

# PG1:18

## Purchasing guidelines for: EN 39:2001 Tube (4.0 mm)



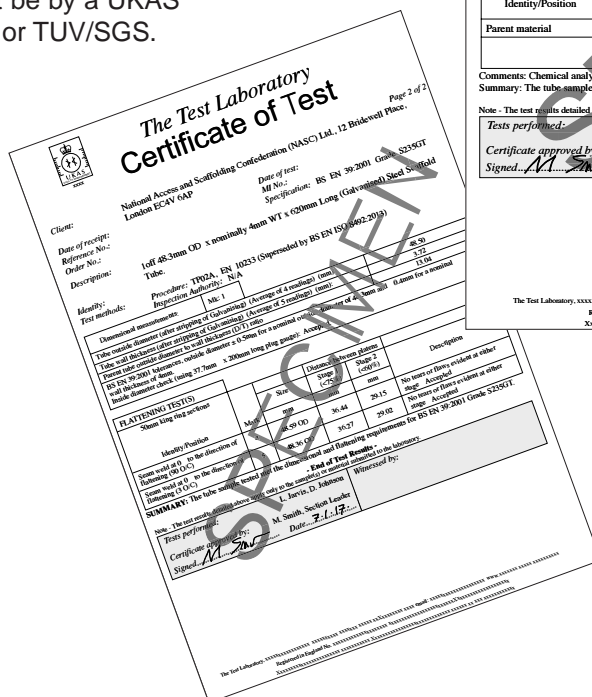
### INTRODUCTION

The purpose of this guidance note is to detail best purchasing practice for EN 39:2001 4.0mm scaffold tube. If the tube is sourced from an NASC compliant company, as demonstrated by the NASC CoP assessment report, then no further action is required, other than a visual inspection of your supplier's certificate of product compliance with the NASC CoP product audit (a list of suppliers and products may be found on the NASC website). If the tube is not sourced from an NASC compliant company, then the guidelines below should be followed.

### TEST DATA

Test data is the criteria to which the product is independently tested as seen on the test report example opposite, & should consist of:

- Annual testing should be on EN 39 tube for all suppliers/manufacturers, as follows:
- Chemical analysis.
- Mechanical analysis.
- Outside diameter & wall thickness dimension.
- Flattening test
- Annual tests must be by a UKAS accredited facility or TUV/SGS.



*The Test Laboratory*  
**Certificate of Test**

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Client: National Access and Scaffolding Confederation (NASC) Ltd., 12 Bridewell Place, London EC4V 6AP

Date of receipt: Reference No.: Order No.: Description: Identity: Test methods:

Date of test: MI No.: Specification: BS EN 39:2001 Grade S235GT Tube.

1off 48.3mm OD x nominally 4mm WT x 620mm Long (Galvanised) Steel Scaffold Tube.

Procedure: TP01c-1, BS EN ISO 6892-1:2016 Method A, OES-MAXI 6, Fusion. Inspection Authority: N/A

TENSILE TEST(S)		Test machine calibrated to class 1.0 requirements of BS EN ISO 7560-1:2004										
Identity/Position	Mark	Dimensions			Yield strength		Tensile strength		Elongation		EI	RA
		Size	CSA	GL	Load	Stress	Load	Stress	%	%		
Longitudinal tensile free tube	2	12.43 x 3.78	46.99	75.2	7.30	558	19.49	419	27.0	-	-	
Fracture Description		Clean fracture										

Comments: Extensionmeter number E95053, calibrated to BS EN ISO 9513 20:2 class 0.5, was used for these tests. Note: The thickness measurement for Mk 2 includes the galvanised coating. The straining rate up to 3% strain was 0.25%/sec; After 3% the speed increased to a crosshead displacement rate of 2.50 mm/min.

Identity/Position	Element %							
	C	Si	Mn	P	S	Cr	Mo	Ni
Parent material	0.03	0.02	0.15	0.024	0.009	0.01	<0.01	0.01
	Al	Ti	Nb	v	N	Nb	Pb	Sa
	0.031	<0.01	<0.01	<0.01	0.0035	-	-	-

Comments: Chemical analysis carried out under the cover of UKAS Testing No. 0136 Summary: The tube sample tested met the tensile and chemical requirements for BS EN 39:2001 Grade S235GT.

**End of Test Results -**  
Note - The test results detailed above apply only to the sample(s) or material submitted to the laboratory.

Test performed by: L. Jarvis, D. Johnson Witnessed by:

Certificate approved by: M. Smith, Section Leader  
Signed: M. Smith Date: 7.1.17

