




C286522

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	<p>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-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>INSPECTION CERTIFICATE EN10204/3.1 Nr.366188 PLANT ORDER № 8014900623</p>	
	<p>CUSTOMER DSS INTERNATIONAL SA Switzerland</p>	<p>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 13.0in/330.20 mm L=10.262 ft/3.13 m; Grade: 316/316L/1.4401/1.4404</p>	<p>QUANTITY: 1bund Q-4846 lb/2198 kg (number of pcs)</p> <p>Delivery condition solution annealed :1922^oF(1050^oC)water 30minutes термообработка:закалка в воду</p>

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 № A09332	.021	.44	1.38	.037	.024	16.90	10.27	2.07	.066	.28	.06	.04	.005	.13	.021	.030	.0094	.0024

DIN EN 10002-1,ASTM A370-09										<p>TECHNICAL REQUIREMENTS: 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 2.5 1.5 1.5 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-6.1:1</p>									
MECHANICAL PROPERTIES	Yield Strength, (N/mm²) R0.2% R 1.0%		Tensile Strength, Rm, (N /mm²)	Elongation		Reduction of area, Z %	Brinell Hardness HB	Impact strength, KV, J											
REQUIRED	205	240	515-690	A5% L Q	In 2 inches (50mm) or 4D,min,% L	50	140-217	100	60										
EFFECTIVE	278	306	568	58 49	57	73	163	198 198 198	64 64 64										

<p>US - testing</p>	<p>yes</p>	<p>Results: ASTM A388/A388M)-FBH1/5";EN 10228-4 type 1a;class 3:OK</p>	<p>Date: 02.02.21 Manager of quality assurance department Signed: - V. Kapaieva 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</p> 
<p>Radiation free; mercury free. No Weld or Weld repair.</p>			

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