

Technical Introduction

Al Shirawi-ATLAS, ASME 'U Part' 80 psi manways offers a high-quality, robust design able to meet the stringent requirements of the oil & gas industries. Whether it is for cement, barite, dry bulk or liquid, this manhole fills the requirements. Designed, constructed & certified as per BPVC ASME SEC VIII Div-1, for use in Non-Lethal pressure vessels which are either 'U' stamped certified or not certified. Designed to meet your quick opening needs, facilitated by a cam lever it can be opened by hand without the need of a wrench. The Aluminum alloy cover is designed & manufactured such that it is lightweight compared to steel, it can perfectly hold your vessel's pressure which is rated on manway. It is the optimum solution for quick operation of manway in pressure vessels where manway is required in all positions to suit your custom need.

Technical Specifications:

Manway part number 04TKX583A is a 20" cam-latch manhole equipped with a quick opening cast aluminum cover which has six number of cam lever lift handles. Six quick-operating aluminum cam locks attached to swing bolts are secured to the neck utilizing a double lug design which facilitates normal hexagonal bolt to be provided with help of a bush. The double lug design facilitates the easy replacement of fasteners in future.

Design Pressure		Test Pressure †	Design Temperature	
Internal	External		Minimum	Maximum
80 psi [0.551 MPa]	Not applicable	104 psi (minimum) 116 psi(Maximum)	-29° C	121° C

† Pressure testing is optional, manway can be supplied without pressure testing. Please specify if you need pressure testing.

Material Of Construction *						Neck (Collar) height	Neck (collar) diameter
Item code	Neck (Collar)	Lugs	Bolt	Cam lock lever	Cover		
04TKX583A	Carbon steel	Carbon steel	Carbon steel (Galvanized)	Carbon steel (Galvanized)	Aluminium alloy	8 inches (203 mm)	20 inches (508 mm)

* Alternate materials can be manufactured when there is a demand.