



Aperture Telescopes

Manufacturing the Finest and the Largest Dobsonian Telescopes in India.
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10-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 Telescope, India
Mirror physical / optical diameter	250 mm / 248mm
Mirror edge thickness	25 mm
Mirror weight	3 kg
Mirror coating	Aluminium + SiO2 Protective coating 92% reflectivity
Focal length / focal ratio	1250 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 315 mm, Ht 1200 mm, 18.5 kg, lined with 'light eater' foam
Dobsonian Mounting	
Rocker Box	Height = 590, Width = 375
Weight of mount	9.5 kg
Eyepiece height at zenith	1285 mm
Full height of telescope	1380 mm
Side bearing Teflon	15 x 15 x 5mm, 4 pieces
Ground board Teflon	25 x 25 x 5mm, 4 pieces
Side bearing diameter	276 mm
Weight of assembled telescope	22 kg
Shipping weight & dimensions	33 kg, 1340 mm x 500 mm x 450 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	<i>Set of five eyepieces, Laser collimator, Complete telescope cover for storage, Finderscope - refractor type</i>