EN UL & FM

	OD (mm)	OD (inch)	Wall Thickness (mm)	Wall Thickness (inch)	FM
	33,7	1"	2,00	0,079	✓
	33,7	1"	2,60	0,102	✓
	42,4	1 1/4''	2,00	0,079	✓
	42,4	1 1/4''	2,30	0,091	✓
	42,4	1 1/4''	2,60	0,102	✓
	48,3	1 1/2''	2,00	0,079	✓
Light Wall	48,3	1 1/2''	2,60	0,102	✓
	60,3	2''	2,00	0,079	✓
	60,3	2''	2,90	0,114	✓
	76,1	2 1/2''	2,18	0,086	✓
	76,1	2 1/2''	2,90	0,114	✓
	88,9	3"	2,36	0,093	✓
	88,9	3"	3,20	0,126	✓
	114,3	4"	2,60	0,102	✓
	114,3	4"	3,60	0,142	✓
	139,7	5"	3,40	0,134	✓

	OD (mm)	OD (mm)	Wall Thickness (mm)	Wall Thickness (inch)	FM	UL
	21,3	1/2''	2,60	0,102		
	26,9	3/4''	2,60	0,102		
	33,7	1"	3,20	0,126	✓	
	42,4	1 1/4''	3,20	0,126	✓	✓
EN 10255	48,3	1 1/2"	3,20	0,126	✓	✓
Medium	60,3	2''	3,60	0,142	✓	✓
	76,1	2 1/2"	3,60	0,142	✓	✓
	88,9	3"	4,00	0,157	✓	✓
	114,3	4"	4,50	0,177	✓	✓
	139,7	5''	5,00	0,197	✓	✓
	165,1	6''	5,00	0,197	✓	✓

	OD (mm)	OD (inch)	Wall Thickness (mm)	Wall Thickness (inch)	FM
	21,3	1/2''	3,20	0,126	✓
	26,9	3/4''	3,20	0,126	✓
	33,7	1"	4,00	0,157	✓
	42,4	1 1/4''	4,00	0,157	✓
EN 10255	48,3	1 1/2''	4,00	0,157	✓
Heavy	60,3	2''	4,50	0,177	✓
Tleavy	76,1	2 1/2''	4,50	0,177	✓
	88,9	3"	5,00	0,197	✓
	114,3	4"	5,40	0,213	✓
	139,7	5''	5,40	0,213	✓
	165,1	6''	5,40	0,213	✓





FIRESIST® FIRE SPRINKLER **PIPES**



Borusan Mannesmann is a leading European steel pipe company, manufacturing over 4.000 different products at 7 world class facilities in Turkey, Italy and the USA with over 60 years of expertise.

We provide the widest range of UL listed & FM approved fire protection pipes. We offer the most suitable product for your needs: bare, galvanized, primer varnished, epoxy coated options and roll grooved, threaded & coupled or beveled pipe ends. We have a well-established sales organization with active sales in over 35 countries.

Borusan Mannesmann is determined to become the supplier of choice for your increasingly vital challenges in fire protection projects through customer-centric R&D, long term collaboration, consistent product quality and seamless communication. Contact us at: export@borusan.com













FIRESIST EPOXY COATED SPRINKLER PIPES

Epoxy coated Firesist pipes are certified as corrosion resistance category C3-High and proven to exhibit great mechanical performance by European independent third-party testing laboratories.

Firesist pipes are in-line with global BPA regulations and suitable for use in harsh industrial conditions with low-to-moderate salt impact.

- Now Powder epoxy coating up to 250 microns
- Corrosivity category C3-High certified
- Available in Red (RAL 3000) and Red Brown (RAL 3009)
- Noll grooved, Threaded & Coupled or Beveled pipe end
- Eliminates field painting
- Widest range of UL and FM approval, CE certified
- Produced according to ASTM and EN standards
- Pressure ratings exceeding 300 psi
- Size range between 1/2" − 12"
- Reliable in all sizes
- Inner weld seam removal and custom length upon request
- Tight tolerances, consistent roundness and straightness



FIRESIST PRIMER VARNISHED SPRINKLER PIPES

Primer varnished sprinkler pipes provide protection against corrosion with low overhead cost.

