

C308389

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

Contract No.: 20002
 TECHN. PROTOCOL № 390-11 SPEC. № 3311/PO51685
 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, CL1; ASTM A320/A320M-08 GR B8M, CL1; ASME SA-320/SA-320M-10 GR B8M, CL1; NACE MR 0175-03; NACE MR 0103-10

INSPECTION CERTIFICATE EN10204/3.1 Nr. 374318
 PLANT ORDER № 8014903311

QUANTITY:
 1bund Q-3510 lb/1592kg
 1bund Q-2354 lb/1068 kg

Delivery condition
 solution annealed :1900°F(1040°C)water 30minutes
 термообработка:закалка в воду

PRODUCT DESCRIPTION
 Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Трутки из коррозионностойких (нержавеющих) сталей горячекатаные, обработанные на линии Ландграф.
STEEL MAKING PROCESS: EAF+AOD
СПОСОБ ВЫПЛАВКИ: Электропудговая печь+АКР
 Round 5,000in/127,00 mm L=5,220/17,000ft L=5,230m/17,000ft
Grade: 316/316L/1.4401/1.4404

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 / № A10275	.023	.45	1.50	.038	.021	17.01	10.27	2.04	.075	.29	.06	.04	.005	.14	.01	.035	.009	.0022

MECHANICAL PROPERTIES
 Yield Strength (N/mm²) 60.2% R L 0.5%
 Tensile Strength, Rm, (N/mm²)
 Elongation A₅ %
 In 2 inches (50mm) or 4D_{min}, %
 Reduction of area, Z %
 Impact strength, KV, J
 Brinell Hardness HB
 L Q

REQUIRED
 205 240 515-700 40 - 40 50 100 140-217 100 -
 288 331 579 62 - 61 79 240 240 240
 284 330 580 63 - 61 79 241 241 241


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 1.0 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

Mechanical properties tested in state of delivery

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

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

Date: 03.10.2021
 Department - V. Kapaieva
 Zaporozhye
 Melted and Produced in Ukraine.
 PrJSC "Dniprospechstal"
 Phone number +380612834255
 e-mail: info@dss.com.ua
 http://www.dss-ua.com

quality assurance
 Signed: 

INS