

Title:	Euro Tower Crimped Joints
Priority	Green – Conforms
Legislation:	PUWER, Work @ Height, HASWA s6
Brief Description:	Euro Tower scaffolds use a crimped joint on braces and frames and part of this manufacturing process can lead to small radial fissures on the tubes at the crimps. This is not damage or a sign of degradation of the component.
Equipment Affected:	Euro Tower Scaffold frames / braces manufactured with crimped joints / connections

During recent training, scaffold components were being inspected. This is part of the ServiceTech Module 3 – Non-Mechanical training course and candidates identified a number of braces and frames with what appeared to be small radial fissures / fractures / cracks at crimped joints.

As per page two of this bulletin, the manufacturer has identified that this is a common occurrence as a result of this type of mechanically pressed joint. It does not impede the strength or performance of the joint and following independent tests, those braces with visible fracturing as per the images below actually performed better than ones where no fracture occurs.

Lateral fractures and any other cracks should of course be further investigated and the components quarantined until repair or disposal is arranged.

1 – Brace - Conforms Three radial cracks visible	2 – Brace - Conforms Radial crack near root of crimp	3 – Frame - Conforms Radial cracks at crimp
4 – New Brace Unused brace – radial crack	5 – Frame Weld Cracked Non-conformance - quarantine	6 – Frame Weld Cracked Non-conformance - quarantine

Recommended Actions:	<ul style="list-style-type: none"> • Ensure scaffold is subject to post hire inspection to enable it to be segregated for repair or disposal and damage charged to client • Review this bulletin with hire team if you carry Euro Tower products with crimped joints • Provide scaffold inspection poster to hire team either from manufacturer or directly from PASMA: https://pasma.co.uk/online-shop/products/inspection-poster-available-in-packs-of-10/
Circulation:	Management / Workshop Teams



EURO TOWERS LTD
UK Manufacturer of Aluminium Access Equipment

Unit 5
Edgemoor Close
Round Spinney
Northampton
NN3 8RG

T: 01604 644774
F: 01604 499544
E: sales@eurotowers.co.uk
W: www.eurotowers.co.uk

RAV

To whom it may concern.

Information with regard to various creases, cuts, marks on the crimps of Euro Towers Ltd. equipment, particularly tower uprights and the brace hooks.

The cuts that can sometimes occur around the crimping area are a part of the crimping process itself,

Aluminium access products have used crimping in the manufacturing process for over 40 years and all major manufacturers use this process in their products.

During the crimping process a cut can sometimes occur on the lip of the crimp, this is a natural occurrence of the crimping process itself. As the metal is pressed into the indentation of the casting the material is stretched over the lip of the indent which can cause a cut in the metal.

All of our equipment with this type of marking around the crimp is perfectly safe to use.

Tests have proven that crimping is a far stronger method than welding, the crimps are regularly tested for strength and loading and can withstand pressures of between 5 ton (49.03326 Kilonewtons) and 6.2 ton (60.8012) Kilonewtons)

Roger Verallo
Managing Director

Title:	Euro Tower Scaffold Crimp Joints	Bulletin Number:	33 - 2017	Creation Date:	09/03/2017
Authors:	TfH Ltd	Reviewed by:		Revision:	V1.0