

# Copper Tube TO AS 1432

SEAMLESS  
COPPER TUBE



## USAGE

- Plumbing
- Gas Fittings
- Drainage

## BENEFITS

- Manufactured to Australian Standard AS1432.
- Premium quality Australian Copper.
- No risk. Manufactured by an Australian company with over 90 years experience.
- Stronger and more reliable.
- Easily repaired where necessary.
- Safe. Does not burn or support combustion. Max service temp of 200°C.
- Supported by a full range of copper fittings.
- Kembla Tube is stocked nationwide for prompt delivery.
- Backed by MM Kembla's reputation for quality, service and customer care.

## FEATURES

- Seamless Copper Tube. Available in sizes 6.33mm up to and including 254mm.
- Available as 'Hard Drawn' straight lengths, (BQ) 'Bendable Quality' straight lengths or, annealed coils.
- 'Kemlag' Pre-insulated copper tube is available with a green plastic sheathing. Used in a variety of 'end use' applications e.g. short run domestic hot water lines, burying in corrosive soils, laying under floors and concrete slabs (where approved), chasing into walls and masonry, pipework exposed to aggressive environments. Also UV resistant.
- Lagged copper tubes for recycled water are available with a lilac coloured lagging. Used for the purpose of differentiating between drinking water pipes and those used for recycled water.
- 'Kemline' biscuit coloured pre-insulated tube is used as LP gas pipelines for vehicle engines and satisfies the requirements of AS1425.
- Plain copper 3m Handycoils available in sizes ½" and ¾".
- MM Kembla copper tube can be cut to size. Lengths available from 1.5m (min order quantities apply.)

## INSTALLATION

- For sizes and safe working pressures please refer to the table overleaf.
- MM Kembla copper tube is easily identified by the incise markings on the tube. Consisting of the Manufacturer's trademark, the WaterMark, the Australian Standards Number, the Licence Number, nominal size, thickness type, and "BQ" to identify bendable temper tubes. E.g. Kembla AS 1432 LIC945 DN 15B BQ.

## TYPE A

| Nom. Size | Actual Tube Size (Metric) | Actual Tube Size (Imperial) | kg per 6m length | Pack Qty. | *Safe Working Pressure (kPa) |
|-----------|---------------------------|-----------------------------|------------------|-----------|------------------------------|
| DN6       | 6.35 x 0.91               | 1/4" x 20g                  | 0.83             | 200       | 11,320                       |
| DN8       | 7.94 x 0.91               | 5/16" x 20g                 | 1.08             | 200       | 8,810                        |
| DN10      | 9.52 x 1.02               | 3/8" x 19g                  | 1.46             | 200       | 8,350                        |
| DN15      | •12.70 x 1.02             | 1/2" x 19g                  | 2.01             | 100       | 6,100                        |
| DN18      | •15.88 x 1.22             | 5/8" x 18g                  | 3.00             | 100       | 5,750                        |
| DN20      | •19.05 x 1.42             | 3/4" x 17g                  | 4.22             | 100       | 5,560                        |
| DN25      | 25.40 x 1.63              | 1" x 16g                    | 6.53             | 100       | 4,750                        |
| DN32      | 31.75 x 1.63              | 1 1/4" x 16g                | 8.28             | 50        | 3,750                        |
| DN40      | 38.10 x 1.63              | 1 1/2" x 16g                | 10.03            | 50        | 3,100                        |
| DN50      | 50.80 x 1.63              | 2" x 16g                    | 13.52            | 30        | 2,310                        |
| DN65      | 63.50 x 1.63              | 2 1/2" x 16g                | 17.01            | 30        | 1,840                        |
| DN80      | 76.20 x 2.03              | 3" x 14g                    | 25.39            | 25        | 1,900                        |
| DN90      | 88.90 x 2.03              | 3 1/2" x 14g                | 29.73            | 15        | 1,630                        |
| DN100     | 101.60 x 2.03             | 4" x 14g                    | 34.09            | 10        | 1,500                        |
| DN125     | 127.00 x 2.03             | 5" x 14g                    | 42.79            | 8         | 1,200                        |
| DN150     | 152.40 x 2.64             | 6" x 12g                    | 66.68            | 7         | 1,300                        |
| DN200     | 203.20 x 2.64             | 8" x 12g                    | random           | 1         | 910                          |

