



PIPE RESTRAINT COUPLINGS



Rapid/Cascade 'Pipe Restraint Couplings' are a quick and easy way of restraining pipes and fittings used in the water systems, eliminating the need of 'blocking'. They are also designed to fit over the 'Variable Gibault' style of fittings that are now commonly used. This will stop the Gibault 'walking down' the pipe.

The Restraint Couplings incorporate a split design with serrated teeth machined into the fittings that engage the pipe wall. With just under 360 degrees of contact area, this provides high performance and superior pipe support. The serrations are machined to stop the pipe moving in both directions. This eliminates any chance of creating a 'sawing' effect on the pipe wall when the pipes are moving due to change in internal pressure, ground movement etc. The fittings have recessed areas for the side bolts, so only the nuts need tightening. With the tapered inside area on the castings, this combination makes the Restraint Couplings easy to install onto the pipe. The Restraints Couplings have been designed so full pipe deflection can still be achieved, and they can be installed during or after installation of the pipes, and or, fittings.

They come in a range of DN sizes to suit the different OD pipe sizes. DICL, PVC series one & two, PE. etc.

MATERIAL SPECIFICATION & STANDARDS

Rapid/Cascade Pipe Restraint Couplings, are designed and manufactured under Quality Management System, certificate to ISO9001:1994.

Serrated Rings

Ductile iron, 65-45-12.

Coating- Serrated Rings

Tar Dipped.

Bolts, Nuts and Washers

High Tensile 8.8MPa.

Coating- Bolts, Nuts and Washers

Hot Dipped Galvanized.

Working Pressure: 1.6MPa. Test Pressure: 2.4MPa

DN	Code	Suit Pipe OD (mm)	Tie Bolts Size x Length x Qty.	Mass (kg)
100	RRB114CTG	114	M20 x 420 x 2	9
	RRB122CTG	122	M20 x 420 x 2	8
	RRB125CTG	125	M20 x 420 x 2	8
150	RRB160CTG	160	M20 x 420 x 2	12
	RRB177CTG	177	M20 x 420 x 2	11
	RRB180CTG	180	M20 x 420 x 2	11
200	RRB225CTG	225	M20 x 420 x 2	19
	RRB232CTG	232	M20 x 420 x 2	17
225	RRB250CTG	250	M20 x 500 x 4	23
	RRB259CTG	259	M20 x 500 x 4	22
250	RRB280CTG	280	M20 x 500 x 4	25
	RRB286CTG	286	M20 x 500 x 4	24
300	RRB315CTG	315	M20 x 500 x 4	35
	RRB345CTG	345	M20 x 500 x 4	28

RRB = Rapid Restraint Couplings. C = Complete, T = Tar, G = Galvanized Bolts