


C291179

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 <p>TUV THE PRODUCT GROUP GMS Certified</p>	<p>CUSTOMER DSS INTERNATIONAL SA Switzerland</p>	<p>PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel hot rolled, peeled on Landgraf line. Прутки из коррозионноустойчивых (нержавеющих) сталей горячекатаные, обточенные на линии Ландграф. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 5.000in/127.00 mm L=17.148ft/5.230 m L=16.885ft/5.150 m L=17.115ft/5.220 m Grade: 316/316L/1.4401/1.4404</p>	<p>INSPECTION CERTIFICATE EN10204/3.1 Nr. 368570 PLANT ORDER № 8014901723</p>
			<p>QUANTITY: (number of pcs) 1bund Q-3576 lb/1622 kg 1bund Q-2319 lb/1052 kg 1bund Q-1190 lb/540 kg</p> <p>Delivery condition solution annealed 1900°F(1040°C)water 30minutes термообработка:закалка в воду</p>

ANALYSIS, %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N	Sn	B
REQUIRED	<0.30	<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 № A09715	.020	.47	1.38	.040	.022	17.08	10.19	2.07	.063	.29	.06	.04	.005	.17	.01	.028	.009	.0021

MECHANICAL PROPERTIES	Yield Strength, (N/mm ²) R0.2% R 1.0%		Tensile Strength, Rm, (N/mm ²)	Elongation		Reduction of area, Z % L	Brinell Hardness HB	Impact strength, KJ, J	
	L	Q		As %	In 2 inches (56mm) or 4D, min.% L			L	Q
REQUIRED	205	240	515-700	40	40	50	140-217	100	-
EFFECTIVE	299 302	337 344	555 562	60 60	58 58	79 79	163 163	205 205 205 200 200 200	-

TECHNICAL REQUIREMENTS:
 Macrostructure – GOOD
 GRAIN SIZE: 5 to ASTM E 112-96(2004)
 Non-metallic inclusions ASTM E 45-05 (Method A)
 A B C D
 thin thick thin thick thin thick thin thick
 2.5 2.0 2.0 1.5 0.0 0.0 1.0 1.0
 ICC-ASTM A262-08 (practice E)-test: ●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 1a, class 3-OK	Date: 12.04.2021 Manager of quality assurance department - V. Kapaeva Zaporozhyye Melted and Produced in Ukraine. MELTED and MANUFACTURED PrJSC "DniprospeStal" Phone number +380612834255 e-mail: info@dss.com.ua http://www.dss-ua.com
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Radiation free; mercury free. No Weld or Weld repair.



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