



A01 STOMANA INDUSTRY S.A.  
1, Vladaysko Vastanie Str.  
2304, Pernik, BULGARIA



A03 INSPECTION CERTIFICATE : MX192450LOT5A

A02 Acc To : EN10204/3.1  
Date : 27.11.2019

A06 Customer : DUFERCO SA  
Consignee : SERVICIOS Y ALMACENES DE VERAC  
A07 Customer :  
B01 Product : Prime Hot Rolled Steel Plates  
ASTM A36-Carbon Steel/not alloy/  
ASTM A283GRC-Carbon Steel;  
B08 Total Nr of pieces : 731  
Total mass, kg : 1 633 259

A08 Order Nr : MX192450 LOT5A  
Lot Nr :  
Standard : ASTM A36/A283 GR C;ASTM A6

Dispatched in Wagon/Truck  
Destination : Mexico MX

ORIGIN BULGARIA/ MADE IN BULGARIA/DUFERCO

No	Plate	lot	Dimensions / Size			Dimensions / Size			Mass Weight	Heat Cast	Batch B-07	Steel		Mechanical properties															
			Thickness			B09 mm	B10 mm	B11 mm				B09 inch	B10 inch	B11 inch	Grade	Cond	Tested plate	Tension				Impact strength				Tension		Bend in cold	Hardness
			Cl.	Thick	Width													yield	tensile	Elong	Dir.	V - notch ( ISO - V )				Dir.	0.2% yield		
																		ReH	Rm	%	test	Temp	KV	Kv1	Kv2	Kv3	test		
No	No		Mpa	Mpa	%	°C	J	J	J	J	°C	Mpa	Mpa																
1	83880A0801	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
2	83880A0802	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
3	83880A0901	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
4	83880A0902	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
5	83880A0903	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
6	83880A1001	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
7	83880A1002	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
8	83880A1003	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
9	83880A1101	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
10	83880A1102	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
11	83880A1103	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
12	83880A1201	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
13	83880A1202	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
14	83880A1203	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
15	83880A1301	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
16	83880A1302	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
17	83880A1303	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
18	83880A1401	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
19	83880A1402	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
20	83880A1403	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
21	83880A1501	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
22	83880A1502	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
23	83880A1503	0	9.53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C	AR	83880A0201	366	502	24	T		0	0	0	0			0			
24	83989A0101	0	9.53	2438	6096	3/8	96	240	1 112	83989	83989A	A36/A283 GR C	AR	83989A0501	350	480	26	T		0	0	0	0			0			
25	83989A0102	0	9.53	2438	6096	3/8	96	240	1 112	83989	83989A	A36/A283 GR C	AR	83989A0501	350	480	26	T		0	0	0	0			0			
26	83989A0201	0	9.53	2438	6096	3/8	96	240	1 112	83989	83989A	A36/A283 GR C	AR	83989A0501	350	480	26	T		0	0	0	0			0			



