

Declaration of Performance

(according to Regulation EU No 305/2011)

Ref. TST-LCHS-CF355-J2H

**Cold formed circular hollow sections
In submerged arc welded tube $\geq 406.4\text{mm}$ OD
produced from non-alloy steel
Grade S355J2H / 1.0576 according EN 10219-1**

For use in structural fabrications in accordance with EN 1090,
when supplied with 3.1 certification to EN 10204 containing
product identification details.

Tata Steel UK Limited
Tubes Europe
PO Box 101, Weldon Road
Corby, NN17 5UA
Tel: +44 (0)1536 402121
Website : www.tatasteeleurope.com

System of assessment and verification of constancy of
performance of the product
System 2+

Notified factory production control certification body No. 0120
performed the initial inspection of the manufacturing plant and of
factory production control and the continuous surveillance,
assessment and issued the certificate of conformity of the factory
production control

Notified Body:

SGS United Kingdom Limited
Unit 202B, Worle Parkway,
Weston-super-Mare, Somerset, BS22 6WA
Country : United Kingdom
Phone : +44 (0)1934 522917
Email : sgsprodcert@sgs.com
Website : www.uk.sgs.com



| Essential characteristic | Performance | | Harmonised technical specification |
|------------------------------------|---|---|------------------------------------|
| Tolerances on dimensions and shape | Round, square, rectangular and elliptical hollow sections | In accordance with EN 10219-2: 2006 | EN10219-1 2006 |
| Yield strength | Nominal thickness (mm) | Values min (MPa) | |
| | > | <= | |
| | 16 | 40 | |
| Tensile strength | Nominal thickness (mm) | Values (MPa) | |
| | >= | < | |
| | 3 | 40 | |
| Elongation | Nominal thickness (mm) | Values min (%) | |
| | > | <= | |
| | 40 | 20 (18 for D/T <15) | |
| Impact strength (longitudinal) | Grade | Impact Value (J) at Test Temp (°C) | |
| | J2H | <=40 | |
| Weldability (CEV) | Nominal thickness (mm) | Values max (%) | EN10219-1 2006 |
| | > | <= | |
| | 40 | 0.45 | |
| Durability | Nominal thickness (mm) | Composition (cast) (max. unless otherwise shown) | |
| | <=40 | C: 0.22 Si: 0.55 Mn: 1.60 P: 0.030 S: 0.030 | |
| | | FF deoxidation* | |
| | | Durability is also dependent on any method of protection subsequently applied and the type and thickness of the coating | |

Notes: *FF – Fully killed steel containing nitrogen binding elements



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EN 10219-1: 2006

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Information on regulated characteristics in accordance with
EN10219 for:

Elongation :
Tensile Strength :
Yield Strength :
Impact Strength :
Weldability :
Durability :

Dangerous Substances : No Performance Determined