



C294946

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHJE, 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	Sheets: 1 Sheet: 1 INSPECTION CERTIFICATE EN10204/3.1 Nr. 369930 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 коррозионноустойчивых (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 6.25in/158.75 mm L=18.426ft/5.62 m; L=18.393ft/5.61 m; L=13.377ft/4.08 m Grade: 316/316L/1.4401/1.4404	QUANTITY: (number of pcs) 1bund Q-4017 lb/1822 kg 1bund Q-2002 lb/908 kg 1bund Q-1459 lb/662 kg 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 № A09881	.018	.44	1.34	.039	.024	16.82	10.21	2.07	.066	.28	.05	.05	.005	.13	.012	.032	.0087	.0022

DIN EN 10002-1, ASTM A370-09												
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				
				A ₅ % L	Q			In 2 inches (50mm) or 4D,min,% L	L	Q		
REQUIRED	205	240	515-700	40	-	40	50	140-217	100	-		
EFFECTIVE	280	310	567	60	-	58	73	167	217	217	217	-
	286	316	571	60	-	58	75	167	223	223	223	-

MECHANICAL PROPERTIES TESTED IN STATE OF DELIVERY

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-22.3:1

US - testing	yes	Results: ASTM A388/A388M-FBH1/8"; EN 10308 type 1a; class 3:OK	Date: 23.05.2021 Manager of quality assurance department - V. Kapaieva Signed: Zaporozhye Melted and Produced in Ukraine. MELTED and MANUFACTURED PrJSC " Dnipropetsstal" Phone number +380612834255 e-mail: info@dss.com.ua http://www.dss-ua.com
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Radiation free; mercury free. No Weld or Weld repair.



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