MADE AND MELTED IN AMERICA

Straight-seam ERW Pipe Piling

Atlas Pipe Piles

Straight-seam Electric Resistance Welding (ERW) Pipe Piling:

Support for deep foundations

Our ERW steel pipe piles are the strongest and most reliable in the industry. They support bridges and structures for civil, private and government projects worldwide.

Friction and load-bearing geotechnical applications

Mill test reports for quality assurance

Structural and metallurgical engineers on staff

Quick turnaround

Plain or beveled ends

Good weldability

Ranges from 10 to 20 NPS

Rolling cycles of 4–6 weeks

Drop-in rolling capabilities

Meet ARRA's strict standards

Quality Product, Readily Available
We focus on meeting all your needs, delivering quality product directly to your project site at a price that fits your budget. Our drop-in rollings and manufacturing process allow for efficient turnarounds, even of large volumes. You can place orders and check inventory, rolling schedules and available tons at atlaspipepiles.com

We're There When You Need Us
Our shipments are quick and cost-effective, so you save time and money. We can run a length of 16 x .500 85 feet long every 90 seconds, or our mills can produce in excess of 1,000/1,200 tons per shift. We can roll non-standard wall thickness to save on the cost of the piles (by having a thinner wall). Contact us anytime to find a stocking partner near you.

Made and Melted in America
When your domestic project requires products that meet ARRA's strict standards, we'll ship your pipe piles directly from our domestic facility in Chicago, Illinois.

Green and Sustainable
Our team supports your green initiatives. We use innovative practices and technologies to reduce waste and promote sustainability. Plus, steel's high recycled content and high reclamation rate make it the ideal material for green buildings and structures.

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Hands-on support services

RFQ and Order Review
Our sales, quality, scheduling, production and engineering support groups review every RFQ and order, confirming that work proceeds according to your project control plan.

Logistics Support
Our logistics team connects you with the best carriers in the business, ensuring that your product arrives on time, anywhere in North America — via truck, barge or rail. Contract truckers drop trailers at our plant for pre-shipment loading, speeding up the process even more.

Short- and Long-term Storage
We offer local transloading services, providing inside and outside storage for up to 12 months.

Testing and Quality Checks
We provide complete quality assurance for each of the following: receiving, production, post-production, shipping, value-added manufacturing, LEED compliance, third-party inspection and mill test reports (MTRs).

Shipping and Invoicing Review
We understand that every order has unique requirements, and we prepare the paperwork accordingly to prevent bottlenecks. We provide custom stenciling and a packing list at the time of shipping.

For more information, call **800.733.5683** or visit **atlaspipepiles.com**

Steel Grade Specifications

CHICAGO, USA
A500
A252

Specialty Grades
High-strength low-alloy (HSLA)
Copper-bearing (CU)

Outer Diameter[1]
A500—1.315 to 20'
A252—4.500 to 20'

Gauge[2]
.250 to .625

Length[3]
21 to 125'

HARROW, CANADA
A500
A252
CSA G40.21

Outer Diameter[1]
A500—4.500 to 16
A252—4.500 to 16

Gauge[2]
.219 to .688

Length[3]
20 to 120'