- Varnishing between 20 − 25 microns
- Protects from atmospheric rust
- Navailable in Black (RAL 9005), Gray (RAL 7012), Red (RAL 3000) and Red Brown (RAL 3009)
- Noll grooved, Threaded & Coupled or Beveled pipe end
- Saves time, labor, cost and scrap
- Inner weld seam removal and custom length upon request



GALVANIZED SPRINKLER PIPES

Zinc coated sprinkler pipes provide long lasting protection against corrosion. They are compatible for use in wet, dry, pre-action and deluge sprinkler systems.

- Superior Zinc coating between 50 55 microns
- Maintains corrosion resistance
- Noll grooved, Threaded & Coupled or Beveled pipe end
- Easy to weld and install
- Compliant with European project requirements
- Note: Inner weld seam removal and custom length upon request



ASTM UL & FM

CO Co Thickness Thickness Co Co Co Co Thickness Co Co Co Co Co Co Co									
A			OD (inch)	Thickness	Thickness			UL	FM
Easy Flow 43.3									
Emy Flow 48.3									
Light Wal 60.3 2 2.90									
Continue	Easy Flow								
88.9 3' 3.20 0.120 6.76 4.54	Light Wall								
114.3									
SCH 10									
SCH 10 44,2									
SCH 7									
SCH 7 73 2 12" 2,13 0,084 3,05 2,05									
SOH 7									
88,9	SCH 7								
114,3									
26,7 3/4" 2.11 0.083 1.28 0.86 / 33.4 1" 2.77 0.109 2.09 1.41 / 42.2 11/4" 2.77 0.109 2.09 1.41 / 48.3 11/2" 2.77 0.109 3.93 2.64 / 60.3 2" 2.77 0.109 3.93 2.64 / 73 2.12" 3.05 0.120 5.26 3.53 / 88.9 3" 3.05 0.120 6.46 4.34 / 101.6 3.12" 3.05 0.120 6.46 4.34 / 101.6 3.12" 3.05 0.120 7.41 4.83 / 114.3 8" 3.4 0.134 11.59 7.78 / 219.1 8" 4.78 0.188 2.52 16.96 / 2273.1 10" 4.78 0.188 37.61 25.28 / 2273.1 10" 4.78 0.188 37.61 25.28 / 42.2 11/4" 2.97 0.117 2.87 1.93 / 42.2 11/4" 2.97 0.117 2.87 1.93 / 60.3 2" 3.18 0.125 4.48 3.00 / 88.9 3" 4.78 0.188 37.61 25.28 / 60.3 2" 3.18 0.125 4.48 3.00 / 88.9 3" 4.78 0.188 12.91 1.93 / 60.3 2" 3.18 0.125 4.48 3.00 / 88.9 3" 4.78 0.188 12.91 1.93 / 60.3 2" 3.18 0.125 4.48 3.00 / 88.9 3" 4.78 0.188 9.92 6.65 / 219.1 8" 4.78 0.188 12.91 8.66 / 219.1 8" 7.04 0.77 3.682 24.72 / 2273.1 10" 7.8 0.188 12.91 8.66 / 219.1 8" 7.04 0.277 3.682 24.72 / 2273.1 10" 7.8 0.307 51.05 34.27 / 2273.1 10" 7.8 0.308 0.145 / 2273.1 10" 7.8 0.308 0.145 / 2273.1 10" 7.7 0.10 0.208 0.209 0.20		114,3	4"					1	
