



QUICK ACTION - AIR VALVE
AIRSTOPPER - WHIPSTOPPER
SLEEVTURN - SLEEVLOCK
FIRE HOSE REEL

Standard Quick Action Couplings

Macdonald STANDARD QUICK ACTION Couplings are bayonet style which are used in pairs. A pair comprises a Female and Male coupling which are connected together by a push and quarter turn. Once connected, the spring loaded sleeve of the male coupling prevents accidental disconnection. Direction of fluid flow is from female to male on all Macdonald Quick Action Couplings.



Female Couplings



Male Couplings

Range	Material Spec.	Interchangeability	Working Pressures
<p>Standard Range: 1/4"(6mm) to 1"(25mm)hose tail(HF/HM) inside thread(IF/IM) outside thread (OF/OM) are also available</p> <p>3/4"(19mm) Bore Range: 1"(25mm)hose tail,inside/outside thread</p> <p>1"(25mm) Bore Range: 1.1/4"(32mm)or 1.1/2"(38mm)hose tail,inside/outside thread</p> <p>1.1/2"(38mm) Bore Range: 2"(51mm)hose tail inside/outside thread. BSP9taper/parallel)or NTP threads available</p>	<p>Bodies: Mild Steel,220m07,Zinc Plated</p> <p>Sleeve Return Springs: Stainless Steel, 302 S26/2B.S2056</p> <p>Seals: 30degC to +120degC Nitrile Rubber as standard. 20degC to +200degC Viton To order</p>	<p>Any sizes of styles HF,IF or OF will connect with any size HM,IM or OM within each range</p>	<p>Maximum safe working pressure for hose end depends on hose specification and type of hose clamps used</p> <p>Up to 50 bar (725psi) is common</p>

Air Valve Couplings

This is a one way shut-off coupling incorporating a valve which automatically shuts off fluid supply, upon disconnection of the male from the female coupling. A valve inside the female coupling opens when the couplings are connected and closes when they are disconnected. Available in 'reverse flow' direction if required.



Female Couplings

Male Couplings

Range	Material Spec.	Interchangeability	Working Pressures
<p>Sizes: 1/2"(13mm), 3/4"(19mm) or 1"(25mm) BSP or NTP threads available</p>	<p>Bodies: Mild Steel, 220m07, Zinc Plated</p> <p>Sleeve Return Springs: Stainless Steel, 302 S26/2B.S2056</p> <p>Valves: Brass as standard, Stainless Steel to special order</p>	<p>Will connect with any Male coupling from the Standard range or Quick Action couplings</p>	<p>Maximum safe working pressure for hose end depends on hose specification and type of hose clamps used</p> <p>Up to 50 bar (725psi) is common</p> <p>Note: A male coupling cannot be connected to an Air Valve coupling against a pressure of more than 6 bar (87psi)</p>

Airstopper Couplings

If a hose bursts or a coupling downstream of the Airstopper becomes disconnected accidentally, flow through the Airstopper is automatically and immediately stopped, thereby avoiding hose whipping or snaking. After closing automatically the Airstopper allows a small bleed of fluid to flow through its disc valve to warn users that the system is still live. The Airstopper may be likened to a Fuse in an electrical circuit. Available in 'reverse flow' version if required.



Female Couplings



Male Couplings

Range	Material Spec.	Interchangeability	Working Pressures
<p>Sizes: 1/2"(13mm), 3/4"(19mm) or 1"(25mm) BSP or NTP threads available</p>	<p>Bodies: Mild Steel, 220m07, Zinc Plated</p> <p>Sleeve Return Springs: Stainless Steel, 302 S26/2B.S2056</p> <p>Valves: 316 Stainless Steel</p>	<p>Will connect with any Male coupling from the Standard range or Quick Action couplings</p>	<p>Designed to shut off automatically at pressures up to 10 bar(145psi)</p> <p>Note: A male coupling cannot be connected to an</p>

Whipstopper Couplings

The Whipstopper coupling incorporates a disc valve which closes automatically if a hose bursts or a coupling disconnects accidentally downstream of a Whipstopper. After closing automatically the Whipstopper allows a small bleed of fluid to flow through its disc valve to warn users that the system is still live.



