

# Mechanical Crimp Connection

for piping or tube systems saves the time and costs of welding



For today's piping or tube assemblies, Parker's Mechanical Crimp Connection (MCC) eliminates time-consuming, costly welding - and ensures reliable, leak-free performance.

MCC consists of a simple hydraulic assembly tool, specially designed bite ring and adapters. The bite ring attaches to the pipe or tube and secures the adapter. Internal seals in the MCC adapter ensure a leak-free connection and protect against ingress.

Assembly welding processes, from pre-cleaning to x-rays to post-cleaning, reduce valuable equipment uptime and require more labor. By comparison, MCC enables remarkably quick, easy

mechanical crimping of adapters to tube or piping. A 1" heavy- scheduled stainless steel pipe, for example, can take more than 30 minutes to weld and clean if all the steps are followed. An MCC assembly can be crimped within five minutes!

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

### Key Features and Advantages

- **Eliminates time and costs of welding and post-weld processes**
- **Quicker, easier assembly promotes increased equipment uptime**
- **An inherently safe, clean process**
- **Simple hydraulic assembly tool**
- **Specially engineered bite ring for maximum retention**
- **Internal sealing components ensure leak-free performance**
- **Achieves "weld-less" NPS and tube connections from 1" to 2"**
- **Reduces requirements for special pipe sizing or beveling**
- **6000 psi/415 bar pressure rating at 4:1 design factor**

- **12L14 steel/ 316L stainless construction**
- **HTC – Heat Code Traceable**

### Sizes and Configurations

Parker MCC achieves NPS and tube assemblies 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 up to 6000 psi for many applications.

MCC adapters are offered in steel (Chrome 6 Free plated) and 316 stainless steel. Multiple end configurations including 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-range interchangeability with Parker Tube Fittings Division's extensive product lines, covering SAE and ISO specifications such as SAE J514, SAE J1453, and ISO 6162.

Ideal for a wide range of applications in industrial processing, construction, large mobile, oil and gas operations, and more, MCC gets equipment up and running sooner - and potentially much longer, thanks to Parker's decades of global leadership in Dry Technology. For all of the advantages that can improve your bottom line, contact your Parker representative about MCC now.

## TH8-450 Production Crimper

for fast and accurate crimping

With Parker's horizontal crimper, anyone can make factory quality assemblies quickly, easily and cost effectively. An MCC assembly can be crimped within five minutes!