No	B07 Heat / Cast Nr	Deoxidation Method	/ C71 / Chemical composition / % /																
			C	Si	Mn	P	S	N	Cu	Cr	Ni	Mo	Al	V	Ti	Nb	W	As	Ceq
1	83855		0.130	0.230	0.830	0.012	0.010	0.009	0.310	0.090	0.090	0.013	0.039	0.003	0.027	0.001	0.000	0.013	0.316
2	83858		0.140	0.280	0.860	0.013	0.003	0.009	0.310	0.110	0.080	0.014	0.035	0.004	0.032	0.002	0.000	0.012	0.335
3	83879		0.150	0.260	0.860	0.022	0.008	0.010	0.360	0.170	0.100	0.017	0.038	0.005	0.029	0.002	0.001	0.014	0.362
4	83925		0.140	0.220	0.850	0.010	0.004	0.008	0.370	0.080	0.080	0.013	0.032	0.004	0.030	0.001	0.000	0.010	0.331
5	83920		0.130	0.250	0.840	0.018	0.004	0.009	0.280	0.120	0.090	0.013	0.033	0.005	0.030	0.002	0.000	0.014	0.322
6	83877		0.140	0.250	0.850	0.014	0.006	0.009	0.330	0.100	0.100	0.017	0.035	0.004	0.025	0.001	0.000	0.012	0.335
7	83918		0.130	0.220	0.850	0.013	0.007	0.010	0.350	0.100	0.090	0.013	0.035	0.005	0.034	0.001	0.000	0.013	0.325
8	83874		0.140	0.220	0.830	0.010	0.006	0.008	0.270	0.080	0.080	0.015	0.038	0.004	0.027	0.001	0.000	0.015	0.322
9	83852		0.140	0.250	0.850	0.012	0.007	0.009	0.290	0.080	0.080	0.016	0.026	0.003	0.022	0.001	0.000	0.013	0.326
10	83849		0.130	0.250	0.850	0.011	0.015	0.010	0.320	0.080	0.080	0.012	0.037	0.002	0.029	0.001	0.000	0.013	0.317
11	84048		0.130	0.240	0.840	0.011	0.007	0.008	0.320	0.070	0.110	0.015	0.038	0.004	0.033	0.001	0.000	0.010	0.317
12	84003		0.130	0.240	0.850	0.010	0.008	0.009	0.300	0.070	0.080	0.011	0.037	0.004	0.030	0.001	0.000	0.009	0.314
13	83847		0.140	0.240	0.860	0.018	0.013	0.011	0.290	0.100	0.070	0.012	0.034	0.003	0.028	0.001	0.000	0.013	0.330
14	83848		0.130	0.270	0.850	0.013	0.013	0.011	0.290	0.080	0.070	0.012	0.038	0.003	0.036	0.001	0.001	0.012	0.315
15	83854		0.130	0.240	0.850	0.015	0.013	0.010	0.350	0.100	0.090	0.014	0.033	0.003	0.028	0.001	0.000	0.013	0.324
16	84145		0.150	0.240	0.850	0.010	0.008	0.010	0.240	0.150	0.090	0.012	0.031	0.004	0.026	0.001	0.000	0.014	0.347
17	83986		0.130	0.240	0.810	0.014	0.009	0.009	0.290	0.090	0.090	0.019	0.035	0.003	0.035	0.001	0.000	0.012	0.313
18	83987		0.140	0.230	0.840	0.013	0.009	0.009	0.330	0.080	0.090	0.017	0.038	0.003	0.031	0.001	0.000	0.011	0.328
19	83944		0.140	0.250	0.840	0.010	0.005	0.009	0.280	0.080	0.070	0.011	0.030	0.004	0.027	0.001	0.000	0.011	0.322
20	83853		0.140	0.240	0.850	0.013	0.009	0.010	0.310	0.080	0.090	0.014	0.031	0.003	0.030	0.001	0.000	0.013	0.328
21	83926		0.130	0.240	0.830	0.010	0.004	0.009	0.320	0.080	0.090	0.013	0.039	0.004	0.028	0.001	0.000	0.010	0.315
22	83845		0.130	0.230	0.860	0.013	0.009	0.011	0.280	0.080	0.080	0.014	0.028	0.003	0.034	0.001	0.000	0.011	0.317
23	83851		0.140	0.240	0.840	0.012	0.013	0.010	0.290	0.080	0.080	0.013	0.029	0.003	0.032	0.001	0.000	0.014	0.324
24	83850		0.140	0.260	0.850	0.011	0.009	0.010	0.290	0.080	0.080	0.013	0.032	0.003	0.032	0.001	0.000	0.014	0.326
25	83947		0.140	0.260	0.860	0.009	0.003	0.011	0.330	0.070	0.090	0.018	0.036	0.005	0.035	0.001	0.000	0.011	0.330
26	83951		0.140	0.250	0.830	0.010	0.012	0.009	0.310	0.060	0.080	0.015	0.038	0.004	0.028	0.001	0.000	0.013	0.320
27	83989		0.130	0.230	0.860	0.011	0.006	0.009	0.290	0.070	0.080	0.013	0.033	0.003	0.031	0.001	0.000	0.011	0.315
28	83988		0.140	0.240	0.850	0.011	0.005	0.009	0.300	0.070	0.080	0.013	0.029	0.003	0.026	0.001	0.000	0.011	0.324
29	83880		0.140	0.250	0.860	0.021	0.008	0.009	0.310	0.120	0.100	0.019	0.033	0.005	0.026	0.001	0.002	0.012	0.340
30	83948		0.130	0.250	0.830	0.010	0.005	0.011	0.340	0.070	0.080	0.014	0.040	0.005	0.039	0.001	0.000	0.011	0.314
31	83946		0.130	0.250	0.820	0.009	0.006	0.009	0.260	0.060	0.070	0.012	0.032	0.004	0.032	0.001	0.000	0.012	0.304
32	84052		0.130	0.240	0.830	0.011	0.013	0.010	0.340	0.080	0.090	0.024	0.045	0.004	0.029	0.001	0.000	0.008	0.319
33	84156		0.140	0.290	0.860	0.012	0.014	0.010	0.270	0.070	0.090	0.014	0.033	0.003	0.025	0.001	0.000	0.013	0.325
34	84151		0.140	0.230	0.860	0.011	0.008	0.008	0.220	0.100	0.090	0.014	0.039	0.004	0.033	0.001	0.000	0.014	0.328
35	84153		0.140	0.230	0.860	0.011	0.007	0.010	0.260	0.080	0.100	0.017	0.045	0.004	0.038	0.001	0.000	0.014	0.328

D01 - RESULT OF SURFACE CONTROL AND DIMENSIONAL CHECK: SATISFACTORY  
Z01 - WE HEREBY CERTIFY THAT THE ABOVE MENTIONED STEEL HAS BEEN DELIVERED TO YOU IN COMPLIANCE WITH YOUR PURCHASE ORDER.  
WE HEREBY CERTIFY THAT THE ABOVE MENTIONED STEEL (HEAT NUMBER) HAS BEEN TESTED AND PROVED TO BE FREE OF RADIOACTIVITY.

\*Lo=8 in.

A05 Chief Department  
Technical control  
Stomana Industry S.A.