33.4									
AB									
## ABJ ##									
SCH 10 60.3 21/2" 3,05 0,120 5,26 3,53 7 7 7 7 7 7 7 7 7									
SCH 10 73									
SCH 10 88.9 3'									
101.6 31/2" 3.05 0.120 7.41 4.98 / 114.3 4" 3.05 0.120 8.37 5.52 / 141.3 5" 3.4 0.134 11.58 7.78 / 168.3 6" 4.78 0.188 25.26 16.96 / 273.1 10" 4.78 0.188 31.62 21.23 / 323.8 12" 4.78 0.188 37.61 25.28 / 42.2 11/4" 2.97 0.117 2.87 1.93 / 48.3 11/2" 3.18 0.125 3.53 2.37 / 48.3 11/2" 3.18 0.125 3.53 2.37 / 48.3 21/2" 4.78 0.188 8.04 5.40 / 101.6 31/2" 4.78 0.188 8.04 5.40 / 101.6 31/2" 4.78 0.188 8.99 6.65 / 101.6 31/2" 4.78 0.188 11.41 7.65 / 273.1 10" 7.8 0.307 51.05 34.27 / 273.1 10" 7.8 0.307 51.05 34.27 / 273.1 10" 7.8 0.307 51.05 34.27 / 273.1 10" 7.8 0.307 51.05 34.27 / 273.1 10" 7.8 0.307 51.05 34.27 / 28.7 3.4" 2.87 0.113 1.69 1.13 / 42.2 11/4" 3.56 0.140 3.39 2.27 / / 48.3 21/2" 5.16 0.203 8.64 5.80 / SCH 40 73 21/2" 5.16 0.203 8.64 5.80 / 5CH 41 73 5" 6.55 0.258 21.79 14.63 / 114.3 4" 6.02 0.237 16.09 10.80 / 273.1 10" 9.27 5.16 0.203 8.64 5.80 / SCH 40 73 21/2" 5.16 0.203 8.64 5.80 / 42.2 11/4" 3.56 0.140 3.39 2.27 / / 44.3 5" 6.55 0.258 21.79 14.63 / 114.3 5" 6.55 0.258 21.79 14.63 / 273.1 10" 9.27 5.16 0.203 8.64 5.80 /	SCH 10				0,120	6,46	4,34	✓	
141,3									
168,3									
219.1 8" 4.78 0.188 25.28 16.96 \(\forall \) \(\forall \									
273,1									
323.8									
## AB.3									
SCH 30 48,3 60,3 2' 3,18 0,125 4,48 3,00 73 2 1/2' 4,78 0,188 8,04 5,40 7,00 88,9 3' 4,78 0,188 11,41 7,65 114,3 4' 4,78 0,188 11,41 7,65 114,3 4' 4,78 0,188 11,41 7,65 114,3 4' 4,78 0,188 11,41 7,65 219,1 8' 7,04 0,277 36,82 24,72 273,1 10' 7,8 0,307 51,05 34,27 21,3 1/2' 22,77 0,109 1,27 0,85 24,72 24,73 24,73 33,4 1' 3,38 0,133 2,50 1,68 2,77 2,7 2,7 2,7 2,7 3,7 3,7 4,2,2,7 2,7 3,3,4 42,2 11/4' 3,56 0,140 3,39 2,27 2,7 2,7 2,7 2,7 3,88 3,1 1/2' 3,38 0,145 4,05 2,72 2,7 2,7 2,7 2,7 3,88 3,1 1/2' 3,14 3,38 3,1 1/2' 3,16 0,30 2' 3,11 0,154 5,45 5,46 5,40 2,11 1,43 3,4' 6,02 2,37 1,60 2,38 1,14,3 4' 6,02 2,37 1,60 2,38 1,60 2,7 2,7 2,7 3,7 3,7 3,7 3,7 3,7 3,7 3,7 3,7 3,7 3									
SCH 30 Characteristics Ch									
