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1408888

A01, A05  
Manufacturer: TRINECKÉ ŽELEZÁRNY, a.s. /Průmyslová 1000 /Staré Město /739 61 Třinec /Czech Republic  
Production mill : VT - VALCOVNA TRUB / Vystavní 1132 / 706 02 Ostrava - Vítkovice / Czech Republic

A07 Purchaser's order No.:	A08 Works order No/ Contract No.:	A08 Consignee:
011784-A	9700226866 0041289198 / 176	
A10 Advice-Note No.:		
14/06/000189/01 02.06.2014		
A02 Type of inspection document:		
Inspection certificate 3.1, EN 10204:2004		

B01, B08-B11 Product, product dimensions, specification	B08, B13 Quantity	B02.1 Steel designation	B02.2 Product / Dimensional standard
Seamless Steel Line Pipes Hot Rolled 10.750 In x 0.365 In	25 pcs 1000.92 ft 19145 kgs	X52/PSL1 B/PSL1 Gr.C Gr.B Gr.B Gr.1/Gr.8	API SPEC 5L 45. EDITION API SPEC 5L 45. EDITION ASTM A108/A108M 11/2011 ASTM A108/A108M 11/2011 ASTM A53/A53M 10/2010 ASTM A333/A333M 04/2011  ASME B36.10 10/2004

B04 Product delivery condition:  
normalized

B03 Supplementary requirements:  
ASME SA53/SA53M 2010 EDITION/2011 ADDENDA, ASME SA108/SA108M 2010 EDITION/2011 ADDENDA,  
ASME SA333/SA333M 2010 EDITION/2011 ADDENDA  
Bevelled ends 30-35°, root facet 1,6mm +0,8mm

Requirements :

B07.1 Heat No.	B07.2 Specimen No.	C10 Specimen shape	C11 Yield Strength R <sub>0.2</sub> psi	C12 Tensile Strength R <sub>m</sub> psi	C13 Elongation Z %	C14 Reduction of area Z %
			min 62200	min 70000	min 35	
		C02 Specimen direction: L	C03 Test temperature(°F): 70	C15 Test method:	ASTM A570	
T13785	26028/P	P	62801	81221	43.6	-
T13785	26061/P	P	54099	78481	40.4	-
T13810	26018/P	P	60320	78766	40.4	-
T13810	26019/P	P	55840	75855	39.8	-
T14246	26065/P	P	62221	81366	41.4	-
T14246	26066/P	P	58740	78030	41.6	-

\* P - Flat specimen

Z01  
ALL PRODUCTS MEET REQUIREMENTS OF ABOVE MENTIONED STANDARDS AND REQUIREMENTS SPECIFIED IN ORDER  
THE DECLARATION IS ISSUED UNDER THE SOLE RESPONSIBILITY OF THE SUPPLIER

Z02 Confirmed: Maria Uhrová, Ing.,  
Head of Attestation, Releasing and External Inspection VT, Independent authorized agent



TRINECKÉ ŽELEZÁRNY, a.s.  
Průmyslová 1000, Staré Město  
739 61 Třinec 131

Z02

Ostrava-Vitkovice :  
04.06.2014

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Z03 Independent authorized agent



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A01, A05  
Manufacturer: TRINECKÉ ŽELEZÁRNY, a.s. / Průmyslová 1000 / Staré Město / 739 61 Třinec / Czech Republic  
Production mill: VT - VALCOVNA TRUB / Vytavní 1132 / 708 02 Ostrava - Vítkovice / Czech Republic

