



STAHLWERK THÜRINGEN
Grupo Alfonso Gallardo

A03

Certificate No. 2103/10-2010

1 / 2

Advice No. A101025033

A02

Test Report

according to ASTM A6

A01

Stahlwerk Thüringen GmbH

A05

Quality Assurance Department
Kronacher Straße 6
07333 Unterwellenborn
Germany

A04

SWT

A06

Plesa Anahuac y Cias, S.A. de C.V.
Colonia San Francisco Chilpan
Av. Valle de las Alamedas N°66
54490 Tultitlan
MEXICO

A08

Our Order No.: 2017588110

A07

Your Order No.: e-mail 13.09.2010

B02

Quality: A992 DUAL
according to: ASTM A992 - ASTM A572 GR50
FINE GRAIN SILICON KILLED

Pos.	Heat No.	Dimension	Length	Pieces	Weight
A10	B07	B01	B09	B08	B13
001	85233	C 10X15,3	480 in	72	19 790 kg
001	85234	C 10X15,3	480 in	198	54 395 kg
001	85235	C 10X15,3	480 in	102	28 125 kg
002	85222	C 10X20	480 in	190	68 700 kg
002	85223	C 10X20	480 in	113	40 835 kg
003	85271	C 12X20,7	480 in	40	15 090 kg
003	85272	C 12X20,7	480 in	140	52 665 kg
003	85273	C 12X20,7	480 in	110	41 110 kg

Heat Analysis [%]

Heat No.	C	Si	Mn	P	S	N	Nb	V	Cr	Cu
B07	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80
max	0.23	0.40	1.50	0.035	0.045	0.012	0.050	0.110	0.35	0.60
min		0.10	0.50				0.005			
85222	0.07	0.21	1.18	0.026	0.026	0.010	0.015	0.005	0.13	0.40
85223	0.07	0.20	1.13	0.018	0.026	0.006	0.015	0.005	0.08	0.26
85233	0.09	0.20	1.11	0.018	0.021	0.007	0.020	0.005	0.08	0.39
85234	0.09	0.20	1.15	0.018	0.022	0.009	0.021	0.005	0.08	0.41
85235	0.08	0.20	1.15	0.022	0.030	0.010	0.017	0.006	0.11	0.32
85271	0.07	0.17	1.11	0.020	0.020	0.006	0.017	0.006	0.11	0.34
85272	0.07	0.20	1.13	0.018	0.026	0.006	0.015	0.005	0.08	0.26
85273	0.09	0.22	1.14	0.019	0.025	0.006	0.017	0.006	0.11	0.30

Heat Analysis [%]

Heat No.	Ni	Mo	CEV1	Sn
B07	C81	C82	C83	C83
max	0.45	0.15	0.46	
min				
85222	0.18	0.04	0.34	0.016
85223	0.16	0.04	0.31	0.022
85233	0.13	0.02	0.33	0.017
85234	0.14	0.03	0.34	0.020
85235	0.15	0.04	0.33	0.014
85271	0.14	0.04	0.31	0.015

Z03

Works inspector
Renate Schmidt

Z02

Oct 25, 2010



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Heat Analysis [%]

Heat No.	Ni	Mo	CEV1	Sn
[B07]	[C71]	[C72]	[C93]	[C73]
max	0.45	0.15	0.45	
min				
85272	0.16	0.04	0.31	0.022
85273	0.13	0.04	0.34	0.015

Tensile test

Heat No.	Yield stress [PSI]	Tensile strength [PSI]	Elongation 2 in [%]	Ys/Ts
[B07]	[C11]	[C12]	[C13]	[C14]
max	65000			0.85
min	50000	65000	21.0	
85222/1	50750	75400	34.3	0.67
85222/2	56840	73370	41.6	0.77
85223/1	50170	75835	35.6	0.66
85223/2	55245	73370	42.9	0.75
85233/1	51475	73515	35.6	0.70
85233/2	56695	73080	42.2	0.78
85234/1	52200	74530	37.0	0.70
85234/2	57420	73515	42.2	0.78
85235/1	54375	75980	38.3	0.72
85235/2	56260	73805	42.2	0.76
85271/1	52200	73225	40.9	0.71
85271/2	54375	73515	42.2	0.74
85272/1	52925	73660	37.0	0.72
85272/2	55245	73370	42.9	0.75
85273/1	54520	76850	37.0	0.71
85273/2	56115	73950	41.6	0.76

B14

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