

OSCAR

PRODUCTION GROUP



MANUFACTURER OF SEAMLESS TUBES & PIPES

**TITANIUM ALLOYS
NICKEL ALLOYS
STAINLESS
STEELS**

FOR

**AEROSPACE
NUCLEAR POWER
SHIPBUILDING
CHEMICAL/PETROCHEMICAL
PROCESS ENGINEERING
OFFSHORE INDUSTRY**

ISO 9001: 2015

EN 9100:2018



TBI74

1976

production start of precision tubes for aerospace, nuclear and defence application in Cold Shop #4 of Nikopol Yuzhnotrubny Plant



HKAY
ДП НТЗ

2003

Nikopol Tube Plant State Enterprise was established on the basis of Cold Shop #4 as the result of restructuring of Nikopol Yuzhnotrubny Plant JSC



OSCAR
PRODUCTION GROUP

2008

OSCAR Production Group acquired the assets of Nikopol Tube Plant State Enterprise and invested in reconstruction and modernization



OSCAR
PRODUCTION GROUP

2011

Hot extrusion facilities were acquired to start own production of hot formed mother tubes

SPACE



DEFENCE



AIRCRAFT



GAS & OIL



CHEMICAL



SHIPBUILDING



PETROCHEMICAL



NUCLEAR



PROCESS ENGINEERING



POWER GENERATION



**TITANIUM ALLOYS
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APPLICATION

**AEROSPACE
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TITANIUM ALLOYS
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STAINLESS STEELS

OSCAR Production Group is a leading manufacturer of high quality heat and corrosion resistant tubes and pipes in titanium alloys, nickel alloys and stainless steels.

OSCAR Production Group was founded on the manufacturing and technical facilities of the Tube Drawing Workshop No. 4. (TDW-4) of the original Nikopol Yuzhnotrubby Plant (NYTB) in Ukraine, which was built in 1935. In 1976 TDW-4 plant started to specialize in the cold forming technology (cold rolling and cold drawing) production of high-tech tubes and pipes for the Nuclear, Aerospace, Shipbuilding and Defence. Due to our long experience in manufacturing of tubes for special

applications and highly skilled technical personnel we can produce high quality products according to existing standards and with very tight tolerances.

OSCAR Production Group continues this tradition by investing in innovations to maintain a leading position in the manufacture of tubes and pipes for special applications.

OSCAR Production Group's cold drawing and forming plant has a very large capacity. The plant's territory is 140 000 square metres. It has 34 units of rolling equipment, including 12 cold pilger mills, 16 tube rolling mills of roller design and 6 drawing mills.



DEVELOPMENT
AND FACILITIES

TYPE AND DIMENSIONS

AEROSPACE
NUCLEAR POWER
SHIPBUILDING
CHEMICAL/PETROCHEMICAL
PROCESS ENGINEERING
OFFSHORE INDUSTRY

TUBES DIMENSIONS

WALL THICKNESS

mm	WALL THICKNESS																												
	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0	7,5	8,0	8,5	9,0	9,5	10	
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80																													
85																													
90																													
95																													
100																													

OUTSIDE DIAMETER

TITANIUM ALLOY SEAMLESS TUBES, PIPES & BARS

MATERIAL	UNS	No	W.N.	ASTM B/ ASME SB	DIN/EN	AMS
Gr.1	R50250	Ti1	3.7025	338, 861, 348	17861, Vd TUV WB 230/2	
Gr.2	R50400	Ti2	3.7035	338, 861, 348	17861, Vd TUV WB 230/2	4942

