

*Crafted for efficiency,
designed for longevity.*



Standard Large Couplings (RLC)

Our RLC couplings are engineered to meet any sealing challenge, no matter the size. Custom-designed with bespoke extrusion profiles, they adapt to any pipe diameter, ensuring a reliable and effective seal.



Product Overview: YTM Makina Standard Large Couplings

- **Custom Manufactured:** Tailored to any pipe diameter with a unique heavy-duty bolting system.
- **High-Quality Material:** Made from top-grade elastomeric rubber for durability.
- **Shear and Deflection Resistance:** Equipped with a stainless steel shear band to withstand heavy loads.
- **Easy Installation:** Quick to install with excellent sealing properties when tightened to the correct torque.
- **Versatile Design:** Compatible with all pipe materials, ideal for repairs or joining pipe sections.



| | |
|------------------------------------|---|
| Product Reference | RLC |
| Size Range | 601mm and above |
| Material | EPDM Rubber |
| Steel | 1.4301 (304) Stainless Steel /1.4401 (316) |
| Tightening Torque | 20Nm (601- 1200mm) /25Nm (1201mm and above) |
| Pressure Rating | 1.5 bar /21.76 psi |
| Jetting Resistance | 120 bar |
| Constant Working Temperature Range | -10° to 60° |
| Standards | EN681-1, EN295-4, DIBt, MPA, VA, |



Applications:

- **Joining Plain Ended Pipes:** Ideal for connecting pipes without fittings.
- **Pipe Repair:** Suitable for fixing damaged sections of pipe.
- **Post or Lateral Connections:** Effective where additional connections are needed after initial installation.
- **Varying Diameters:** Adapts to differences in pipe diameters, facilitating seamless connections.
- **Short and Cut Lengths:** Joins shorter segments or precisely cut lengths of pipe.
- **Rocker Pipes:** Useful for integrating rocker pipes into external structures or manholes.
- **Soil, Waste, and Vent Systems:** Perfect as a connector in soil, waste, and vent applications.

Benefits:

- **High-Quality Manufacturing:** Crafted from high-grade materials for superior performance and extended durability.
- **Heavy Duty Bolt System:** Ensures robust, secure connections under various conditions.
- **Ease of Installation:** Designed for straightforward and quick installation processes.
- **Shear Band Protection:** Includes a shear band that resists deflection and shear forces from heavy loads or vacuums.
- **Pressure Resistance:** Capable of handling constant internal pressures up to 1.5 bar. For intermittent pressures above 1.5 bar, please consult our technical department.
- **Rapid Delivery:** Offers next-day, direct-to-site delivery service to ensure timely project progression.

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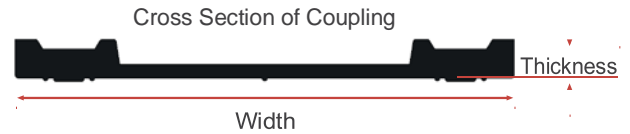
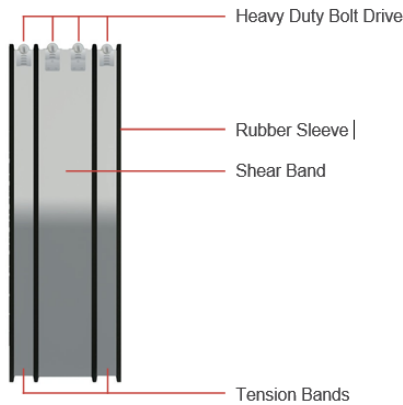


Product Range

| Reference | Range (Pipe O/D) | | Width (mm) | Thickness |
|-----------|------------------|---------|------------|-----------|
| | From (mm) | To (mm) | | |
| RLC600 | 601 | 699 | 190 | 12.1 |
| RLC700 | 701 | 799 | 190 | 12.1 |
| RLC800 | 801 | 899 | 190 | 12.1 |
| RLC900 | 901 | 999 | 190 | 12.1 |
| RLC1000 | 1001 | 1099 | 190 | 12.1 |
| RLC1100 | 1101 | 1199 | 190 | 12.1 |
| RLC1200 | 1201 | 1299 | 190 | 12.1 |
| RLC1300 | 1301 | 1399 | 190 | 12.1 |
| RLC1400 | 1401 | 1499 | 190 | 12.1 |
| RLC1500 | 1501 | 1599 | 190 | 12.1 |
| RLC1600 | 1601 | 1699 | 190 | 12.1 |
| RLC1700 | 1701 | 1799 | 190 | 12.1 |
| RLC1800 | 1801 | 1899 | 190 | 12.1 |
| RLC1900 | 1901 | 1999 | 190 | 12.1 |
| RLC2000 | 2001 | 2099 | 190 | 12.1 |

Note for Custom Seals:

- **Size Range for Pricing:** The indicated size range is solely for pricing purposes and does not represent the outer diameter range that each seal will fit.
- **Bespoke Manufacturing:** Each seal is custom-made to order. The outer diameter (OD) of the pipe must be specified at the time of order to ensure accurate manufacturing of each seal.



Material Options and Specifications for YTM Makina:

- **Flexible Couplings:** YTM Makina Flexible Couplings are available in various materials designed to withstand applications exposed to higher temperatures or chemicals.
- **Heavy Duty Tension and Shear Bands:** For environments subject to high corrosion, contaminated grounds, or marine conditions, specifying grade 1.4401 (316) stainless steel is advised. This material choice negates the need for protective tape due to its excellent corrosion resistance.