A500 Gr. C
46,000 min. psi yield
62,000 min. tensile
Elongation in 2" —21%

A252 Gr. 2
35,000 min. psi yield
60,000 min. tensile
Elongation in 2" —25%

A252 Gr. 3
45,000 min. psi yield
66,000 min. tensile
Elongation in 2" —20%

ASTM A500 Gr. C Modified
50,000 min. yield

ASTM A252 Gr. 3 Modified
50,000 min. yield

ASTM A500 Gr. C Modified
60,000 min. yield

ASTM A252 Gr. 3 Modified
60,000 min. yield

ASTM A500 Gr. C Modified
70,000 min. yield

Copper-bearing (CU)
.2% copper

HSLA
High-strength low-alloy

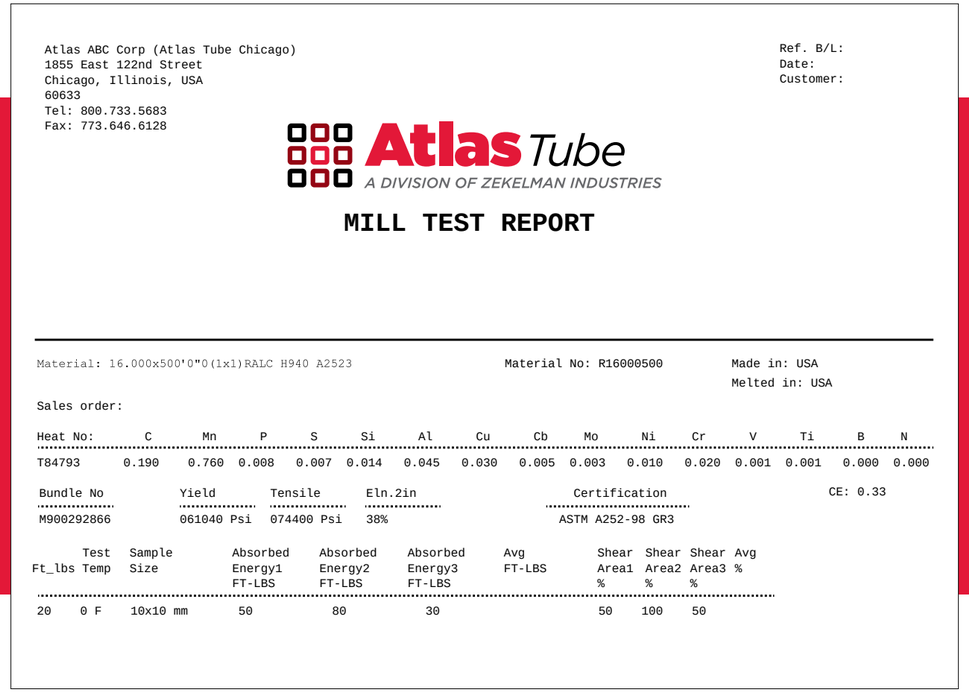
[1] Atlas Pipe Piles does not weigh each individual length of tube. Weight is controlled by utilizing minimum-gauge coil stock. Weight should not vary more than 15% over or 5% under theoretical weight, calculated using its length and weight per unit.

[2] Wall thickness at any point should not be more than 12.5% under the specified nominal wall thickness.

[3] Atlas Pipe Piles will only ship prime full-length piling—no mid-weld splices.

OUTSIDE DIAMETER	PIPE SIZE	PIPE SCHEDULE SIZES								WEIGHT/FOOT INDICATES MILL CAPABILITY															
		10	20	30	40	STD	60	80	XS	16 ga	14 ga	13 ga		12 ga	11 ga	1/8	10 ga	3/16	1/4	5/16	3/8	.400	1/2	5/8
										0.065	0.083	0.095	0.100	0.109	0.120	0.134	0.188	0.250	0.313	0.313	0.400	0.400	0.500	0.625
1.245											1.031	1.168		1.324	1.443	1.497								
1.250													1.229	1.330	1.450									
1.315	1.00	.109 1.404			.133 1.679	.133 1.679						1.239		1.404		1.590								
					.133 1.68	.133 1.68		.179 2.17	.179 2.17	0.869	1.093	1.239	1.299	1.405	1.533	1.590	1.692							
1.660	1.00	.109 1.404			.140 2.273	.140 2.273																		
					.140 2.27	.140 2.27		.191 3.00	.191 3.00	1.108	13.999	1.589	1.668	1.807		2.051	2.186							
1.900	1.50	.109 2.085			.145 2.72	.145 2.72		.200 3.63	.200 3.63	1.275	1.612	1.833	1.924	2.087		2.372	2.530	3.432						
					.145 2.72	.145 2.72		.200 3.63	.200 3.63		1.612	1.833	1.924	2.087	2.830	2.372	2.530	3.432	4.410					
2.000											1.701				2.412	2.505								
2.250											1.923			2.495		2.840	3.031	4.144						
2.375	2.00	.109 2.638			.154 3.656	.154 3.656				1.605	2.034	2.315	2.432	2.640		3.007	3.210	4.385						
2.500											2.145	2.442		2.786	3.053	3.174	3.389	4.646	6.013					
2.875	2.50	.120 3.531			.203 5.798	.203 5.798										3.675	3.926	5.400	7.015					
3.000																3.842	4.105	5.651	7.349					
3.500	3.00	.125 4.510			.216 7.58	.216 7.58		.300 10.26	.300 10.26							4.510	4.822	6.656	8.686					
4.000	3.50															5.178	5.538	7.661	10.022					
4.500	4.00				.237 10.80	.237 10.80		.337 14.997	.337 14.997							5.846	6.254	8.644	11.358	14.010	16.536	17.532	21.380	
					.237 10.80	.237 10.80		.337 14.997	.337 14.997								5.846	6.254	8.666	11.358	14.010		16.536	
5.000	4.50				.247 12.55	.247 12.55		.355 17.628	.355 17.628		4.363				6.260	6.514	6.970	9.671	12.694	15.683	18.540		24.053	
5.563	5.00				.258 14.631	.258 14.631		.375 20.797	.375 20.797							7.267	7.777	10.775	14.199	17.566	20.797	22.077	27.062	
					.258 14.631	.258 14.631		.375 20.797	.375 20.797							7.267	7.777	10.802	14.199	17.566	20.797		27.062	
6.625	6.00				.280 18.99	.280 18.99		.432 28.60	.432 28.60								9.298	12.903	17.037	21.120	25.055	26.618	32.738	
					.280 18.99	.280 18.99		.432 28.60	.432 28.60							8.686	9.298	12.937	17.037	21.120	25.055		32.738	
7.625	7.00				.301 23.57	.301 23.57		.500 38.08	.500 38.08									13.690	18.039	22.375	26.558		34.743	
8.625	8.00		.250 22.38	.277 24.72	.322 28.58	.322 28.58	.406 35.67	.500 43.428	.500 43.428									16.912	22.382	27.812	33.072	35.170	43.428	
			.250 22.38	.277 24.72	.322 28.58	.322 28.58	.406 35.67	.500 43.428	.500 43.428							11.358		16.956	22.382	27.812	33.072		43.428	53.450
9.625	9.00				.342 33.94	.342 33.94		.500 48.77	.500 48.77									18.916	25.055	31.158	37.081	39.446	48.773	60.131
10.750	10.00		.250 28.06	.307 34.27	.365 40.52	.365 40.52	.500 54.79	.594 64.49	.500 54.786									21.171	28.061	34.922	41.591	44.257	54.786	67.648
11.750	11.00				.375 45.60	.375 45.60		.500 60.132	.500 60.132										30.734	38.268	45.600		60.131	74.329
12.00																			31.402		46.602		61.468	75.999
12.750	12.00		.250 33.41	.330 43.81	.406 53.575	.375 49.61	.562 73.22		.500 65.476										33.406	41.614	49.608	52.809	65.476	81.010
13.750	13.00																		35.077	43.705	52.114	55.481	68.817	85.186
14.000	14.00	.250 36.75	.312 45.65	.375 54.62	.438 63.36	.375 54.62	.594 85.13		.500 72.158										36.747	45.796	54.619	58.154	72.158	89.362
16.000	16.00	.250 42.09	.312 52.32	.375 62.64	.500 82.848	.375 62.64			.500 82.848										42.092	52.488	62.637	66.706	82.848	102.724
18.000	18.00	.250 47.44	.312 58.99	.438 82.23	.562 104.76	.375 70.65			.500 93.54										47.437		70.654	75.258	95.540	116.087
20.000	20.00	.250 52.78	.375 78.67	.500 104.23	.593 123.23	.375 78.67			.500 104.23										52.782		78.672	83.810	104.228	129.449