## TYPE B

| Nom. Size | Actual Tube Size (Metric) | Actual Tube Size (Imperial) | kg per 6m length | Pack Qty. | *Safe Working Pressure (kPa) |
|-----------|---------------------------|-----------------------------|------------------|-----------|------------------------------|
| DN6       | 6.35 x 0.71               | 1/4" x 22g                  | 0.54             | 200       | 8,560                        |
| DN8       | 7.94 x 0.71               | 5/16" x 22g                 | 0.86             | 200       | 6,700                        |
| DN10      | 9.52 x 0.91               | 3/8" x 20g                  | 1.32             | 200       | 7,220                        |
| DN15      | •12.70 x 0.91             | 1/2" x 20g                  | 1.81             | 100       | 5,290                        |
| DN18      | •15.88 x 1.02             | 5/8" x 19g                  | 2.56             | 100       | 4,810                        |
| DN20      | •19.05 x 1.02             | 3/4" x 19g                  | 3.10             | 100       | 3,970                        |
| DN25      | 25.40 x 1.22              | 1" x 18g                    | 4.97             | 100       | 3,500                        |
| DN32      | 31.75 x 1.22              | 1 1/4" x 18g                | 6.28             | 50        | 2,780                        |
| DN40      | 38.10 x 1.22              | 1 1/2" x 18g                | 7.59             | 50        | 2,300                        |
| DN50      | 50.80 x 1.22              | 2" x 18g                    | 10.20            | 30        | 1,710                        |
| DN65      | 63.50 x 1.22              | 2 1/2" x 18g                | 12.82            | 30        | 1,370                        |
| DN80      | 76.20 x 1.63              | 3" x 16g                    | 20.50            | 25        | 1,520                        |
| DN90      | 88.90 x 1.63              | 3 1/2" x 16g                | 23.98            | 15        | 1,300                        |
| DN100     | 101.60 x 1.63             | 4" x 16g                    | 27.49            | 10        | 1,200                        |
| DN125     | 127.00 x 1.63             | 5" x 16g                    | 34.46            | 8         | 960                          |
| DN150     | 152.40 x 2.03             | 6" x 14g                    | 51.49            | 7         | 1,000                        |
| DN200     | 203.20 x 2.03             | 8" x 14g                    | random           | 1         | 720                          |

## TYPE C

| Nom. Size | Actual Tube Size (Metric) | Actual Tube Size (Imperial) | kg per 6m length | Pack Qty. | *Safe Working Pressure (kPa) |
|-----------|---------------------------|-----------------------------|------------------|-----------|------------------------------|
| DN10      | 9.52 x 0.71               | 3/8" x 22g                  | 1.06             | 200       | 5,520                        |
| DN15      | •12.70 x 0.71             | 1/2" x 22g                  | 1.43             | 100       | 4,070                        |
| DN18      | •15.88 x 0.91             | 5/8" x 20g                  | 2.30             | 100       | 4,180                        |
| DN20      | •19.05 x 0.91             | 3/4" x 20g                  | 2.780            | 100       | 3,450                        |
| DN25      | 25.40 x 0.91              | 1" x 20g                    | 3.76             | 100       | 2,560                        |

