

BOM for Skyward 150 Compact Version			
Category	Component	QTY	Note
Fasteners & Hardware	#8 x 3/4" Self Tapping Screw	6	
Fasteners & Hardware	M3 x 10mm BHCS	3	
Fasteners & Hardware	M4 x 16mm Countersinking Screw Hex Head	4	
Fasteners & Hardware	M5 x 8mm BHCS	12	
Fasteners & Hardware	M5 x 12mm BHCS	8	
Fasteners & Hardware	M5 x 15mm Knob	3	
Fasteners & Hardware	M5 x 16mm BHCS	4	
Fasteners & Hardware	M5 x 20mm BHCS	8	
Fasteners & Hardware	M5 x 25mm BHCS	32	
Fasteners & Hardware	M5 x 35mm BHCS	14	
Fasteners & Hardware	M5 x 35mm Knob	3	
Fasteners & Hardware	M5 x 65mm BHCS	4	
Fasteners & Hardware	M6 x 95mm Socket Head Screw	3	
Fasteners & Hardware	M6 x 120mm Socket Head Screw	1	
Fasteners & Hardware	M5 Threaded Insert (M5 x D8.0 x L9.0)	72	
Fasteners & Hardware	2020 M5 T-nut	16	Check compatibility with aluminum extrusions
Fasteners & Hardware	M4 Nyloc Nut	4	
Fasteners & Hardware	M6 Nut	4	
Frame	2020 Aluminum Extrusion x 645mm	4	Some vendors have colour options
Misc	25mm x 25mm piece of 3M Mounting Tape	3	
Misc	25mm x 55mm piece of 3M Mounting Tape	2	
Misc	Dead AA-cell Batteries (don't have to be dead)	8	Only needed for counterbalancing payloads at the eyepiece
Misc	Dead D-cell Batteries (don't have to be dead)	4	Only needed for counterbalancing payloads at the eyepiece
Misc	Teflon Piece 25mm x 12mm	4	
Misc	Teflon Piece 25mm x 25mm	3	
Optical Components	1.25 inch Metal Focuser for Newtonian Telescopes	1	
Optical Components	1.25 inch, 23mm Focal Length Eyepiece	1	
Optical Components	Celestron Red Dot Finder w Dovetail Base	1	
Optical Components	D150F750 Primary Mirror	1	Choose spherical (budget) or parabolic (premium)
Optical Components	Laser Collimator	1	
Optical Components	Secondary Mirror	1	
Tubing	1" PVC Pressure Pipe, 370mm length	3	
Tubing	2" ABS Plumbing Pipe, Length between 600mm and 1metre	3	800mm is a good multipurpose length