




C258753

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

	<p>Contract No.: 20002          TECHN.PROTOCOL № 390-11 SPEC.№ 5030/PO47557          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</p>	<p><b>INSPECTION CERTIFICATE EN10204/3.1 Nr. 352572</b>          PLANT ORDER № 8014905030</p>
 QMS Certified	<p><b>CUSTOMER</b>  <b>DSS INTERNATIONAL</b>          SA Switzerland</p> <p><b>PRODUCT DESCRIPTION</b>          Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line.Прутки из коррозионностойких (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф.  <b>STEEL MAKING PROCESS:</b> EAF+AOD  <b>СПОСОБ ВЫПЛАВКИ:</b> Электродуговая печь+АКР          Round 6.50in/165.10 mm L=5.60m/18.361ft ; L=5.60m/18.361ft; L=5.62m/18.426ft  <b>Grade:</b> 316/316L/1.4401/1.4404</p>	<p><b>QUANTITY:</b>          1bund Q-2169lb/984 kg          1bund Q-2169lb/984 kg          (number of pcs) 1bund Q-2174lb/986 kg</p> <p>Delivery condition          solution annealed :1900° F(1040° C)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 № A08025	.019	.42	1.29	.040	.022	16.75	10.26	2.07	.075	.35	.06	.09	.005	.15	.011	.034	.010	.0025

DIN EN 10002-1,ASTM A370-09										TECHNICAL REQUIREMENTS:									
MECHANICAL PROPERTIES	Yield Strength, (N/mm <sup>2</sup> ) R0.2% R 1.0%		Tensile Strength, Rm, (N /mm <sup>2</sup> )	Elongation		Reduction of area, Z % L	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 2.0 2.0 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 Ratio of reduction-13.5:1									
	L	Q		L	Q			L	Q										
REQUIRED	205	240	515-690	45	35	40	50	140-217	100										
EFFECTIVE	291	315	567	60	54	59	79	167	203	203	203	61	61	61					

US - testing	yes	Results: ASTM A388/A388M-FBH1/8";EN 10308 type 1a;class 3:OK	Date: 25.12.19 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
Radiation free; mercury free. No Weld or Weld repair.			

INS