## TYPE D

| Nom. Size | Actual Tube Size (Metric) | Actual Tube Size (Imperial) | kg per 6m length | Pack Qty. | *Safe Working Pressure (kPa) |
|-----------|---------------------------|-----------------------------|------------------|-----------|------------------------------|
| DN32      | 31.75 x 0.91              | 1 1/4" x 20g                | 4.73             | 50        | 2,040                        |
| DN40      | 38.10 x 0.91              | 1 1/2" x 20g                | 5.71             | 50        | 1,690                        |
| DN50      | 50.80 x 0.91              | 2" x 20g                    | 7.66             | 30        | 1,260                        |
| DN65      | 63.50 x 0.91              | 2 1/2" x 20g                | 9.61             | 30        | 1,010                        |
| DN80      | 76.20 x 1.22              | 3" x 18g                    | 15.43            | 25        | 1,130                        |
| DN90      | 88.90 x 1.22              | 3 1/2" x 18g                | 20.65            | 15        | 970                          |
| DN100     | 101.60 x 1.22             | 4" x 18g                    | 20.65            | 10        | 890                          |
| DN125     | 127.00 x 1.42             | 5" x 17g                    | 30.07            | 8         | 830                          |
| DN150     | 152.40 x 1.63             | 6" x 16g                    | 41.45            | 7         | 800                          |

## OTHER STRAIGHT LENGTHS

| Actual Tube Size (Metric) | Actual Tube Size (Imperial) | Length | Pack Qty. |
|---------------------------|-----------------------------|--------|-----------|
| <b>HARD DRAWN</b>         |                             |        |           |
| 19.05 x 1.22              | 3/4" x 18g                  | 6m     | 100       |
| 19.05 x 1.63              | 3/4" x 16g                  | 6m     | 100       |
| 101.60 x 0.91             | 4" x 20g                    | 6m     | 10        |
| 152.40 x 0.91             | 6" x 20g                    | 6m     | 7         |
| 254.40 x 2.03             | 10" x 14g                   | Random | 1         |
| 254.00 x 2.64             | 10" x 12g                   | Random | 1         |

## 70/30 DR SWV BRASS

| Actual Tube Size (Metric) | Actual Tube Size (Imperial) | Length | Pack Qty. |
|---------------------------|-----------------------------|--------|-----------|
| 38.10 x 1.22              | 1 1/2" x 18g                | 6m     | 50        |
| 50.80 x 1.22              | 2" x 18g                    | 6m     | 30        |
| 63.50 x 1.22              | 2 1/2" x 18g                | 6m     | 30        |
| 76.20 x 1.22              | 3" x 18g                    | 6m     | 25        |
| 101.60 x 1.22             | 4" x 18g                    | 6m     | 10        |

## LAGGED COILS FOR GAS

| Actual Tube Size (Metric) | Actual Tube Size (Imperial) | Length | Pack Qty. |
|---------------------------|-----------------------------|--------|-----------|
| 6.35 x 0.91               | 1/4" x 20g                  | 18m    | 1         |
| 7.94 x 0.91               | 5/16" x 20g                 | 18m    | 1         |
| 9.52 x 0.91               | 3/8" x 20g                  | 18m    | 1         |

\* Safe Working Pressures applicable up to 50°C.  
 • Generally supplied as "BQ" – bendable quality.

| KEMLAG STRAIGHTS          |                             |        |           |
|---------------------------|-----------------------------|--------|-----------|
| Actual Tube Size (Metric) | Actual Tube Size (Imperial) | Length | Pack Qty. |
| <b>TYPE A</b>             |                             |        |           |
| •12.70 x 1.02             | 1/2" x 19g                  | 6m     | 25        |
| •19.05 x 1.42             | 3/4" x 17g                  | 6m     | 25        |
| <b>TYPE B</b>             |                             |        |           |
| •12.70 x 0.91             | 1/2" x 20g                  | 6m     | 25        |
| •15.88 x 1.02             | 5/8" x 19g                  | 6m     | 25        |
| •19.05 x 1.02             | 3/4" x 19g                  | 6m     | 25        |
| 25.40 x 1.22              | 1" x 18g                    | 6m     | 25        |
| 31.75 x 1.22              | 1 1/4" x 18g                | 6m     | 150       |
| 38.10 x 1.22              | 1 1/2" x 18g                | 6m     | 100       |
| 50.80 x 1.22              | 2" x 18g                    | 6m     | 75        |
| 101.60 x 1.63             | 4" x 16g                    | 6m     | 15        |
| <b>TYPE C</b>             |                             |        |           |
| •12.70 x 0.71             | 1/2" x 22g                  | 6m     | 25        |
| •15.88 x 0.91             | 5/8" x 20g                  | 6m     | 25        |
| •19.05 x 0.91             | 3/4" x 20g                  | 6m     | 25        |
| 25.40 x 0.91              | 1" x 20g                    | 6m     | 25        |

