KENBLA MEDICAL GAS

COPPER FITTINGS TO EUROPEAN STANDARD

BS EN 1254







MM Kembla was established in 1916 at Port Kembla, NSW, Australia, and it was from this locality that the famous **KEMBLA**® brand name originated. MM Kembla is Australasia's largest and most highly regarded manufacturer of copper products, including rod, wire, tube, fittings and accessories.

Included in the **KEMBLA®** range are Medical Gas copper fittings manufactured and tested for cleanliness in accordance with European Standard BS EN 1254-1: fittings with ends for capillary soldering or capillary brazing to copper tubes. These fittings comply with the requirements of HTM 02-01 Medical Gas Pipeline Systems: Part A Design, installation, validation.

All bags of fittings are marked as suitable for Medical Gas purposes and ensuring that the critical cleanliness is achieved and maintained until it is ready to be installed.

KEMBLA® fittings are marketed under the famous **KEMBLA**® and K Tick brand marks. A full range of fittings is available to suit **KEMBLA**® BS EN 13348 Medical Gas tube from 8mm to 159mm.



MM Kembla has been accredited by SAI Global Limited, of Australia, as a Quality Endorsed Company, to ISO 9001, Lic 0002/01, and as such has a quality management system in place that ensures all manufactured product complies with the relevant specification.



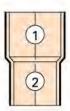




Capillary

Bushings -Male/Female

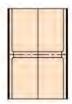
Model: ENN



10 x 8 12 x 8 12 x 10 15 x 8 15 x 10 15 x 12
12 x 8 12 x 10 15 x 8 15 x 10
12 x 10 15 x 8 15 x 10
15 x 8 15 x 10
15 x 10
15 x 10 15 x 12
15 x 12
22 x 10
22 x 15
28 x 15
28 x 22
* 35 x 15
35 x 22
35 x 28
42 x 22
42 x 28
42 x 35
54 x 22
54 x 28
54 x 35
54 x 42
+ 07 . 00
67 x 28
67 x 35
67 x 42
67 x 54
* 76 x 22
* 76 x 28
* 76 x 35
76 x 42
76 x 54
76 x 67
* 108 x 42
108 x 54
108 x 67
108 x 76 * 159 x 54
* 159 x 67 159 x 76
159 x 76

Connectors - Female/Female

Model: ECC



Nominal Size (mm)
8
10
12
15.
22
28
35
42
54
67
76
108
159

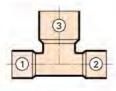
Tee - Reducing Female/Female /Female

Model: ETR



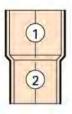
10 x 8

12 x 8



Reducers - Female/Female

Model: ERR

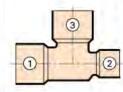


12 10
12 x 10
15 x 8
15 x 10 15 x 12 22 x 10
15 x 12
22 x 10
22 x 15
22 x 15 28 x 15
28 x 22
* 35 x 15
35 x 22
35 x 28
42 x 22
42 x 28
42 x 35
54 x 22
54 x 28
54 x 35
54 x 42
* 67 x 22
67 x 28
67 x 35
67 x 42
67 x 54
* 76 x 22
* 76 x 28
* 76 x 35
76 x 42
76 x 54
76 x 67
* 108 x 42
108 x 54
108 x 67
108 x 76
* 159 x 54
* 159 x 67
159 x 76
159 x 108

Tee - In Line Reduction

Model: ETR

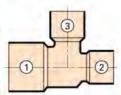




Tee - In Line & Branch Reduction

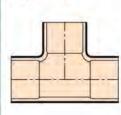
Model: ETR





Tees - Equal Female/Female/ Female Nominal Size (mm) 8

Model: ETE

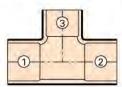


١	Size (mm)
	8
I	10
l	12
	15
	22
	28
	35
	42
	54
I	67
	76
	108
1	159

Capillary

Tees -Reducing Female/Female/ Female

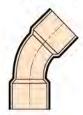
Model: ETR



Nominal Size (mm)
1 2 3
12 x 12 x 10
15 x 15 x 8
15 x 15 x 10
15 x 15 x 12 22 x 22 x15
28 x 28 x15
28 x 28 x 22
35 x 35 x 15
35 x 35 x 22
35 x 35 x 28
42 x 42 x 15
42 x 42 x 22 42 x 42 x 28
42 x 42 x 28
42 x 42 x 35
54 x 54 x 15
54 x 54 x 22
54 x 54 x 28
54 x 54 x 35
54 x 54 x 42
67 x 67 x 15 67 x 67 x 22
67 x 67 x 28
67 x 67 x 35
67 x 67 x 42
67 x 67 x54
* 76 x 76 x 15
76 x 76 x 22
76 x 76 x 28
76 X 76 X 35
76 x 76 x 42
76 x 76 x 54
10 10 10 101
108 x 108 x 22
108 x 108 x 28
108 x 108 x 35
108 x 108 x 42
108 x 108 x 54
108 x 108 x 67
108 x 108 x 76
159 x 159 x 54
159 x 159 x 67
159 x 159 x 76
159 x 159 x 108

45° Elbows -Short Radius Female/Female

Model: EEFS



Nomi	
Size (n	ши
8	
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15	-
22	T
28	
35	
42	11 1
54	
67	
76	
108	
159)

90° Elbows -Short Radius Female/Female

Model: EENS



Size (mm)
8
10
12
15
22
28
35
42
54
67
76
108
159

Nominal

90° Elbows -Long Radius Female/Female

Model: EEN



S	ze (mm)
*	8
*	10
*	12
*	15
*	22
*	28
*	35
*	42
*	54
*	67
*	76
*	108
*	159

Elbow -Reduction

Model; REN



Nominal Size (mm) 22 x 15

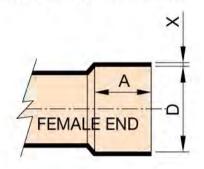
Specifications

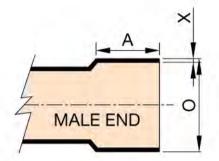
Capillary fittings are manufactured to meet the requirements of British Standard BS EN 1254-1 and 1254-5.

Working Temperature and Pressure

Maximum operation pressure for corresponding service temperature refers to BS EN 1254-1

Female and Male End Dimensions





Nominal Size (mm)	Female End Internal Diameter (D)		Male End External Diameter (0)		Length (A)	Wall Thickness (x)
	8	8.15	8.06	8.04	7.95	6.8
10	10.15	10.06	10.04	9.95	7.8	0.6
12	12.15	12.06	12.04	11.95	8.6	0.6
15	15.15	15.06	15.04	14.95	10.6	0.7
22	22.18	22.07	22.05	21.94	15.4	0.9
28	28.18	28.07	28.05	27.94	18.4	0.9
35	35.23	35.09	35.06	34.93	23.0	1.0
42	42.23	42.09	42.06	41.93	27.0	1.1
54	54.23	54.09	54.06	53.93	32.0	1.2
67	67.03	66.80	67.77	66.62	33.5	1.4
76	76.43	76.20	76.17	76.02	33.5	1.6
108	108.33	108.10	108.07	107.92	47.5	2.1
*159	159.70	159.23	159.20	158.80	21.0	2.6

Remark: *Size 159 according to BS EN 1254-5



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