



HT # A06025

C 217993

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Pr.JSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№9071/PO43762 DIN EN 10088-3-05,DIN EN 10272-08,DIN EN 10222-5-00,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,CL 1; 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,CL 1;NACE MR 0175-03;NACE MR 0103-10		Sheets:6 Sheet: 3 INSPECTION CERTIFICATE EN10204/3 1 Nr.334504 PLANT ORDER № 8014909071		
	 CUSTOMER DSS INTERNATIONAL SA Switzerland	PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel forged, peeled.Прутки из коррозионноустойких (нержавеющих) сталей кованные, обточенные. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 8.000in/203.20 mm L=16.492 ft/5.030m L=16.098 ft/4.910m L=13.148 ft/4.010m Grade: 316/316L/1.4401/1.4404	QUANTITY: (number of pcs) <table border="0"> <tr> <td>1bund Q-2981 lb/1352 kg</td> </tr> <tr> <td>1bund Q-2910 lb/1320 kg</td> </tr> <tr> <td>1bund Q-2377 lb/1078 kg</td> </tr> </table> Delivery condition solution annealed :1940° F(1060° C)water 20minutes термообработка:закалка в воду	1bund Q-2981 lb/1352 kg	1bund Q-2910 lb/1320 kg
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1bund Q-2377 lb/1078 kg					

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 № A06025	.017	.39	1.31	.035	.025	17.26	10.38	2.07	.077	.28	.06	.04	.009	.19	.01	.025	.011	.0022

DIN EN 10002-1,ASTM A370-09										TECHNICAL REQUIREMENTS:													
MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R0.2% R 1.0%		Tensile Strength, Rm, (N/mm ²)	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)													
	L	Q		A5% L Q	In 2 inches (50mm) or 4D,min,% L			L	Q	L	Q	A	B	C	D	thin thick thin thick thin thick thin thick							
REQUIRED	205	240	515-690	45	35	40	50	140-223	100	60	2.0	1.5	2.0	1.0	0.0	0.0	1.0	1.0					
EFFECTIVE	268	301	565	59	48	58	80	167	181	181	181	71	71	71	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-9.4:1								
Mechanical properties tested in state of delivery										Manufacturer:PrJSC DNIPROSPETSSTAL Date: 05.06.18 Manager of quality assurance department - V. Kapaieva Signed: Zaporozhye Made in Ukraine.													

US - testing	yes	Results: ASTM A388/A388M)-FBH1/8";EN 10228-4 type 1a;class 3:OK
Radiation free; mercury free. No Weld or Weld repair.		

