



Aperture Telescopes

Manufacturing the Finest and the Largest Dobsonian Telescopes in India.
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6.3-inch Closed Tube Dobsonian Aperture Telescopes

Telescope Design	Dobsonian Mount (closed tube), Newtonian Optics
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	160 mm, 158 mm
Mirror edge thickness	19 mm
Mirror weight	400 grams
Mirror coating	Aluminium + SiO protective coating 92% reflectivity
Focal length, focal ratio	1300 mm, f/8
Mirror cell	3 point support cell
Mirror cell material	Marine plywood
Secondary mirror size	35 mm minor axis, true elliptical shape
Optical tube assembly (OTA)	Hard plastic 200 mm, ht. 1300mm, 9 kg, lined with 'light eater' black foam
Dobsonian Mounting	
Rocker box	Height = 750 mm, width = 300 mm
Weight of mount	8.3 Kg
Eyepiece height at zenith	1420 mm
Full height of telescopes	1524 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	190 mm
Weight of assembled telescope	17 Kg
Shipping weight and dimensions	22 Kg, 1537 x 470 x 470 mm
Supplied Accessories	Red Circle Finder Helical 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

