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Mechanical Crimp Connection

For Pipe Assemblies



ENGINEERING YOUR SUCCESS.

Mechanical Crimp Connection

For Piping Systems Saves the Time and Costs of Welding

For today's piping assemblies, Parker's Mechanical Crimp Connection (MCC) eliminates time-consuming and costly welding while ensuring a reliable, leak-free connection.

MCC consists of a one-piece crimp adapter with a specially designed bite ring and internal sealing. When crimped, the bite ring permanently attaches to the pipe and secures the adapter. Internal seals in the MCC adapter ensure a leak-free connection and protect against ingress.

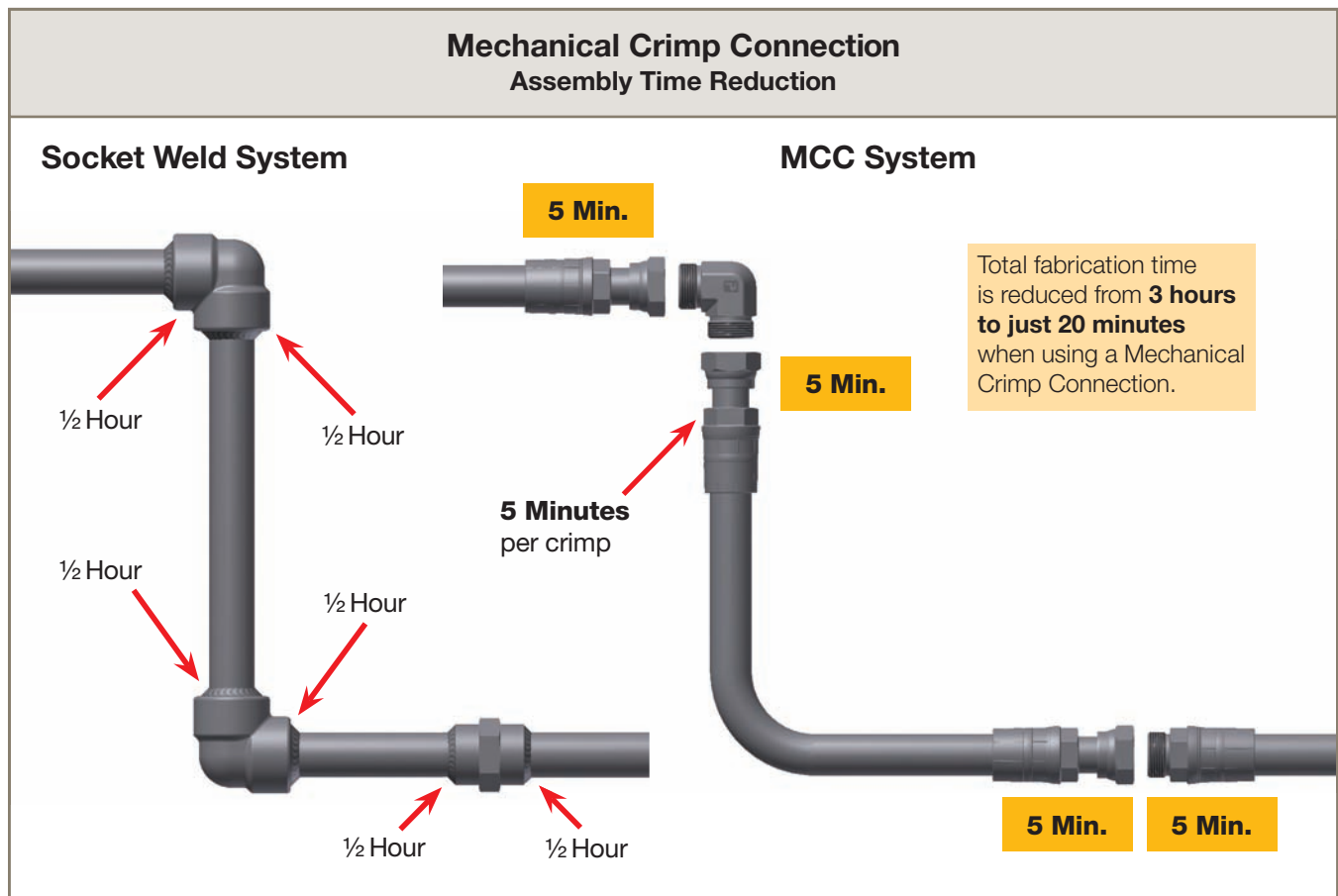
Welding processes, from pre-cleaning to weld inspection to post-cleaning, reduce valuable equipment or project uptime and require more labor and costs. By comparison, MCC enables remarkably quick, easy mechanical crimping of adapters to piping. For example, a 1" heavy-schedule pipe can take more than 30 minutes to prep, weld, cool and inspect if all the steps are followed. An MCC assembly can be crimped within 5 minutes!

