



C306403

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

	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,CL1; ASTM A320/A320M-08 GR B8M,CL1; ASME SA-320/SA-320M-10 GR B8,CL1; NACE MR 0175-03; NACE MR 0103-10										<b>INSPECTION CERTIFICATE EN10204/3.1 Nr.374318</b> PLANT ORDER № 8014903642																										
		<b>CUSTOMER</b> <b>DSS INTERNATIONAL</b> <b>SA Switzerland</b>			<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>							<b>QUANTITY:</b> (number of pcs)		<b>1bund Q-5295 lb/2402 kg</b> <b>1bund Q-5234 lb/2374 kg</b>		<b>Delivery condition</b> solution annealed : 1922 <sup>o</sup> F(1050 <sup>o</sup> C) water 36minutes термообработка: закалка в воду																					
<b>ANALYSIS, %</b>																			C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N	Sn	B	
<b>REQUIRED</b>																			<.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			
<b>CAST № A10353</b>																			.023	.43	1.33	.039	.025	16.76	10.22	2.03	.06	.23	.05	.04	.006	.13	.01	.027	.0077	.0022	
<b>DIN EN 10002-1, ASTM A370-09</b>																			<b>MECHANICAL PROPERTIES</b>								<b>TECHNICAL REQUIREMENTS:</b> Macrostructure – GOOD GRAIN SIZE : 5 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A)										
<b>REQUIRED</b>																			205	240	515-690	45 35	40	50	140-217	100	60	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							
<b>EFFECTIVE</b>																			286	319	560	62 53	60	79	167	250 250 250	61 61 61										
Mechanical properties tested in state of delivery																			<b>US - testing</b>								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.																			yes		Results: ASTM A388/A388M-FBH1/5"; EN 10228-4 type 1a; class 3:OK																

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