



12-inch Closed Tube Dobsonian Rich Field Telescope - Aperture Telescopes

Telescope Design	Newtonian Optics (closed tube), Dobsonian Mount
Materials used	Waterproof marine ply, laminate, hard plastic solid tube
Finish	Weatherproof paint and laminate
Primary Mirror	
Mirror maker	Aperture Telescopes, India
Mirror physical, optical diameter	300 mm, 298 mm
Mirror edge thickness	25 mm
Mirror weight	4.2 Kg
Mirror coating	Aluminium + SiO protective coating 92% reflectivity
Focal length, focal ratio	1200 mm, f/4, fully parabolized
Mirror cell	3-point support cell
Mirror cell material	Marine plywood
Secondary mirror size	80 mm minor axis, true elliptical shape
Optical tube assembly (OTA)	Hard plastic 355 mm, ht. 1220 mm, 23.8 kgs, lined with 'light eater' black foam
Dobsonian Mounting	
Rocker box	Height = 475 mm, width = 422 mm
Weight of mount	8.2 Kg
Eyepiece height at zenith	1215 mm
Full height of telescopes	1350 mm
Teflon side bearing, ground board	25 x 35 x 5 mm, 4 pieces, 25 x 25 x 5 mm, 4 pieces
Side bearing diameter	320 mm
Weight of assembled telescope	32 Kg
Shipping weight and dimensions	Carton No. 1, OTA - 32 Kg, 1290 x 565 x 485 mm Carton No. 2, Mount - 15 kg, 585 x 480 x 480 mm
What's in the Box Supplied Accessories	Red Circle Finder Crayford focuser (1.25" & 2" standards) 25mm Plössl Eyepiece Alan key 'T' for collimation Dust covers for primary and secondary mirrors
Optional Accessories	Set of five eyepieces Laser collimator Finderscope - refractor type