

TAPPING BAND: DUCTILE IRON



DICL, PVC SERIES 2, POLYETHYLENE,
GRP & AC PIPELINE SYSTEMS

Ductile iron tapping bands are manufactured to AS/NZS4793 for use in pressurised water & wastewater applications. Tapping bands allow for the connection of water service pipes to a pipeline.



FEATURES

- One tapping band for use on both DICL and Series 2 PVC Pipes.
- Full circle design with positive stop prevents over-tightening during installation, which can be crucial to avoid damage to flexible pipes.
- Lead Free (DZR) Tapping Boss resulting in long-term corrosion resistance and performance.
- Extensive inventory available for immediate delivery.
- 316 Stainless Steel Fasteners with Anti-Seize coating for anti-galling protection.

APPLICATIONS

Designed to allow connections to water service pipes. Suitable for above and below ground water and wastewater applications. Can be used on a wide range of pipe materials including DICL, CICL, OPVC, MPVC, UPVC, PE & Asbestos Cement (AC). Designed for use on both flexible pipelines (Type F) and rigid pipes (Type R).

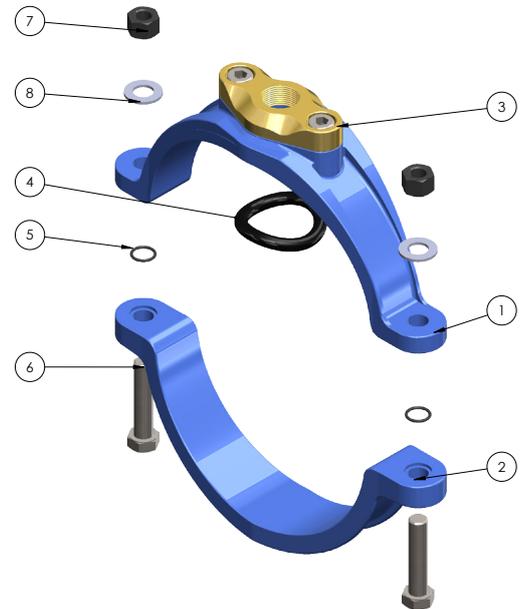
TECHNICAL DATA

| | |
|-------------------------------|--|
| Diameter Range: | DN100–DN300 Suitable for DICL, CICL, OPVC, MPVC, UPVC & Asbestos Cement (AC) PE125 & PE180 Suitable for PE Pipe |
| Pressure: | Nominal pressure range of PN16 (1,600kPa) |
| Coating: | Thermally bonded polymeric coating |
| Operating Temperature: | Maximum Operating Temperature 40° C |
| Product Standards: | AS/ZS 4793:2020 – Mechanical Tapping Bands for waterworks purposes AS/NZS4158 – Thermal-bonded polymeric coatings on valves and fittings for water industry purposes AS/NZS 4020 – Testing of products for use in contact with drinking water AS ISO 7.1 – Pipe threads where pressure-tight joints are made on the threads Dimensions, tolerances and designation WSA PS 310 – Tapping Bands-Mechanical for Pressure Applications – Water Supply |
| Product Certification | Approvalmark International – AMI 75052 |

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COMPONENTS

| ITEM | PART NAME | MATERIAL |
|------|-------------------------|---|
| 1 | Upper Tapping Band Body | Polymeric Thermal Bonded Coated Ductile Iron |
| 2 | Lower Tapping Band Body | Polymeric Thermal Bonded Coated Ductile Iron |
| 3 | Tapping Boss | Lead free (DR) Brass, 316 Bolting & EPDM Seal |
| 4 | O-ring Seal | Rubber (EPDM) |
| 5 | O-ring – Bolt retainer | Rubber (EPDM) |
| 6 | Bolt | 316 Stainless Steel |
| 7 | Nut | 316 Stainless Steel with Anti-Seize Coating |
| 8 | Washer | 316 Stainless Steel |

DIMENSIONS

All dimensions are quoted in millimetres.

SERIES 2 – DICL, CICL, OPVC, MPVC, UPVC, ASBESTOS CEMENT (AC) PIPES

| DN | PRODUCT CODE | | NOMINAL TAPPING BAND ID / PIPE OD |
|-----|--------------|-------------|-----------------------------------|
| | 20BSP | 25BSP | |
| 100 | TCDAC100020 | TCDAC100025 | 122 |
| 150 | TCDAC150020 | TCDAC150025 | 177 |
| 200 | TCDAC200020 | TCDAC200025 | 232 |
| 225 | TCDAC225020 | TCDAC225025 | 259 |
| 250 | TCDAC250020 | TCDAC250025 | 286 |
| 300 | TCDAC300020 | TCDAC300025 | 345 |

POLYETHYLENE

| DN | PRODUCT CODE | | NOMINAL TAPPING BAND ID / PIPE OD |
|-----|--------------|-------------|-----------------------------------|
| | 20BSP | 25BSP | |
| 100 | TCDPE125020 | TCDPE125025 | 125 |
| 150 | TCDPE180020 | TCDPE180025 | 180 |
| 280 | TCDPE280020 | TCDPE280025 | 280 |

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END CONNECTIONS

Clover ductile iron tapping bands are available with tapped outlet connections with either ¾" or 1" BSP tapped parallel thread to AS ISO 7.1 "Pipe threads where pressure-tight joints are made on the threads Dimensions, tolerances and designation".

PRESSURE

| Nominal Pressure (PN) | Allowable Operating Pressure (AOP) | Maximum Allowable Operating Pressure (MAOP) | Allowable Site Test Pressure (ASTP) |
|-----------------------|------------------------------------|---|-------------------------------------|
| 16 | 1,600 kPa | 1,920 kPa | 2,000 |

OPTIONS & ACCESSORIES

Extensive local inventory of a wide range of associated ferrules, ball valves and accessories is available. Contact Clover for further information.

MECHANICAL PROPERTIES

| DUCTILE IRON | | COATING | |
|---------------------------------|--------------|------------------|--------------|
| PROPERTY | VALUE & UNIT | PROPERTY | VALUE & UNIT |
| Ultimate tensile strength (Min) | 500MPa | External Surface | 350 Microns |
| Elongation (Min) | 10% | Internal Surface | 350 Microns |
| Density (Specific Gravity) | 7.1 | | |

LIFE EXPECTANCY

100 years

The products shown form part of Clover's continuous improvement program and as such the product designs, specifications and materials may change without notice.

All warranties relating to accuracy, completeness, or suitability for any particular purpose and all liability for any loss, damage or costs incurred relating to the use of this information are excluded.

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