
Proto-Plastik 3D Printers

SHEET 5 OF 24

Filament Spool Holder



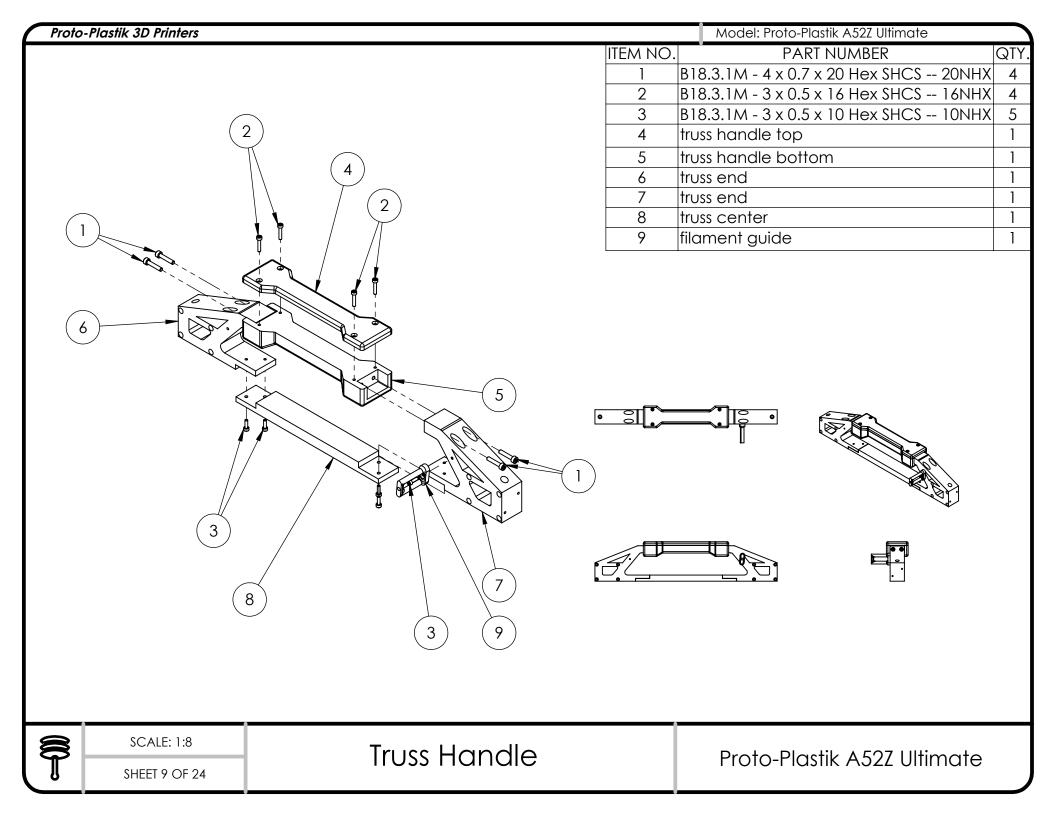


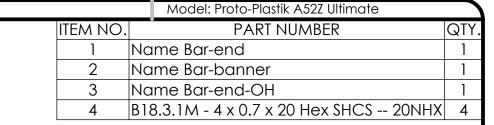


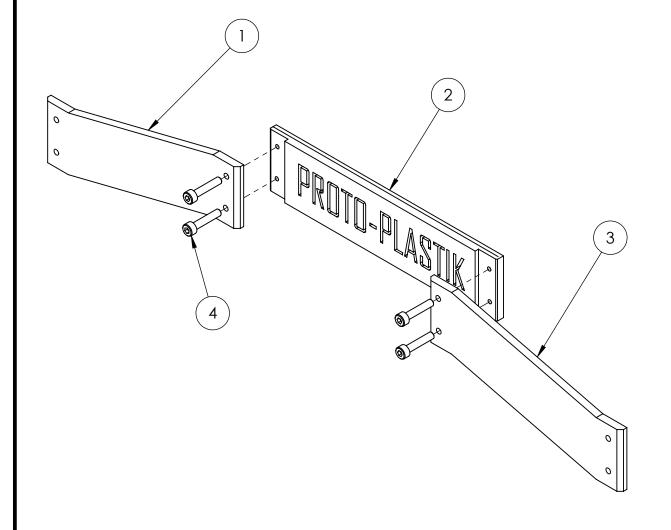


SHEET 8 OF 24

Vertical Truss Right





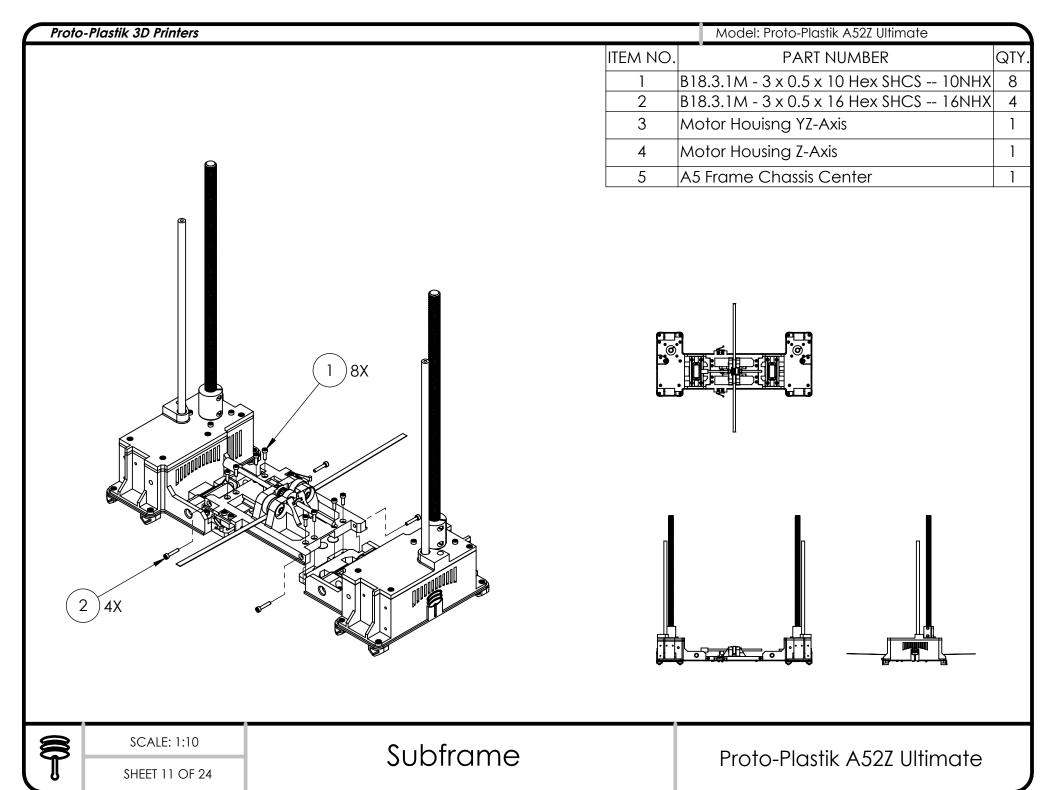


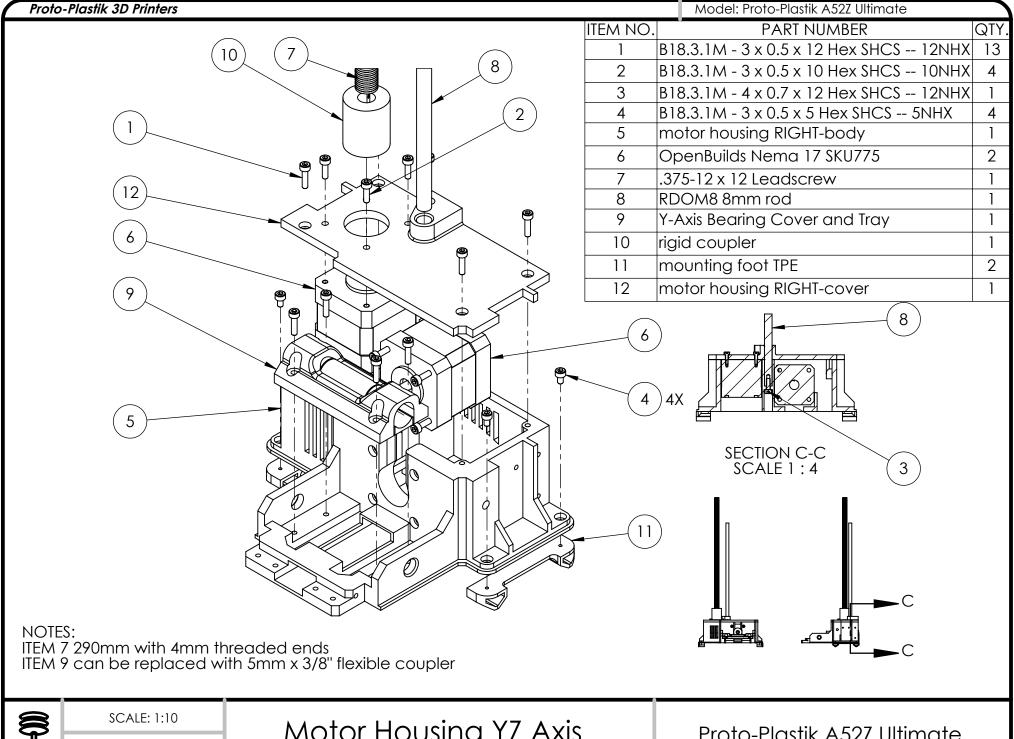


