



**STAHLWERK  
THÜRINGEN**

A03 Certificate No. 2368/1-2013 1/3  
Advice No. A130125003

A02 Test Report  
according to ASTM A6



A01 Stahlwerk Thüringen GmbH  
A05 Quality Assurance Department  
Kronacher Straße 6  
07333 Unterwellenborn  
Germany

A04 Ferre Barniedo S.A. de C.V.  
A06 Col. san Cristóbal  
Av. Revolucion N°81  
55024 Ecatepec  
MEXICO

A08 Our Order No.: 203352502  
A07 Your Order No.: #6500349

B02 Quality: A36/A572 DUAL  
according to: PRODUCED TO ASTM A36  
AND ASTM A572 GRADE 50

48671

Pos.	Heat No.	Dimension	Length	Pieces	Theoretical Weight
A10	B01	B01	B09	B08	B12
001	29729	C 10X15,3	480 in	162	44 973 kg
001	29752	C 10X15,3	480 in	169	46 916 kg
001	29752	C 10X15,3	480 in	18	4 997 kg
002	29735	C 10X20,7	480 in	40	14 516 kg
002	29736	C 10X20,7	480 in	110	39 919 kg
003	29732	C 10X25	480 in	60	27 216 kg
003	29733	C 10X25	480 in	50	22 680 kg
004	29729	C 10X30	480 in	21	11 430 kg
004	29730	C 10X30	480 in	84	45 720 kg
004	29731	C 10X30	480 in	28	15 240 kg
005	29911	C 12X20,7	480 in	90	33 804 kg
005	29912	C 12X20,7	480 in	80	30 048 kg
005	29913	C 12X20,7	480 in	80	30 048 kg
005	29914	C 12X20,7	480 in	150	56 340 kg
005	29915	C 12X20,7	480 in	35	13 146 kg
006	29871	C 15X33,9	480 in	28	17 224 kg
006	29872	C 15X33,9	480 in	77	47 366 kg
006	29873	C 15X33,9	480 in	19	11 687 kg

Heat Analysis [%]									
Heat No.	C	Si	Mn	P	S	N	Nb		
B07	C71	C72	C73	C74	C75	C76	C77	C78	
max		0.40		0.040	0.050		0.050		
min					0.005		0.005		
29729	0.08	0.21	1.15	0.023	0.023	0.008	0.015	0.007	
29730	0.08	0.21	1.13	0.020	0.023	0.008	0.015	0.007	
29731	0.07	0.20	1.13	0.020	0.023	0.008	0.015	0.007	
29732	0.08	0.21	1.15	0.018	0.022	0.008	0.015	0.007	
29733	0.07	0.20	1.13	0.017	0.021	0.008	0.013	0.007	
29735	0.07	0.19	1.11	0.018	0.021	0.005	0.011	0.006	
29736	0.08	0.18	1.14	0.018	0.018	0.007	0.014	0.006	
29750	0.07	0.19	1.12	0.021	0.023	0.008	0.011	0.006	
29751	0.08	0.20	1.13	0.021	0.024	0.007	0.012	0.006	
29752	0.08	0.20	1.13	0.020	0.020	0.007	0.011	0.006	
29871	0.08	0.21	1.11	0.020	0.021	0.007	0.013	0.006	

Z03 Works inspector  
René Merbach

Z02 Jan 25, 2013

5826-1000 ORIGINAL DE NUESTROS ARCHIVOS  
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according to ASTM A6

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A05] Quality Assurance Department  
Kronacher Straße 6  
07333 Unterwellenborn  
Germany

A04] **SWT**  
A06] Ferre Barniedo S.A. de C.V.  
Col. san Cristóbal  
Av. Revolucion N°81  
55024 Ecatepec  
MEXICO

A08] Our Order No.: 2033525112  
A07] Your Order No.: # 6500549

B02] Quality: A36/A572 DUAL  
according to: PRODUCED TO ASTM A36  
AND ASTM A572 GRADE 50

Heat Analysis [%]								
Heat No.	C	Si	Mn	P	S	N	Nb	V
B07]	C71]	C72]	C73]	C74]	C75]	C76]	C77]	C78]
max		0.40		0.010	0.050		0.050	
min							0.005	
29872	0.08	0.20	1.10	0.022	0.024	0.009	0.015	0.006
29873	0.08	0.20	1.13	0.021	0.023	0.009	0.012	0.006
29911	0.08	0.20	1.14	0.021	0.023	0.008	0.015	0.006
29912	0.08	0.19	1.14	0.022	0.024	0.007	0.014	0.006
29913	0.08	0.19	1.14	0.021	0.022	0.007	0.014	0.006
29914	0.08	0.19	1.13	0.023	0.026	0.008	0.011	0.006
29915	0.08	0.20	1.14	0.028	0.025	0.008	0.012	0.007

Tensile test				
Heat No.	Yield stress [PSI]	Tensile strength [PSI]	Elongation 2 in [%]	Ys/Ts
B07]	C11]	C12]	C13]	C14]
max		80000	21.0	
min	50000	65000	34.3	
29729/1	55390	75110	34.3	0.74
29729/2	55390	72355	42.2	0.76
29730/1	54810	75110	33.0	0.73
29730/2	55680	72355	42.2	0.77
29731/1	53940	70180	30.4	0.77
29731/2	54810	72790	42.2	0.75
29732/1	53795	73225	35.6	0.73
29732/2	54955	72790	42.2	0.75
29733/1	52490	69890	37.0	0.75
29733/2	53795	72355	42.9	0.74
29735/1	54230	74095	40.0	0.73
29735/2	52780	71340	40.0	0.74
29736/1	53940	74965	35.6	0.72
29736/2	53505	72210	43.6	0.74
29750/1	50605	72355	31.7	0.70
29750/2	53940	71340	43.6	0.76
29751/1	51040	72065	34.3	0.71
29751/2	54665	72065	43.6	0.76
29752	51620	71775	30.4	0.72

Z03] Works inspector  
René Merbach  
  
Z02] Jan 25, 2013

ESTE ES UN ORIGINAL DE NUESTROS ARCHIVOS  
LA REMISION DE NUESTROS ARCHIVOS  
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