SCH 30 73 2 1/2* 4,78 0,188 8,04 5,40 ✓ 101,6 3 1/2* 4,78 0,188 9,92 6,65 ✓ 114,3 4* 4,78 0,188 12,91 8,66 ✓ 219,1 8* 7,04 0,277 66,82 24,72 ✓ 273,1 10* 7,8 0,307 51,05 34,27 ✓ 21,3 1/2* 2,77 0,109 1,27 0,85 ✓ ✓ 26,7 3/4* 2,87 0,113 1,69 1,68 ✓ ✓ 33,4 1* 3,38 0,133 2,50 1,68 ✓ ✓ 42,2 1 1/4* 3,56 0,140 3,39 2,27 ✓ ✓ 48,3 1 1/2* 3,68 0,145 4,05 2,72 ✓ ✓ 5CH 40 73 2 1/2* 5,16 0,203 8,64 5,80 ✓ ✓									
88.9 3" 4,78 0,188 9.92 6,65	001100								
101.6	SCH 30								
219.1 8" 7,04 0,277 36,82 24,72			3 1/2"		0,188				
273,1									✓
21,3				7,04					√
26,7 3/4" 2,87 0,113 1,69 1,13 \footnote{\sqrt{y}} \ \footnote{\sqrt{y}} \ \ 33,4 1" 3,38 0,133 2,50 1,68 \footnote{\sqrt{y}} \ \footnote{\sqrt{y}} \ \ 42,2 1 1/4" 3,56 0,140 3,39 2,27 \footnote{\sqrt{y}} \ \footnote{\sqrt{y}} \ \ 48,3 1 1/2" 3,68 0,145 4,05 2,72 \footnote{\sqrt{y}} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \								,	
SCH 40								1	1
A42.2 1 1/4" 3,56 0.140 3,39 2,27 ✓ 48,3 1 1/2" 3,68 0.145 4,05 2,72 ✓ 60,3 2" 3,91 0.154 5,45 3,66 ✓ 73 2 1/2" 5,16 0.203 8,64 5,80 ✓ 88,9 3" 5,49 0.216 11,29 7,58 ✓ 101,6 3 1/2" 5,74 0,226 13,58 9,12 ✓ 114,3 4" 6,02 0,237 16,09 10,80 ✓ 141,3 5" 6,55 0,258 21,79 14,63 ✓ 168,3 6" 7,11 0,280 28,29 18,99 ✓ 219,1 8" 8,18 0,322 45,34 30,45 ✓ 213,3 1/2" 3,73 0.147 1,62 1,09 26,7 3/4" 3,91 0,154 2,20 1,48 33,4 1" 4,55 0,179 3,25 2,19 42,2 1 1/4" 4,85 0,191 4,49 3,03 48,3 1 1/2" 5,08 0,200 5,39 3,65 60,3 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>/</td>								1	/
SCH 40 48.3 60,3 2° 3,91 0.154 5,45 3,66 73 2 1/2" 5,16 0.203 8,64 5,80 7,58 7,58 7,58 7,59 101,6 3 1/2" 5,74 0,226 11,29 7,58 7,11 1,41,3 7,11 1,41,4 1,4								/	✓
SCH 40 73 2 1/2" 5,16 0.203 8,64 5,80 ✓ ✓ 88,9 3" 5,49 0.216 11,29 7,58 ✓ ✓ 101,6 3 1/2" 5,74 0,226 13,58 9,12 ✓ ✓ 114,3 4" 6,02 0.237 16,09 10,80 ✓ ✓ 141,3 5" 6,55 0.258 21,79 14,63 ✓ ✓ 168,3 6" 7,11 0.280 28,29 18,99 ✓ ✓ 219,1 8" 8,18 0,322 45,34 30,45 ✓ ✓ 273,1 10" 9,27 0,365 60,29 40,52 ✓ ✓ 21,3 1/2" 3,73 0,147 1,62 1,09 ✓ ✓ 26,7 3/4" 3,91 0,154 2,20 1,48 ✓ ✓ 33,4 1" 4,85 0,191 4,4								✓	✓
88,9 3" 5,49 0.216 11,29 7,58									
101,6 3 1/2" 5,74 0,226 13,58 9,12	SCH 40								<i></i>
114,3								1	1