Proto-Plastik 3D Printers

SHEET 10 OF 24

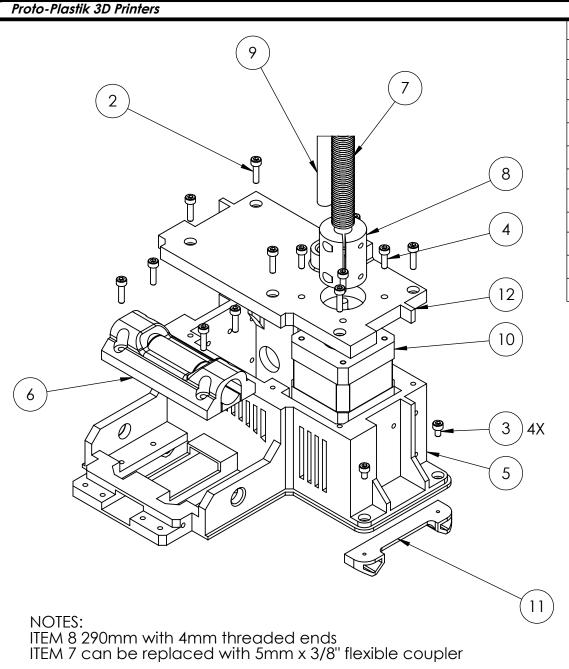
Name Bar



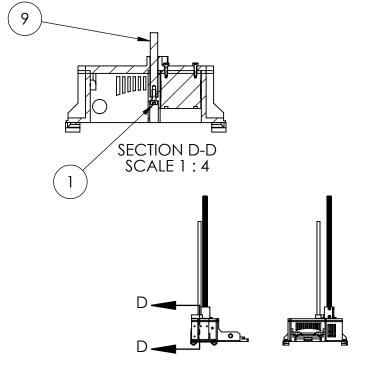


**SHEET 12 OF 24** 

Motor Housing YZ Axis



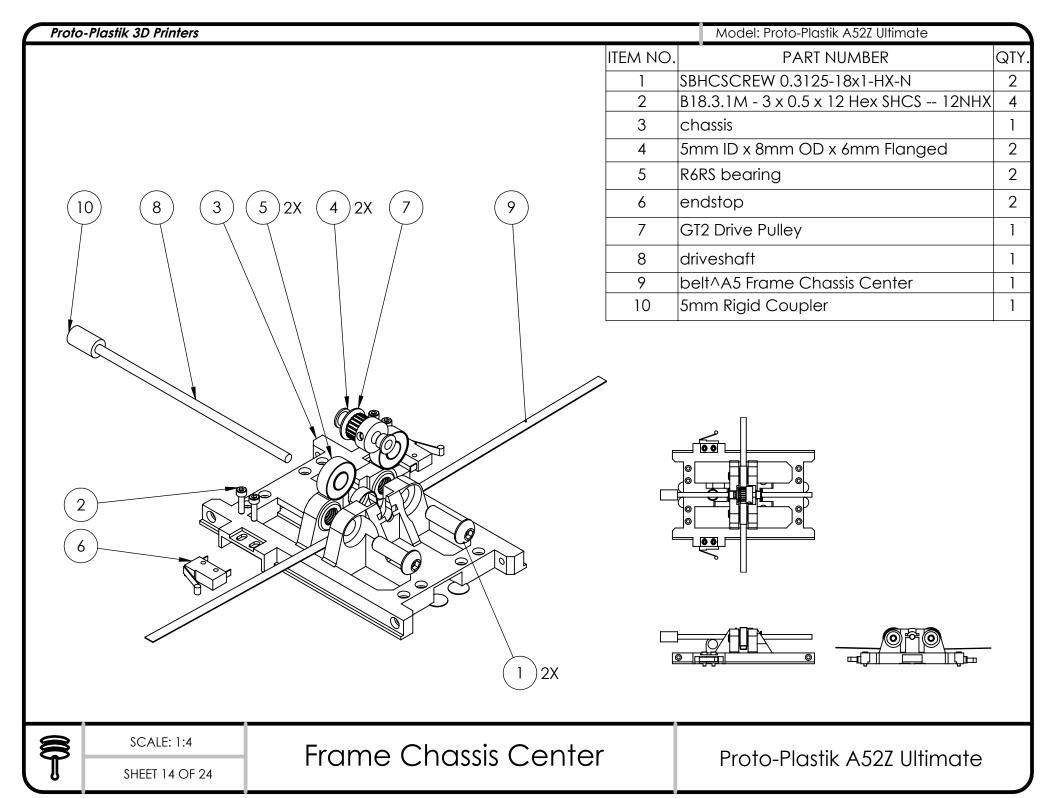
	Model: Proto-Plastik A52Z Ultimate	
ITEM NO.	PART NUMBER	QTY
1	B18.3.1M - 4 x 0.7 x 12 Hex SHCS 12NHX	1
2	B18.3.1M - 3 x 0.5 x 12 Hex SHCS 12NHX	10
3	B18.3.1M - 3 x 0.5 x 5 Hex SHCS 5NHX	4
4	B18.3.1M - 3 x 0.5 x 10 Hex SHCS 10NHX	4
5	motor housing LEFT-Body	1
6	Y-Axis Bearing Cover and Tray	1
7	.375-12 x 12 Leadscrew	1
8	rigid coupler	1
9	RDOM8 8mm rod	1
10	OpenBuilds Nema 17 SKU775	1
11	mounting foot TPE	2
12	motor housing LEFT-Cover	1

