

C311183

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

Contract No.: 20002
 TECHN. PROTOCOL № 390-11 SPEC. № 4176/PO52377
 DIN EN 10088-3-05, DIN EN 10272-08, AD 2000-Merkblatt W2, AD 2000-Merkblatt W2, 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

INSPECTION CERTIFICATE EN10204/3.1 Nr. 376539
 PLANT ORDER № 8014904176

PRODUCT DESCRIPTION
 Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Прутки из коррозионностойких (нержавеющих) сталей горячекатаные, обработанные на линии Ландграф.
CUSTOMER
DSS INTERNATIONAL
SA Switzerland

QUANTITY:
 1bund Q-1556 lb/706 kg
 1bund Q-4012 lb/1820kg
 1bund Q-2006 lb/910 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 № A10739	.023	.42	1.40	.038	.027	16.97	10.32	2.04	.068	.36	.06	.04	.005	.18	.01	.029	.010	.0023

DIN EN 10002-1, ASTM A370-09

MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R _{0.2%} R _{1.0%}	Tensile Strength, (N/mm ²) R _m	Elongation		Reducti on of area, Z %	Brinell Hardness HB	Impact strength, KV, J		
			A ₅ %	In 2 inches (50mm) or 4D, min, %			L	L	Q
REQUIRED	205	515-700	40	40	50	140-217	100	-	-
EFFECTIVE	292 294	565 568	60	59	79	167	211 207	211 207	211 207

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 2.0 2.0 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-15.1:1

Mechanical properties tested in state of delivery

US - testing yes Results: ASTM A388/A388M-FBH/8"; EN 10308 type Ia; class 3-OK

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

Date: 31.12.2021
 Department - V. Kapatieva
 Zaporozhye
 Melted and Produced in Ukraine
MELTED and MANUFACTURED
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Signature: *[Handwritten Signature]*