



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



A03 INSPECTION CERTIFICATE : MX192450LOT5B

A02 Acc To : EN10204/3.1
Date : 28.11.2019

A06 Customer : DUFERCO SA
Consignee : SERVICIOS Y ALMACENES DE VERAC

A08 Order Nr : MX192450 LOT5B
Lot Nr :
Standard : ASTM A572 GR.50/A709 GR.50;ASTM A6

A07 Customer :
B01 Product : Prime Hot Rolled Steel Plates
ASTM A572GR50-High Strength Low alloy Steel;
ASTM A709GR50-Carbon Steel and Low Alloy Steel

Dispatched in Wagon/Truck
Destination : Mexico MX

B08 Total Nr of pieces : 281
Total mass, kg : 721 082

ORIGIN BULGARIA/ MADE IN BULGARIA/DUFERCO

No	Plate	lot	Dimensions / Size				Dimensions / Size			Mass Weight	Heat Cast	Batch	Steel		Mechanical properties													
			Thickness		Width	Length	Thick	Width	Length				Grade	Cond	Tested plate	Tension				Impact strength					Tension		Bend in cold	Hardness
			Cl.	Thick												yield	tensile	Elong	Dir.	V - notch (ISO - V)					0.2% yield			
			ReH	Rm	*	test	Temp	KV	Kv1				Kv2	Kv3	test	Temp	yield											
	B07		B09	B10	B11	B09	B10	B11		B07	B-07	B02	B-04	C00	C11	C12	C13	C02	C03	C43	C42	C42	C42	C02	C03	C11		
	No	No	mm	mm	mm	inch	inch	inch	kg	No	No	Grade	No	No	Mpa	Mpa	%	°C	°C	J	J	J	J	°C	Mpa			
1	84030B1301	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
2	84030B1302	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
3	84030B1303	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
4	84030B1401	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
5	84030B1402	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
6	84030B1403	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
7	84030B1501	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
8	84030B1502	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
9	84030B1503	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
10	84030B1601	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
11	84030B1602	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
12	84030B1603	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
13	84030B1702	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
14	84030B1801	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
15	84030B1802	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
16	84030B1803	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
17	84030B1901	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
18	84030B1902	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
19	84030B2001	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
20	84030B2002	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
21	84030B2003	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
22	84030B2101	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
23	84030B2102	0	9.53	2438	6096	3/8	96	240	1 112	84030	84030B	A572/A709GD50	AR	84030B1601	374	523	22	T		0	0	0	0		0			
24	84031B0601	0	9.53	2438	6096	3/8	96	240	1 112	84031	84031B	A572/A709GD50	AR	84031B0401	388	520	21	T		0	0	0	0		0			
25	84031B0603	0	9.53	2438	6096	3/8	96	240	1 112	84031	84031B	A572/A709GD50	AR	84031B0401	388	520	21	T		0	0	0	0		0			
26	84031B0701	0	9.53	2438	6096	3/8	96	240	1 112	84031	84031B	A572/A709GD50	AR	84031B0401	388	520	21	T		0	0	0	0		0			

272	83930B0801	0	50,8	1829	6096	2	72	240	4 446	83930	83930B	A572/A709GD50	AR	83930B0401	353	500	24	T	0	0	0	0	0	0	0	0	0
273	83930B0901	0	50,8	1829	6096	2	72	240	4 446	83930	83930B	A572/A709GD50	AR	83930B0401	353	500	24	T	0	0	0	0	0	0	0	0	0
274	83930B1001	0	50,8	1829	6096	2	72	240	4 446	83930	83930B	A572/A709GD50	AR	83930B0401	353	500	24	T	0	0	0	0	0	0	0	0	0
275	83930B1101	0	50,8	1829	6096	2	72	240	4 446	83930	83930B	A572/A709GD50	AR	83930B0401	353	500	24	T	0	0	0	0	0	0	0	0	0
276	83930B1201	0	50,8	1829	6096	2	72	240	4 446	83930	83930B	A572/A709GD50	AR	83930B0401	353	500	24	T	0	0	0	0	0	0	0	0	0
277	83930B1301	0	50,8	1829	6096	2	72	240	4 446	83930	83930B	A572/A709GD50	AR	83930B0401	353	500	24	T	0	0	0	0	0	0	0	0	0
278	83930B1401	0	50,8	1829	6096	2	72	240	4 446	83930	83930B	A572/A709GD50	AR	83930B0401	353	500	24	T	0	0	0	0	0	0	0	0	0
279	83930B1501	0	50,8	1829	6096	2	72	240	4 446	83930	83930B	A572/A709GD50	AR	83930B0401	353	500	24	T	0	0	0	0	0	0	0	0	0
280	83930B1601	0	50,8	1829	6096	2	72	240	4 446	83930	83930B	A572/A709GD50	AR	83930B0401	353	500	24	T	0	0	0	0	0	0	0	0	0
281	83930B1801	0	50,8	1829	6096	2	72	240	4 446	83930	83930B	A572/A709GD50	AR	83930B0401	353	500	24	T	0	0	0	0	0	0	0	0	0