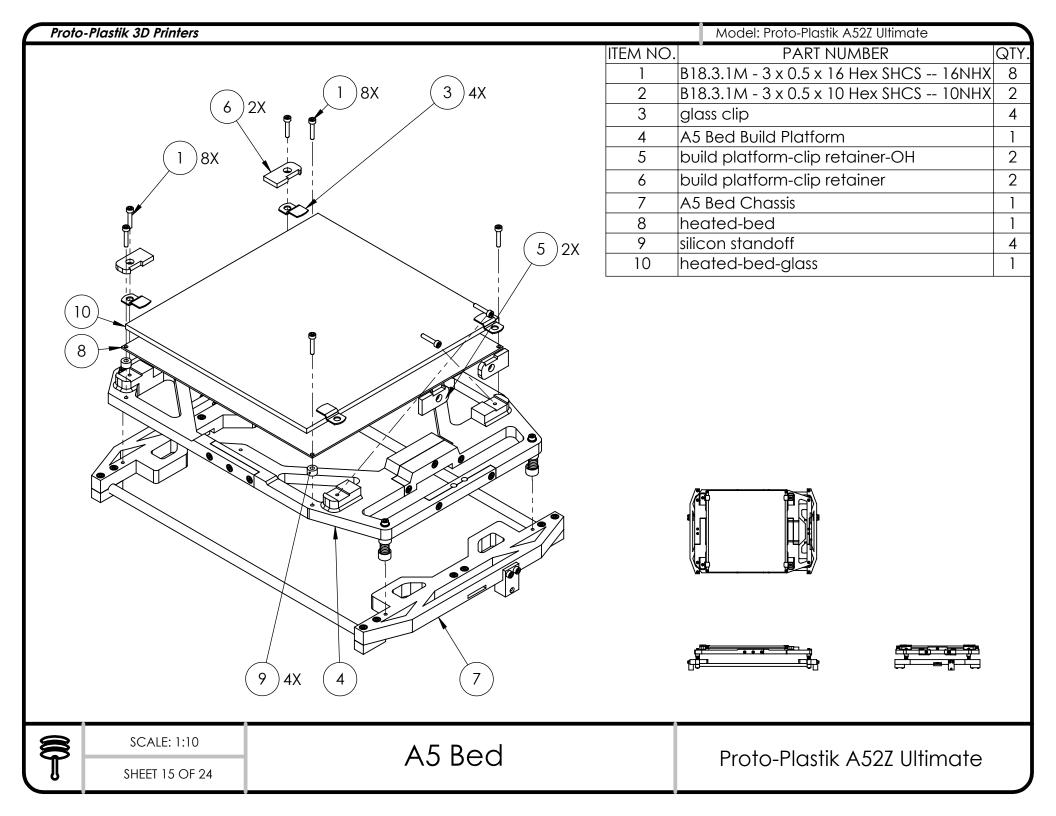


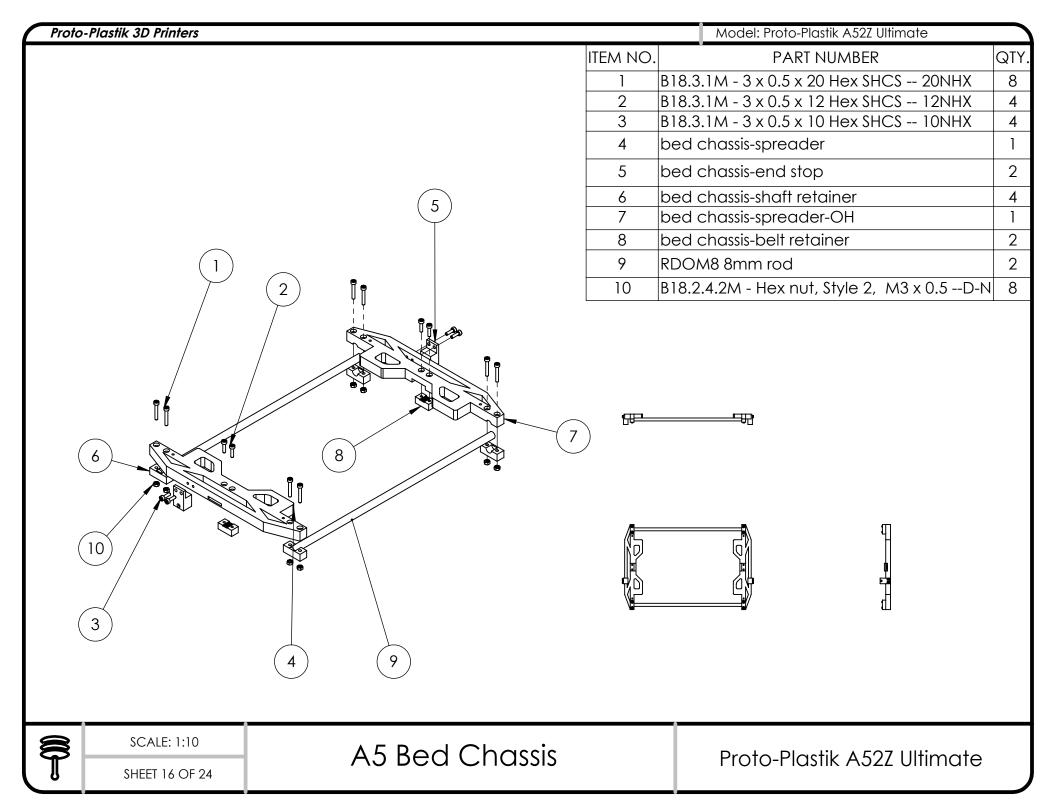


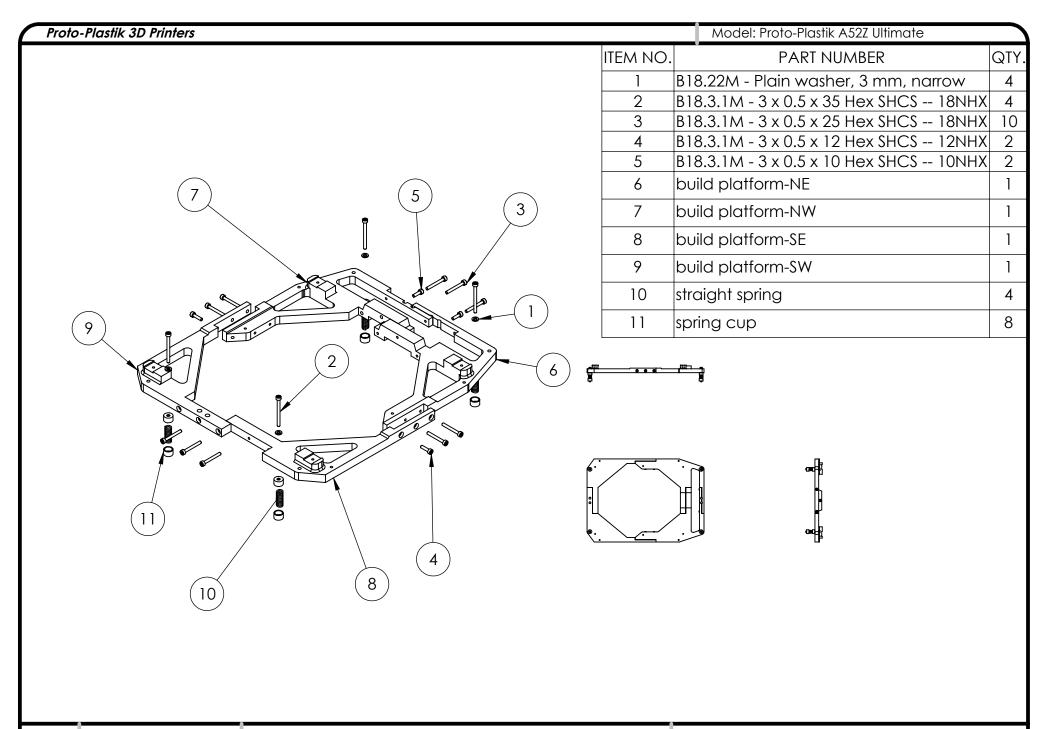
SHEET 13 OF 24

Motor Housing Z Axis









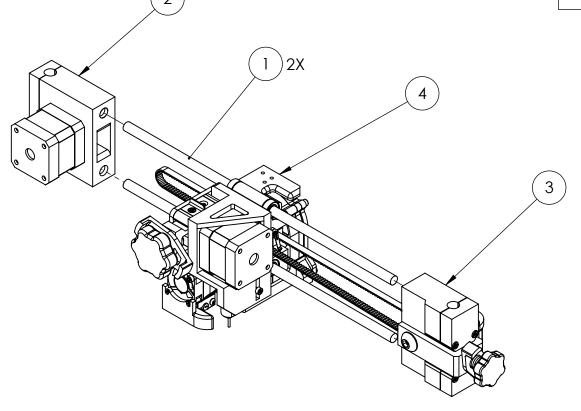


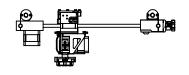
SHEET 17 OF 24

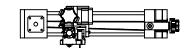
Proto-Plastik 3D Printers

Model: Proto-Plastik A52Z Ultimate

Wiedel: 11616 Flashik 7 (622 Gilli Hafe					
ITEM NO.	PART NUMBER	QTY.			
1	RDOM8 8mm rod	2			
2	2Z X-Axis Bearing Holder - LEFT	1			
3	2Z X-Axis Bearing Holder - RIGHT	1			
4	Filament Drive	1			