NICKEL ALLOY SEAMLESS TUBES & PIPES

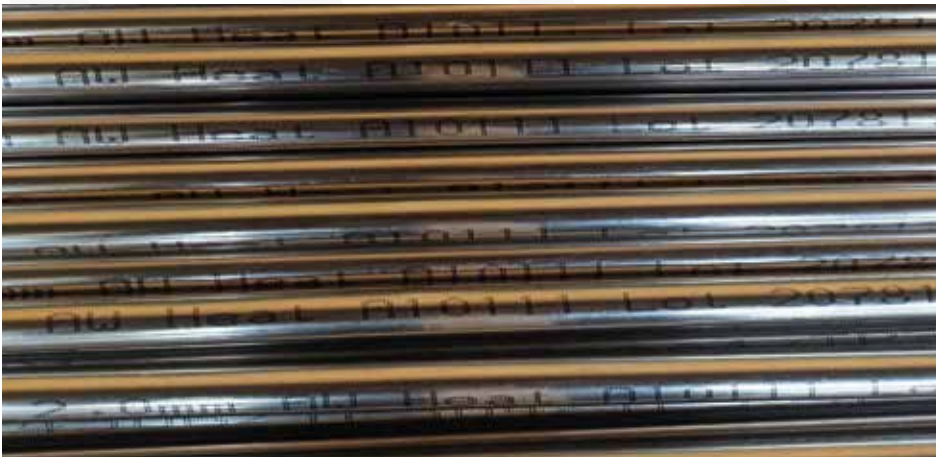
MATERIAL	UNS	No	W.N.	ASTM B/ ASME SB	DIN/EN
ALLOY 200	N02200	Ni99.2	2,4066	163, 161	17751
ALLOY 201	N02201	LC_Ni99	2,4068	163, 161	17751
ALLOY C22	N06022	NiCr21Mo14W	2,4602	622	17751
ALLOY C276	N10276	NiCr16Mo15W	2,4819	622	17751
ALLOY 59	N06059	NiCr23Mo16Al	2,4605	622	17459
ALLOY 400	N04400	NiCu30Fe	2,4360	165	17751
ALLOY 600	N06600	NiCr15Fe	2,4816	163, 167	17459
ALLOY 601	N06601	NiCr23Fe	2,4851	163, 167	17751
ALLOY 625	N06625	NiCr22Mo9Nb	2,4856	444, 829	AMS
ALLOY 718	N07718	NiCr19NbMo	2,4668	444	5581 Type 1
ALLOY 800	N08800	X10NiCrAlTi33-20	1,4876	163, 407	5589
ALLOY 800H	N08810	X5NiCrAlTi31-20	1,4958	163, 407	
ALLOY 825	N08825	NiCr21Mo	2,4858	163, 423	

**TITANIUM ALLOYS
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STAINLESS STEELS**



GRADES AND STANDARDS

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STAINLESS STEEL SEAMLESS TUBES & PIPES

MATERIAL	UNS	No	W.N.	ASTM B/ ASME SB	DIN/EN	AMS
TP304	S30400	X5CrNi18-10	1.4301	213, 269, 312	10216-5	5560, 5567 Type 1
TP304H	S30409	X7CrNi18-9	1.4948	213, 269, 312	10216-5	
TP304L	S30403	X2CrNi19-11 X2CrNi18-9	1.4306 1.4307	213, 269, 312	10216-5	
TP304LN	S30453	X2CrNiN18-9	1.4311	213, 269, 312	10216-5	
TP309S	S30908	X15CrNiSi20-12	1.4828	213, 312	10095, SEW 470	
TP310S	S31008	X8CrNi25-21	1.4845	213, 269, 312	10297-2, SEW 470	5573
TP314	S31400	X15CrNiSi25-21	1.4841	213, 269, 312	10095, SEW 470	
TP316	S31600	X5CrNiMo17-12-2	1.4401	213, 269, 312	10216-5	
TP316H	S31609	X6CrNiMo17-13	1.4919	213, 269, 312	10216-5	
TP316L	S31603	X2CrNiMo18-14-3	1.4435	213, 269, 312	10216-5	
TP316L	S31603	X2CrNiMo17-12-2	1.4404	213, 269, 312	10216-5	
TP316LN	S31653	X2CrNiMoN17-11-2	1.4406 1.4429	213, 269, 312	10216-5	5557, 5570 Type 1
TP316Ti	S31635	X6CrNiMoTi17-12-2	1.4571	213, 269, 312	10216-5	
TP317	S31700	X6CrNiMo19-13-4	1.4445	213, 269, 312	10216-5	5571
TP321	S32100	X6CrNiTi18-10	1.4541	213, 269, 312	10216-5	
TP321H	S32109	X7CrNiTi18-10	1.4941	213, 269, 312	10216-5	
TP347	S34700	X6CrNiNb18-10	1.4550	213, 269, 312	10216-5	
TP904L	N08904	X1NiCrMoCu25-20-5	1.4539	213, 269, 312	10216-5	
Alloy 254	S31254	X1CrNiMoCuN20-18-7	1.4547	213, 269, 312	10216-5	
XM-19	S20910			213, 269, 312		
Duplex	S31803/S32205	X2CrNiMoN22-5-3	1.4462	789, 790	10216-5	
Superduplex	S32750	X2CrNiMoN25-7-4	1.4410	789, 790	10216-5	

