



PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 5267/PO53650 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; 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 B8M, CL 1; NACE MR 0175-03; NACE MR 0103-10		Sheets: 6 Sheet: 1 INSPECTION CERTIFICATE EN10204/3.1 Nr. 379819 PLANT ORDER № 8014905267
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	CUSTOMER DSS INTERNATIONAL SA Switzerland	PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel forged, peeled .Прутки из коррозионностойких (нержавеющих) сталей кованные, обточенные. STEEL MAKING PROCESS: BAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 8.500in/215.90 mm L=3.950/12.951ft L=4.150/13.607ft L=4.110/13.475ft Grade: 316/316L/1.4401/1.4404	QUANTITY: (number of pcs)	1bund Q-2619 lb/1188kg 1bund Q-2747 lb/1246kg 1bund Q-2725 lb/1236kg
			Delivery condition solution annealed :1940° F(1060° C)water 20minutes 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 № A10957	.023	.44	1.30	.040	.026	16.78	10.27	2.04	.079	.34	.05	.06	.005	.12	.01	.033	.011	.0024

DIN EN 10002-1, ASTM A370-09										TECHNICAL REQUIREMENTS:									
MECHANICAL PROPERTIES	Yield Strength, (N/mm²) R0.2% R 1.0%		Tensile Strength, Rm, (N/mm²)	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 2.5 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-6.9:1									
	REQUIRED	205		240	515-690			A5% L Q	In 2 inches (50mm) or 4D,min,% L										
EFFECTIVE	272	298	541	57 48	56	75	163	195 195 195	64 64 64	275	302	543	57 48	56	75	163	193 193 193	63 63 63	

Mechanical properties tested in state of delivery		US - testing yes Results: ASTM A388/A388M-FBH1/8";EN 10228-4 type 1a;class 3:OK		Date: 31.08.2022 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	
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Radiation free; mercury free. No Weld or Weld repair.

Provided by CPA
 www.flowconditioner.com, info@cpacl.ca