



PC510PCS
C241979

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

 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 ВЫПУСКИ: Электродуговая печь + АКР Round 3.750in/95.25 mm L=4.840/15.869ft L=5.570m/18.262ft Grade: 316/316L/1.4401/1.4404		Sheets:4 Sheet: 3 INSPECTION CERTIFICATE EN10204/3.1 Nr. 344841 PLANT ORDER № 8014902426
	QUANTITY: (number of pcs)	1bund Q-714 lb/324 kg 1bund Q-622 lb/282 kg 1bund Q-4264 lb/1934 kg	
Delivery condition solution annealed :1900°F(1040°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 № A07147	.022	.44	1.33	.035	.027	17.00	10.40	2.07	.073	.25	.04	.06	.01	.08	.01	.034	.0082	.0024

DIN EN 10002-1, ASTM A370-09										TECHNICAL REQUIREMENTS:											
MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R _{0.2} R 1.0%		Tensile Strength, R _m , (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 1.5 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-35.1:1											
	A ₁ % L	Q		In 2 inches (50mm) or 4D, min, % L	L			Q	L											Q	
REQUIRED	205	240	515-690	40	-	40	50	140-217	100	-											
EFFECTIVE	293 290	332 331	565 566	61	-	61 60	79 79	167 167	207 204	207 204	207 204										
Mechanical properties tested in state of delivery										Manufacturer: PrJSC DNIPROSPETSSTAL Date: 25.04.19 Manager of quality assurance department - V. Kapaieva Signed:  Zaporozhye Made in Ukraine.											
US - testing	yes	Results: ASTM A388/A388M-FB111/8"; EN 10308 type 1a; class 3:OK																			
Radiation free; mercury free. No Weld or Weld repair.																					