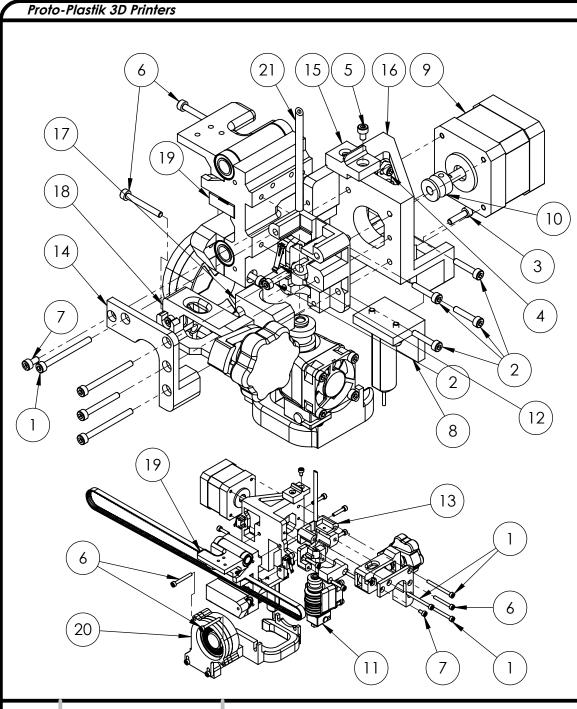




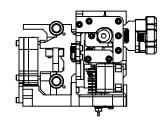
SCALE: 1:10

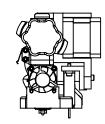
SHEET 18 OF 24

X-Axis Gantry



Model: Proto-Plastik A527 Ultimate				
ITEM NO.	PART NUMBER	QTY.		
1	B18.3.1M - 3 x 0.5 x 35 Hex SHCS 18NHX	3		
2	B18.3.1M - 3 x 0.5 x 16 Hex SHCS 16NHX	7		
3	B18.3.1M - 3 x 0.5 x 12 Hex SHCS 12NHX	1		
4	B18.3.1M - 3 x 0.5 x 10 Hex SHCS 10NHX	4		
5	B18.3.1M - 3 x 0.5 x 5 Hex SHCS 5NHX	1		
6	B18.3.1M - 3 x 0.5 x 25 Hex SHCS 18NHX	3		
7	B18.3.1M - 3 x 0.5 x 6 Hex SHCS 6NHX	1		
8	Filament Drive Bed Leveling	1		
9	OpenBuilds Nema 17 SKU775	1		
10	MK7	1		
11	e3D Lite6	1		
12	Endstop	2		
13	hot end mount-body	1		
14	hot end cover	1		
15	filament guide access	1		
16	motor mount	1		
17	hot end retainer	1		
18	Filament Drive Tightener	1		
19	Filament Drive Bearing Holder	1		
20	Filament Drive Cooling Fan	1		
21	ptfe tube	1		

