



Customer: RYECAL PO#:714657 SO#:HZ9262

Item:RB6L0832 Bundle:DS85303005 Heat#:97070

97070

DS 85303005
DRB 2301


PJSC DNIPROSPETSSTAL, YUZHNOYE SHOSSE 81, 69008 ZAPOROZHYE, UKRAINE

	Contract No.: 50005 TECHN.PROTOCOL № 210-11 SPEC.№4293/PO L34189 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-10 GR B8M,CL1 ;ASME SA-193/SA-193M-10GR B8M,CL1;ASTM A320/A320M-08GR B8M,CL 1;ASME SA-320/SA-320M-10 GR B8M,CL 1;NACE MR 0175-03;NACE MR 0103-10		Sheets:10 Sheet: 4 QUALITY CERTIFICATE EN10204(3.1) Nr.254681 PLANT ORDER № 8023404293
	 CUSTOMER DSS INTERNATIONAL SA Switzerland Commodity code RB6L0832/DS QMS Certified	PRODUCT DESCRIPTION Bars and rods of corrosion-resistant (stainless) steel forged, peeled.Пруття из коррозионностойких (нержавеющих) сталей кованные, обточенные. STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электродуговая печь+АКР Round 8.500in/215.90 mm L=3.65m/11.967ft; Grade: 316/F316/316L/F316L	QUANTITY: 1bund Q-2434 lb/1104kg (number of pcs) Delivery condition solution annealed :1900-2010° F(1040-1100° C)/water термообработка:закалка в воду

ANALYSIS, %	C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu	V	W	Ti	Co	Nb	N ₂
REQUIRED	<.030	<1.00	1.25-2.00	<.040	.020-.030	16.00-18.00	10.00-14.00	2.00-3.00	<.10	<.40	<.10	<.20	<.15	<.40	<.20	<.10
CAST № 97070	.018	.42	1.34	.032	.020	16,76	10.18	2.02	.051	.23	.05	.12	.090	.08	.014	.0210

MECHANICAL PROPERTIES	Yield Strength, Ksi(N/mm ²) Re (R _{eL})	Tensile Strength, Rm,ksi (N/mm ²)	Elongation A ₅ %	Reduction of area, Z %	Brinell Hardness HB	Impact strength, KV, J	TECHNICAL REQUIREMENTS:									
							Macrostructure – GOOD GRAIN SIZE : 5 to ASTM E 112-96(2004) Nonmetallic inclusions ASTM E 45-05 (Method A)									
REQUIRED	30(205)	75 (515)	45	50	140-223	100	A	B	C	D						
EFFECTIVE	47.7(328)	87.4(600)	62	77	174	295	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick
							3.0	2.0	2.0	1.5	0.0	0.0	1.0	1.0		

Mechanical properties tested in state of delivery

US - testing	yes	Results: SEP 1921, group 3/class Cc - OK	Manufacturer: PJSC DNIPROSPETSSTAL Date: 09.11.11 Manager of quality assurance department - V. Kapaieva Signed: 
Radiation free; mercury free. No Weld or Weld repair.			Zaporozhye Made in Ukraine.