

AS 1074

- Production Standard of AS 1074
- Dimensions and Sizes of AS 1074
- Chemical Composition of AS 1074
- Mechanical Properties Tensile Strength and Yield Strength of AS 1074



● Production Standard of AS 1074

● AS 1074

AS 1074 is an Australia and New Zealand standard.
Applicable to threaded and plain end pipes per AS 1722.1.
Covers DN 8 to DN 150 inclusive (nominal size).

AS 1074 is a unalloyed carbon steel welded round tubes are designed for use at room temperature, making them ideal for a variety of applications, including sprinkler and fire prevention systems.

● Dimensions and Sizes of AS 1074

Size		Class	O.D. (mm)		W.T. (mm)	Weight (Plain End) (kg/mtr.)	Weight (Socketed) (kg/mtr.)	Pcs/Bundle
DN	Inch		Min	Max				
15	1/2"	L	21	21.4	2	0.947	0.956	217
20	3/4"	L	26.4	26.9	2.3	1.38	1.39	127
25	1"	L	33.2	33.8	2.6	1.98	2	91
32	1 1/4"	L	41.9	42.5	2.6	2.54	2.57	61
40	1 1/2"	L	47.8	48.4	2.9	3.23	3.27	61
50	2"	L	59.6	60.2	2.9	4.08	4.15	37
65	2 1/2"	L	75.2	76	3.2	5.71	5.83	37

80	3"	L	87.9	88.7	3.2	6.72	6.89	19
100	4"	L	113	113.9	3.6	9.75	10	19
15	1/2"	M	21.1	21.7	2.6	1.21	1.22	217
20	3/4"	M	26.6	27.2	2.6	1.56	1.57	127
25	1"	M	33.4	34.2	3.2	2.41	2.43	91
32	1 1/4"	M	42.1	42.9	3.2	3.1	3.13	61
40	1 1/2"	M	48	48.8	3.2	3.57	3.61	61
50	2"	M	59.8	60.8	3.6	5.03	5.1	37
65	2 1/2"	M	75.4	76.6	3.6	6.43	6.55	37
80	3"	M	88.1	89.5	4	8.37	8.54	19
100	4"	M	113.3	114.9	4.5	12.2	12.5	19
125	5"	M	138.7	140.6	5	16.6	17.1	13
150	6"	M	164.1	166.1	5	19.7	20.3	10
15	1/2"	H	21.1	21.7	3.2	1.44	1.45	217
20	3/4"	H	26.6	27.2	3.2	1.87	1.88	127
25	1"	H	33.4	34.2	4	2.94	2.96	91
32	1 1/4"	H	42.1	42.9	4	3.8	3.83	61
40	1 1/2"	H	48	48.8	4	4.38	4.42	61
50	2"	H	59.8	60.8	4.5	6.19	6.26	37
65	2 1/2"	H	75.4	76.6	4.5	7.93	8.05	37
80	3"	H	88.1	89.5	5	10.3	10.5	19
100	4"	H	113.3	114.9	5.4	14.5	14.8	19
125	5"	H	138.7	140.6	5.4	17.9	18.4	13
150	5"	H	164.1	166.1	5.4	21.3	21.9	10

●Chemical Composition of AS 1074

Elements of AS/NZS 1074 Pipes	Max %
S	0.05%
P	0.05%
CE	0.40%

●Mechanical Properties Tensile Strength and Yield Strength of AS 1074

AS/NZS 1074 Mechanical Properties	Minimum Requirement
Yield Strength (MPa)	195
Tensile Strength (MPa)	320
Elongation (%)	20