



# Aperture Telescopes

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

<b>Telescope Design</b>	Dobsonian Mount (closed tube), Newtonian Optics
Materials used	Waterproof marine ply, laminate, hard plastic solid tube
Finish	Weatherproof paint and laminate
<b>Primary Mirror</b>	
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
<b>Dobsonian Mounting</b>	
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
<b>Supplied Accessories</b>	Red Circle Finder Helical focuser (1.25", 2" standards) 25mm Plössl Eyepiece Alan key 'T' for collimation Dust covers for primary and secondary mirrors
<b>Optional Accessories</b>	Set of five eyepieces Laser collimator Finderscope, refractor type