



K.D INDUSTRIES INC.

ASTM A795 SCH 10 Grade A & B

Black and Hot Dip Galvanized Steel Pipes

Nominal Pipe	Outside diameter		Wall thickness		Nominal Weight (mass) per unit Length, Plain End			Test Pressure for Plain End Pipe			
	Standard		Standard		kg/mtr	lb/ft	Schedule	Grade A		Grade B	
Inch	Inch	mm	Inch	mm				psi	kpa	psi	kpa
1/2"	0.840	21.3	0.083	2.11	1.00	0.670	10				
3/4"	1.050	26.7	0.083	2.11	1.28	0.860	10	700	4800	700	4800
1"	1.315	33.4	0.109	2.77	2.09	1.400	10	700	4800	700	4800
1.1/4"	1.660	42.2	0.109	2.77	2.69	1.810	10	1000	6890	1000	6890
1.1/2"	1.900	48.3	0.109	2.77	3.11	2.090	10	1000	6890	1000	6890
2"	2.375	60.3	0.109	2.77	3.93	2.640	10	1000	6890	1000	6890
2.1/2"	2.875	73.0	0.120	3.050	5.26	3.530	10	1000	6890	1000	6890
3"	3.500	88.9	0.120	3.050	6.46	4.340	10	1000	6890	1000	6890
3.1/2"	4.000	101.6	0.120	3.050	7.41	4.980	10	1200	8270	1200	8270
4"	4.500	114.3	0.120	3.050	8.37	6.620	10	1200	8270	1200	8270
5"	5.563	141.3	0.134	3.400	11.58	7.780	10	1200	8270	1200	8270
6"	6.625	168.3	0.134	3.400	13.85	9.300	10	1000	6890	1000	6890

1. **Tolerances**
 - a) **On Thickness** : As per standard.
 - b) **On Diameter** : For NPS 1 1/2" & under any point shall not vary more than +0.4mm -0.8mm.
For NPS 2" & above shall not vary more than ± 1% from the standard specification.
 - c) **On Weight** : The weight of the pipe shall not more than ±5% of the specified
2. **Chemical Composition ASTM A795 Grade A** : % Max C- 0.25%, Mn- 0.95%, P-0.035%, S- 0.035%
3. **Chemical Composition ASTM A795 Grade B** : % Max C- 0.30%, Mn- 1.20%, P-0.035%, S- 0.035%
4. **Mechanical - Grade A** : Min Yield Strength - 205 N/mm², Tensile Strength - 330 N/mm², Elongation 25-30%
5. **Mechanical - Grade B** : Min Yield Strength - 240 N/mm², Tensile Strength - 415 N/mm², Elongation 25-30%