

Pack 1: Wheels and Idlers

Dual X		Pack 1	
V-wheel sleeve	MW1	20	
Smooth idler wheel sleeve	MW2	6	
5mm precision washer	W5Pa	26*	

Single X		Pack 1 SX	
V-wheel sleeve	MW1	16	
Smooth idler wheel sleeve	MW2	6	
5mm precision washer	W5Pa	22*	

Pack 2: Bearings

Dual X		Pack 2	
5 x 16 x 5mm bearing	G5	52	

Single X		Pack 2 SX	
5 x 16 x 5mm bearing	G5	44	

Pack 3: X and Y Motors

NEMA17 motors on X and Y		Pack 3	
20-tooth GT2 pulley 5mm bore	P2-20-5	3 †	
M3 5mm set screw	S3-5G	6	
M3 23.81mm spacer	D3-15	8	
M3 washer (form A)	W3	12	
M3 6mm cap screw	S3-6	4	
M3 30mm cap screw	S3-30	8	

NEMA23 on X, NEMA17 on Y		Pack 3 S	
20-tooth GT2 pulley 5mm bore	P2-20-5	2 †	
20-tooth GT2 pulley 6.35mm bore	P2-20-6	1 †	
M3 5mm set screw	S3-5G	6	
M3 23.81mm spacer	D3-15	8	
M3 washer (form A)	W3	8	
M3 30mm cap screw	S3-30	8	
M5 3.18mm spacer (thick)	D5-02a	4	
M5 25.4mm spacer (thick)	D5-16a	4	
M5 hex nut	N5	4	
M5 washer (form A)	W5	8	
M5 18mm cap screw	S5-18	4	
M5 30mm flanged screw	S5-30F	2	
M5 40mm cap screw	S5-40	4	

NEMA23 motors on X and Y		Pack 3 T	
20-tooth GT2 pulley 6.35mm bore	P2-20-6	3 †	
M3 5mm set screw	S3-5G	6	
M5 3.18mm spacer (thick)	D5-02a	4	
M5 25.4mm spacer (thick)	D5-16a	12	
M5 hex nut	N5	12	
M5 washer (form A)	W5	24	
M5 18mm cap screw	S5-18	4	
M5 30mm flanged screw	S5-30F	2	
M5 40mm cap screw	S5-40	12	

Pack 4: Y Carriages

All		Pack 4	
Eccentric spacer	MES	4	
M5 hex nut	N5	12	
M5 washer (form A)	W5	36	
M5 30mm cap screw	S5-30	12	

Pack 5: X Carriage

Dual X		Pack 5 A	
Eccentric spacer	MES	6	
M5 6.35mm aluminium spacer	D5-04b	4	
M5 25.4mm aluminium spacer	D5-16b	12	
M5 hex nut	N5	10	
M5 washer (form A)	W5	74	
M5 washer (form B)	W5B	20*	
M5 30mm cap screw	S5-30	2	
M5 70mm cap screw	S5-70	2	
M5 90mm cap screw	S5-90	6	

Single X		Pack 5 SX	
Eccentric spacer	MES	4	
M5 6.35mm spacer (thick)	D5-04a	8	
M5 19.05mm spacer (thick)	D5-12a	4	
M5 25.4mm spacer (thick)	D5-16a	4	
M5 hex nut	N5	10	
M5 washer (form A)	W5	62	
M5 washer (form B)	W5B	8*	
M5 30mm cap screw	S5-30	2	
M5 55mm cap screw	S5-55	4	
M5 70mm cap screw	S5-70	4	

* in inner bag

† in tube

‡ packed separately

Pack 6: Small Plates

NEMA17 motors on X and Z		Pack 6	
Z motor mount plate	LZP	2	
Belt anchor	LBA	2	

NEMA23 on X, NEMA17 on Z		Pack 6 S	
Z motor mount plate	LZP	2	
Belt anchor	LBA	2	
Belt-on-the-side belt anchor	LBA1	2	

NEMA23 motors on X and Z		Pack 6 U	
NEMA23 Z motor mount plate	LZP1	2	
Belt anchor	LBA	2	
Belt-on-the-side belt anchor	LBA1	2	

Pack 7: Gantry and Frame

Dual X 375 mm		Pack 7	
M5 washer (form A)	W5	16	
M5 14mm cap screw	S5-14	16	

Dual X 500 mm		Pack 7 3B	
M5 washer (form A)	W5	16	
M5 14mm cap screw	S5-14	16	
M3 washer (form A)	W3	6	
M3 20mm cap screw	S3-20	6	
M3 T-slot insertion nut	N3TI	6	

Dual X 750 mm		Pack 7 4B	
M5 washer (form A)	W5	16	
M5 14mm cap screw	S5-14	16	
M3 washer (form A)	W3	8	
M3 20mm cap screw	S3-20	8	
M3 T-slot insertion nut	N3TI	8	

Dual X 1000 mm		Pack 7 6B	
M5 washer (form A)	W5	16	
M5 14mm cap screw	S5-14	16	
M3 washer (form A)	W3	12	
M3 20mm cap screw	S3-20	12	
M3 T-slot insertion nut	N3TI	12	

Single X (any length)		Pack 7 SX	
M5 washer (form A)	W5	12	
M5 14mm cap screw	S5-14	12	

