Fayette Pipe

ASTM A53
Type E Grade A
Submittal Data Sheet

SCOPE

Covers black electric-resistance welded Grade A pipe with nominal wall thickness as shown. Pipe is intended for mechanical and pressure applications and is acceptable for steam, water, gas, or air lines. Pipe is suitable for roll grooving, welding and threading. Produced to the latest revision of ASTM A53A/53M - ASME B36.10M. All products are UL listed and FM approved.

TENSILE REQUIREMENTS

Tensile Strength min.	48000 psi
Yield Strength min.	30000 psi
Elongation in 2"	Refer to A53 Table x 4.1

BEND TEST

For NPS 2" and smaller a length of pipe shall be capable of being bent cold through 90° around a cylindrical mandrel twelve times the size of the outside diameter without developing cracks or opening the weld.

FREQUENCY OF TESTS

Tensile tests are required on 1/500 lengths of pipe for each size.

END FINISH

Plain End:	Mfg. Option
Threaded:	To ANSI Standard B 1.20.1
Coupling:	To ASTM Standard A865

DIMENSIONS & WEIGHT

NPS	OD/in.	ID/in.	Nom. Wall Thickness	Wt. lbs./ft.	Pieces per Bundle
1/2	0.840	0.622	0.109	0.85	127
3/4	1.050	0.824	0.113	1.13	91
1	1.315	1.049	0.133	1.68	70
1-1/4	1.660	1.380	0.140	2.27	51
1-1/2	1.900	1.610	0.145	2.72	44
2	2.375	2.067	0.154	3.66	30

PRODUCT MARKING

Each length of pipe is continuously stenciled to show the manufacturer, the grade of pipe (ASTM A53), the kind of pipe (E for Electric Resistance Welded, A for Grade A), and length.

Each bundle of STD A53 will have a tag securely attached showing quantity, run #, and dimensions.

HYDROSTATIC & NONDESTRUCTIVE ELECTRIC TESTING

Hydrostatic inspection test pressures for plain-end pipe are listed in Table X 2.2 of the A53/A53M specification. Test pressures shall be maintained for a minimum of five seconds.

Nondestructive electric testing of the weld seam is performed on all sizes of pipe.

MIC DEFENSE ANTIMICROBIAL COATING

Fayette Pipe applies our Mic Defense coating to all pipe that we manufacture. This coating serves as a protective barrier limiting the opportunity for corrosion from microbiological organisms. The lasting benefits from this coating can be ensured through additional and routine treatment options.

CHEMICAL REQUIREMENTS

Composition, Max. %

*Combination of these five elements shall not exceed 1.00%

Carbon	Manganese	Phosphorus	Sulfur	*Copper	*Nickel	*Chromium	*Molybdenum	*Vandium
0.25	**0.95**	**0.05**	**0.045**	**0.50**	**0.40**	**0.40**	**0.15**	**0.08**

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

Pipe shall not vary more than +/- 0.016" from the standard specified.

PERMISSIBLE VARIATIONS IN WEIGHT PER FOOT

Pipe shall not vary more than +/- 10% from the standard specified.

Fayette Pipe
2282 University Drive
Lemont Furnace, PA 15456
724.438.7600
sales@fayettepipe.com
www.fayettepipe.com

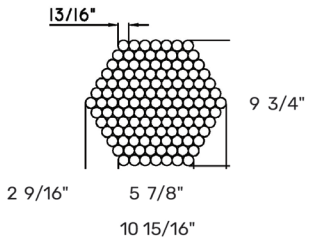
UL LISTED · FM APPROVED · AFSA American Fire Sprinkler Association · NFSA · VETERAN OWNED · MADE IN THE U.S.A. · FAMILY OPERATED

©2022 **Fayette** Pipe Company, LLC.

