

RECOMMENDED WORKING PRESSURES

SABS/SANS 62

PIPE SIZE Nominal bore	MAX WORKING PRESSURE IN kPa Taper/parallel joint			STEAM, AIR AND GAS SERVICE (260°C max)	
	WATER SERVICE at ambient temperature				
mm	LIGHT	MEDIUM	HEAVY	MEDIUM	HEAVY
15	1 050	2 100	2 400	1 050	1 200
20	1 050	2 100	2 400	1 050	1 200
25	1 050	2 100	2 400	1 050	1 200
32	850	1 700	2 100	850	1 050
40	850	1 700	2 100	850	1 050
50	700	1 400	1 700	700	850
65	700	1 400	1 700	700	850
80	700	1 400	1 700	700	850
100	550	1 050	1 400	550	700
125	-	1 050	1 400	550	700
150	-	850	1 050	400	550

Pipes are hydraulically tested to 5 000 kPa for light pipe
and 7 000 kPa for medium and heavy pipe.

SABS 719 - GRADE B

TEST PRESSURE IN kPa						
NOMINAL BORE mm	OUTSIDE DIAMETER mm	WALL THICKNESS mm				
		4,5	6,0	8,0	10	12
200	219,1	7430	9900	13200	16500	19800
250	273,1	5960	7950	10590	13240	15890
300	323,9	5020	6700	8930	11160	13390
350	355,6	4580	6100	8130	10170	12200
400	406,4	4000	5340	7120	8900	10670
450	457,0	3560	4750	6330	6910	9490
500	508,0	3200	4270	5690	7120	8540
550	559,0	2910	3880	5180	6470	7760
600	610,0	2670	3560	4740	5930	7120
650	660,0	2460	3290	4380	5480	6570
700	711,0	2290	3050	4070	5080	6100
750	762,0	2140	2850	3800	4740	5690
800	813,0	2000	2670	3560	4450	5340
850	864,0	1880	2510	3350	4190	5020
900	914,0	1780	2370	3160	3960	4750
950	965,0	1690	2250	3000	3750	4500
1000	1016,0	1600	2140	2850	3560	4270

Yield stress of steel - 241 MPa

Test pressures above are based on stressing steel to 75% of minimum specified yield stress and are applied only to plain ended pipes. This table is subject to a maximum of 7 000 kPa - unless agreed upon.