

Рот 80150 wot 7160 CPA 3 FOEL 40 - 100 pcs

C185037

PJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

L Contract No.: 20002
 TECHN.PROTOCOL № 390-11 SPEC.№ 3855/P040040
 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-10 GR B8M, CL1 (EXC PAR 7.2); ASME SA-193/SA-193M-10 GR B8, CL 1 (EXC PAR 7.3); NAC'E MR 0175-03; NAC'E MR 0103-10

Sheets: 5 Sheet: 1
 INSPECTION CERTIFICATE EN10204/3.1 Nr.317790
 PLANT ORDER № 8014903855



CUSTOMER
DSS INTERNATIONAL
 SA Switzerland

PRODUCT DESCRIPTION
 Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Прутки из коррозионностойких (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф.
STEEL MAKING PROCESS: EAF+AOD
СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР
 Round 5:250in/133.35 mm L=5.140m/16.852ft
Grade: 316/316L/1.4401/1.4404

QUANTITY: 1bund Q-5626 lb/2552 kg
 (number of pcs) 1bund Q-1292 lb/586 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 № A04386	.021	.36	1.36	.040	.022	16.85	10.26	2.07	.078	.23	.06	.05	.006	.09	.01	.033	.0078	.0024

DIN EN 10002-1, ASTM A370-09

MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R _{0.2} R _{1.0}		Tensile Strength, R _m , (N/mm ²)	Elongation		Reduction of area, Z % L	Brinell Hardness HB	Impact strength, KV, J	
	L	Q		A ₅ % L Q	In 2 inches (50mm) or 4D, min.% L			L	Q
REQUIRED	205	240	515-700	40 -	40	50	140-217	100	-
EFFECTIVE	275 277	308 309	565 557	69 - 67 -	68 66	82 82	167 167	208 208 208 210 210 210	-

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
3.0	2.0	2.0	1.0
0.0	0.0	0.0	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

Mechanical properties tested in state of delivery

US - testing yes Results: ASME SA-388/SA-388M-10 (ASTM A 388/A 388M-09)-FBH1/8"; EN 10308 type 1a; class 3:OK

Manufacturer: PJSC DNIPROSPETSSTAL
 Date: 27.02.17 Manager of quality assurance department - V. Kapaieva
 Signed:
 Zaporozhye
 Made in Ukraine.

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

SEP 19/17