Quantum Hatch NBS spec

* **Specification**
* **L20** Doors/Shutters/Hatches
* **Manufacturer**
* M.R. Site Services Ltd, Unit 6,
* Worcester Trading Estate,
* Blackpole Road,
* Worcester. England.
* United Kingdom
* WR3 8HR.
* International dialling code 0044
* Tel.01905 755055 Fax.01905 755053
* E-mail: [welding@mrsiteserivces.co.uk](mailto:welding@mrsiteserivces.co.uk)   
   Internet: [www.mrsiteservices.co.uk](http://www.mrsiteservices.co.uk/)
* **- Brand**
* Quantum access hatch Systems
* **- Size**
* Standard, and bespoke sizes available
* **- Material**
* Mill finish Aluminium H1040 - 6082 T6.
* **- Fabrication**
* In accordance with BS EN ISO 9001;2008.
* **-** Plate bearing strength Pbs = **475** N/mm2
* Shear capacity Ps\_bolt = Psb × π × (Dbolt/2)2 = **24.4** kN
* **- Hinge**
* Use a 10mm shouldered bolt class 70 stainless steel with a
* 5mm grade 316 stainless steel plate
* BS 8118: Part 1: 1991; BS 8118: Part 2: 1991; BS EN 516: 2006
* **- Usage**
* The Quantum access hatch is designed for roofing systems,
* however they can be used in any situation.
* **- Weight example**
* A standard 900mm x 900mm Quantum hatch weighs
* approximately 36Kg Unpackaged.
* **- Element Description Code**
* Loadings Dead Loads BS648:1964
* Live Loads BS6399:Part 1:1996
* Materials Structural use of aluminium BS8118: Part 1:1991