

# ATI Alloys for Oil & Gas

## Alloys for Tomorrow's Challenging Environments



Stainless Steels	UNS	Alloy Type	Cr	Ni	Mo	Cu	N	Other	PREN**	Properties & Applications
ATI Staballoy AG17®		Austenitic	17	0.5			0.5	20Mn	25	Non-magnetic for directional drilling
ATI Datalloy 2®		Austenitic	15	2.3	2.1		0.4	15Mn	29	Non-magnetic for directional drilling
ATI Datalloy HP™	N08830	Austenitic	22	30	5	1	0.4	2Co	46	Premium non-magnetic for directional drilling
ATI 17-4™	S17400	Precipitation Hardenable	16	4		3.5		0.3Nb	16	High strength for drilling equipment
ATI 13-8™ ATI 13-8 SuperTough®	S13800	Precipitation Hardenable	13	8	2.2			1Al	20	High strength for drilling equipment
ATI 15-5™	S15500	Precipitation Hardenable	15	5		3.5		0.3Nb	15	High strength for drilling equipment
ATI S240®	S11900	Precipitation Hardenable	12	10	1.3	1.0		1W, 1Al	18	Higher strength and toughness than 13-8
AL-6XN®	N08367	6Mo Austenitic	21	24	6.3		0.23		45	Seawater and sour service
AL-6XN PLUS™	N08367	7Mo Austenitic	22	25	6.8		0.25		48	Seawater and severe sour service
ATI 904L™	N08904	4Mo Austenitic	21	25	4.5	1.5			35	Moderate sour service
Zeron® 100*	S32760	25Cr Superduplex	25	7	3.5	0.6	0.25	0.6W	42	Seawater and sour service
ATI 2205™	S32205	22Cr Duplex	22	5.8	3.3		0.17		36	Top side and subsea systems
ATI 2003®	S32003	Lean Duplex	21	3.5	1.7		0.17		30	Top side and subsea systems
ATI 2304™	S32304	Lean Duplex	23	4.5	0.3		0.1		26	Top side and subsea systems
ATI 2102®	S82011	Mo Free Lean Duplex	21	1.6	0.2		0.2	3Mn	25	Top side and subsea systems
ATI 316L™	S31603	Austenitic	17	10	2.5				25	Top side and downhole
ATI Nickel Alloys	UNS	Alloy Type	Ni	Cr	Mo	Cu	Fe	Other	PREN**	Properties & Applications
ATI 825™	N08825	Non Hardenable	41	21	3	2	32	1Ti	31	Flow lines and injection lines
ATI 925™	N09925	Age Hardenable	44	21	3	2	28	2Ti	31	Well head and completion equipment
ATI 625™	N06625	Non Hardenable	63	21	9		4	3.7Nb	51	Severe sour service
ATI 725™	N07725	Age Hardenable	57	21	9		8	1.5Ti, 3.5Nb	51	High strength, sour service
ATI 276™	N10276	Non Hardenable	60	16	16		5	3.5W	75	Extreme sour service with chlorides
ATI 22™	N06022	Non Hardenable	60	21	14		3	3W	72	Extreme sour service with chlorides
ATI 59™	N06059	Non Hardenable	59	23	16				76	Extreme sour service with chlorides
ATI 718-OP®	N07718	Age Hardenable	53	19	3		19	5Nb	29	Well head and completion equipment
ATI 35N™	R30035	Age Hardenable	35	20	10			35Co	53	Wireline and pressure vessels
ATI 400™	N04400	Non Hardenable	67			32	1		N/A	Marine applications
ATI K-500™	N05500	Age Hardenable	65			32		2.7Al	N/A	Marine applications with high strength
ATI 36™	K93600	Non Hardenable	36				64		N/A	Controlled thermal expansion alloy
Titanium Alloys	ASTM/UNS	Alloy Type	Fe	Cr	Mo	V	Zr	Al	Other	Properties & Applications
Grade 1	R50250/Gr.1	CP Alpha	0.15						0.12 O	Plate heat exchangers for top sides
Grade 2	R50400/Gr.2	CP Alpha	0.2						0.15 O	Fire suppression systems, piping
Grade 7	R52400/Gr.7	CP Alpha	0.25						0.2Pd	High chloride with low pH corrosion resistance
ATI 425®	Gr.38	Alpha-Beta	1.5			2.5		4	0.25 O	Formable with high strength
ATI 6-4™	R56400/Gr.5	Alpha-Beta	0.15			4		6.3	0.15 O	The most versatile, high strength Ti alloy
ATI 6-2-4-6™	R56260	Alpha-Beta			6		4	6	2Sn	High strength + sour service capability
ATI 15Mo™	R58150	Beta	0.1		15					Very high corrosion resistance
ATI 38-644™	R58640/Gr.19	Beta	0.18	6	4	8	4	3.5		High strength for drilling and completion equipment

\*Zeron® is a registered trademark of Rolled Alloys UK Ltd.

\*\* PREN=Cr +3.3 (Mo + 0.5W) +16N

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## ATI Global Locations



## ATI Global Contacts

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