

*Crafted for efficiency,
designed for longevity.*



Standard Couplings (RSC)

Primarily utilized in sewers, drains, and other low and non-pressurized environments, YTM Makina standard couplings facilitate the connection of pipes across a wide range of materials and diameters.



Constructed from high-quality elastomeric rubber, **YTM Makina Standard Couplings** offer enhanced functionality and versatility:

- **Shear and Deflection Resistance:** Provides robust resistance under heavy earth loads and in negative pressure or vacuum conditions, thanks to its stainless steel shear band.
- **Easy Installation and Sealing:** Designed for quick installation and optimal sealing when tightened to the correct torque. Accommodates minor diameter discrepancies.
- **Versatile Use:** Suitable for any pipe material, ideal for repairing pipes or joining pipe sections.
- **Adaptable for Different Diameters:** Can join pipes with significantly varying diameters using an additional bush.



Product Reference	RSC
Size Range	65 - 620mm
Material	EPDM Rubber
Steel	1.4301 (304) Stainless Steel /1.4401 (316)
Tightening Torque	6Nm (50 - 290mm)/10 Nm (310-385mm)/13Nm (410 -620mm)
Pressure Rating	2.5 bar /36.25 psi
Jetting Resistance	120 bar
Constant Working Temperature Range	-10° to 60°
Standards	EN681-1, EN295-4, WIS4-41-01, DIBt, MPA, VA, WSSAAS/NZS4237

Applications:

- **Joining Plain Ended Pipes:** Utilized as a coupling mechanism to connect pipes with plain ends.
- **Pipe Repair:** Effective in repairing damaged sections of pipe.
- **Post or Lateral Connections:** Suitable for instances where post-installation or lateral connections are necessary.
- **Varying Pipe Diameters:** Applicable in scenarios where the pipe diameters differ.
- **Joining Short or Cut Pipe Lengths:** Ideal for connecting short lengths or cut segments of pipe.
- **Introducing Rocker Pipes:** Facilitates the introduction of rocker pipes to external structures or manholes.
- **Soil, Waste, and Vent Applications:** Employed as a connection solution for soil, waste, and vent systems.

Benefits:

- **High-Quality Manufacturing:** Crafted from high-grade materials to ensure high performance and extended service life.
- **Heavy Duty Worm Drives:** Equipped with robust worm drives for enhanced durability and reliability.
- **Standards Compliance:** Meets UK and international standards, including WIS 4-41-01, applicable to all public sewers and sewers for adoption.
- **Shear Band Functionality:** Incorporates a shear band that provides resistance against deflection and shear forces, typical in conditions of heavy loads or vacuums.
- **Pressure Tolerance:** Capable of withstanding internal pressures up to 2.5 bar as a constant working pressure. For intermittent working pressures above 2.5 bar, please consult our technical department.

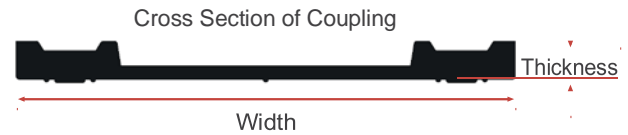
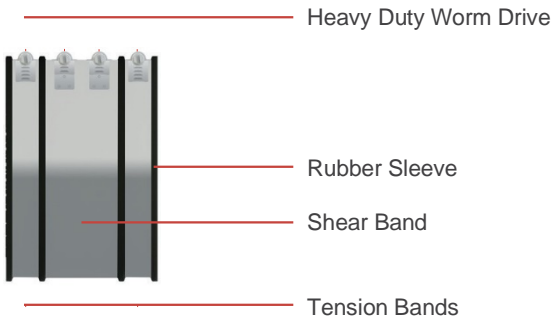
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Product Range

Reference	Range (Pipe O/D)		Width (mm)	Thickness
	From (mm)	To (mm)		
RSC65	50	65	90	9
RSC75	65	75	108	9
RSC95	80	95	100	9
RSC100	85	100	80	7.3
RSC115	100	115	120	9
RSC120	110	121	120	8.5
RSC125	110	125	120	7.3
RSC137	120	137	125	9
RSC150	125	150	120	9
RSC165	140	165	120	9
RSC175	150	175	120	8.5
RSC180	160	180	120	8.5
RSC200	175	200	152	9.5
RSC215	190	215	150	7.8
RSC225	200	225	152	9.5
RSC250	225	250	152	9.5
RSC265	240	265	110	9
RSC275	250	275	152	9.5
RSC290	265	290	152	9.5
RSC310	285	310	190	9
RSC320	295	320	190	9.3
RSC335	305	335	190	9

Reference	Range (Pipe O/D)		Width (mm)	Thickness
	From (mm)	To (mm)		
RSC345	315	345	190	12.1
RSC360	340	360	190	12.1
RSC365	345	365	190	12.1
RSC385	355	385	190	12.1
RSC410	385	410	190	12.1
RSC425	400	425	190	12.1
RSC430	405	430	190	12.1
RSC445	420	445	190	12.1
RSC450	425	450	190	12.1
RSC465	435	465	190	12.1
RSC470	440	470	190	12.1
RSC490	465	490	190	12.1
RSC510	480	510	190	12.1
RSC525	495	525	190	12.1
RSC540	510	540	190	12.1
RSC550	520	550	190	12.1
RSC560	530	560	190	12.1
RSC570	540	570	190	12.1
RSC580	555	580	190	12.1
RSC600	570	600	190	12.1
RSC620	590	620	190	12.1



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.