




C306403

**PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE**

	<p>Contract No.: 20002          TECHN.PROTOCOL № 390-11 SPEC.№3642/PO51840          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><b>INSPECTION CERTIFICATE EN10204/3.1 Nr.374318</b>          PLANT ORDER № 8014903642</p>	
	<p><b>CUSTOMER</b>  <b>DSS INTERNATIONAL</b>  <b>SA Switzerland</b></p>	<p><b>PRODUCT DESCRIPTION</b>          Bars and rods of corrosion-resistant (stainless) steel forged, peeled.Прутки из коррозионностойких (нержавеющих) сталей кованные, обточенные.  <b>STEEL MAKING PROCESS: EAF+AOD</b>  <b>СПОСОБ ВЫПЛАВКИ:Электродуговая печь+АКР</b>          Round 18.750in/476.25 mm L=5.000 ft/1.660m L=5.000 ft/1.640m  <b>Grade: 316/316L/1.4401/1.4404</b></p>	<p><b>QUANTITY:</b> <b>1bund Q-5295 lb/2402 kg</b>          (number of pcs) <b>1bund Q-5234 lb/2374 kg</b></p> <p><b>Delivery condition</b>          solution annealed :1922<sup>o</sup>F(1050<sup>o</sup>C)water 36minutes          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 № A10353	.023	.43	1.33	.039	.025	16.76	10.22	2.03	.06	.23	.05	.04	.006	.13	.01	.027	.0077	.0022

DIN EN 10002-1,ASTM A370-09										TECHNICAL REQUIREMENTS:									
MECHANICAL PROPERTIES	Yield Strength, (N/mm <sup>2</sup> )		Tensile Strength, Rm, (N/mm <sup>2</sup> )	Elongation		Reduction of area, Z-%	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 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/Подтверждаем, что поставленная продукция соответствует требованиям заказа Ratio of reduction-7.5:1									
	R0.2%	R1.0%		A5%	in 2 inches (50mm) or 4D,min,%			L	L										
REQUIRED	205	240	515-690	45 35	40	50	140-217	100	60										
EFFECTIVE	286	319	560	62 53	60	79	167	250 250 250	61 61 61										
Mechanical properties tested in state of delivery																			

US - testing	yes	Results: ASTM A388/A388M-FBH1/5";EN 10228-4 type 1a;class 3:OK	Date: 03.10.2021 <b>Manager of quality assurance department</b> - V. Kapaieva Signed: Zaporozhye Melted and Produced in Ukraine. MELTED and MANUFACTURED PrJSC " Dniprospsstal" 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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