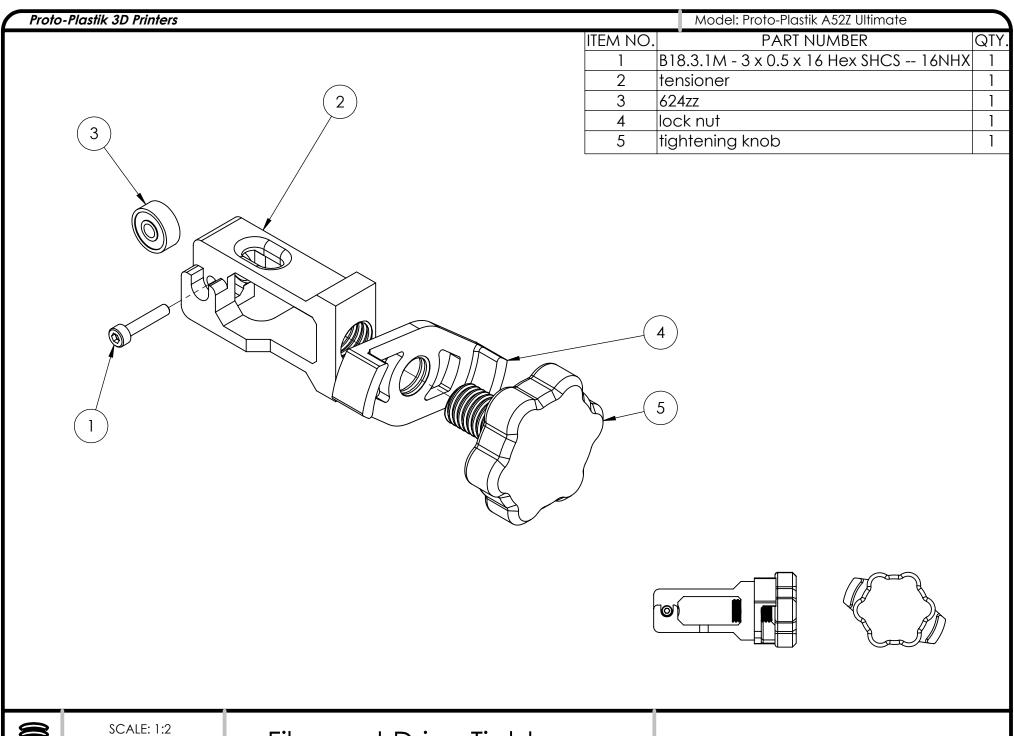






SHEET 19 OF 24

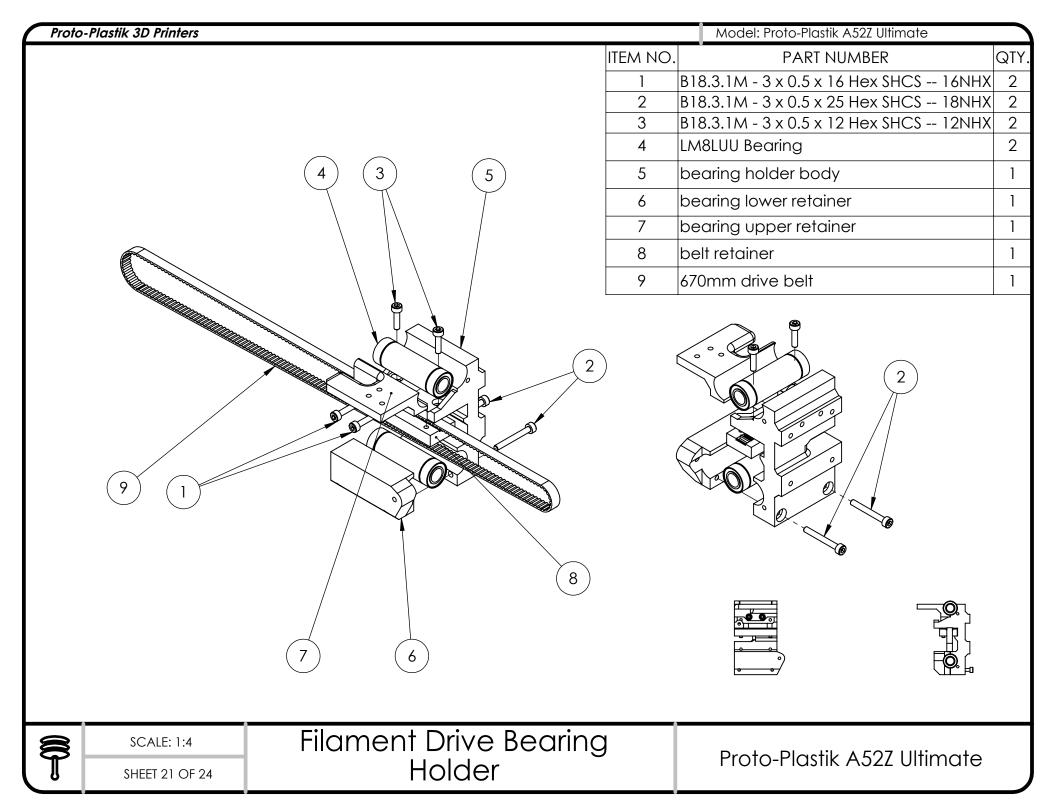
Filament Drive

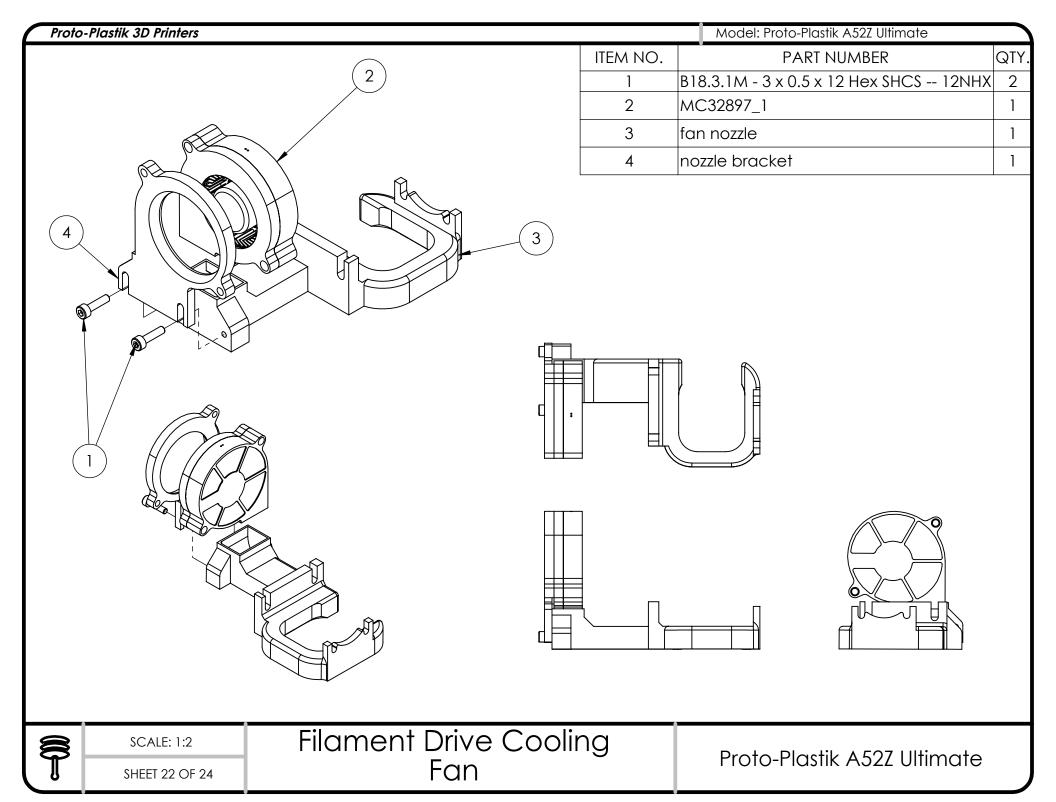


