

VPG RAPID RESPONSE™

PIPE REPAIR SYSTEM

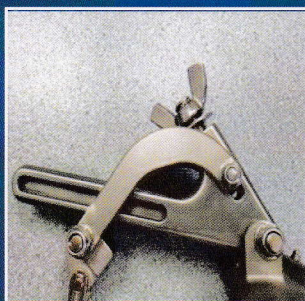
Simply put, the VPG RAPID RESPONSE™ Pipe Repair System is the fastest and easiest way to temporarily repair pipe leaks and bursts. Featuring the industry's fastest installation time of less than 60 seconds, VPG RAPID RESPONSE™ is the smarter choice for rapid pipe repair.

**5x FASTER.
AND EASIER.**

Extensive testing by the Royal Australian, US and Canadian Navies found VPG RAPID RESPONSE CLAMPS five times faster to install than other leading brands.†

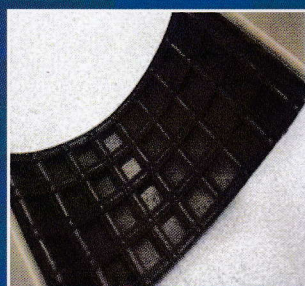


VPG EMERGENCY PIPE REPAIR SYSTEM

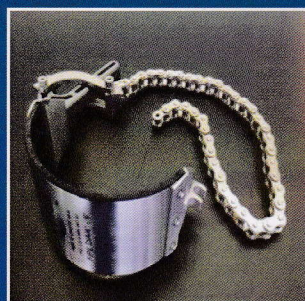


The VPG RAPID RESPONSE™ Pipe Repair System is the fastest and easiest way to temporarily repair pipe leaks and bursts. Taking less than 60 seconds to install and featuring a fully self-contained design, which does not require the use of tools, VPG RAPID RESPONSE™ is the smarter choice for rapid pipe repair.

Made from marine-grade stainless steel and featuring an innovative, patented design, the system features a Nitrile or Therban lip-seal, making it suitable for water, gas and most petroleum liquids.



Designed under contract by the Australian Government Defence Science and Technology Organisation (DSTG) for use by the Royal Australian Navy, the VPG RAPID RESPONSE™ Pipe Repair System is also suited to a wide range of commercial uses, including: marine, oil and gas, mining, emergency services and plumbing applications.



- Fast and easy to install
- No tools required
- Fits pipe sizes ranging from DN 38 - DN 930 (larger sizes available on request)
- Can be applied to pressurised pipes (a version suitable for composite/brittle pipe work is also available)
- Robust and durable, featuring Nitrile lip- or Therban seal
- Metal components typically 304/316 SS for high corrosion protection

5x FASTER

Extensive field testing⁺ found the VPG RAPID RESPONSE™ Pipe Repair System five times faster to install than other leading brands.*

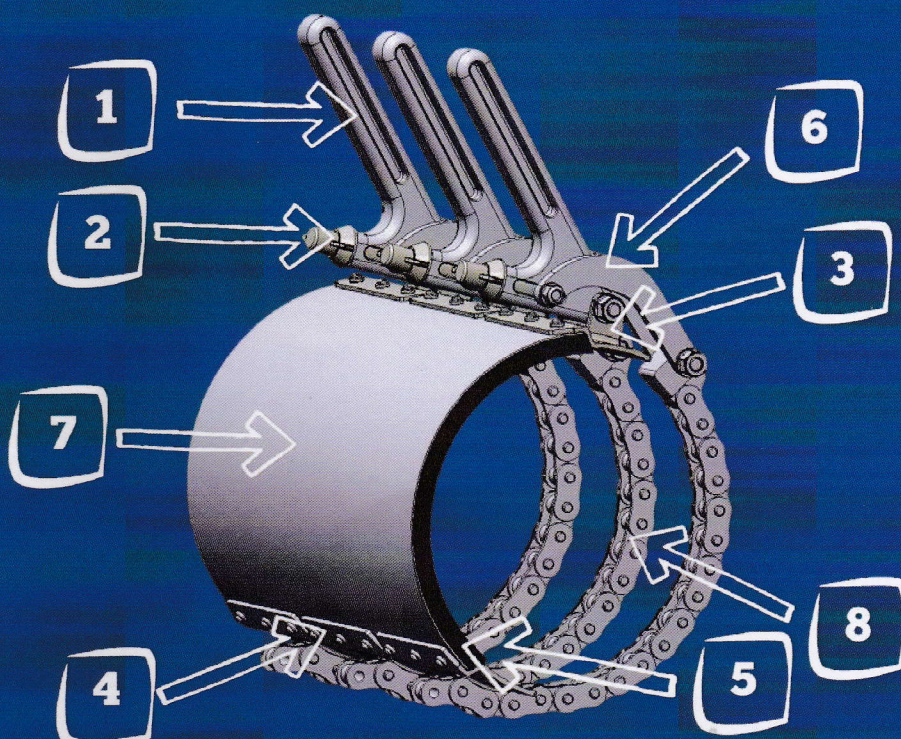
⁺ Australian Defence Science and Technology Organisation (DSTO) (Victoria), 2011; Royal Australian Navy Damage Control Testing Facility, HMAS Cerberus (Victoria), 2011; Royal Australian Navy Combat Survivability Group (NSW), 2011.