Rolling of some sizes and gauges are subject to accumulation—please check rolling schedule or contact sales.
ASTM A500 grades B & C, A252-CSA G40.21 50W or metric 350W available.
ASTM A252 for .625" gauge only available in 16", 18" and 20".



Atlas ABC Corp (Atlas Tube Chicago)
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Tel: 800.733.5683
Fax: 773.646.6128

Ref. B/L:
Date:
Customer:

Atlas Tube
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MILL TEST REPORT

Material: 16.000x500'0"O(1x1)RALC H940 A2523 Material No: R16000500 Made in: USA
Melted in: USA

Sales order:

Heat No:	C	Mn	P	S	Si	Al	Cu	Cb	Mo	Ni	Cr	V	Ti	B	N
T84793	0.190	0.760	0.008	0.007	0.014	0.045	0.030	0.005	0.003	0.010	0.020	0.001	0.001	0.000	0.000

Bundle No	Yield	Tensile	Eln.2in	Certification
M900292866	061040 Psi	074400 Psi	38%	ASTM A252-98 GR3

CE: 0.33

Ft_lbs	Test Temp	Sample Size	Absorbed Energy1 FT-LBS	Absorbed Energy2 FT-LBS	Absorbed Energy3 FT-LBS	Avg FT-LBS	Shear Area1 %	Shear Area2 %	Shear Area3 %	Avg %
20	0 F	10x10 mm	50	80	30		50	100	50	

Tested for safety

Quality management takes top priority in our facilities. Our in-house metallurgical engineer provides steel analysis, ultrasonic testing and complete technical assistance. Upon request, you will receive our original mill test report for every bundle, including details on complete heat traceability, chemical analysis, tensile properties and Charpy impact testing, so you know your product is guaranteed to perform.

Atlas Mill Test Reports
- Complete heat traceability
- Chemical analysis
- Tensile properties
- Charpy impact testing

Carbon and HSLA Coil Material
- BOF-integrated mill
- EAF mini mill

AWS D1.1 Prequalified Base Materials Various Welding Processes
- SMAW
- SAW
- GMAW
- FCAW

Metallurgical Engineer on Staff
- Technical assistance
- Product testing
- Steel analysis
- In-house NDT/ultrasonic testing

Atlas Tube
A DIVISION OF ZEKELMAN INDUSTRIES

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About Atlas Tube

Atlas Tube produces a wide range of steel tubular products and is the leading provider of hollow structural sections (HSS) in North America. Other offerings include HSS Design Tools, straight-seam electric resistance weld (ERW) pipe piling and Epox Z Kote® powder primed tubing.

For more information, contact Atlas Tube at:
800.773.5683 or **info@atlastube.com**
Or, visit our website at atlastube.com