

*Crafted for efficiency,
designed for longevity.*



Drain Couplings (RDC)

Constructed for optimal efficiency in the piping sector, our products manage heavy earth loads and unstable terrains, ensuring durable performance and seamless integration in diverse conditions.



Material Excellence: Crafted from superior elastomeric rubber for long-lasting performance.

Versatile Applications: Suitable for connecting and repairing low and non-pressure drainage systems with an outside diameter of up to 275mm, without the need for earth load resistance.

Ease of Installation:

- **Quick Setup:** Designed for rapid and straightforward installation.
- **Superior Sealing:** Provides exceptional sealing when adjusted to the correct torque, ensuring a reliable connection.
- **Diameter Flexibility:** Capable of accommodating minor discrepancies in pipe diameter for a versatile fit.

Broad Compatibility:

- **Universal Use:** Compatible with all pipe materials, ideal for various repair and joining tasks.
- **Practical Solution:** An optimal choice for both mending existing pipelines and connecting new pipe sections.



Product Reference	RDC
Size Range	32-275vmm
Material	EPDM Rubber
Steel	1.4301 (304) Stainless Steel /1.4401 (316)
Tightening Torque	6Nm
Pressure Rating	0.6 bar /8.70 psi
Jetting Resistance	120 bar
Constant Working Temperature Range	-10° to 60°
Standards	EN681-1, EN295-4, MPA, VA, WSSA AS/NZS 4237



Applications:

- **Joining Plain Ended Pipes:** Ideal for coupling straight sections of piping without fittings.
- **Repairing Damaged Pipe Sections:** Quickly and efficiently mend breaks or cracks in existing pipelines.
- **Accommodating Different Pipe Diameters:** Perfect for connecting pipes when the diameters vary, ensuring a secure and leak-proof seal.
- **Connecting Short and Cut Lengths of Pipe:** Simplifies the process of joining shorter pipe segments, making installation flexible and adaptable.
- **Adapting Different Pipe Materials:** Acts as an adaptor to seamlessly connect pipes made from various materials.
- **Soil, Waste, and Vent Connections:** Reliable for use in soil, waste, and vent piping applications, enhancing system integrity and function.

Benefits:

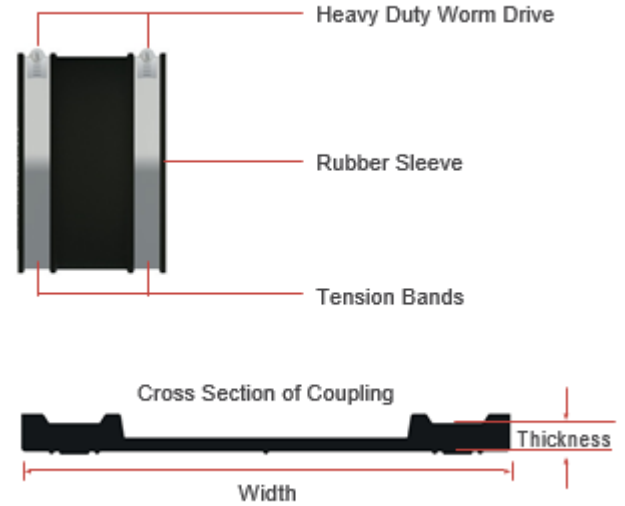
- **High-Quality Manufacturing:** Constructed from high-grade materials to ensure superior performance and an extended service life.
- **Robust Design:** Equipped with heavy-duty worm drives for enhanced durability and reliability.
- **Cost-Effective Solution:** Provides an affordable option for joining pipes or repairing damaged sections without compromising quality.
- **Installation Simplicity:** Designed for ease of installation, allowing for quick and efficient setups.
- **Pressure Tolerance:** Capable of withstanding internal pressures up to 0.6 bar as a constant working pressure. For intermittent pressures above 0.6 bar, consult our technical department for guidance and solutions.

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Product Range

Reference	Range (Pipe O/D)		Width (mm)	Thickness
	From (mm)	To (mm)		
RDC115	100	115	100	9
RDC125	110	125	120	7.3
RDC135	120	135	120	9
RDC150	125	150	120	9
RDC165	140	165	120	9
RDC175	150	175	120	8.5
RDC185	170	185	120	8.5
RDC195	180	195	120	9
RDC200	175	200	152	9.5
RDC215	190	215	150	7.8
RDC225	200	225	152	9.5
RDC250	225	250	152	9.5
RDC265	250	265	110	9
RDC275	250	275	152	9.5



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.

YTM Makina Rubber Sleeves:

Product Options:

- **High-Temperature Plus:** Made from peroxide-cured EPDM, suitable for high temperatures up to 125°C and offering consistent chemical resistance.
- **Oil-Resistant Standard:** Formed from sulphur-cured Nitrile, effective under conditions involving oils and fats up to 60°C.
- **Oil-Resistant Plus:** Peroxide-cured Nitrile variant for superior performance in temperatures up to 100°C.
- **Chemical-Resistant Extreme:** Constructed from FKM, ideal for the most demanding environments up to 200°C.
- **Ultra Chemical-Resistant:** Features FFKM, designed to withstand aggressive chemicals and temperatures exceeding 200°C.

Client Note: Information is current as of the release date. YTM Makina may update specifications to align with technological advancements.