
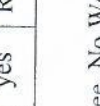


HT# A06284 SN# 4967

C22447

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE																				
 <p>Contract No. : 20002 TECHN.PROTOCOL № 390-11 SPEC.№0111/PO44618 DIN EN 10088-3:05, DIN EN 10272-08, DIN EN 10222-5:00, 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</p>			<p>Sheets: 4 INSPECTION CERTIFICATE EN10204/3.1 Nr.336753 PLANT ORDER № 8014900111</p> <p>Sheet: 3</p>																	
<p>CUSTOMER DSS INTERNATIONAL SA Switzerland</p>			<p>PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel forged, peeled, Прутки из коррозийноустойчивых (пержавеющих) стальной кованные, обточенные. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПУСККИ: Электродуговая печь+АКР Round 15.000in/381.00 mm L=8.213ft/2.505m Grade: 316/316L/1.4401/1.4404</p>			<p>QUANTITY: (number of pcs) 1bund Q-5106 lb/2316 kg</p> <p>Delivery condition solution annealed : 1940° F(1060° C) water 30minutes термообработка: закалка в воду</p>														
<p>ANALYSIS, %</p>		C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N	Sn	B	
<p>REQUIRED</p>		<.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			
<p>CAST № A06284</p>		.018	.45	1.29	.040	.025	16,78	10.30	2.06	.076	.33	.05	.07	.005	.12	.011	.028	.011	.0022	
<p>DIN EN 10002-1, ASTM A370-09</p>																				
<p>MECHANICAL PROPERTIES</p>		<p>Yield Strength, (N/mm²) R0.2% R 1.0%</p>		<p>Tensile Strength, Rm, (N /mm²)</p>		<p>Elongation A₅ % L Q</p>		<p>Reduction of area, Z, % L</p>		<p>Brinell Hardness HB</p>		<p>Impact strength, KV, J L Q</p>								
<p>REQUIRED</p>		205	240	515-690	45	35	40	50	140-217	100	60									
<p>EFFECTIVE</p>		279	304	549	59	48	57	73	163	190	190	190	187	187	187	66	66	66	65	65
<p>TECHNICAL REQUIREMENTS: Macrostructure – GOOD GRAIN SIZE : 5 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A)</p> <p>A B C D 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/Подтверждаем, что поставленная продукция соответствует требованиям заказа Ratio of reduction-6.3:1 Manufacturer: PrJSC DNIPROSPETSSTAL Date: 09.08.18 Manager of quality assurance department - V. Karaieva Signed:  Zaporozhye Made in Ukraine.</p>																				
<p>US - testing</p>		yes	<p>Results: ASTM A388/A388M-FBH1/5"; EN 10228-4 type 1a; class 3; OK</p>																	
<p>Radiation free; mercury free. No Weld or Weld repair.</p>																				

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