* Standard Jubilee Pipe Patch; Band-it Banding Clamp.

	VPG	OTHER*
Average Repair Time	<1 min	6 min
Tools Required	✗	✓
Persons Required	1	2
Easy to Install	✓	✗
One Size Covers Wide Diam Range	✓	✗

VPG RAPID RESPONSE CLAMP CONSTRUCTION

- | | |
|---|--|
| 1 | Locking Handle
316 Stainless Steel |
| 2 | Adjustment Nut Assembly
316 Stainless Steel |
| 3 | Pivot Casting
316 Stainless Steel |
| 4 | Chain Hook Casting
316 Stainless Steel |
| 5 | Sealing Gasket
Nitrile or Therban Rubber |
| 6 | Linkage Arm Assembly
316 Stainless Steel |
| 7 | Skin
316 Stainless Steel |
| 8 | Tension Chain
Nickel Plated H/T Chain |



SELECTING THE CORRECT CLAMP WIDTH

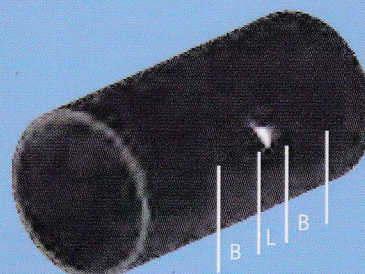
When repairing a damaged pipe, it is important to ensure sufficient rubber gasket contact between the edge of the damaged area (refer to "L") and the edge of the clamp. The table below provides a guide to clamp selection, where "B" is the minimum recommended sealing width between the damaged area (L = width) and the end of the clamp.

Nom. Diameter (DN)	Min. Seal Length B (mm)
38 - 930	15 mm

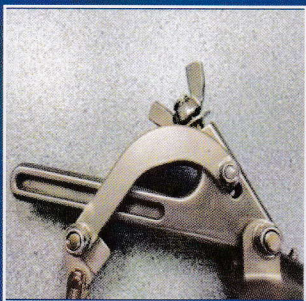
Clamps can be ordered individually or supplied in various quantity/kit configurations.

MINIMUM RECOMMENDED CLAMP LENGTH = L + 2B

EXAMPLE: if the damaged area measures 20 mm, then a 60 mm Single Clamp should be used.
(L = 20; 20 + [2 x 15] = 50 mm)

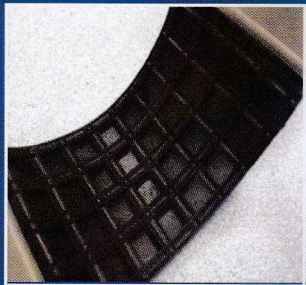


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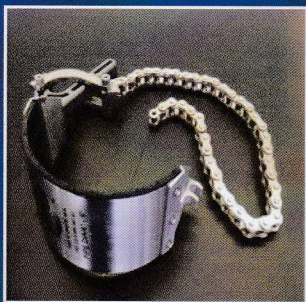


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