141,3 5" 6,55 0.258 21,79 14,63 ✓ ✓ 168,3 6" 7,11 0.280 28,29 18,99 ✓ ✓ 219,1 8" 8,18 0,322 45,34 30,45 ✓ ✓ 273,1 10" 9,27 0,365 60,29 40,52 ✓ ✓ 21,3 1/2" 3,73 0.147 1,62 1,09 ✓ 26,7 3/4" 3,91 0,154 2,20 1,48 ✓ 33,4 1" 4,55 0,179 3,25 2,19 ✓ 42,2 1 1/4" 4,85 0,191 4,49 3,03 ✓ 48,3 1 1/2" 5,08 0,200 5,39 3,65 ✓ 60,3 2" 5,54 0,218 7,55 5,08 ✓ SCH 80 73 2 1/2" 7,01 0,276 11,52 7,75 ✓ 88,9 3" 7,62 0,300 15,39 10,35 ✓ 101,6 3 1/2"									
168,3 6" 7,11 0.280 28,29 18,99			5"	6,55	0.258			✓	✓
21,3				7,11		28,29	18,99	✓	✓
21,3								/	√
33,4 1" 4,55 0,179 3,25 2,19 42,2 1 1/4" 4,85 0,191 4,49 3,03 48,3 1 1/2" 5,08 0,200 5,39 3,65 60,3 2" 5,54 0,218 7,55 5,08 86,9 3" 7,62 0,300 15,39 10,35 101,6 3 1/2" 8,08 0,318 18,82 12,67 114,3 4" 8,56 0,337 22,60 15,20 141,3 5" 9,52 0,375 31,42 21,04 168,3 6" 10,97 0,432 43,05 28,88									
33,4 1" 4,55 0,179 3,25 2,19 42,2 1 1/4" 4,85 0,191 4,49 3,03 48,3 1 1/2" 5,08 0,200 5,39 3,65 60,3 2" 5,54 0,218 7,55 5,08 86,9 3" 7,62 0,300 15,39 10,35 101,6 3 1/2" 8,08 0,318 18,82 12,67 114,3 4" 8,56 0,337 22,60 15,20 141,3 5" 9,52 0,375 31,42 21,04 168,3 6" 10,97 0,432 43,05 28,88									./
42,2 1 1/4" 4,85 0,191 4,49 3,03 48,3 1 1/2" 5,08 0,200 5,39 3,65 60,3 2" 5,54 0,218 7,55 5,08 SCH 80 73 2 1/2" 7,01 0,276 11,52 7,75 88,9 3" 7,62 0,300 15,39 10,35 101,6 3 1/2" 8,08 0,318 18,82 12,67 114,3 4" 8,56 0,337 22,60 15,20 141,3 5" 9,52 0,375 31,42 21,04 168,3 6" 10,97 0,432 43,05 28,88	SCH 80								√
48,3 1 1/2" 5,08 0,200 5,39 3,65 60,3 2" 5,54 0,218 7,55 5,08 73 2 1/2" 7,01 0,276 11,52 7,75 88,9 3" 7,62 0,300 15,39 10,35 101,6 3 1/2" 8,08 0,318 18,82 12,67 114,3 4" 8,56 0,337 22,60 15,20 141,3 5" 9,52 0,375 31,42 21,04 168,3 6" 10,97 0,432 43,05 28,88									✓
SCH 80		48,3	1 1/2"	5,08	0,200	5,39	3,65		✓
88,9 3" 7,62 0,300 15,39 10,35 101,6 3 1/2" 8,08 0,318 18,82 12,67 114,3 4" 8,56 0,337 22,60 15,20 141,3 5" 9,52 0,375 31,42 21,04 168,3 6" 10,97 0,432 43,05 28,88									✓
101,6 3 1/2" 8,08 0,318 18,82 12,67 114,3 4" 8,56 0,337 22,60 15,20 141,3 5" 9,52 0,375 31,42 21,04 168,3 6" 10,97 0,432 43,05 28,88									
114,3 4" 8,56 0,337 22,60 15,20 141,3 5" 9,52 0,375 31,42 21,04 168,3 6" 10,97 0,432 43,05 28,88									
141,3 5" 9,52 0,375 31,42 21,04 168,3 6" 10,97 0,432 43,05 28,88									
168,3 6" 10,97 0,432 43,05 28,88 ✓									
219,1 8" 12,70 0,500 65,41 44,00 ✓		168,3	6"	10,97	0,432	43,05	28,88		✓
		219,1	8"	12,70	0,500	65,41	44,00		✓