| LAGGED TUBES FOR RECYCLED WATER |                             |        |           |
|---------------------------------|-----------------------------|--------|-----------|
| Actual Tube Size (Metric)       | Actual Tube Size (Imperial) | Length | Pack Qty. |
| 12.70 x 0.91                    | 1/2" x 20g                  | 6m     | 25        |
| 19.05 x 1.02                    | 3/4" x 19g                  | 6m     | 25        |
| 25.40 x 1.22                    | 1" x 18g                    | 6m     | 25        |
| 31.75 x 1.22                    | 1 1/4" x 18g                | 6m     | 150       |
| 38.10 x 1.22                    | 1 1/2" x 18g                | 6m     | 100       |
| 50.80 x 1.22                    | 2" x 18g                    | 6m     | 75        |
| 63.50 x 1.22                    | 2 1/2" x 18g                | 6m     | 60        |
| 76.20 x 1.63                    | 3" x 16g                    | 6m     | 40        |
| 101.60 x 1.63                   | 4" x 16g                    | 6m     | 15        |

| ANNEALED COILS            |                             |        |           |
|---------------------------|-----------------------------|--------|-----------|
| Actual Tube Size (Metric) | Actual Tube Size (Imperial) | Length | Pack Qty. |
| <b>TYPE A</b>             |                             |        |           |
| 6.35 x 0.91               | 1/4" x 20g                  | 30m    | 6         |
| 7.94 x 0.91               | 5/16" x 20g                 | 30m    | 6         |
| 12.70 x 1.02              | 1/2" x 19g                  | 18m    | 6         |
| 19.05 x 1.42              | 3/4" x 17g                  | 18m    | 4         |
| 25.40 x 1.63              | 1" x 16g                    | 18m    | 1         |
| 31.75 x 1.63              | 1 1/4" x 16g                | 18m    | 1         |
| <b>TYPE B</b>             |                             |        |           |
| 9.52 x 0.91               | 3/8" x 20g                  | 18m    | 8         |
| 12.70 x 0.91              | 1/2" x 20g                  | 18m    | 6         |
| 15.88 x 1.02              | 5/8" x 19g                  | 18m    | 5         |
| 19.05 x 1.02              | 3/4" x 19g                  | 18m    | 4         |
| 25.40 x 1.22              | 1" x 18g                    | 18m    | 1         |
| <b>TYPE C</b>             |                             |        |           |
| 15.88 x 0.91              | 5/8" x 20g                  | 18m    | 5         |
| 19.05 x 0.91              | 3/4" x 20g                  | 18m    | 4         |

| KEMLAG ANNEALED COILS     |                             |        |           |
|---------------------------|-----------------------------|--------|-----------|
| Actual Tube Size (Metric) | Actual Tube Size (Imperial) | Length | Pack Qty. |
| <b>TYPE A</b>             |                             |        |           |
| 12.70 x 1.02              | 1/2" x 19g                  | 18m    | 1         |
| <b>TYPE B</b>             |                             |        |           |
| 12.70 x 0.91              | 1/2" x 20g                  | 18m    | 1         |
| 15.88 x 1.02              | 5/8" x 19g                  | 18m    | 1         |
| 19.05 x 1.02              | 3/4" x 19g                  | 18m    | 1         |
| <b>TYPE C</b>             |                             |        |           |
| 19.05 x 0.91              | 3/4" x 20g                  | 18m    | 1         |

• Generally supplied as "BQ" – bendable quality.

**For further information:** Refer to the current edition of The Plumbers Handbook available through your MM Kembla representative or contact Customer Service on 1800 804 631.