


C286524

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	CUSTOMER DSS INTERNATIONAL SA Switzerland	PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel forged, peeled. Прутки из коррозионностойких (нержавеющих) сталей кованные, обточенные. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 15.0in/381.00 mm L=15.049 ft/4.59 m; Grade: 316/316L/1.4401/1.4404										INSPECTION CERTIFICATE EN10204/3.1 Nr.366188 PLANT ORDER № 8014900623																																			
		CONTRACT No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№0623/P050062 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-10 GR 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										QUANTITY: 1bund Q-9405 lb/4266 kg (number of pcs) Delivery condition solution annealed :1922 ^o F(1050 ^o 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	.020	.51	1.24	.036	.023	16.78	10.26	2.10	.069	.31	.06	.06	.005	.16	.01	.035	.0145	.0025																													
№ A09456 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																																							
				A5% L Q	In 2 inches (50mm) or 4D, min, % L			L	Q																																						
	REQUIRED	205	240	515-690	45 35	40	50	140-217	100	60																																					
EFFECTIVE	283	312	552	61 54	60	77	167	240 240 240	61 61 61																																						
MECHANICAL PROPERTIES TESTED IN STATE OF DELIVERY Mechanical properties tested in state of delivery										TECHNICAL REQUIREMENTS: Macrostructure – GOOD GRAIN SIZE : 5 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A) <table border="0"> <tr> <td>A</td> <td>B</td> <td>C</td> <td>D</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>thin</td> <td>thick</td> <td>thin</td> <td>thick</td> <td>thin</td> <td>thick</td> <td>thin</td> <td>thick</td> <td>thin</td> <td>thick</td> </tr> <tr> <td>2.5</td> <td>2.0</td> <td>2.0</td> <td>2.0</td> <td>0.0</td> <td>0.0</td> <td>1.0</td> <td>1.0</td> <td></td> <td></td> </tr> </table> 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								A	B	C	D							thin	thick	thin	thick	thin	thick	thin	thick	thin	thick	2.5	2.0	2.0	2.0	0.0	0.0	1.0	1.0		
A	B	C	D																																												
thin	thick	thin	thick	thin	thick	thin	thick	thin	thick																																						
2.5	2.0	2.0	2.0	0.0	0.0	1.0	1.0																																								
US - testing	yes	Results: ASTM A388/A388M)-FBH1/5"; EN 10228-4 type 1a; class 3:OK										Date: 02.02.21 Manager of quality assurance department Signed: - V. Kapaieva Zaporozhье Melted and Produced in Ukraine. MELTED and MANUFACTURED PrJSC " Dniprospsststal" Phone number +380612834255 e-mail: info@dss.com.ua http://www.dss-ua.com																																			
Radiation free; mercury free. No Weld or Weld repair.																																															

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