



Notes:

- Quantities listed are total quantities for the entire assembly
- Each frame-related bolt (8, 32) requires one slot nut (9).
- Linear bearing blocks SC12UU (26) require full depth threaded holes.
- Idler pulley positioners (21) are M5 nuts with grinded 45°x4 mm chamfer.
- Ends of synchronous belts (18, 40) are fixed with brass buckle.

40	Synchronous Belt GT2-1116 x 6	1
39	Cross Head Screw M3 x 12	18
38	Cross Head Screw M5 x 35	2
37	Hotend E3D V6 type	1
36	Teflon Tube $\Phi 1.75 \times 120$	1
35	Filament Feeder Plate	1
34	Filament Feeder Creality MK8 style	1
33	Extruder plate	1
32	Cross Head Bolt M5 x 12	62
31	Linear Guide $\Phi 12 \times 375$	2
30	Washer 5 x 10 x 1.5	8
29	Socket Head Bolt M5 x 30	8
28	Portal Plate - Left	1
27	Portal Plate - Right	1
26	Linear Bearing Block SC12UU	6
25	Linear Guide $\Phi 12 \times 446$	2
24	Linear Guide Support SK12	16
23	Washer 5 x 18 x 1	11
22	Idler Pulley GT2-20t x 6	9
21	Idler Pulley Positioner	22
20	Hexagonal Head Bolt M5 x 35	11
19	Belt Pin	4
18	Synchronous Belt GT2-970 x 6	2
17	Y Shaft $\Phi 6 \times 515$	1
16	Ball Bearing F686-2RS 6 x 13 x 5	2
15	Synchronous Pulley GT2-20t x 6	6
14	Synchronous Loop Belt GT2-158 x 6	1
13	Stepper Motor NEMA17 17HS8401	4
No.	Item	Qty

Project: 3D Printer <i>Flutur i5</i>		Title: XY Motion		
Author	Avram Kovačević	No.	3DFi5-192502	A2
Licence	CERN-OHL-S-2.0	Date	21.08.2025.	2/6