MCC also eliminates a key failure mode of welding: weld cracks. Weld cracks can form while the weld is hot, while it is cooling, or even due to fatigue or corrosion.

After installation the inherently clean MCC piping system is free of welding-induced contaminants. Simply stated, Parker's MCC is installed clean and will remain clean.

Key Features and Advantages

- **Eliminates time and costs of welding and pre- and post-weld processes**
- **Quicker, easier assembly promotes increased equipment and project uptime**
- **An inherently safe, clean process**
- **Simple hydraulic assembly tool**





Parker quality MCC assemblies are ideal for a wide range of applications in industrial processing, construction, large mobile equipment, oil and gas operations and more.

- **Specially engineered bite ring for maximum retention**
- **Internal sealing components ensure leak-free performance**
- **Achieves “weld-less” pipe connections from 1" to 2"**
- **Pressure up to 5000 psi/345 bar rating at 4:1 design factor**
- **Steel construction available, stainless steel on request**

Sizes and Configurations

Parker MCC achieves NPS pipe connections in the most common welded sizes, ranging from 1" to 2". Whether your system is transferring fluid at lower pressures or operating at high dynamic hydraulic pressures, MCC offers a working pressure capability to nearly 5000 psi for many applications.

MCC adapters are offered in carbon steel (Chrome 6 Free plated) and 316 stainless steel on request. Multiple end configurations, including retaining ring style code 61/62, male and female O-ring face seal, male and female 37° flare, and male and female NPT, are available to ensure system compliance with SAE and/or ISO standards. MCC also offers full interchangeability with Parker Tube Fittings Division’s extensive product lines, covering SAE and ISO specifications such as SAE J514, SAE J1453, and ISO 6162.

MCC is ideal for a wide range of applications in industrial processing, construction, large mobile equipment, oil and gas operations and more. MCC gets equipment up and running sooner and projects completed faster. To improve your bottom line, rely on the company with decades of global leadership in Dry Technology. Contact your Parker representative about the many advantages of MCC now.

Parker Production Crimpers For Fast and Accurate Crimping

With Parker’s horizontal crimpers, anyone can make quality assemblies quickly, easily and cost effectively. An MCC assembly can be crimped within **5 minutes!**



Parker Fluid Connectors Group

North American Divisions & Distribution Service Centers

Your complete source for quality tube fittings, hose & hose fittings, brass & composite fittings, quick-disconnect couplings, valves and assembly tools, locally available from a worldwide network of authorized distributors.

Fittings:

Available in inch and metric sizes covering SAE, BSP, DIN, GAZ, JIS and ISO thread configurations, manufactured from steel, stainless steel, brass, aluminum, nylon and thermoplastic.

Hose, Tubing and Bundles:

Available in a wide variety of sizes and materials including rubber, wire-reinforced, thermoplastic, hybrid and custom compounds.

Worldwide Availability:

Parker operates Fluid Connectors manufacturing locations and sales offices throughout North America, South America, Europe and Asia-Pacific.

For information, call toll free...

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