



15 pcs

C294939

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 2013/PO50775 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 (EXC PAR 7.2), ASME SA-193/SA-193M-10 GR B8, CL 1 (EXC PAR 7.3), NACE MR 0175-03, NACE MR 0103-10	INSPECTION CERTIFICATE EN10204/3.1 Nr. 369572 PLANT ORDER № 8014902013
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	CUSTOMER DSS INTERNATIONAL SA Switzerland	PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Прутки из коррозионностойких (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 5.00m/127.00 mm L=18.590ft/5.67 m Grade: 316/316L/1.4401/1.4404	QUANTITY: (number of pcs)	1bund Q-2571 lb/1166 kg 1bund Q-1265 lb/574 kg 1bund Q-1204 lb/546 kg
			Delivery condition solution annealed :1900° F(1040° C)water 30minutes термообработка:закалка в воду	

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 № A09834	.020	.52	1.31	.038	.024	17.05	10.30	2.13	.078	.33	.07	.04	.007	.15	.01	.032	.019	.0022

DIN EN 10002-1, ASTM A370-09										TECHNICAL REQUIREMENTS:																			
MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R0.2% R1.0%		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) A B C D thin thick thin thick thin thick thin thick 2.0 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-22.3:1																		
	L	Q		As %	In 2 inches (50mm) or 4D, min, % L			L	L	L											Q	Q							
REQUIRED	205	240	515-700	40	40	50	140-217	100	-	-											-	-	-	-	-	-	-	-	-
EFFECTIVE	275	304	580	61	59	77	170	225	225	225											230	230	230	-	-	-	-	-	-

Mechanical properties tested in state of delivery

US - testing yes Results: ASTM A388/A388M-FBH1/8"; EN 10308 type 1a; class 3:OK

Radiation free; mercury free. No Weld or Weld repair.

Date: 12.05.2021 Manager of quality assurance department - V. Kapaieva Signed: 

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