

Soil Compaction Robots - Assemblies Total Parts List

A	B	C	D	E	F	G	Part Number	Total Quantity	MakeBlock Web Descriptor
						1	1	2	Socket Cap Screw M4x8mm - Button head
3	4	4	4	4	4	4	2	70	Socket Cap Screw M4x14mm - Button head
							3	0	Socket Cap Screw M4x22mm - Button head
4	1	1	1	1	1	3	4	28	Nylon Lock Nut 4mm
							5	0	Lock Nut 4mm
16	7	7	7	7	7	3	6	136	Plastic Spacer 4x8x1
	1	1	1	1	1	1	7	16	Plastic Spacer 4x7x10
3	1	1	1	1	1	1	8	22	Shaft Collar 4mm
1	1	1	1	1	1	1	9	18	Shaft Connector 4mm
4	2	2	2	2	2	2	10	40	Headless Set Screw M3x5
6	2	2	2	2	2	2	11	44	Flange Copper Sleeve 4x8x3mm
3	1	1	1	1	1	1	12	22	Threaded Shaft 4x39mm
			2	1	1	1	13	14	Gear 80T-Blue
	2			1	1		14	12	Timing Pulley 90T-Blue
3						1	15	8	Timing Pulley 62T-Blue
1	1	1	1	1	1	1	16	18	DC Motor-25 9V/185RPM
	1	1	1	1	1	1	17	16	DC Motor Bracket B-Blue
1		2		1	1		18	14	Tire 68.5x22mm
							19	0	Slick Tyre 64x16mm
	1						20	2	Track 80x139mm
						2	23	4	Plate 135
1							24	2	Plate T-type
1	1	1	1	1	1		25	16	Beam0824-144
16 ¹			22 ²	11 ³	11 ³	19 ⁴	27	158	Axle and Track Axle

¹ The triangle track is made up of 16 tracks and track axles

² Assembly D uses two *80T Gears wrapped with 11 tracks and track axles

³ Assembly E and F use 11 tracks and track axles wrapped around the 80T gear

⁴ Assembly F uses a special track that is made from 19 tracks and track axles

SPECIAL NOTE: Columns A-E indicate how many of each of the parts is needed for one side of the assembly. Keep in mind you need to have two total for each of these to be mounted on the testing chasis. Total quantity would be how many of the parts are needed to have all 7 assemblies

