

C208394

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

Contract No.: 20002
 TECHN. PROTOCOL № 390-11 SPEC. № 3642/PO51840
 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

INSPECTION CERTIFICATE EN10204/3.1 Nr. 374318
 PLANT ORDER № 8014903642

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 ВЫПЛАВКИ: Электроплавовая печь+АКР
 Round 5.000mm/127.00 mm L=5.220/17.000R L=5.320mm/17.000ft
Grade: 316/316L/1.4401/1.4404



QUANTITY: 1bund Q-2377 lb/1078kg
 1bund Q-3576 lb/1622 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	<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 № A10362	.023	.53	1.39	.036	.023	17.00	10.28	2.02	.071	.23	.05	.04	.005	.14	.01	.030	.0085	.0022

DIN EN 10002-1, ASTM A370-09

MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R0.2% R 1.0%	Tensile Strength, Rm, (N/mm ²)	Elongation		Reducti on of area, Z %	Brinell Hardness HB	Impact strength, KV, J	
			A ₅ %	In 2 inches (50mm) or 4D, min, %			L	Q
REQUIRED	205	515-700	40	40	50	140-217	100	-
EFFECTIVE	290 292	572 573	62 61	60 60	77 77	170 170	230 227	230 227

TECHNICAL REQUIREMENTS:
 Macrostructure - GOOD
 GRAIN SIZE : 5 to ASTM E 112-96(2004)
 Nonmetallic inclusions ASTM E 45-05 (Method A)
 thin thick thin thick thin thick thin thick
 3.0 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-22.3:1

US - testing yes Results: ASTM A388/A388M-FBH1/8"; EN 10308 type 1a; class 3:OK

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

Date: 03.10.2021 Manager of quality assurance
 department - V. Kapaieva Signed:
 Zaporozhye
 Melted and Produced in Ukraine.
 MELTED and MANUFACTURED
 PrJSC " Dniprospestal"
 Phone number +380612834255
 e-mail: info@dss.com.ua
 http://www.dss-ua.com