

SS 15[®] – High Strength Fence Framework

Domestically manufactured for Heavy Residential and Light Commercial Applications

Allied Tube & Conduit Corporation's SS 15 fence framework is superior in all ways to imported hot-dipped galvanized tubing and structural pipe!

Exceptional Strength

SS 15 is fabricated from steel conforming to ASTM A1011 and is cold-formed to a minimum of 50,000 PSI yield strength. The yield strength compared to hot-dipped galvanized .110 wall tubing is 40% stronger, yet as much as 35% lighter.

This dispels the old philosophy that greater weight means greater strength.

Superior Corrosion Resistance

Allied's continuous in-line Flo-Coat[®] process delivers a triple layer of corrosion protection that out-performs structural pipe in corrosion resistance. After welding, our high strength steel passes through a bath of molten high grade and special high grade zinc conforming to ASTM B6.

The zinc coating is followed by a conversion coating to further retard corrosion and then by a clear polymer film for even more collision protection.

Flo-Coat[®] results in a synergistic effect where the triple coating is superior to its individual parts.

- Domestically Manufactured
- Up to 40% stronger than .110 wall hot-dipped galvanized product
- Up to 33% lighter than .110 wall hot-dipped galvanized product
- Available in 38ft. lengths, and Polykote polyester color coats.
- Available with manufacturing locations in IL, PA, and AZ with distribution in all 50 states

Light Commercial Applications

- Parks and playgrounds
- Rental storage facilities
- Low security controlled access areas
- Boarding kennels
- Indoor security panels and partitions

Residential Applications

- Use with privacy slats for improved wind loading
- Areas of high snow and ice loads
- Large gates and gate posts
- Heavier than normal pedestrian traffic areas
- Guard dog enclosures



Allied SS15 vs. Hot Dip Galvanized Comparison Chart

Type	Outside Dimensions	Pipe Wall Thickness (in.)	Weight (lbs./ft.)	Section Modulus (inches ³)	Yield Strength (PSI)	Bending Moment (lbs. in.)	Bending Strength (lbs.)	Bending Strength (lbs.)	
Posts							4' Cantilever	6' Cantilever	
1-5/8" O.D.	SS 15	1.660	0.072	1.22	0.1367	50,000	6,835	142	95
1-5/8" O.D.	HDG	1.660	0.110	1.82	0.1948	25,000	4,870	101	68
1-7/8" O.D.	SS 15	1.900	0.072	1.41	0.1821	50,000	9,104	190	126
1-7/8" O.D.	HDG	1.900	0.110	2.10	0.2618	25,000	6,544	136	91
2-3/8" O.D.	SS 15	2.375	0.072	1.77	0.2911	50,000	14,556	303	202
2-3/8" O.D.	HDG	2.375	0.110	2.66	0.4237	25,000	10,592	221	147
Top Rail							10' Free Supported		
1-3/8" O.D.	SS 15	1.315	0.072	0.96	0.0829	50,000	4,143	138	
1-3/8" O.D.	HDG	1.315	0.110	1.42	0.1159	25,000	2,898	97	
1-5/8" O.D.	SS 15	1.660	0.072	1.22	0.1367	50,000	6,835	228	
1-5/8" O.D.	HDG	1.660	0.110	1.82	0.1948	25,000	4,870	152	

*HDG – Light Wall Hot Dipped Galvanized