



C252860

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

		Contract No.: 20002 TECHN.PROTOCOL № 390-11 SPEC.№3294/PO46349 DIN EN 10088-3-05,DIN EN 10272-08,DIN EN 10222-5-00,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 B8,CL1;NACE MR 0175-03;NACE MR 0103-10										Sheets:4 Sheet: 1 INSPECTION CERTIFICATE EN10204/3.1 Nr.349346 PLANT ORDER № 8014903294																							
 GMS Certified		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: Электродуговая печь+АКР Round 18.750in/476.25 mm L=4.623 ft/1.410m L=6.328 ft/1.930m Grade: 316/316L/1.4401/1.4404					QUANTITY: (number of pcs) 1bund Q-4524 lb/2052 kg 1bund Q-6239 lb/2830 kg																							
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 № A07342		.020	.53	1.36	.040	.026	16,75	10.25	2.10	.08	.31	.05	.06	.005	.10	.011	.033	.010	.0024																
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		Reducti on of area, Z % L	Brinell Hardness HB	Impact strength, KV, J		TECHNICAL REQUIREMENTS: Macrostructure – GOOD GRAIN SIZE : 6 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A) <table border="1" style="width: 100%; text-align: center;"> <tr> <td>A</td><td>B</td><td>C</td><td>D</td> </tr> <tr> <td>thin</td><td>thick</td><td>thin</td><td>thick</td> </tr> <tr> <td>2.5</td><td>2.0</td><td>2.0</td><td>1.0</td> </tr> <tr> <td>0.0</td><td>0.0</td><td>0.0</td><td>1.0</td> </tr> </table> 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-7.5:1										A	B	C	D	thin	thick	thin	thick	2.5	2.0	2.0	1.0	0.0	0.0	0.0	1.0
				A	B			C	D																										
thin	thick	thin	thick																																
2.5	2.0	2.0	1.0																																
0.0	0.0	0.0	1.0																																
As % L Q	In 2 inches (50mm) or 4D,min,% L	L	Q																																
REQUIRED	205	240	515-690	45 35	40	50	140-217	100	60																										
EFFECTIVE	294	312	570	60 54	58	79	167	213 213 213	64 64 64																										
Mechanical properties tested in state of delivery																																			
US - testing		yes	Results: ASTM A388/A388M-FBH1/5";EN 10228-4 type 1a;class 3:OK																																
Radiation free; mercury free. No Weld or Weld repair.																																			
										Date: 13.09.19 Manager of quality assurance department - V. Kapaieva Signed: Zaporozhye Melted and Produced in Ukraine. MELTED and MANUFACTURED PrJSC " Dniprospetsstal" Phone number +380612834255 e-mail:info@dss.com.ua http://www.dss-ua.com																									

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