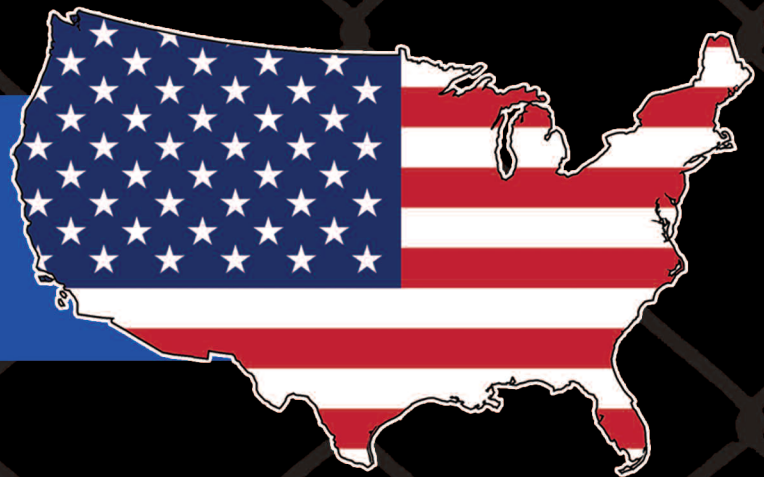


AP-40

**Domestic High Strength Fence Framework
GALVANIZED INSIDE and OUT**

**Be American,
Buy American**



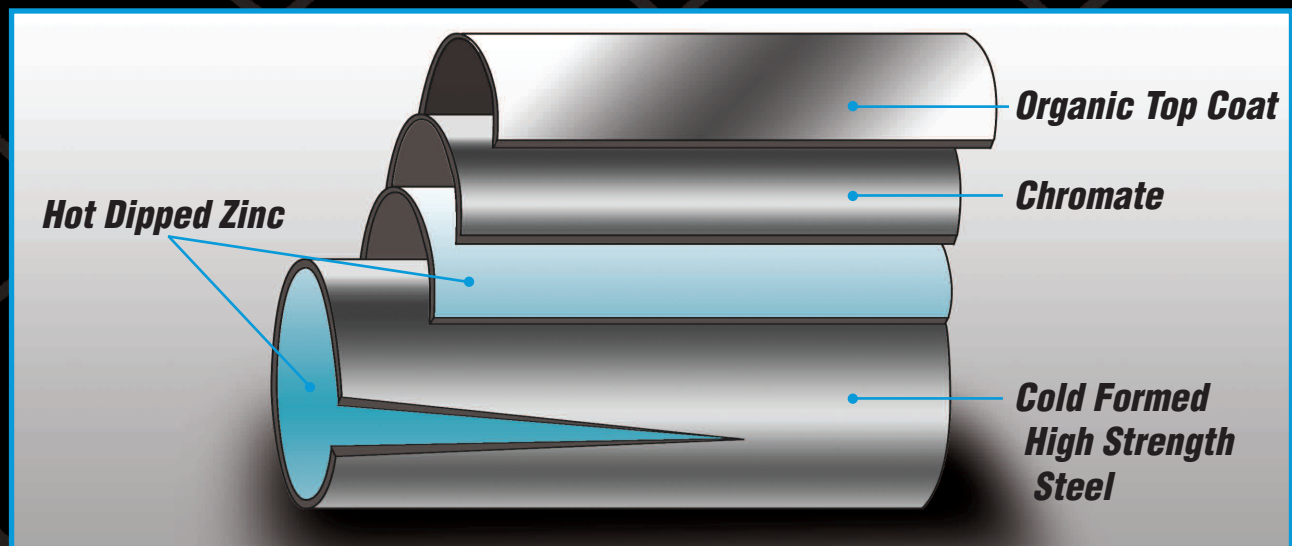
AMERICAN TUBE AND PIPE



Our Product

AP-40

AP-40 is manufactured from high strength steel sheet conforming to A653 / A653M hot dipped galvanized on both sides at the mill under state-of-the art coating and temperature controls insuring the highest level of adhesion and uniformity. This superior method of galvanizing eliminates flaking and spot rusting. The zinc used in this process is of the highest quality conforming to ASTM B-6.



Galvanized on the inside and outside to a zinc weight of .9 oz/ft² minimum followed by a chromate conversion coating and organic topcoat; AP-40's system of coatings accentuated by it's galvanized interior holds up to the scrutiny of salt spray performance standards for both the inside as well as the outside required in specifications of many of the Fence Industry's more prominent agencies.

AGENCY SPECIFICATIONS

The following are just some of the agencies that have included AP-40 in their standard specifications.

