

CA 3582

95500 (18.75")



DNEPROSPETSSTAL, YUZHNOYE SHOSSE 81, ZAPOROZHYE 69008, UKRAINE

QMS Certified

Contract No.: 50005

TECHN.PROTOCOL № 210-06 SPEC.№0713/PO22275.

ASTM A182/A182M-05:ASME SA-182/SA-182M-04:ASTM A276-04:

ASTM A479/A479M-04:ASTME SA-479/SA-479M-04;ASTM A484/A484M-05; AMS-QQ-S-763A-03

Cond.A;NACE MR 0175-2003;AMS 5648K-02;AMS 5653F-02; ASTM A193/A193M-04c GR B8M.CLI (EXC PAR 6.3)

ASME SA-193/SA-193M-04GR B8M,CLI(EXC PAR 6.3):

EN10204/3.1

Sheets:8

Sheet: 8

QUALITY CERTIFICATE Nr.239780

PLANT ORDER № 8014900713

CUSTOMER „DSS INTERNATIONAL SA“ Switzerland	PRODUCT DESCRIPTION	QUANTITY:
	Bars and rods of corrosion-resistant (stainless) steel forged, peeled Прутки из коррозионностойких (пержавленных) сталей кованные, обточенные STEEL MAKING PROCESS: EAF+AOD СПОСОБ ВЫПЛАВКИ: Электроплавочная печь+АКР Round 18.750in/476.25 mm L=2.96m/9.70 ft Grade: 316/F316/316L/F316L	1bund Q-9484 lb/4302kg (number of pcs)
	Delivery condition	
	solution annealed :1900-2010° F(1040-1100°C)/water термообработка:закалка в воду	

ANALYSES, %	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
HEAT № 95500	.022	.28	1.42	.035	.022	17.02	10.80	2.03	.074	.26	.04	.20	.072	.10	.021	.026

MECHANICAL PROPERTIES „ASTM A370-08a“	Yield Strength. Ksi(MPA)	Tensile Strength, Rm.ksi (N/mm ²)	Elongation in 2 inches (50mm) or 4D, min, % (ASTM A370)	Reduction of area, % Z %	Brinell Hardness HB	Impact strength, KV. J	TECHNICAL REQUIREMENTS:									
							Macrostructure - GOOD	GRAIN SIZE: 5 to ASTM E 112	Nonmetallic inclusions ASTM E 45 (Method A)	ICC-ASTM A262-02a(Method E)-test: O.K.						
REQUIRED	36(248)	75 (515)	45	50	140-223	100	thin	thick	thin	thick	thin	thick	thin	thick	thin	thick
EFFECTIVE	39.5(269)	83.8(570)	57	77.5	163	265	2.0	1.0	2.0	1.0	0.0	0.0	1.0	1.0		

Mechanical properties tested in state of delivery

US - testing yes Results: SEP 1921. 3/ Cc - O.K. Manufacturer: JSC DNEPROSPETSSTAL
Date: 09.11.10 Signed: *[Signature]*

Radiation free; mercury free. No Weld or Weld repair. Zaporozhnye
Made in Ukraine.

