



# WHEATLAND TUBE COMPANY

## SUBMITTAL DATA

Rev. 12/20/04

### ASTM F1083 PIPE

#### SCOPE

This submittal sheet covers hot-dipped galvanized welded steel pipe in Nominal Pipe Size (NPS) 1 through NPS 8, with nominal wall thickness as given in the tables below. Pipe is intended for use as structural support for fencing. Pipe is produced to the latest revision of ASTM F1083.

#### HOT-DIPPED GALVANIZED

Pipe shall be coated inside and out by the hot-dip process. The average weight of zinc coating shall be not less than 1.8 oz/ft<sup>2</sup> of surface (inside and outside). A 2.0 oz/ft<sup>2</sup> zinc coating weight is available upon request. A conversion coating is also applied to the interior and exterior surfaces to protect them against corrosion and white rust.

Wheatland's zinc coating is virtually lead free and meets the lead free requirements of the EPA Safe Drinking Water Act

#### END FINISH

End finish shall be plain end square cut. Posts and rails shall be one piece free of welded sections.

#### TENSILE REQUIREMENTS

Regular Grade - Tensile Strength, min. 48 000 psi  
Regular Grade - Yield Strength, min. 30 000 psi

#### For Sizes NPS 6 and larger

High Strength Grade - Tensile Strength, min. 60 000 psi  
High Strength Grade - Yield Strength, min. 50 000 psi

#### DIMENSIONS and WEIGHTS (Inch-Pound units.)

NPS	O.D. Inches	Sch. 40		Sch. 80	
		Wall Inches	Weight Lb/Ft	Wall Inches	Weight Lb/Ft
1	1.315	.133	1.68	.179	2.17
1-1/4	1.660	.140	2.27	.191	3.00
1-1/2	1.900	.145	2.72	.200	3.63
2	2.375	.154	3.65	.218	5.02
2-1/2	2.875	.203	5.79	.276	7.66
3	3.500	.216	7.58	.300	10.25
3-1/2	4.000	.226	9.11	.318	12.51
4	4.500	.237	10.80	.337	15.00
6	6.625	.280	18.97	.432	28.57
8	8.625	.322	28.55	.500	43.39

Wheatland offers the most extensive size range of any fence framework product type – NPS 1 through 8.

#### PERMISSIBLE VARIATIONS IN WALL THICKNESS

Minimum wall thickness at any point shall not be more than 12.5% under nominal wall thickness specified.

#### PERMISSIBLE VARIATIONS IN OUTSIDE DIAMETER

NPS	1-1/2 and under	+ 0.016", -0.031"
NPS	2 and over	± 1%

#### PERMISSIBLE VARIATIONS IN WEIGHT PER FOOT

Pipe shall not vary more than ± 10% from the standard specified.

#### PRODUCT MARKING

Each length of pipe NPS 1 and larger is continuously stenciled as follows:

Wheatland, USA, Size, Schedule, ASTM F1083, 1.8 oz., Length, Run #, (HS for High Strength Grade, if applicable), Date  
Stencil shall include "HS" for High Strength Grade when applicable. Bar Coding is acceptable as a supplementary identification method.

#### **Wheatland F1083 meets or exceeds the following specifications:**

American Association of State Highway and Transportation Officials  
AASHTO M181  
Federal Specifications RR-F-191/2D and RR-F-191/3D  
Corps of Engineers CE65-02831  
Federal Aeronautics Administration AC 150/5370-10A ITEM F162  
Department of the Navy NFGS-02831  
ASTM Specifications F1083 and F1043  
U.S. Department of Justice – Federal Bureau of Prisons  
American Institute of Architects (AIA) MASTERSPEC

#### DIMENSIONS and WEIGHTS (SI units)

DN	O.D. mm	Sch. 40		Sch. 80	
		Wall mm	Weight Kg/m	Wall mm	Weight Kg/m
25	33.4	3.38	2.5	4.55	3.23
32	42.2	3.56	3.4	4.85	4.47
40	48.3	3.68	4.0	5.08	5.41
50	60.3	3.91	5.4	5.54	7.48
65	73.0	5.16	8.6	7.01	11.41
80	88.9	5.49	11.3	7.62	15.27
90	101.6	5.74	13.6	8.08	18.63
100	114.3	6.02	16.1	8.56	22.32
150	168.3	7.11	28.3	10.97	42.56
200	219.1	8.18	42.5	12.70	64.64

All information contained herein is accurate as known at the time of publication. Wheatland reserves the right to change product specifications without notice and without incurring obligations.

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