

DECLARATION OF PERFORMANCE

TN-01-16

Type:	Laser cutting
Intended Use:	Structural metallic construction components intended for use in steel structures or composite steel and concrete structures where the components can be made from hot rolled, cold-formed or with other technologies - sections/profiles with various shapes, flat products (plates, sheets, strip), bars, castings, forgings made of steel materials
Manufacturer:	Barrett Steel Tubes North Limited Brigg Road Scunthorpe North Lincs DN16 1BB
System of assessment and verification of constancy of performance:	System 2+
Notified Body:	Steel Construction Certification Scheme 4, Whitehall Court, Westminster London SW1A 2ES
Notified Body No:	2273
Execution Class	Approved up to and including EXC4.
Steel Construction Certificate Scheme has performed:- (i) An initial inspection of the manufacturing plant & factory product control and (ii) Continuous surveillance, assessment and evaluation of factory production control and issued Factory Control Certificate 2273-CPR-0052.	

Essential Characteristics	Performance	Harmonised technical specification
Tolerances on dimensions and shape	EN 1090-2	EN 1090-1:2009+A1:2011
Weldability	EN 10025-2: S235, S275, S355 EN 10210-1/EN 10219-1: S235, S275, S355, S420, S460	EN 1090-1:2009+A1:2011
Fracture toughness/impact resistance	EN10025-2/EN10210-1/EN 10219-1: JR(H) 27J @ 20°C JO(H) 27J @ 0°C J2(H) 27J @ -20°C K2(H) 40J @ -20°C NH, NLH, MH, MLH 40J @ -20°C & 27J @ -50°C	EN 1090-1:2009+A1:2011
Load bearing capacity	NPD	EN 1090-1:2009+A1:2011
Fatigue strength	NPD	EN 1090-1:2009+A1:2011
Resistance to fire	NPD	EN 1090-1:2009+A1:2011
Reaction to fire	Class A1 (steel only)	EN 1090-1:2009+A1:2011
Release of cadmium and its compounds	NPD	EN 1090-1:2009+A1:2011
Radioactivity	NPD	EN 1090-1:2009+A1:2011
Durability	EN 10025-2: S235, S275, S355 EN 10210-1/EN 10219-1: S235, S275, S355, S420, S460	EN 1090-1:2009+A1:2011

The performance of the type of product identified above is in conformity with the declared performance identified in the table.

Signed for and on behalf of the manufacturer.



Mel Bray
Director, Integrated Management Systems

