



Aperture Telescopes

Manufacturing the Finest and the Largest Dobsonian Telescopes in India.
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8-Inch Closed Tube Aperture Telescope

8-inch Aperture Telescope Specifications

Telescope Design	Dobsonian Mount (closed tube), Newtonian Optics
Materials used	Water proof marine ply, laminate, hard plastic solid tube
Finish	Weatherproof paint and laminate
Primary Mirror	
Mirror maker	Aperture Telescopes, India
Mirror physical/optical diameter	200 mm / 196mm
Mirror edge thickness	25 mm
Mirror weight	2 kg
Mirror coating	Aluminium + SiO ₂ Protective coating 92% reflectivity
Focal length / focal ratio	1000 mm, f/5
Mirror Cell	3 point support cell
Mirror cell material	Marine Plywood
Secondary mirror size	50 mm minor axis
Optical tube assembly (OTA)	Hard Plastic 250 mm, Ht 1000 mm, 13.5 kg, lined with 'light eater' black foam
Dobsonian Mounting	
Rocker Box	Height = 510mm, Width = 310mm
Weight of mount	7.5 kg
Eyepiece height at zenith	1085 mm
Full height of telescope	1180 mm
Teflon Side bearing / Ground Board	15 x 15 x 5 mm, 4 pieces / 25 x 25 x 5 mm, 4 pieces
Side bearing diameter	240 mm
Weight of complete assembled telescope	~17 kg
Shipping weight & dimensions	~18 kg, 1220 x 400 x 400 mm
Supplied Accessories	Telrad Finder, Crayford Focuser for precise focus, 25mm Plössl Eyepiece (1.25"), Alan key 'T' for collimation Dust covers for primary and secondary mirrors
Optional Accessories	Set of five eyepieces, Laser collimator, Complete telescope cover for storage, Finderscope – refractor type