

Copper Victaulic

MECHANICAL JOINTING SYSTEM



USAGE

- **Plumbing**
 - Hot and cold potable water
 - Drainage water
- **Heating and Ventilation**
 - Chilled water
 - Condenser water
 - Hydronic heating
- **Fire and Industrial**
 - Compressed air
 - Storage water
 - Fire hydrants
 - Fire hose reels
 - Fire sprinklers

BENEFITS

- Manufactured by the long-established market leader, the Victaulic Company.
- Premium quality Australian copper Roll-grooved tube available through MM Kembla distributors.
- Approved for use in AS3500 - National Plumbing and Drainage Code.
- Roll grooved fittings are manufactured: to AS3688 requirements.
- Meets existing safe working pressures for Types A, B & D copper tube.
- Full range of 50mm to 150mm couplings and fittings.
- Backed by MM Kembla's reputation for quality, service and customer care.

FEATURES

- Always a leak tight seal with EPDM rubber gaskets.
- Water-free pipe not required for jointing.
- Superior vibration attenuation for brazed joints.
- No waiting time required for system to cool.
- Quick and non-destructive disassembly for retrofitting and renovation.
- Faster and easier to assemble than conventional brazing.
- No gas bottle or solder required.
- Suitable for continuous hot water up to 110°C.
- Not suitable for gas, steam or petroleum products.
- Ductile iron coupling features an angle-pad design for assured rigidity.

INSTALLATION

- Hand-driven and power-driven grooving tools available for on-site Installation.
- For once-off field test only, joint pressure may be increased to 1.5 times SWP.
- Approved for underground installation under special requirements.
- Refer to MMKembla instruction sheets to groove tube, assemble couplings and underground installation requirements.

Copper Victaulic



COUPLING FOR COPPER TUBING

Style 606 ductile iron coupling is designed specifically to fit Australian copper tube sizes DN50 to DN150 (2" to 6"), and is suitable for continuous service up to 110°C. Recommended for cold and hot water services, not recommended for petroleum, gas or steam. The coupling features a unique, patented angle pad design which allows the coupling housing to offset while clamping the tube. By permitting the housings to slide on the angled bold pads, rigidity is obtained. This design also permits removing one bolt/nut and swinging the housing over the gasket to further speed installation.

COPPER ROLL GROOVE MACHINE

The Copper Victaulic system allows tube preparation with a choice of two light, portable and readily available tools. These are copper coloured, only for use on copper tubing. Never use steel pipe grooving machines. Pre-grooved AS1432 copper tubing in Types A and B is also available from MM Kembla.

Victaulic Manual Roll Groover VE-26AC

The Victaulic manual roll groover is designed for copper tube in the DN50 to DN150 range. No roll changes are needed, and is operated with a handcrank (supplied). Trial grooving depth is easily set using the supplied set of feeler gauges. Unlike traditional roll groovers, the VE-26AC rotates around a stationary tube making it ideal for grooving on in-place systems. With only 90mm of clearance, the VE-26AC can be applied in the most confined of spaces which, combined with the lightweight (10kg) construction, makes it perfect for field applications. The tracking enhanced rolls allow bi-directional grooving, making operation easy for both right and left handed users. The VE-26AC has limitless applications and is ideal for new installations, retrofit work, pipeline directional changes or where additions to an existing system are needed.

GROOVE SPECIFICATIONS

Roll grooved 6m lengths are available from MM Kembla distributors, and a hand-grooving tool is also available for on-site grooving. Never use steel pipe grooving machines on copper tubing. Tubing grooves must be within tolerance listed below to assure proper coupling assembly. The Groove Diameter "C" is measured with a pi tape, which is wrapped around the circumference of the groove, and shows the actual diameter of the groove. Victaulic measuring tapes are available. Refer to MM Kembla instruction "Performing a Copper Roll Groove".

1 Nominal Size	2 Actual Outside Diameter (mm)		3 Gasket Seat "A" ±0.8mm	4 Groove Width "B" ±0.8mm	5 Groove Dia. "C" (mm) min-max.	6 Groove Depth "D"(mm) Ref. Only	7 Max Allow. Flare Dia. "OD"(mm)
	Min	Max					
DN50	50.67	50.80	15.87	7.60	47.73-48.23	1.25	53.06
DN65	63.35	63.50	15.87	7.60	60.38-60.88	1.27	65.83
DN80	76.02	76.20	15.87	7.60	73.06-73.56	1.27	78.51
DN100	101.35	101.60	15.87	7.60	98.28-98.78	1.35	103.88
DN125	126.75	127.00	15.87	7.60	123.17-123.67	1.60	128.77
DN150	152.10	152.40	15.87	7.60	148.55-149.05	1.60	154.66

For a detailed listing of items in the copper victaulic range please visit the MM Kembla website.

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.

MM Kembla, ABN 13 003 762 641 **Gloucester Boulevard, PO BOX 21, Port Kembla, NSW 2505**
T: 1800 804 631 F: 1800 817 846 E: tubesales@kembla.com.au www.kembla.com.au