Female Couplings



Male Couplings

Range	Material Spec.	Interchangeability	Working Pressures
<p>Sizes: 13/8" (9.5mm), 1/2" (13mm) hose tail or threaded 3/4" or 1" -threaded only</p>	<p>Bodies: Mild Steel, 220m07, Zinc Plated</p> <p>Sleeve Return Springs: Stainless Steel, 302 S26/2B.S2056</p> <p>Valves: 316 Stainless Steel</p>	<p>Will connect with any Female coupling from the Standard range or Quick Action couplings or with Air Valve or Airstopper couplings.</p>	<p>Designed to shut off automatically at pressures up to 10 bar (145psi)</p>

Sleeve Turn Couplings

The Sleeve Turn feature enables the Female coupling to rotate through 360 degrees relative to the Male whilst connected, thereby avoiding hose twisting or kinking.



Female Couplings



Male Couplings

Range	Material Spec.	Interchangeability	Working Pressures
<p>Sizes: 1/4"(6mm), 1"(25mm)hose tail (HF) inside thread (IF) outside thread (OF/OM) are available on female coupling only</p> <p>Larger sizes to special order</p>	<p>Bodies: Mild Steel, 220m07, Zinc Plated</p> <p>Sleeve Return Springs: Stainless Steel, 302 S26/2B.S2056</p> <p>Seals: 30degC to +120degC Nitrile Rubber as standard. 20degC to +200degC Viton To order</p>	<p>Will connect with any Male coupling from the Standard range or Quick Action couplings or with any make of Whipstopper coupling.</p>	<p>Maximum safe working pressure for hose end depends on hose specification and type of hose clamps used</p> <p>Up to 50 bar (725psi) is common</p>

Sleevlock Couplings

The *Sleevlock* feature consists of a screwed ring which locks on the male coupling body just behind the sliding sleeve after connection of the two couplings, this reduces the risk of accidental coupling disconnection.



Female Couplings



Male Couplings

Range	Material Spec.	Interchangeability	Working Pressures
<p>Sizes: 1/4"(6mm), 1"(25mm) hose tail (HM) inside thread (IM) outside thread (OM) are available on memale couplings only</p> <p>Larger sizes to special order</p>	<p>Bodies: Mild Steel, 220m07, Zinc Plated</p> <p>Sleeve Return Springs: Stainless Steel, 302 S26/2B.S2056</p>	<p>Will connect with any Female coupling from the Standard range or Quick Action couplings</p>	<p>Maximum safe working pressure for hose end depends on hose specification and type of hose clamps used</p> <p>Up to 50 bar (725psi) is common</p>

Fire Hose Reel Couplings

Macdonald Quick Action Fire Hose Reel Couplings are designed to wrap readily around "First Aid" high pressure hose reels. They are compact and allow maximum water flow rates through standard bore hoses. Like Standard Quick Action couplings they consist of a Female and Male half which are easily connected with a simple push and quarter turn action. This allows the spring loaded locking sleeve on the male coupling to spring forward and create a secure connection. Disconnection is achieved by pulling back the locking sleeve and giving a quarter turn.



Female Couplings



Male Couplings

Range	Material Spec.	Interchangeability	Working Pressures
<p>Sizes: 3/4"(19mm) and 1"(25mm) hose tail, inside or outside threads are available</p>	<p>Bodies: Brass as standard Stainless Steel to special order</p> <p>Sleeve Return Springs: Stainless Steel, 302 S26/2B.S2056</p> <p>Seals: 30degC to +120degC Nitrile Rubber as standard. 20degC to +200degC Viton To order</p>	<p>Any Female hose tail, inside or outside thread coupling will connect to any Male hose tail, inside or outside thread coupling (HM, IM or OM)</p>	<p>Maximum safe working pressure for hose end depends on hose specification and type of hose clamps used</p> <p>Extensive test have been carried out at pressures up to 100 bar(1450psi) and working pressures of 40 bar (580psi) are common</p>