

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

		Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 5008/PO52377 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										Sheets:6 Sheet: 1							
		CUSTOMER DSS INTERNATIONAL SA Switzerland										PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line.Прутки из коррозионностойких (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ:Электродуговая печь+АКР Round 3.250in/82.55 mm L=5.660/18.557ft L=5.660/18.557ft L=3.480/11.410ft Grade: 316/316L/1.4401/1.4404		INSPECTION CERTIFICATE EN10204/3.1 Nr. 377841 PLANT ORDER № 8014905008					
												QUANTITY: (number of pcs)		1bund Q-2169 lb/984 kg 1bund Q-3792 lb/1720kg 1bund Q-767 lb/348 kg					
												Delivery condition		solution annealed :1900 ⁰ F(1040 ⁰ 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 № A10843		.023	.51	1.48	.037	.022	16.95	10.23	2.05	.072	.22	.05	.06	.005	.16	.01	.036	.0061	.0021
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		Reducti on of area, Z % L	Brinell Hardness HB	Impact strength, KV, J		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 2.0 2.0 2.0 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-45.3:1							
						A ₅ % L Q	In 2 inches (50mm) or 4D,min,% L			L	Q								
REQUIRED		205	240	515-690	40 -	40	50	140-217	100	-									
EFFECTIVE		288 292	320 323	568 568	60 - 59 -	59 58	78 77	167 167	215 215 215 212 212 212	-									
US - testing		yes	Results: ASTM A388/A388M-FBH1/8";EN 10308 type 1a;class 3:OK																
Radiation free; mercury free. No Weld or Weld repair.		Date: 31.05.2022 Manager of quality assurance department - 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																	