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**Ref: Steel Windows Multipoint Handle (Straight, MP2700) Test – August 2009**

1<sup>st</sup> tests carried out with “standard” spindle –

**Test 1**

Held 39kg Broke 42.5kg

**Test2**

Held 45kg broke 55kg

**Test 3**

“Upside down”

Held 50kg broke 53kg

2<sup>nd</sup> tests carried out with revised longer spindle

**Test 1**

Held 50 kg for 1min then broke

**Test 2**

Held 50kg for 1min broke 57kg

**Test 3**

With screw in handle tightened onto spindle.

50kg held for 1 min broke 60kg

**Test 4**

Rotation of handle against a stop

Held 42kg handle rotated and weight dropped off so test stopped.

Handle still intact.