



times change **copper remains**

KEMBLA[®]

COPPER TUBE TO
AMERICAN STANDARD

ASTM B88



KEMBLA® copper tube to AMERICAN STANDARD

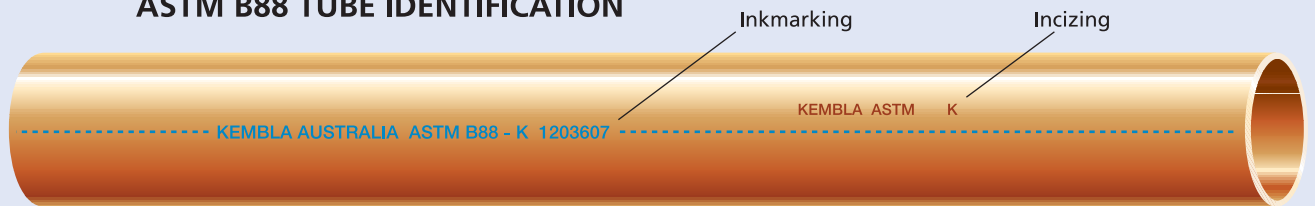
KEMBLA® COPPER TUBE TO AMERICAN STANDARD ASTM B88

MM Kembla is a world class producer and Australia's leading supplier of copper tube and manufactures under the famous **KEMBLA®** brand name. MM Kembla manufactures a comprehensive range of tube and fittings products to comply with a variety of International Standards.

Included in the **KEMBLA®** range is American Standard ASTM B88 copper tube, the specified copper plumbing tube standard used in America and a number of Asian countries.

KEMBLA® copper tube is manufactured to fully conform to ASTM B88 specifications and is available in Types K, L and M in either bare or lagged tube for use in both hot and cold water applications. It is supplied in diameters of 9.52 to 155.58mm (3/8" to 6 1/8") and lengths of 5.8m to facilitate ease of containerisation.

ASTM B88 TUBE IDENTIFICATION



KEMBLA® COPPER FITTINGS TO AMERICAN STANDARD ASME B16.22

MM Kembla is a leading supplier of copper fittings and manufactures under the famous **KEMBLA®** and **K Tick** brand marks. A comprehensive range of copper fittings are manufactured to a variety of applications and International Standards.

KEMBLA® American Standard fittings are manufactured in accordance with ASME B16.22 and are suitable for use with ASTM B88 copper tube.

PLASTIC COVERED COPPER TUBE

MM Kembla has developed **Kemlag Plus** and **Kemline Plus** pre-insulated copper tube for a range of plumbing applications. The products consist of tube encapsulated in a tough, solid extruded polyethylene jacket.

This polyethylene sheathed tubing is suitable for use in a variety of applications including; burying in corrosive soils, laying under floors and concrete slabs (where approved), chasing into walls and masonry, exposed or aggressive environments. The covering is coloured white, and is all Low Smoke Halogen Free (LSHF). This insulation will soften at elevated temperatures and the product should not be used for installations operating continuously at temperatures above 90°C.

Kemlag Plus® insulation is internally profiled to entrap air and provide a thermal barrier. It is suitable for both hot and cold water plumbing and is useful in preventing condensation.



Kemline Plus® has a tough, thin, space-saving covering. The moisture resistant jacket makes the product suitable for cold water applications and where tube may be concealed or exposed to aggressive environments. This tube is also suitable for gas line installations.



TYPE 'K'

Nominal Size (inch)	ACTUAL (inch)		ACTUAL (mm)		Mass kg / 5.8m	Safe Working Pressure*(kPa)	Lengths per Bundle
	o.d.	w.t.	o.d.	w.t.			
1/4	3/8	0.035	9.52	0.89	1.25	7,397	100
3/8	1/2	0.049	12.70	1.24	2.31	7,751	100
1/2	5/8	0.049	15.88	1.24	2.96	6,106	100
5/8	3/4	0.049	19.05	1.24	3.60	5,040	100
3/4	7/8	0.065	22.22	1.65	5.53	5,790	100
1	1 1/8	0.065	28.58	1.65	7.24	4,445	100
1-1/4	1 3/8	0.065	34.92	1.65	8.95	3,610	50
1-1/2	1 5/8	0.072	41.28	1.83	11.77	3,380	30
2	2 1/8	0.083	53.98	2.11	17.85	2,968	30
2-1/2	2 5/8	0.095	66.68	2.41	25.25	2,739	30
3	3 1/8	0.109	79.38	2.77	34.60	2,642	20
3-1/2	3 5/8	0.120	92.08	3.05	44.27	2,504	20
4	4 1/8	0.134	104.78	3.40	56.20	2,452	10
5	5 1/8	0.160	130.18	4.06	83.49	2,355	8
6	6 1/8	0.192	155.58	4.88	119.90	2,368	5