K - Round specimen																	
B07.1 Heat No.	B07.2 Specimen No.	C40 Impact test KV ftlb				C44 Lateral expansion mm				C45 Shear fracture area %							
		C41 0.285in x 0.384in															
		C02 Specimen direction: L				C03 Test temperature(°F): -55				C46 Test method: ASTM A370							
		C42 Individual values		C43 Mean value		C44.1 Individual values		C44.2 Mean value		C45.1 Individual values		C45.2 Mean value					
T13785	28028/P	125	133	134	131												
T13810	28018/P	143	145	157	148												
T14248	28085/P	134	151	143	142												
B07.1 Heat No.	B07.2 Specimen No.	C30 Hardness HBW NACE MR0175-2008/NACE MR0103-2012 max 237															
		C33 Test method: ISO 6508-1															
		C31 Individual values		C32 Mean value													
T13785	28028/P	159	152	158	158												
T13810	28018/P	158	153	154	155												
T14248	28085/P	160	158	158	159												
C70 Steelmaking process: Basic oxygen furnace																	
C71-C82 Heat chemical analysis in %: Ceq max.: 0.43																	
B07.1 Heat No.	C	Mn	Si	P	S	Cu	Ni	Cr	Mo	V	Ti	Al	Nb	Bi	Coq		
T13785	0.17	1.18	0.19	0.018	0.007	0.02	0.02	0.18	0.007	0.033	0.001	0.034	0.001	0.0004	0.41		
T13810	0.16	1.18	0.20	0.014	0.008	0.04	0.02	0.18	0.008	0.037	0.001	0.030	0.001	0.0003	0.40		
T14248	0.17	1.18	0.19	0.018	0.008	0.03	0.04	0.20	0.011	0.038	0.001	0.028	0.001	0.0004	0.42		
Product chemical analysis in %: Ceq max.: 0.43																	
B07.1 Heat No.	B07.2 Specimen No.	C	Mn	Si	P	S	Cu	Ni	Cr	Mo	V	Ti	Al	Nb	Bi	Coq	
T13785	28028/P	0.18	1.13	0.19	0.014	0.008	0.02	0.02	0.18	0.008	0.033	0.001	0.033	0.001	0.0004	0.41	
T13785	28030/P	0.18	1.14	0.19	0.014	0.008	0.02	0.02	0.18	0.008	0.034	0.001	0.031	0.001	0.0003	0.42	
T13810	28018/P	0.17	1.16	0.19	0.014	0.008	0.04	0.02	0.19	0.008	0.037	0.001	0.028	0.001	0.0003	0.41	
T13810	28018/P	0.17	1.14	0.19	0.013	0.003	0.04	0.02	0.18	0.008	0.038	0.001	0.029	0.001	0.0003	0.41	
T14248	28085/P	0.18	1.15	0.19	0.017	0.005	0.04	0.04	0.20	0.010	0.038	0.001	0.027	0.001	0.0006	0.43	
T14248	28086/P	0.18	1.14	0.19	0.017	0.005	0.03	0.04	0.19	0.011	0.038	0.001	0.027	0.001	0.0005	0.42	
C80, D01, D02, D01 Other requirements: Visual and dimensional inspection																	
																- satisfactory	

Z02 Confirmed: Maria Uhrová, Ing.,  
Head of Assessment, Releasing and External Inspection VT, Independent authorized agent



Z02

Ostrava-Vítkovice:  
04.08.2014

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Z03 Independent authorized agent

A04 Manufacturer's mark



**TŘINECKÉ ŽELEZÁŘNY**  
**MORAVIA STEEL**

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A01, A05

Manufacturer: TŘINECKÉ ŽELEZÁŘNY, a.s. /Průmyslová 1000 /Staré Město /739 01 Třinec /Czech Republic  
Production mill : VT - VÁLCOVNA TRUB / Výstavní 1132 / 706 02 Ostrava - Vítkovice / Czech Republic

Flattening test	ASTM A 530/A 899	- satisfactory
Hydrostatic test - test pressure	2970 psi/5s	- satisfactory
Residual magnetism	API 5L	- satisfactory

B15 Supplementary information:

Heat No.: T13785 - 11 pcs, 438.70 ft, 8358 kgs  
Tube No.: 26060,26064,26053,26056,26051,26057,26046,26049,26038,26050,26047

Heat No.: T13810 - 7 pcs, 263.30 ft, 5471 kgs  
Tube No.: 26021,26018,26026,26022,26027,26023,26026

Heat No.: T14246 - 7 pcs, 276.92 ft, 5318 kgs  
Tube No.: 26072,26073,26065,26071,26068,26070,26069

The tubes are free of mercury contamination and no weld repair was performed.

The hardness test values in HBW conform to the request max. 22 HRC (max. 237 HBW).

Width of gauge length of the tension test specimen at a room temperature - 1.5 in.

Data mentioned in USC Units were converted from SI Units.

Appendix: Heat treatment report.

Z02 Confirmed: Maria Uhrová, Ing.,  
Head of Attestation, Releasing and External Inspection VT, Independent authorized agent



**TŘINECKÉ ŽELEZÁŘNY, a.s.**  
Průmyslová 1000, Staré Město  
739 01 Třinec 131

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