



PowerGrip® Band Clamps

A common cause of hose leakage is the continuous expansion and contraction of hose and fittings due to temperature changes.

Gates PowerGrip® is a polymeric clamp, uniquely designed to prevent leakage after fitting.

As the temperature of the application changes, the clamp expands and contracts with the hose, making it completely resistant to leaks.



Supported by **Porterbrook** and **Angel Trains**

Key Features:

- Never needs re-tightening
- Conforms to any shape
- Unaffected by oil
- Attractive finish
- No sharp edges
- Environmentally friendly
- Wide band gives better seal
- One style for all applications
- Consistent grip pressure
- Malleable to temperatures

guaranteed
warranty
between major
overhauls!



CALL 01509 230 100 TO FIND OUT MORE!

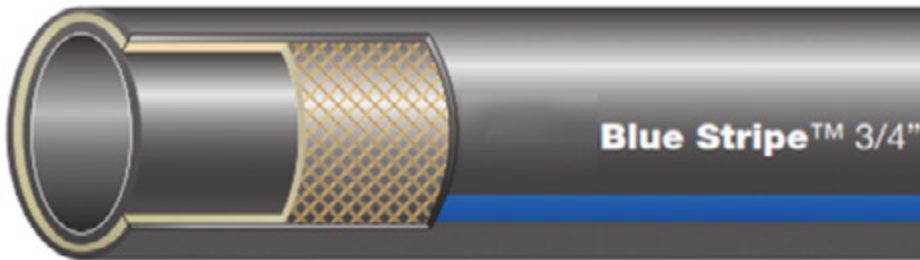
WWW.FLOTECINDUSTRIAL.CO.UK/RAIL





EN 45545-2 FIRE SAFE RAIL HOSE

BLUE STRIPE™



RECOMMENDED FOR

For external use (R23). High-temperature coolant, water and air applications. Suitable for OAT (organic additive technology) engine fluids.

TUBE

EPDM.

REINFORCEMENT

-4 to -12 and -16: 4230SB - aramid spiral; -14 and -18 to -36: 4175SC - nylon cord.

COVER

EPDM Based.

TEMPERATURE RANGE

-40°C to +150°C.

STANDARDS

4230SB - normal duty heater hose to SAE 20R3 EC Class D-1.
4175SC - heavy duty radiator hose to SAE 20R1 EC Class D-1, standard wall.
EN45545-2:2013+A1:2015 R23 HL2 BS6853:1999 Amd1 Categories II & Ib GM/RT2130.

CHARACTERISTICS/BENEFITS

- Premium engine hose
- Compounded to resist electro-chemical degradation, the leading cause of hose failure
- Wrapped cover on size 7/8" and as of size 1.1/8"



Do not use for fuel or oil transfer applications.

NOTE:

Also available as customer-made curved hose to SAE 20R4 EC D-1 to fit specific applications and meeting customer specifications. Curved hose recommended for upper, lower, by-pass, heater and other coolant applications. Can be installed without buckling, bending out of shape or straining at the connections.

Can be used with PowerGrip® Shrink Band Clamps, made from a heat-sensitive thermoplastic with a memory to prevent over- or under-tightening. Retains dynamic tension and never needs retightening. Eliminates the risk for antifreeze leaks and ground water contamination. Can be installed with an ordinary heat gun.



POWERSHRINK CONTROL BOX

Flotec's PowerShrink Control Box is a 5kg, 24-volt battery powered portable device, designed to give consistent fitment of the PowerGrip Clamp system.

This revolutionary Unit replaces the need for a conventional heat gun, making it perfect for installation engineers looking for a safe installation process that shrinks the Clamps down consistently, every time, removing human error.

The impact resistant Device comes in a polypropylene copolymer carry case. Accompanied by this is 5 silicon Heat Bands that cover the PowerGrip range.



Ease of use:

The Heat Bands are attached to quick release colour coded cords (2m) that fit into the Unit.

The Device is easily controlled by 3 buttons and there are 3 time modes. The PowerShrink Control Box comes with a data sheet so that users know which Time Mode and Heat Matt to select for each PowerGrip Clamp.

There are two phases of the heating process. The box will first "Pre-Heat" the Clamps and then commence the "Fix-Heat" once the PowerGrip position has been checked and confirmed.



This unique product has been developed over many years. We have done rigorous testing, dealing with all possible combinations of Clamp sizes, temperatures and hose diameters, ensuring that every possible PowerGrip Clamp application can be shrunk down with this system.



What are PowerGrip Clamps?

Designed for coolant assemblies, our PowerGrip Clamps expand and contract with the pipework, completely eliminating hose leaks by maintaining a tight grip under all extreme conditions.

Other Benefits:

- 250 Hours of Use before Servicing.
- Easy to use.
- Long battery life, meaning it can be used remotely.
- Eliminates human error as a precise heat is applied for the correct time, unlike a conventional heat gun.
- Applies heat directly to the clamp only.
- Enables clamp shrinking on limited access applications.
- Shrinks the whole diameter of a Powergrip Clamp.
- Both clamps of one hose application can be heated down at the same time, even if they have different heat times.
- Whilst the device is shrinking down the clamps, you can prepare the next application.
- Comes with a 240 volt charger.



SPARE PARTS:

Part Number	Size	Length	Plug Colour
PShrinkmat-5	Size 5	270mm	Red
PShrinkmat-4	size 4	190mm	Yellow
PShrinkmat-3	size 3	150mm	White
PShrinkmat-2	size 2	100mm	Green
PShrinkmat-1	size 1	85mm	Blue
PShrinkmat -0	size 0	60mm	Black

Elastics pack of 12 x 2 of each size	Pshrink-Elastic	Description	Part Number
52mm Grey Elastic		Velcro Strap x 10	Pshrink-velcro Strap
60mm Blue Elastic			
70mm Black Elastic			
90mm Orange Elastic			
95mm Red Elastic			
110mm Pink Elastic			



Description	Part Number
Case replacement	Pshrink-Case
Front panel and control board replacement	Pshrink-Panel/Board
Battery replacement and Test	Pshrink-Battery

Services	Part Number
Full System test	Pshrink-Test
Service	Pshrink-Service

