



SN 6329

B TB240

C 326134

PrJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

 <p>QMS 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+AKP Round 3.250in/82.55 mm L=5.660/18.557ft L=5.660/18.557ft L=3.480/11.410ft Grade: 316/316L/1.4401/1.4404</p>										<p>Sheets:6 Sheet: 1 INSPECTION CERTIFICATE EN10204/3.1 Nr. 377841 PLANT ORDER № 8014905008</p>																																																															
		<p>QUANTITY: (number of pcs) 1bund Q-2169 lb/984 kg 1bund Q-3792 lb/1720kg 1bund Q-767 lb/348 kg</p>		<p>Delivery condition solution annealed :1900⁰F(1040⁰C)water 30minutes термообработка:закалка в воду</p>																																																																							
<p>ANALYSIS, %</p> <table border="1"> <thead> <tr> <th></th> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Cr</th> <th>Ni</th> <th>Mo</th> <th>Al</th> <th>Cu</th> <th>V</th> <th>W</th> <th>Ti</th> <th>Co</th> <th>Nb</th> <th>N</th> <th>Sn</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>REQUIRED</td> <td><.030</td> <td><1,00</td> <td>1.20-2.00</td> <td><.040</td> <td>.015-.030</td> <td>16.50-18.00</td> <td>10.00-13.00</td> <td>2.00-2.50</td> <td><.10</td> <td><.40</td> <td><.10</td> <td><.20</td> <td><.15</td> <td><.40</td> <td><.20</td> <td><.10</td> <td></td> <td></td> </tr> <tr> <td>CAST № A10843</td> <td>.023</td> <td>.51</td> <td>1.48</td> <td>.037</td> <td>.022</td> <td>16.95</td> <td>10.23</td> <td>2.05</td> <td>.072</td> <td>.22</td> <td>.05</td> <td>.06</td> <td>.005</td> <td>.16</td> <td>.01</td> <td>.036</td> <td>.0061</td> <td>.0021</td> </tr> </tbody> </table>																				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 № A10843	.023	.51	1.48	.037	.022	16.95	10.23	2.05	.072	.22	.05	.06	.005	.16	.01	.036	.0061	.0021
	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 № A10843	.023	.51	1.48	.037	.022	16.95	10.23	2.05	.072	.22	.05	.06	.005	.16	.01	.036	.0061	.0021																																																									
<p>DIN EN 10002-1,ASTM A370-09</p> <table border="1"> <thead> <tr> <th rowspan="2">MECHANICAL PROPERTIES</th> <th colspan="2">Yield Strength, (N/mm²) R0.2% R 1.0%</th> <th rowspan="2">Tensile Strength, Rm, (N/mm²)</th> <th colspan="2">Elongation</th> <th rowspan="2">Reduction of area, Z % L</th> <th rowspan="2">Brinell Hardness HB</th> <th colspan="2">Impact strength, KV, J</th> </tr> <tr> <th>A5% L</th> <th>Q</th> <th>In 2 inches (50mm) or 4D,min,% L</th> <th>L</th> <th>Q</th> </tr> </thead> <tbody> <tr> <td>REQUIRED</td> <td>205</td> <td>240</td> <td>515-690</td> <td>40 -</td> <td>40</td> <td>50</td> <td>140-217</td> <td>100</td> <td>-</td> </tr> <tr> <td>EFFECTIVE</td> <td>288 292</td> <td>320 323</td> <td>568 568</td> <td>60 - 59 -</td> <td>59 58</td> <td>78 77</td> <td>167 167</td> <td>215 215 215 212 212 212</td> <td>-</td> </tr> </tbody> </table>																			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, KV, J		A5% L	Q	In 2 inches (50mm) or 4D,min,% L	L	Q	REQUIRED	205	240	515-690	40 -	40	50	140-217	100	-	EFFECTIVE	288 292	320 323	568 568	60 - 59 -	59 58	78 77	167 167	215 215 215 212 212 212	-																						
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, KV, J																																																																			
	A5% L	Q		In 2 inches (50mm) or 4D,min,% L	L			Q																																																																			
REQUIRED	205	240	515-690	40 -	40	50	140-217	100	-																																																																		
EFFECTIVE	288 292	320 323	568 568	60 - 59 -	59 58	78 77	167 167	215 215 215 212 212 212	-																																																																		
<p>MECHANICAL PROPERTIES TESTED IN STATE OF DELIVERY</p>										<p>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 thin thick thin thick 2.5 2.0 2.0 2.0 0.0 0.0 1.0 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 Ratio of reduction-45.3:1</p>																																																																	
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.										<p>Date: 31.05.2022 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</p> 																																																																	

Provided by CPA

www.flowconditioner.com,info@cpacl.ca