Pack 8: Z Leadscrew

Threaded rod Z axis		Pack 8	
Z rail shim	LZS	1	
7 x 22 x 8mm flanged bearing	G8F	1	
Lead nut, M8	MLN	1	
M5 washer (form A)	W5	4	
M5 10mm cap screw	S5-10	2	
M5 18mm cap screw	S5-18	2	
M8 hex nut, thin	N8T	2	
M8 150mm threaded rod	S8-150R	1 ‡	

Leadscrew Z axis		Pack 8 Z	
Lead nut, Tr 8 x 2	MLN1	1	
M5 washer (form A)	W5	4	
M5 10mm cap screw	S5-10	2	
M5 18mm cap screw	S5-18	2	
Tr 8 x 2 leadscrew + bearing	MLS1G	1 ‡	

Pack 9: Z Motor

NEMA17 motor on Z		Pack 9	
5mm to 8mm flexible coupler	FC5-8	1	
M3 1.58mm washer	W3N	3	
M5 1.58mm washer	W5N	2	
M3 20.64mm spacer	D3-13	6	
M3 washer (form A)	W3	3	
M3 50mm cap screw	S3-50	3	

NEMA23 motor on Z		Pack 9 U	
6.35mm to 8mm flexible coupler	FC6-8	1	
M5 1.58mm washer	W5N	5	
M5 19.05mm spacer (thick)	D5-12a	3	
M5 25.4mm spacer (thick)	D5-16a	3	
M5 hex nut	N5	3	
M5 washer (form A)	W5	6	
M5 70mm cap screw	S5-70	3	

Pack 10: Spindle Mounts

All		Pack 10	
Spindle mount	LTM	2	
Spindle strap	LTS	2	
M5 19.05mm spacer	D5-12	8	
M5 washer (form A)	W5	4	
M5 10mm cap screw	S5-10	4	
M5 55mm cap screw	S5-55	4	
M5 T-slot insertion nut	N5TI	4	

Pack 11: Belt Attachment

All		Pack 11	
Belt tensioner	LBT	3	
Belt clamp	LBC	12	
M5 hex nut	N5	12	
M5 10mm cap screw	S5-10	12	
M5 14mm cap screw	S5-14	3	

Pack 12: Belts

(by X and Y size)		Pack 12	
580mm 6mm wide GT2 belt	B2-580		
700mm 6mm wide GT2 belt	B2-700		
950mm 6mm wide GT2 belt	B2-950		
1200mm 6mm wide GT2 belt	B2-1200		
1700mm 6mm wide GT2 belt	B2-1700		

Pack 13: Frame

Standard end plates		Pack 13	
M5 hex nut	N5	4	
M5 washer (form A)	W5	8	
M5 14mm cap screw	S5-14	4	
angle bracket	-	4	
wood screw	-	8	

Open ends, 375 or 500mm Y		Pack 13 O	
M5 washer (form A)	W5	8	
M5 10mm cap screw	S5-10	8	
M5 T-slot insertion nut	N5TI	8	

Open ends, 750 or 1000mm Y		Pack 13 IS	
M5 washer (form A)	W5	12	
M5 10mm cap screw	S5-10	12	
M5 T-slot insertion nut	N5TI	12	

Open ends, 1400mm Y		Pack 13 2S	
M5 washer (form A)	W5	16	
M5 10mm cap screw	S5-10	16	
M5 T-slot insertion nut	N5TI	16	

Deluxe frame, 750/1000mm Y		Pack 13 1F	
M5 washer (form A)	W5	16	
M5 10mm cap screw	S5-10	16	
M5 T-slot insertion nut	N5TI	16	
Self-tapping screw/blind joint	S5ST	8	

Deluxe frame, 1500mm Y		Pack 13 2F	
M5 washer (form A)	W5	24	
M5 10mm cap screw	S5-10	24	
M5 T-slot insertion nut	N5TI	24	
Self-tapping screw/blind joint	S5ST	8	

MakerSlide

(by X and Y size; by single/dual X)			
250mm MakerSlide	R-250	1	
375mm MakerSlide	R-375		
500mm MakerSlide	R-500		
750mm MakerSlide	R-750		
1000mm MakerSlide	R-1000		
1500mm MakerSlide	R-1500		

Frame Extrusion

(by X size; by standard/deluxe frame)			
440mm 20x40 T-slot extrusion	EB-440		
560mm 20x40 T-slot extrusion	EB-560		
810mm 20x40 T-slot extrusion	EB-810		
1060mm 20x40 T-slot extrusion	EB-1060		
670mm 20x40 T-slot extrusion	EB-670		
920mm 20x40 T-slot extrusion	EB-920		
1420mm 20x40 T-slot extrusion	EB-1420		

Motor Mount Plates

All			
Motor mount plate	LMP	4	

Frame Plates

Standard end plates			
Classic end plate	LEP	2	

Open end plates, 375 or 500mm Y			
Open end plate	LXP	4	

Open end plates, 750 or 1000mm Y			
Open end plate	LXP	4	
Mid-span Y support	LYS	2	

Open end plates, 1400mm Y			
Open end plate	LXP	4	
Mid-span Y support	LYS	4	

X Rail Frame Z Axis Motors X Size Y Size

Serial number:

Configuration:

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