

## TEST HOUSE CERTIFICATE

<b>CLIENT:</b>	Access Technologies Limited Springhill Works Aston Street Shifnal Shropshire TF11 9PP	<b>CERTIFICATE NUMBER</b>	SJ613239-001 Issue 1
		<b>PROJECT NUMBER</b>	SJ613239/GDS
		<b>CLIENT'S ORDER NUMBER</b>	Access Technologies/Beam Clamp Letter of quote acceptance (D.Townend), 13.09.04.

**INCOMING RELEASE NOTE** Not Released

**DATE OF RECEIPT** 13 September 2004

**TEST ITEM(S)** "Floorfix" Beam Clamps

**NUMBER OF ITEMS TESTED** 4 of each size

**SERIAL NUMBER(S)** Not serialised

**MODEL / PART NUMBER(S)** Three sizes as follows: M12, M10 & M8.

**TEST SPECIFICATION / ISSUE** Generally iaw IEC 68-2-6:1995 Test Fc Annex c Table C.2 (General Industrial Use)

**DATE OF TEST** 13 September 2004

**TEST(S) APPLIED** Vibration Endurance (Security of Fastenings)

The beam clamp comprises a revolving helical cam mounted onto a standard metric countersink screw. The clamp was used to fasten "durbar" steel deck plate, one clamp at each corner of the plate, between two parallel rails. Deck plate fastened with M12 beam clamps was subjected to swept sine vibration in the vertical axis and cross-rail horizontal axis. Deck plate fastened with M10 and M8 beam clamps were tested in the vertical axis only. The customer representative reported that M12 clamps were tightened to 20 Nm (horizontal), and 30 Nm (vertical), and the M8 and M10 clamps were tightened to 20 Nm.

10 Hz to 40 Hz	at $\pm 0.15$ mm peak displacement
40 Hz to 150 Hz	at $\pm 1 g_n$ peak acceleration
Sweep rate:	1 octave per minute.
Duration (M8 & M10):	2 sweep cycles (10 Hz-150 Hz-10Hz) in the vertical axis only (approximately 16 minutes).
Duration (M12):	Horizontal axis; 2 sweep cycles (approx. 16 mins). Vertical axis; 3 sweep cycles (approx. 24 mins).

**RESULT(S) OF TEST** No damage or detrimental effects were observed and the fasteners remained secure throughout the test.

Approved by .....  .....

Date . 20<sup>th</sup> September 2004

D H Grace  
UKAS Signatory

