



Front and rear plates

C235383

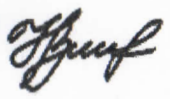
**PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE**

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 1183/PO45174 DIN EN 10088-3-05, DIN EN 10272-08, AD2000-Merkblatt W2; AD 2000-Merkblatt W10; ASTM A182/A182M-10; ASME SA-182/SA-182M-10; ASTM A276-10; ASTM A314-08, ASTM A479/A479M-10; ASME SA-479/SA-479M-10; ASTM A484/A484M-10; AMS-QQ-S-763B-06 Cond.A; AMS 5648K-07; AMS 5653F-07; ASTM A193/A193M-10GR B8M, CL1; ASME SA-193/SA-193M-10 GR B8, CL 1; ASTM A320/A320M-08 GR B8M, CL 1; ASME SA-320/SA-320M-10 GR B8, CL1; NACE MR 0175-03; NACE MR 0103-10	Sheets: 6                      Sheet: 3 <b>INSPECTION CERTIFICATE EN10204/3.1 Nr. 341884</b> PLANT ORDER № 8014901183
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 GMS Certified	CUSTOMER <b>DSS INTERNATIONAL</b> SA Switzerland	<b>PRODUCT DESCRIPTION</b> Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Прутки из коррозионностойких (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф. <b>STEEL MAKING PROCESS: EAF+AOD</b> <b>СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР</b> Round 7.250in/184.15 mm L=18.459ft/5.630m L=18.426ft/5.620m <b>Grade: 316/316L/1.4401/1.4404</b>	QUANTITY: <b>1bund Q-2729 lb/1238 kg</b> (number of pcs) <b>1bund Q-2725 lb/1236 kg</b>  Delivery condition solution annealed :1900°F(1040°C)water 30minutes термообработка:закалка в воду
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ANALYSIS, %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N	Sn	B
REQUIRED	<.030	<1.00	1.20-2.00	<.040	.015-.030	16.50-18.00	10.00-13.00	2.00-2.50	<.10	<.40	<.10	<.20	<.15	<.40	<.20	<.10		
CAST № A06844	.023	.40	1.35	.036	.026	16.94	10.30	2.08	.066	.38	.06	.07	.005	.13	.016	.022	.0106	.0025

DIN EN 10002-1, ASTM A370-09										TECHNICAL REQUIREMENTS:																					
MECHANICAL PROPERTIES	Yield Strength, (N/mm <sup>2</sup> ) R0.2% R 1.0%		Tensile Strength, Rm, (N/mm <sup>2</sup> )	Elongation		Reduction of area, Z % L	Brinell Hardness HB	Impact strength, KV, J		Macrostructure – GOOD GRAIN SIZE : 5 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A) <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>thin</td> <td>thick</td> <td>thin</td> <td>thick</td> </tr> <tr> <td>3.0</td> <td>2.0</td> <td>2.0</td> <td>1.0</td> </tr> </tbody> </table> thin thick thin thick thin thick thin thick 3.0 2.0 2.0 1.0 0.0 0.0 1.0 1.0 ICC-ASTM A262-08 (practice E)-test: O.K. Dimension/surface defects test, anti-mixing test – OK We acknowledge that the delivered products conform to the requirements of the order Ratio of reduction-10.9:1										A	B	C	D	thin	thick	thin	thick	3.0	2.0	2.0	1.0
	A	B		C	D																										
thin	thick	thin	thick																												
3.0	2.0	2.0	1.0																												
REQUIRED	205	240	515-690	45	35	40	50	140-223	100	60																					
EFFECTIVE	298	314	567	60	56	58	77	167	275	273	277	95	95	98																	

Mechanical properties tested in state of delivery		US - testing                      yes                      Results: ASTM A388/A388M-FBH1/8"; EN 10308 type 1a; class 3:OK		Manufacturer: PrJSC DNIPROSPETSSTAL Date: 23.01.19                      Manager of quality assurance department - V. Kapaieva Signed:  Zaporozhye Made in Ukraine.
Radiation free; mercury free. No Weld or Weld repair.				