



Aperture Telescopes

Manufacturing the Finest and the Largest Dobsonian Telescopes in India.
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12-inch Truss Tube Dobsonian Aperture Telescope Specifications

Telescope Design	Truss Tube Collapsible Dobsonian
Materials used	Stainless Steel, Water proof marine ply, Veneer, laminate
Finish	Hard PU clear weatherproof paint
Primary Mirror	
Mirror maker	Aperture Telescopes, India
Mirror physical / optical diameter	303 mm / 300 mm
Mirror edge thickness	35 mm
Mirror weight	6.5 kg
Mirror coating	Aluminium + SiO ₂ Protective coating 92% reflectivity
Focal length / focal ratio	1505 mm, f/5
Mirror Cell	9 point flotation cell
Mirror cell material	Stainless Steel (304 grade)
Secondary mirror size	65 mm minor axis
Upper tube assembly (UTA)	Dia 422 mm, Height 304 mm, 4.4 kg, covered with light eater black foam
Lower tube assembly (LTA)	Height. = 600 mm, Width = 565mm
Dobsonian Mounting	
Weight of Rocker box + mirror box	27 kg, weight to be lifted at wheelbarrow handle end – 8.8 kg
Wheelbarrow length	1530 mm
Eyepiece height at zenith	1450 mm
Full height of telescope	1608 mm
Truss tubes length, dia., thickness, wt	880 mm, 32 mm, 1.3 mm, 2.5 kg, all 8 tubes
Teflon Side bearing / Ground Board	32 x 32 x 5mm, 4 pieces / 50 x 50 x 5mm, 4 pieces
Side bearing diameter	390 mm
Rocker box wall thickness	28 mm
Wheel barrow additional thickness	Add 180 mm both sides, 360 mm
Shroud	Opaque two way stretchable lycra
What's in the box?	Telrad Finder, Crayford Focuser dual speed. 25mm Plössl Eyepiece (1.25"), Alan key 'T' for collimation Dust covers for primary and secondary mirrors, Wheelbarrow handles Shroud
Optional Accessories	<i>Set of five eyepieces, Laser collimator, Complete telescope cover for storage, Finderscope – refractor type</i>