

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@mrsiteservices.co.uk
 - Internet: 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;2015
 - - Plate bearing strength $P_{bs} = 475 \text{ N/mm}^2$
 - Shear capacity $P_{s_bolt} = P_{sb} \times \pi \times (D_{bolt}/2)^2 = 24.4 \text{ kN}$
- - **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