

22996

HTB A05575

Смт 4943

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

Contract No: 20002
 TECHN. PROTOCOL № 390-11 SPEC. № 7683/PO42853-ED
 DIN EN 10088-3-05, DIN EN 10272-08, AD 2000-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: 3 Sheet: 2
 INSPECTION CERTIFICATE EN10204/3 1 Nr. 329829
 PLANT ORDER № 8014907683

CUSTOMER
DSS INTERNATIONAL
SA Switzerland

PRODUCT DESCRIPTION
 Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Прутки из коррозионноустойчивых (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф.

STEEL MAKING PROCESS: EAF+AOD
СПОСОБ ВЫПУСКА: Электродуговая печь+АКР
 Round 5.000in/127.00 mm L=5.630m/18.459ft L=5.630m/18.459ft
Grade: 316/316L/1.4401/1.4404



QUANTITY: 1bund Q-3845 lb/1744 kg
 1bund Q-2562 lb/1162 kg
 (number of pcs)
 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	<.100	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 № A05575	.018	.44	1.36	.039	.024	17.28	10.24	2.07	.068	.32	.05	.08	.005	.11	.015	.026	.0096	.0025

DIN EN 10002-1, ASTM A370-09

MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R0.2% R 1.0%	Tensile Strength, (N/mm ²) Rm	Elongation		Reducti on of area, Z, %	Brinell Hardness HB	Impact strength, KV, J	
			A5, % L Q	In 2 inches (50mm) or 4D,min, % L			L	Q
REQUIRED	205	515-690	40	40	50	140-217	100	-
EFFECTIVE	285 281	580 576	60 61	60 59	79 79	170 170	238 240	238 240

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
 2.0 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

Mechanical properties tested in state of delivery

US - testing yes Results: ASTM A388/A388M)-FBH1/8", EN 10308 type Ia, class 3.0K

Radiation free; mercury free. No Weld or Weld repair.

Manufacturer: PrJSC DNIPROSPETSSTAL
 Date: 26.01.18 Manager of quality assurance department - V. Kapaieva
 Signed:
 Zaporozhye
 Made in Ukraine.