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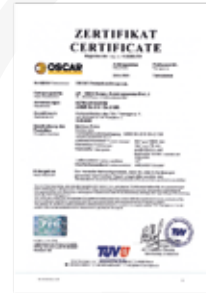
PRODUCTION RANGE COLD DRAWN SEAMLESS TUBES

1.0 mm - 100.0 mm outside diameter
(0.04" - 3.94" outside diameter)
0.16 mm - 10 mm wall thickness
(0.006" - 0.394" wall thickness)

COLD DRAWN SEAMLESS PIPES

Titanium alloys
6.0 mm - 60.3 mm outside diameter
(0.236" - 2.374" outside diameter)
0.4 mm - 5 mm wall thickness
(0.016" - 0.197" wall thickness)
up to 10 m length
Nickel alloy
1.6 mm - 60.3 mm outside diameter
(0.063" - 2.374" outside diameter)
0.5 mm - 5.54 mm wall thickness
(0.020" - 0.218" wall thickness)
up to 12.6 m length
Stainless steel
1.0 mm - 100.0 mm outside diameter
(0.039" - 3.937" outside diameter)
0.16 mm - 10.0 mm wall thickness
(0.006" - 0.394" wall thickness)
up to 26 m length

OSCAR Quality management system is certified in accordance to EN ISO 9001:2015, PED 97/23/EC and AD 2000-Merkblatt W0, EN 9100:2018. The mill has NORSOK M-650 and NADCAP certification.



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STAINLESS STEELS



QUALITY CONTROL

OSCAR PRODUCTION GROUP QUALITY CONTROL DEPARTMENT GUARANTEES COMPLIANCE TO ALL INTERNATIONAL STANDARDS AND SPECIFICATIONS

OSCAR Production Group has highly skilled technical personnel and fully equipped laboratories to perform any test or inspection upon customer's request. There are a metallurgy laboratory and department for non-destructive test and inspection. All tests and inspections are carried out in accordance to both domestic and International standards for all tubular and bar products. We provide incoming raw material control, so traceability is ensured and high quality control is guaranteed.

Our products are used in different industries with severe process applications such as the Nuclear Power, Aerospace, Chemical and Petrochemical, Oil & Gas, Offshore, Shipbuilding, Process Engineering, Space and Defence industries. Therefore product quality is controlled at all stages of production, right up to shipment. All technological processes are controlled, monitored and results of measurement are recorded and kept on side.

OSCAR Production Group provides the following types of quality control:

- Visual inspection of external and internal surfaces with usage of optical equipment facilities
- Measurement of geometrical dimensions
- Instrumental control for estimation of the quality of external and internal surfaces, metal density and microstructure analysis
- Measurements of the tube surface roughness, measurements of dimensions and wall thickness over the entire tube length
- Steeloscopes (for Alloys), chemical and spectral analysis for steel and alloy grade control
- Third Party inspection upon customer's request

CERTIFICATION QUALITY CONTROL

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SALES AND ADMINISTRATION

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PRODUCTION AND TECHNOLOGY

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