

CB09389

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE



Contract No.: 20002
 TECHN.PROTOCOL № 390-11 SPEC.№ 3311/P/051685
 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 5653E-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 №. 374318
 PLANT ORDER № 8014903311



CUSTOMER
DSS INTERNATIONAL
SA Switzerland

PRODUCT DESCRIPTION
 Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line; Трубки из коррозионноустойчивых (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф.
STEEL MAKING PROCESS: EAF+AOD
СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР
 Round 5.000in/127.00 mm L=5.220/17.000ft L=5.230in/17.000ft
Grade: 316/316L/1.4401/1.4404

QUANTITY: 1bund Q-3510 lb/1592kg
 (number of pcs) 1bund Q-2354 lb/1068 kg

Delivery condition solution annealed :1900°F(1040°C)water 30minutes
 термообработка:закатка 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 № A10275	.023	.45	1.50	.038	.021	17.01	10.27	2.04	.075	.29	.06	.04	.005	.14	.01	.035	.009	.0022

DIN EN 10002-1, ASTM A370-09

MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R0.2% R1.0%	Tensile Strength, Rm, (N/mm ²)	Elongation		Reduction of area, Z %	Brenell Hardness HB	Impact strength, KV, J	
			A % L Q	In 2 inches (50mm) or 4D, min, % L			L	Q
REQUIRED	205	515-700	40 -	40	50	140-217	100	-
EFFECTIVE	288 284	331 330	62 - 63 -	61 61	79 79	170 170	240 240 240 241 241 241	-

Mechanical properties tested in state of delivery

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

Date: 03.10.2021 Manager of quality assurance
 department - V. Kapaleva Signed:

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

Zaporozhye
 Melted and Produced in Ukraine.
 MELTED and MANUFACTURED
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