

PRJSC DNIPROSPETSSTAL, YUZHNOYE SHOSS E 81, 69008 ZAPOROZH YE, UKRAINE

Contract No.: 20002
TECHN.PROTOCOL № 390-11 SPEC.№ 3311/PO51685
DIN EN 10088-3-05, DIN EN 10272-08, AD2000-Merkblatt WZ,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,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 Nr. 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;Друтки из коррозионностойких (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф.
STEEL MAKING PROCESS: EAF+AOD
СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР
Round 5.000mm/127.00 mm L=5.220/17.000ft L=5.230m/17.000ft
Grade: 316/316L/1.4401/1.4404

QUANTITY:
(number of pcs) 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

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

DIN EN 10002-1,ASTM A370-09

MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R0.2% R 1.0%	Tensile Strength, Rm, (N/mm ²)	Elongation		Reduction of area, Z % L ₅	Brinell Hardness HB	Impact strength, KV, J L	Q
			A5% Q	In 2 inches (50mm) or 4Dmin,% L				
REQUIRED	205	515-700	40 -	40	50	140-217	100	-
EFFECTIVE	288 284	331 330	579 580	62 - 63	61 61	79 79	240 240 240 241 241 241	-

Mechanical properties tested in state of delivery

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

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

Date: 03.10.2021 Manager of quality assurance
Department - V. Kapaleva Signed:
Zaporozhye
Melted and Produced in Ukraine.
MELTED and MANUFACTURED
PrJSC " Dnipropetsstal"
Phone number +380612834255
e-mail: info@dss.com.ua
http://www.dss-ua.com

[Signature]

P.O. # 6176 Part # 02-FOLLE_40/STD-5TO. Desc: 2" CPA Flow Nozzle SCH 40/STD SW. 5TO. 453

BORSS

(Material: 316 S/S)