

P01042 - 70

C/14783

PJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

Contract No.: 20007
 TECHN PROTOCOL № 390-11 SPEC № 3734/P033051-ED
 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 (EXC PAR 7.2), ASME SA-193/SA-193M-10 GR B8, CL1 (EXC PAR 7.3), NACE MR 0175-03, NACE MR 0103-10

Sheet: 4
 INSPECTION CERTIFICATE EN10204/5.1 Nr. 286833
 PLANT ORDER № 8014903734

CUSTOMER
 DSS INTERNATIONAL
 SA Switzerland

PRODUCT DESCRIPTION
 Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf
 Інше/Прутки из коррозионноустойчивых (нержавеющих) сталей горячекатаные, очищенные на линии Ландграф.
STEEL MAKING PROCESS: BAF+AOD
 СПОСОБ ВЫПЛАВКИ: Электродуговая перга+АКР
 Round 7.000mm/177.80 mm L=5.160m/16.918ft L=5.030m/16.492ft L=5.100m/16.721ft
 Grade: 316/316L/1.4404

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

QUANTITY:
 1bund Q-2350 lb/1066 kg
 1bund Q-2288 lb/1038 kg
 1bund Q-2324 lb/1054 kg
 (number of pcs)

ANALYSIS, %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N ₂	Sn	B
CAST № A01042	.019	.39	1.35	.036	.022	16.70	10.21	2.05	.068	.23	.04	.07	.005	.08	.014	.027	.010	.001

DIN EN 10002-1, ASTM A370-09

MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R _{0.2%} R _{1%}	Tensile Strength, (N/mm ²) R _m	Elongation		Reducti on of area, Z% L	Brinell Hardness HB	Impact strength, KV, J	
			A% Q	In 2 inches (50mm) or 4D _{min} % L			T	Q
REQUIRED	205	240	45.35	40	50	140-217	100	60
DIRECTIVE	264 261	288 286	522 528	61.54 62.55	59 58	152 156	224 271 276 283 280 278	87 84 85 77 82 88

Mechanical properties tested in state of delivery

US - testing yes Results: ASME SA-388/SA-388M-10/ASTM A 388/A 388M-09; FBII/8"-EN 10308 type 1e, class 3-OK

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

Zaporozhye
 Made in Ukraine.
 Manufacturer: PJSC DNIPROSPETSSTAL,
 Date: 06.08.14 Manager of quality assurance department - V. Kapayeva
 Signed: 