

AMS 61 pcs 290010

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

Contract No.: 20002
 TECHN. PROTOCOL № 390-11 SPEC. №0973/PO50209
 DIN EN 10088-3-05, DIN EN 10272-08, DIN EN 10222-5-00, AD 2000-Merkblatt W10; ASTM A182/A182M-10; ASME SA-182/A182M-10; ASTM A276-10; ASTM A314-08, ASTM A479/A479M-10; ASME SA-479/A479M-10; ASTM A484/A484M-10; AMS-QQ-S-763B-06 Cond.A; AMS 5648K-07; ASTM A193/A193M-10GR B8M, CL1; ASME SA-193/A193M-10 GR B8, CL 1; ASTM A320/A320M-08 GR B8M, CL 1; ASME SA-320/A320M-10 GR B8, CL1; NACE MR 0175-03; NACE MR 0103-10

INSPECTION CERTIFICATE EN10204/3.1 Nr.367719
 PLANT ORDER № 8014900973

CUSTOMER
DSS INTERNATIONAL
 SA Switzerland

PRODUCT DESCRIPTION
 Bars and rods of corrosion-resistant (stainless) steel forged, peeled. Прутки из коррозионностойких (нержавеющих) сталей кованные, обточенные.

STEEL MAKING PROCESS: EAF+AOD
СПОСОБ ВЫПЛАВКИ: Электроплавка печь+AOP
 Round 8.500in/215.90 mm L=13.607 ft/4.150m L=13.967 ft/4.260m
Grade: 316/316L/1.4401/1.4404

QUANTITY:
 1bund Q-2756 lb/1250 kg
 1bund Q-2853 lb/1294 kg


Delivery condition
 solution annealed : 1922° F(1050° C) water 20minutes
 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 № A09633	.024	.48	1.42	.038	.026	16.90	10.37	2.06	.068	.28	.06	.06	.005	.11	.019	.029	.0081	.0024

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												
			A ₅ %	In 2 inches (50mm) or 4D, min, %			L	L	L	Q									
REQUIRED	205	515-690	45	35	40	140-217	100	60	60	64	64	64	64	64	64	64	64	64	64
EFFECTIVE	270	564	61	56	58	167	210	210	210	210	210	210	210	210	210	210	210	210	210
	265	569	60	55	59	167	220	220	220	220	220	220	220	220	220	220	220	220	220

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
 2.0 2.0 2.0 1.0 0.0 0.0 1.0 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/Подтверждаем, что поставленная продукция соответствует требованиям заказа
 Ratio of reduction-6,9:1

Date: 17.03.2021
 Manager of quality assurance
 department - V. Kapaieva
 Signed: 
 Zaporozhye
 Melted and Produced in Ukraine.
 MELTED and MANUFACTURED
 PrJSC " Dniprospsststal"
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US - testing yes Results: ASTM A388(A388M)-FBH1/8"; EN 10228-4 type 1a; class 3:OK

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