*Lo=8 in.

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	83930		0.170	0.230	1.040	0.012	0.005	0.009	0.280	0.120	0.080	0.014	0.037	0.036	0.029	0.001	0.000	0.011	0.401
2	84032		0.150	0.240	0.980	0.014	0.009	0.010	0.310	0.090	0.080	0.015	0.046	0.032	0.029	0.001	0.000	0.010	0.367
3	84161		0.150	0.210	1.010	0.011	0.008	0.010	0.240	0.130	0.080	0.013	0.037	0.034	0.030	0.001	0.000	0.014	0.375
4	84162		0.160	0.220	1.020	0.012	0.007	0.009	0.220	0.120	0.080	0.013	0.036	0.032	0.028	0.001	0.000	0.016	0.383
5	83893		0.160	0.250	1.060	0.011	0.007	0.010	0.310	0.080	0.090	0.012	0.028	0.038	0.023	0.001	0.000	0.012	0.389
6	84033		0.160	0.230	0.980	0.016	0.005	0.010	0.330	0.100	0.080	0.018	0.031	0.032	0.023	0.001	0.000	0.010	0.381
7	84159		0.160	0.220	0.990	0.010	0.007	0.009	0.230	0.050	0.080	0.011	0.037	0.033	0.029	0.001	0.000	0.021	0.365
8	83894		0.160	0.230	1.060	0.013	0.009	0.009	0.300	0.080	0.080	0.011	0.033	0.033	0.028	0.001	0.000	0.011	0.387
9	83910		0.160	0.250	1.030	0.011	0.005	0.010	0.260	0.070	0.070	0.012	0.032	0.036	0.038	0.001	0.000	0.013	0.377
10	83898		0.160	0.240	1.030	0.013	0.006	0.011	0.230	0.080	0.080	0.010	0.043	0.034	0.034	0.001	0.000	0.011	0.377
11	83933		0.150	0.220	1.090	0.014	0.005	0.010	0.320	0.110	0.080	0.014	0.039	0.035	0.031	0.001	0.000	0.010	0.390
12	83913		0.170	0.270	0.960	0.011	0.001	0.010	0.200	0.070	0.070	0.018	0.037	0.035	0.035	0.001	0.000	0.010	0.373
13	83896		0.180	0.240	1.080	0.011	0.002	0.010	0.240	0.070	0.080	0.010	0.037	0.033	0.028	0.001	0.000	0.013	0.404
14	84030		0.170	0.240	1.070	0.012	0.006	0.009	0.290	0.140	0.100	0.011	0.037	0.035	0.026	0.001	0.000	0.009	0.412
15	84031		0.160	0.250	1.040	0.012	0.008	0.009	0.340	0.090	0.090	0.021	0.032	0.034	0.027	0.001	0.000	0.009	0.391
16	84164		0.170	0.240	1.020	0.012	0.005	0.009	0.190	0.070	0.080	0.012	0.032	0.033	0.027	0.001	0.000	0.021	0.381
17	83892		0.160	0.230	1.070	0.013	0.009	0.011	0.290	0.080	0.080	0.012	0.028	0.034	0.024	0.002	0.000	0.014	0.388
18	83895		0.150	0.230	1.070	0.010	0.006	0.010	0.300	0.060	0.070	0.009	0.036	0.034	0.028	0.001	0.000	0.013	0.374
19	83934		0.160	0.230	1.110	0.015	0.007	0.009	0.300	0.120	0.080	0.016	0.034	0.037	0.028	0.001	0.000	0.011	0.405
20	83937		0.150	0.240	1.090	0.013	0.006	0.009	0.270	0.080	0.080	0.013	0.038	0.037	0.031	0.001	0.000	0.011	0.381

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.

