



# Aperture Telescopes

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

<b>Telescope Design</b>	Truss Tube Collapsible Dobsonian
Materials used	Stainless Steel, Water proof marine ply, Veneer, laminate
Finish	Hard PU clear weatherproof paint
<b>Primary Mirror</b>	
Mirror maker	Aperture Telescopes, India
Mirror physical / optical diameter	406 mm / 400mm
Mirror edge thickness	25 mm
Mirror weight	11 kg
Mirror coating	Aluminium + SiO <sub>2</sub> Protective coating 92% reflectivity
Focal length / focal ratio	1800 mm, f/4.5
Mirror Cell	18 point flotation cell
Mirror cell material	Stainless Steel (304 grade)
Secondary mirror size	80 mm minor axis
Upper tube assembly (UTA)	Dia 511 mm, Height 290 mm, 4.4 kg, covered with light eater black foam
Lower tube assembly (LTA)	Height. = 600 mm, Width = 565mm
<b>Dobsonian Mounting</b>	
Weight of Rocker box + mirror box	27 kg, weight to be lifted at wheelbarrow handle end – 8.8 kg
Wheelbarrow length	1730 mm
Eyepiece height at zenith	1665 mm
Full height of telescope	1845 mm
Truss tubes length, dia., thickness, wt	1075 mm, 32 mm, 1.3 mm, 3.6 kg, all 8 tubes
Teflon Side bearing / Ground Board	32 x 32 x 15mm, 4 pieces / 50 x 50 x 5mm, 4 pieces
Side bearing diameter	515 mm
Rocker box wall thickness	32 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
<b>Optional Accessories</b>	<i>Set of five eyepieces, Binoviewer,          Laser collimator,          Complete telescope cover for storage,          Finderscope – refractor type</i>