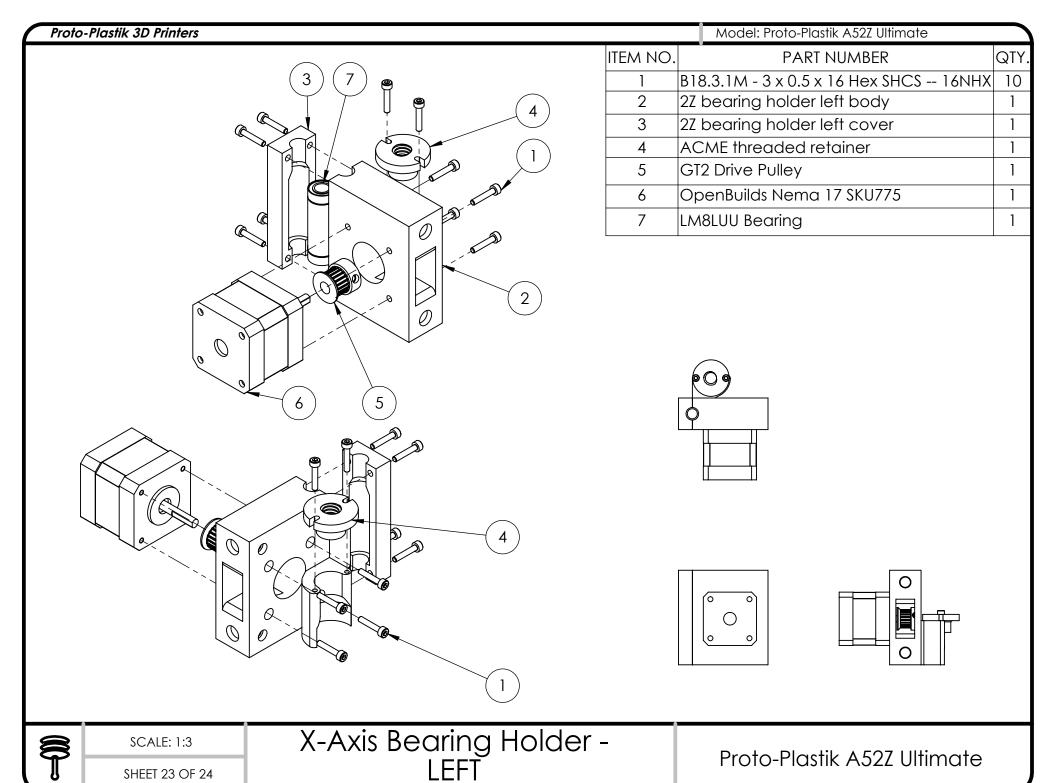


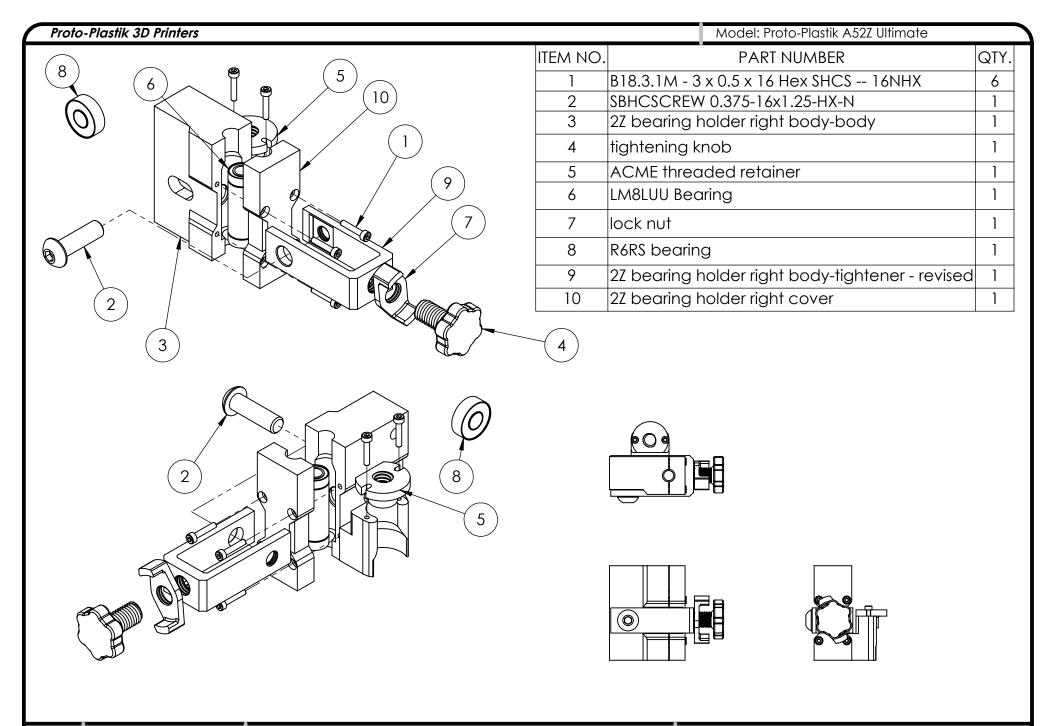
**SHEET 20 OF 24** 

Filament Drive Tightener











SHEET 24 OF 24

X-Axis Bearing Holder -RIGHT