



SN 6434-01
643402

C326201

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№ 5432/PO53843 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 B8M, CL 1; NACE MR 0175-03; NACE MR 0103-10		Sheets: 6 Sheet: 6 INSPECTION CERTIFICATE EN10204/3.1 Nr. 379819 PLANT ORDER № 8014905432
---	---	--	---

	CUSTOMER DSS INTERNATIONAL SA Switzerland	PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel forged, peeled. Прутки из коррозионностойких (нержавеющих) сталей кованые, обточенные. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 10.000in/254.00 mm L=3.505/11.492ft L=3.470/11.377ft L=3.450/11.311ft Grade: 316/316L/1.4401/1.4404	QUANTITY: (number of pcs)	1bund Q-3219 lb/1460kg 1bund Q-3179 lb/1442kg 1bund Q-3166 lb/1436kg
			Delivery condition solution annealed :1958 ⁰ F(1070 ⁰ C)water 18minutes 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 № A10971	.022	.41	1.33	.040	.024	16.69	10.20	2.09	.055	.31	.05	.05	.005	.13	.01	.033	.0086	.0022

DIN EN 10002-1, ASTM A370-09										TECHNICAL REQUIREMENTS:								
MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R0.2% R 1.0%		Tensile Strength, Rm, (N/mm ²)	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-7.6:1								
	REQUIRED	205		240	A ₅ % L			Q In 2 inches (50mm) or 4D, min, % L	100	60	L	Q						
EFFECTIVE	267	302	564	45 35	40	50	140-217	187 192 196	64 68 65									

Mechanical properties tested in state of delivery			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									
US - testing	yes	Results: ASTM A388/A388M-FBH1/5"; EN 10228-4 type 1a; class 3:OK	Radiation free; mercury free. No Weld or Weld repair.									