

Data sheet G42 Observatory+

Head weight (w/o ctw. shaft)	22 kg
Loading capacity	C-14, 8" Apo, 12" Newtonian (cca. 40kg)
Elevation range	0-90 degree (see the manual for details!)
Fork base	Reinforced Alu casting. ¹
Gear size (RA and DEC)	D217 mm, high quality bronze in RA, high quality anodised alu in DEC
Shaft size (RA and DEC)	D60x17.5mm High Tensile Strength anodised Alu.
Counterweight shaft	30 mm diameter, polished stainless steel.
Telescope platform size	120 x 330 mm, 15 mm thick Alu (flat within 0,02mm)
Tripod interface	Central M10/M8 + 2xM8 at sides. Azimut pin at R=60mm.
Tracking accuracy	± 5" or better
Motors	High torque steppers, 200 step/rev (microstepped)
Drivers (optional)	Pulsar (motor cable for Pulsar included as standard)
PEC (Periodic Error Correction)	With built in RA worm encoder on models ordered with Pulsar. PEC is not available with other drivers.
Colour	Satinated and anodised in natural, red, blue or black colors.
NO Dec cable system (offers freedom from twisting DEC cable)	Included as standard, with single motor cable.
Polar scope (optional)	12x30mm, illuminated (illuminator NOT supplied, Vixen size and similar), collimation possible
Permanent setup adapter (optional)	Adapts the mount to a 120 mm O.D. pier. Black Alu casting.
Universal telescope adapter plate (optional)	120x330x10mm thick black anodised alu plate. 4 stainless screws to attach to mount are supplied. Yo drill the holes or supply a drawing to Gemini.
Losmandy rail adapter (optional)	A full size, robust aluminium adapter that works with the 3" low (cca.7mm) profile and the C14 type rails as well. Black anodised, see below on the blue G41Obs+!
Losmandy rail (optional)	400x100x10mm, black anodised aluminium, flat top, to be attached to tube rings for easy setup and balancing of the OTA. Compatible with the rail adapter above.
Counterweight (optional)	Crome plated steel, polished, brass tip setscrew 9kg.
GHS MkII QlockTripod (optional)	15,5 kg, Aluminium, adjustable height (100-140 cm or custom), left handed version available (on request) at no extra cost. Integrated bubble level.
Qlock system	You just put the mount on the tripod, turn a conveniently placed handknob on the pier and you're ready to go!

1 For permanent setup the G-42 is supplied with M10 Allen head screws instead of the handknob (elevation lock). This allows for more overhang after passing the meridian. Hexagonal key size: 8mm. For more information see the manual!

2. For higher GoTo speeds (above cca.3deg/sec) the Pulsar 24V transverter model is recommended. An alternative solution is to use a 24V power supply.