TYPE 'L'

Nominal Size (inch)	ACTUAL (inch)		ACTUAL (mm)		Mass kg / 5.8m	Safe Working Pressure*(kPa)	Lengths per Bundle
	o.d.	w.t.	o.d.	w.t.			
1/4	3/8	0.030	9.52	0.76	1.08	6,251	100
3/8	1/2	0.035	12.70	0.89	1.71	5,447	100
1/2	5/8	0.040	15.88	1.02	2.47	4,970	100
5/8	3/4	0.042	19.05	1.07	3.14	4,320	100
3/4	7/8	0.045	22.22	1.14	3.92	3,932	100
1	1 1/8	0.050	28.58	1.27	5.66	3,388	100
1-1/4	1 3/8	0.055	34.92	1.40	7.65	3,047	50
1-1/2	1 5/8	0.060	41.28	1.52	9.85	2,791	30
2	2 1/8	0.070	53.98	1.78	15.15	2,493	30
2-1/2	2 5/8	0.080	66.68	2.03	21.40	2,297	30
3	3 1/8	0.090	79.38	2.29	28.78	2,174	20
3-1/2	3 5/8	0.100	92.08	2.54	37.08	2,077	20
4	4 1/8	0.110	104.78	2.79	46.39	2,003	10
5	5 1/8	0.125	130.18	3.18	65.85	1,835	8
6	6 1/8	0.140	155.58	3.56	88.24	1,717	5

TYPE 'M'

Nominal Size (inch)	ACTUAL (inch)		ACTUAL (mm)		Mass kg / 5.8m	Safe Working Pressure*(kPa)	Lengths per Bundle
	o.d.	w.t.	o.d.	w.t.			
1/4	3/8	0.025	9.52	0.64	0.93	5,233	100
3/8	1/2	0.025	12.70	0.64	1.26	3,859	100
1/2	5/8	0.028	15.88	0.71	1.76	3,409	100
5/8	3/4	0.030	19.05	0.76	2.27	3,026	100
3/4	7/8	0.032	22.22	0.81	2.82	2,763	100
1	1 1/8	0.035	28.58	0.89	4.02	2,351	100
1-1/4	1 3/8	0.042	34.92	1.07	5.90	2,312	50
1-1/2	1 5/8	0.049	41.28	1.24	8.10	2,266	30
2	2 1/8	0.058	53.98	1.47	12.59	2,050	30
2-1/2	2 5/8	0.065	66.68	1.65	17.49	1,859	30
3	3 1/8	0.072	79.38	1.83	23.14	1,730	20
3-1/2	3 5/8	0.083	92.08	2.11	30.95	1,719	20
4	4 1/8	0.095	104.78	2.41	40.22	1,726	10
5	5 1/8	0.109	130.18	2.77	57.54	1,595	8
6	6 1/8	0.122	155.58	3.10	77.06	1,492	5

* Safe Working Pressures are based on annealed temper for temperatures up to 50°C

times change copper remains



1920



2010

MM Kembla was established in 1916 at Port Kembla, south of Sydney, in the state of New South Wales, Australia. It was from this location that the famous **KEMBLA**® brand originated. The company has been manufacturing copper products on the site since 1918 and first made copper tube there in 1920.

The factory is certified as a Quality Endorsed facility to ISO9001 by SAI Global, as shown by the Certificate of Registration below. MM Kembla also has a variety of third party accreditations to Australian, British/European and American Standards for many of its product ranges.



www.kembla.com.au

Gloucester Boulevard,
PO Box 21, Port Kembla,
NSW 2505, AUSTRALIA

TELEPHONE + 61 2 4223 5200
FACSIMILE + 61 2 4223 5235
EMAIL tubesales@kembla.com.au