

# ASTM A135 / ASTM A795 Fire Protection Sprinkler Pipe

ASTM A135/A795 fire protection sprinkler pipe is produced in our Nucor Tubular Products (NTP) Trinity, Alabama Division, in sizes 2" NPS through 8" NPS schedule 10, 2" NPS through 4" NPS HYDROFLOW (TM) schedule 7 and 2" NPS through 8" NPS schedule 40. NTP is the industry's only 100% hydrotested pipe, and is always made, melted and rolled in the U.S.A. so it's steel you can trust.

All NTP ASTM A135 and ASTM A795 fire protection sprinkler pipe has a black coating to ensure a clean, corrosion resistant surface, which means it can weather the stockyard. In addition, all A135/A795 fire protection sprinkler pipe is coated with MIC Guard. MIC Guard is a specialty water-based waxy emulsion corrosion inhibitor and biostatic MIC Preventative for steel alone or in the presence of CPVC. MIC Guard does not contain any raw materials or ingredients known to harm CPVC tubing and connections as proven through extensive laboratory testing. MIC is also FM and NSF Approved.

All Nucor Tubular Products A135/A795 fire protection sprinkler pipe is:

- UL Listed (US and Canada) 2" NPS – 8" NPS
- FM Approved 2" NPS – 8" NPS
- NDT weld tested
- ASTM A135 and A795 certified
- Custom lengths available
- Stock lengths available for immediate shipment (21')
- Plain end or roll grooved
- Black or bare coating
- Complies with NFPA 13 and 14

	ASTM A135 2"—8" NPS Schedule 10		ASTM A795 2"—8" NPS Schedule 10 & 40	
	Tensile	Yield	Tensile	Yield
Strength Requirements	48,000	30,000	N/A	N/A
Elongation	Calculated—See Tensile Test Requirements		N/A	
Permissible Variations in Wall Thickness	The minimum wall thickness at any point shall not vary by more than 12.5% under the nominal wall thickness.		The minimum wall thickness at any point shall not vary by more than 12.5% under the nominal wall thickness.	
Weight (mass)	The weight (mass) of pipe furnished to Schedule 10 shall not vary more than $\pm 10\%$ from that calculated using the weight (mass) per unit length		N/A	
OD Tolerance	Outside diameter at any point shall not vary more from standard specified more than (for 2" NPS and larger) $\pm 1\%$		Outside diameter at any point shall not vary more from standard specified more than (for 2" NPS and larger) $\pm 1\%$	
Wall Tolerance	No more than 12.5% under		No more than 12.5% under	
Straightness	"Reasonably" straight		"Reasonably" straight	
Lengths	10' through 25'		10' through 25'	
NDT and Hydrostatic Testing	Required unless using NDT as alternative, See Hydro Test Chart for values for 2" through 5" NPS sch 10 hydro is required NDT cannot be substituted.		Required unless using NDT as alternative, See Hydro Test Chart for values for 2" through 5" NPS sch 10 hydro is required NDT cannot be substituted.	
General Requirements	End finish may be plain end square cut or roll grooved.		End finish may be plain end square cut or roll grooved.	

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## SCHEDULE 7 SPECIFICATIONS

NPS	Nom OD	Nom ID	Nom Wall	Nom Weight	PCS/BDL	21' Lift Weight
2"	2.375"	2.207"	0.084"	2.06	37	1,054
2½"	2.875"	2.703"	0.086"	2.56	30	1,613
3"	3.500"	3.314"	0.093"	3.39	19	1,352
4"	4.500"	4.304"	0.098"	4.61	19	1,839

## SCHEDULE 10 SPECIFICATIONS

NPS	Nom OD	Nom ID	Nom Wall	Nom Weight	PCS/BDL	21' Lift Weight
2"	2.375"	2.157"	0.109"	2.64	37	2,051
2½"	2.875"	2.635"	0.120"	3.53	30	2,224
3"	3.500"	3.260"	0.120"	4.34	19	1,732
4"	4.500"	4.260"	0.120"	5.62	19	2,242
6"	6.625"	6.357"	0.134"	9.30	10	1,953
8"	8.625"	8.249"	0.188"	16.96	7	2,493

## SCHEDULE 40 SPECIFICATIONS

NPS	Nom OD	Nom ID	Nom Wall	Nom Weight	PCS/BDL	21' Lift Weight
2"	2.375"	2.067"	0.154"	3.65	24	1,840
2½"	2.875"	2.469"	0.203"	5.57	19	2,310
3"	3.500"	3.068"	0.216"	7.34	13	2,069
4"	4.500"	4.026"	0.237"	10.78	10	2,266
6"	6.625"	6.065"	0.280"	18.99	7	2,792
8"	8.625"	7.981"	0.322"	28.58	5	3,001

Nucor Tubular Products hereby certifies to the purchaser of ASTM A135/ASTM A795 fire protection sprinkler pipe manufactured in Trinity, Alabama has been treated with MIC Guard to limit corrosion and will remain intact during all fabrication processes.

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