



INSPECTION CERTIFICATE acc to  
EN 10 204 3.1

Processkontroll Items AB  
Box 2088  
444 02 STORA HÖGA  
SWEDEN

INSPECTION STAMP  
QA-TUBE

Customer References		Sandvik References		
750477	Customer order 2014-05-15	Order No. 369978	Subs No. 571777	ABSMT Dispatch note 23864/54
003-00991	ITEMS	ABSMT No. 300-13828	C.Code 46	

Material description	Steel/material Designations
SEAMLESS STAINLESS COLD FINISHED HYDRAULIC TUBING	Sandvik SS 3R60 2353
<b>Steel making process</b> Electric furnace	

Technical requirements
SS 219713 Condition No -24

EXTENT OF DELIVERY						
It	Product designation	Heat	Lot	Pieces	Kg	M
01	THT-3R60-6-1 6.00 X 1.00	538648	28040	20	15.0	120.00
				Total	20	15.0 120.00

TEST RESULTS								
Chemical composition (weight%)								
Heat	C	Si	Mn	P	S	Cr	Ni	Mo
538648	0.016	0.38	1.61	0.030	0.008	17.32	13.12	2.53
		N						
538648	0.036							

Tensile test at room temperature					
Lot	Yield strength		Tensile strength		Elongation
	MPa	MPa	MPa		%
28040	Rp0.2	Rp1.0	Rm	A	
	278	322	562	62	

**Following controls/tests have been satisfactorily performed:**  
- Flattening test.  
- PMI-test.  
- Intergranular corrosion test acc. to EN ISO3651-2, Method A.

**Quality assurance - Lars-Åke Bergqvist / QA-manager**  
**MTC Service / Certificates**



- Leak test: Eddy current test acc to SS 114301/114305 E1
- Visual inspection and dimensional control.

**Heat Treatment:**

Solution annealed and quenched.

The raw material is free from radioactive contamination.

Material free from mercury contamination.

The number of tests are based on the size of the manufacturing lot before cutting to finished lengths.

The delivered products comply with the specifications and requirements of the order.

The material is manufactured according to a Quality system, approved and registered to ISO 9001:2008.

No unauthorized alterations. The contents of this Inspection Certificate may not be modified or revised in any way without the prior written approval of AB Sandvik Materials Technology. Unauthorized alterations to the Inspection Certificate, including introduction of false, fictitious or fraudulent statements or entries, may be punishable by fines, imprisonment, or both. This Inspection Certificate may be copied only in the manner and for the purposes specified in Section 6 of EN 10204:2004. Contravention of this notice will be prosecuted to the fullest extent of applicable law.

The certificate is produced with EDP and valid without signature.