- **ASTM F 1043 (Standard Specification for Strength and Protective Coatings Steel Industrial Chain Link Fence Framework)**
- **FAA Federal Aviation Administration AC 150/ 5370-10E item F-162**
- **AASHTO American Associations of State Highway and Transportation Officials M181**
- **Federal Specifications RR-F-191/2 and RR-F191/3**
- **Federal Bureau of Prisons**
- **Department of Defense UFGS United Facilities Guide Specification**
- **CAN/CGSB-138.2-96 Canadian General Standard Board**



AMERICAN TUBE AND PIPE

DIMENSIONS & STRENGTH

AP-40 is cold formed from high strength steel resulting in a finished product with a minimum yield strength of 50,000 psi.

Fence Industry Size	Actual Outside Diameter		Decimal Wall Thickness		Weight		Section Modulus	Minimum Yield Strength	Maximum Bending Moment	Calculated Load (lbs)			
	in.	mm	in.	mm	lbs/ft	kg/m				in.	psi	lbs/in	10' Supported
1 5/8" AP-40	1.660	42.16	0.111	2.82	1.84	2.74	0.1961	x 50,000 =	9,805		327	204	136
1 7/8" AP-40	1.900	48.26	0.120	3.05	2.28	3.39	0.2810	x 50,000 =	14,050			293	195
2 3/8" AP-40	2.375	60.33	0.130	3.30	3.12	4.64	0.4881	x 50,000 =	24,405			508	339
2 7/8" AP-40	2.875	73.03	0.160	4.06	4.64	6.90	0.8778	x 50,000 =	43,890			914	610
3 1/2" AP-40	3.500	88.90	0.160	4.06	5.71	8.50	1.3408	x 50,000 =	67,040			1397	931
4" AP-40	4.000	101.60	0.160	4.06	6.56	9.76	1.7819	x 50,000 =	89,095			1856	1237

SCHEDULE 40 COMPARISON

AP-40 is stronger than Schedule 40 pipe as determined through dimensions and yield strength of Schedule 40 regular grade as contained within F 1083.

Fence Industry Size	Actual Outside Diameter		Decimal Wall Thickness		Weight		Section Modulus	Minimum Yield Strength	Maximum Bending Moment	Calculated Load (lbs)			
	in.	mm	in.	mm	lbs/ft	kg/m				in.	psi	lbs/in	10' Supported
1 5/8" AP-40	1.660	42.16	0.111	2.82	1.84	2.74	0.1961	x 50,000 =	9,805		327	204	136
1 1/4" Sch 40	1.660	42.20	0.140	3.56	2.27	3.40	0.235	x 30,000 =	7,050		235	147	98
1 7/8" AP-40	1.900	48.26	0.120	3.05	2.28	3.39	0.2810	x 50,000 =	14,050			293	195
1 1/2" Sch 40	1.900	48.30	0.145	3.68	2.72	4.00	0.3262	x 30,000 =	9,786			204	136
2 3/8" AP-40	2.375	60.33	0.130	3.30	3.12	4.64	0.4881	x 50,000 =	24,405			508	339
2" Sch 40	2.375	60.33	0.154	3.91	3.65	5.40	0.5606	x 30,000 =	16,818			350	234
2 7/8" AP-40	2.875	73.03	0.160	4.06	4.64	6.90	0.8778	x 50,000 =	43,890			914	610
2 1/2" Sch 40	2.875	73.00	0.203	5.16	5.80	8.60	1.064	x 30,000 =	31,920			665	443
3 1/2" AP-40	3.500	88.90	0.160	4.06	5.71	8.50	1.3408	x 50,000 =	67,040			1397	931
3" Sch 40	3.500	88.90	0.216	5.49	7.58	11.30	1.7241	x 30,000 =	51,723			1078	718
4" AP-40	4.000	101.60	0.160	4.06	6.56	9.76	1.7819	x 50,000 =	89,095			1856	1237
3 1/2" Sch 40	4.000	101.60	0.226	5.74	9.12	13.60	2.394	x 30,000 =	71,820			1496	998

AMERICAN TUBE & PIPE

Fencing Is Our Business



American Tube and Pipe is owned and operated by fencing professionals with extensive experience manufacturing quality fence products since 1974. We understand that corrosion protection on the inside is equally as important as corrosion protection on the outside. Now, once again, we are offering a quality product galvanized inside and out.

A customer-focused production plan and off line cutting capabilities enable us to respond quickly to our customer's needs, providing an invaluable service during these uncertain times.

American Tube and Pipe is not in the fence business to get through tough times, we are in the fence business because it is our business, our only business.



AMERICAN TUBE AND PIPE

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