



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		
751734	Customer order 2015-04-10	Order No. 401936	Subs No. 589114	ABSMT Dispatch note 45201/54
003-00991	ITEMS	ABSMT No. 300-28403	C.Code 46	

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

Technical requirements
SS 219713 Condition No -24

EXTENT OF DELIVERY									
It	Product designation	Heat	Lot	Pieces	Kg	M			
01	THT-3R60-8-1.5 8.00 X 1.50	048075	36911	24	34.0	144.00			
				Total	24	34.0 144.00			
KEY TO HEAT									
Heat Code	Heat No.								
048075	539618								
TEST RESULTS									
Chemical composition (weight%)									
Heat	C	Si	Mn	P	S	Cr	Ni	Mo	
048075	0.018	0.42	1.63	0.031	0.0110	17.36	13.14	2.52	
	N								
048075	0.035								
Tensile test at room temperature									
Lot	Yield strength		Tensile strength		Elongation				
	MPa	MPa	MPa	MPa	%				
Lot	Rp0.2	Rp1.0	Rm	A					
36911	286	324	564	53					

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

**Following controls/tests have been satisfactorily performed:**

- Flattening test.
- PMI-test.
- Intergranular corrosion test acc. to EN ISO3651-2, Method A.
- 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.

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