

FIRESIST FIRE PROTECTION SYSTEMS



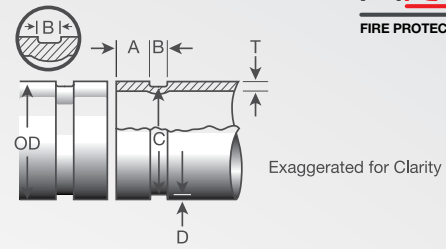
Borusan Mannesmann FM APPROVED Firesist Pipes are available according to EN 10255 Medium & Heavy series.

- Red Painted (RAL 3009), galvanised (up to 6") and self color.
- Plain ends, grooved (Victaulic) or threaded & coupled.
- Inside weld bead is removed for grooved pipes (1" and above)
- CE approved.



CERTIFICATION

All pipes are supplied with Mill Test
Certificates according to EN10204/3.1



Grooved Pipes - Production Range

Nominal Pipe Size Inches	Dimensions - Inches/millimeters									
	Pipe Outside Diameter (OD)			Gasket Seat (A) ± 0.03 ± 0.76	Groove Width (B) ± 0.03 ± 0.76	Groove Diameter (c)		Groove Depth (D) (ref.)	Min. Allow Wall Thickness (T)	Max. Allow Flare Diameter
	Basic	Tolerance + -				Basic	Tol. +0.000 +0.00			
3/4 20	1.050 26.9	0.010 0.25	0.010 0.25	0.625 15.88	0.281 7.14	0.938 23.83	-0.015 -0.38	0.056 1.42	0.083 2.11	1.15 29.2
1 25	1.315 33.4 / 33.7	0.013 0.33	0.013 0.33	0.625 15.88	0.281 7.14	1.190 30.23	-0.015 -0.38	0.063 1.60	0.083 2.11	1.43 36.3
1 1/4 32	1.660 42.2 / 42.4	0.016 0.41	0.016 0.41	0.625 15.88	0.281 7.14	1.535 38.99	-0.015 -0.38	0.063 1.60	0.083 2.11	1.77 45.0
1 1/2 40	1.900 48.3	0.019 0.48	0.019 0.48	0.625 15.88	0.281 7.14	1.775 45.09	-0.015 -0.38	0.063 1.60	0.083 2.11	2.01 51.1
2 50	2.375 60.3	0.024 0.61	0.024 0.61	0.625 15.88	0.344 8.74	2.250 57.15	-0.015 -0.38	0.063 1.60	0.083 2.11	2.48 63.0
2 1/2 65	2.875 73.0	0.029 0.74	0.029 0.74	0.625 15.88	0.344 8.74	2.720 69.09	-0.018 -0.46	0.078 1.98	0.083 2.11	2.98 75.7
76,1 mm	3.000 76.1	0.030 0.76	0.030 0.76	0.625 15.88	0.344 8.74	2.845 72.26	-0.018 -0.46	0.078 1.98	0.083 2.11	3.10 78.7
3 80	3.500 88.9	0.035 0.89	0.031 0.79	0.625 15.88	0.344 8.74	3.344 84.94	-0.018 -0.46	0.078 1.98	0.083 2.11	3.60 91.4
3 1/2 90	4.000 101.6	0.040 1.02	0.031 0.79	0.625 15.88	0.344 8.74	3.834 97.38	-0.020 -0.51	0.083 2.11	0.083 2.11	4.10 104.1
4 100	4.500 114.3	0.045 1.14	0.031 0.79	0.625 15.88	0.344 8.74	4.334 110.08	-0.020 -0.51	0.083 2.11	0.083 2.11	4.60 116.8
4 1/2 120	5.000 127.0	0.050 1.27	0.031 0.79	0.625 15.88	0.344 8.74	4.834 122.78	-0.020 -0.51	0.083 2.11	0.095 2.41	5.10 129.5
133,0 mm	5.250 133.0	0.053 1.35	0.031 0.79	0.625 15.88	0.344 8.74	5.084 129.13	-0.020 -0.51	0.083 2.11	0.109 2.77	5.35 135.9
139,7 mm	5.500 139.7	0.056 1.42	0.031 0.79	0.625 15.88	0.344 8.74	5.334 135.48	-0.020 -0.51	0.083 2.11	0.109 2.77	5.60 142.2
5 125	5.563 141.3	0.056 1.42	0.031 0.79	0.625 15.88	0.344 8.74	5.395 137.03	-0.022 -0.56	0.084 2.13	0.109 2.77	5.66 143.8
159,0 mm	6.250 159.0	0.063 1.60	0.031 0.79	0.625 15.88	0.344 8.74	6.032 153.21	-0.030 -0.76	0.085 2.16	0.109 2.77	6.35 161.3
165,1 mm	6.500 165.1	0.063 1.60	0.031 0.79	0.625 15.88	0.344 8.74	6.330 160.78	-0.022 -0.56	0.085 2.16	0.109 2.77	6.60 162.2
6 150	6.625 168.3	0.063 1.60	0.031 0.79	0.625 15.88	0.344 8.74	6.455 163.96	-0.022 -0.56	0.085 2.16	0.109 2.77	6.73 170.9
8 200	8.625 219.1	0.063 1.60	0.031 0.79	0.750 19.05	0.469 11.91	8.441 214.40	-0.025 -0.64	0.092 2.34	0.109 2.77	8.80 223.5
10 250	10.750 273.0	0.063 1.60	0.031 0.79	0.750 19.05	0.469 11.91	10.562 268.28	-0.027 -0.69	0.094 2.39	0.134 3.40	10.92 277.4
12 300	12.750 323.9	0.063 1.60	0.031 0.79	0.750 19.05	0.469 11.91	12.531 318.29	-0.030 -0.76	0.109 2.77	0.156 3.96	12.92 328.2

Unit Weights For Medium and Heavy Series

Outside Diameter	Outside Diameter	Wall Thickness	Unit Weight*	Outside Diameter	Outside Diameter	Wall Thickness	Unit Weight*
(inch)	(mm)	(mm)	(kg/mt)	(inch)	(mm)	(mm)	(kg/mt)
1/2"	21.30	2.60	1.21	1/2"	21.30	3.20	1.44
3/4"	26.90	2.60	1.56	3/4"	26.90	3.20	1.87
1"	33.70	3.20	2.41	1"	33.70	4.00	2.93
1 1/4"	42.40	3.20	3.10	1 1/4"	42.40	4.00	3.79
1 1/2"	48.30	3.20	3.56	1 1/2"	48.30	4.00	4.37
2"	60.30	3.60	5.03	2"	60.30	4.50	6.19
2 1/2"	76.10	3.60	6.42	2 1/2"	76.10	4.50	7.93
3"	88.90	4.00	8.36	3"	88.90	5.00	10.30
4"	114.30	4.50	12.20	4"	114.30	5.40	14.50
5"	139.70	5.00	16.60	5"	139.70	5.40	17.90
6"	165.10	5.00	19.80	6"	165.10	5.40	21.30

* Above unit weights are for plain end bare and vanished tubes