

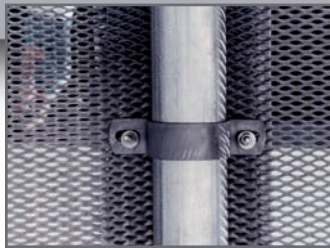
DOMESTICALLY MANUFACTURED

High Strength Fence Framework for Special Demanding Applications



The toughest of the tough!

SS 40[®] XS



SS 40[®] XS High Strength Fence Framework is the perfect choice for a wide variety of robust applications. **SS 40[®] XS** delivers maximum strength with reduced weight. It's the perfect choice for high wind load, added height, dense fabric, expanded metal and solid fence applications. Choose from 4.5", 5" or 4.5"/5" sleeved combination to suit your specific requirements.

**NOW as specified in
ASTM F1043-08
Group IC**

Fittings are available.



SS 40® XS

SS 40® XS 60,000 psi Comparisons vs Schedule 40

Product O.D.	Decimal O.D. Equivalent Inches	Wall Inches	Weight Lb/Ft	Yield Strength psi	Section Modulus Inches ³	Bending Moment Lb. In.	Calculated Load 12' Cantilever in Lbs
4" Schedule 40	4.000	0.226	9.11	30000	2.3939	71817	499
4" SS 40	4.000	0.160	6.56	50000	1.7819	89095	618
4.5" SS 40 XS	4.500	0.220	10.07	60000	3.0192	181152	1258
5" SS 40 XS	5.000	0.180	9.27	60000	3.1714	190284	1321

4.5" Uses:

4.5" SS 40® XS fills that slot for gateposts when 4" is not sufficient but 6.625" is not required. More strength without the weight.

Additional strength over 4" SS 40®, 4" Schedule 40 and Schedule 80

4.5" SS 40® XS with .220 wall is even stronger than 4.5" Schedule 80 with .337 wall

Security, additional wind loading, smaller mesh sizes, solid fill applications

5" Uses:

5" SS 40 XS with .180 wall is 14% stronger than 5.5" Schedule 40 with .258 wall

Line and terminal posts for security, additional wind loading, smaller mesh sizes, solid fill applications

Deflection & Maximum Gate Width for Less Than 1" Gate Drop at End

Height in Ft.	Width in Ft.	Post Deflection	Gate Drop at End
7	18	0.33"	0.96"
8	16.5	0.420"	0.98"
10	14	0.61"	0.95"
12	12.5	0.88"	0.99"
14	11	1.09"	0.92"

4.5" SS 40® XS meets the performance criteria of ASTM F900 Dimensions and Weight of Gate Posts, Table 2. *Note: All gate posts must be of sufficient strength so that the total deflection of the gate frame and the gate post at the end of the gate leaf shall not exceed the lesser of 2% of the gate leaf width or 4 in."

Product O.D.	Decimal O.D. Equivalent Inches	Wall Inches	Weight Lbs/Ft	Yield Strength psi	Section Modulus Inches ³	Bending Moment Lb. In.	Calculated Load 12' Cantilever in Lbs
6.625 Schedule 40	6.625	0.280	18.99	30000	8.49577	254931	1770
4.5" / 5" SS 40 XS Sleeved	5	0.400	Varies	60000	6.16206	369724	2568

4.5" / 5" Sleeved Combination Uses:

Extra tall posts that would normally be 6.625" can be the 4.5"/5" sleeved combination

Backstops, foul markers, tall fences requiring additional wind load

As a substitution for Correctional applications which call for 6.625" posts

ADVANTAGES of 4.5" / 5" Sleeved Combination:

Readily available / Made in U.S.A.

Lighter than 6.625" Schedule 40

Example: 36' Sleeved combination would weigh 485 lbs. vs. 36' 6.625" Schedule 40 weight of 684 lbs.

(Sleeve combination: 4.5" sleeve length 15' with 5" post length 36')

4.5" / 5" Sleeved post combination requires approximately 40% less concrete than 6.625" post when set in accordance with ASTM F567

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