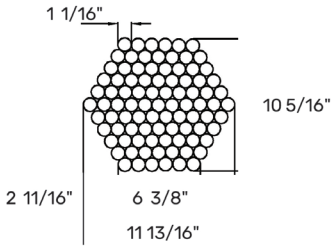
Fayette Pipe

STANDARD SCHEDULE 40
PE/T&C/TBE

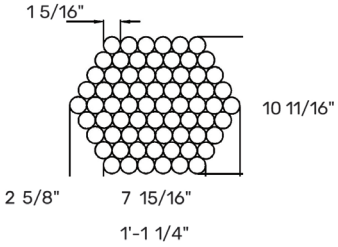
1/2" PIPE
127 PIECES
2267 LBS .85 LB/FT
7, 8, 9, 10, 11, 12, 13, 12, 11, 10, 9, 8, 7



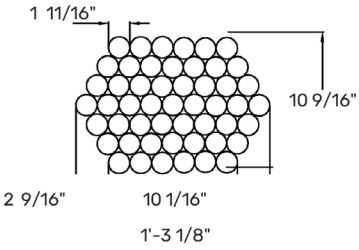
3/4" PIPE
91 PIECES
2159 LBS 1.13 LB/FT
6, 7, 8, 9, 10, 11, 10, 9, 8, 7, 6



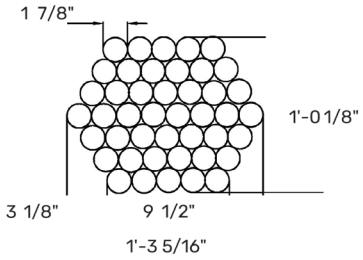
1" PIPE
70 PIECES
2470 LBS 1.68 LB/FT
6, 7, 8, 9, 10, 9, 8, 7, 6



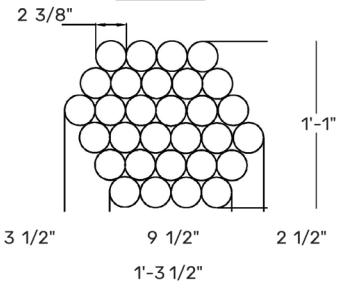
1 1/4" PIPE
51 PIECES
2431 LBS 2.27 LB/FT
6,7,8,9,8,7,6



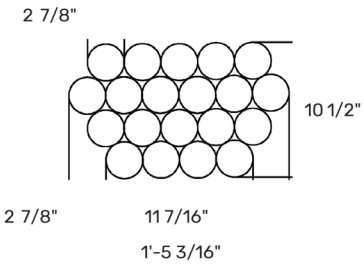
1 1/2" PIPE
44 PIECES
2513 LBS 2.72 LB/FT
5,6,7,8,7, 6,5



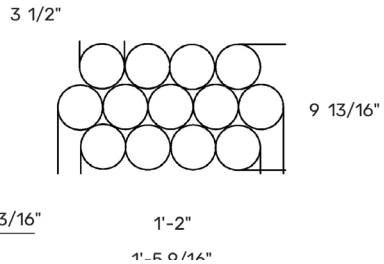
2" PIPE
30 PIECES
2300 LBS 3.65 LB/FT
4,5,6,6,5,4



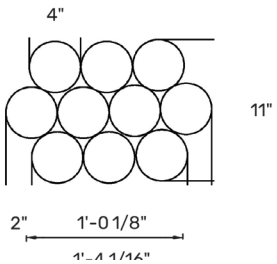
2 1/2" PIPE
20 PIECES
2432 LBS 5.79 LB/FT
4,5,6,5



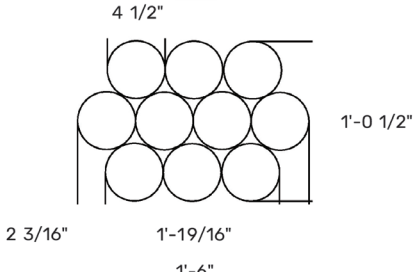
3" PIPE
13 PIECES
2069 LBS 7.58 LB/FT
4,5,4



3 1/2" PIPE
10 PIECES
1913 LBS 9.11 LB/FT
3,4,3



4" PIPE
10 PIECES
2266 LBS 10.79 LB/FT
3,4,3



Fayette Pipe
2282 University Drive
Lemont Furnace, PA 15456
724.438.7600
sales@fayettepipe.com
www.fayettepipe.com

UL LISTED · FM APPROVED · AFSA American Fire Sprinkler Association · NFSA · VETERAN OWNED · MADE IN THE U.S.A. · FAMILY OPERATED

A DIVISION OF SPECIALTY CONDUIT & MFG.

©2022 **Fayette** Pipe Company, LLC.