

Quick Action Couplings

S10 Series

*Quick Couples in Hardened Steel,
303 Stainless Steel, and Brass*

- » General purpose, double shut-off quick coupling
- » Capable of containing a wide variety of fluids
- » Primarily used for transferring hydraulic fluid
- » Can also be used with water, steam, chemicals, and some gases
- » Stationary and mobile industrial applications
- » Meets dimensional requirements of ISO 7241-1 Series B, the most widely used Industrial Interchange
- » Durable, guaranteed leak-free seal provided by double shut-off poppet style valving with captive poppet seal
- » Heavy duty detent ball latch design for a reliable connection time and time again
- » Rugged, high quality carbon steel valving and retainers – no powdered metal parts



S51 Series

*Heavy Duty, Double Shut-Off
Quick Couplings*

- » Minimum spill, thread-to-connect, fluid transfer quick couplings designed for use with most industrial fluids
- » Can be connected under full system pressure by rotating the female threaded heavy duty, ductile cast iron wing nut or steel hex nut onto the mating male threaded tip (nipple)
- » Applications include “wet line kits” used widely on dump trailers, mobile drilling rigs, mining equipment, large mobile equipment, salt spreaders, and chemical transfer units
- » Minimal air inclusion during connection and minimum fluid spillage during disconnection
- » Brass body, tip and poppet, combined with a rugged steel valve, provide corrosion resistance and durability
- » Rugged, high quality machined carbon steel valve – no powdered metal parts



S56 Series

*Versatile Hydraulic and Fluid
Transfer Couplings*

- » General purpose, double shut-off quick coupling capable of containing a wide variety of fluids
- » Meets dimensional requirements of ISO 7241-1 Series A
- » Found anywhere a dependable connection and disconnection of a fluid transfer line is required
- » Rugged construction and low pressure drop is ideal for a variety of applications including plant maintenance equipment, skid steer loaders, snow plows, mining, dump trucks, gooseneck trailers, and chemical transfer lines
- » Heavy duty detent ball latch design for reliable connection time and time again
- » Unique poppet/seat design allows no extrusion gap, minimizing seal degradation under extreme pressures and stainless steel valve springs and retainer rings come standard



Quick Action Couplings

S20 Series

Reliable, Economical , General Purpose Couplings

- » General purpose, double shut-off, fluid transfer quick coupling with either a rugged ball valve or leak-free, high flow poppet valve
- » Primarily used on agricultural equipment
- » Recognized as an economical and reliable quick coupling
- » Series is original equipment on snow plows, garden tractors, full size tractors, front-end loaders, skid steer loaders, earth moving, and mining equipment
- » Reliable and durable ball locking mechanism provides smooth operation time after time
- » One way sleeve design allows implement break away when the coupling is clamp mounted

S30 Series

Dependable High Pressure and High Flow Workhorse

- » Special purpose, double shut-off fluid transfer quick coupling providing significantly less pressure drop than couplings of the same type
- » Threaded sleeve locking mechanism mates the coupling halves and allows connection under pressure up to a maximum of 1000 psi
- » Heavy duty poppet valving – while fulling interchangeable with ball check models – eliminates low pressure leakage
- » Designed for extreme high pressure applications, including portable hydraulic rams, wire pullers, and frame straightening equipment
- » Full-flow design provides less than half the pressure loss of other brands, allowing for quicker ram response
- » Machined from solid steel barstock

SH20 Series

General Purpose Hydraulic and Fluid Transfer Couplings

- » General purpose, double shut-off quick coupling capable of containing a wide variety of fluids
- » Found anywhere a dependable connection and disconnection of a fluid transfer line is required
- » Interchange has been widely used on both mobile and industrial applications
- » Can be found on garden tractors, self-propelled combined, skid steer loaders, wire pullers, and hydraulic presses
- » Rated at 6000 psi maximum operation pressure
- » Compact design with smooth, reliable ball latch connection
- » Machined from solid steel barstock and critical parts are hardened for long service life



Quick Action Couplings

FF49 Series

Flush Face, Heavy Duty, Non-Spill Quick Couplings

- » Provide rugged flush face valving for non-spill dry breaks and allow one-hand push to connect with safety sleeve lock standard
- » For use in hydraulic hand tools, overhead bucket hoists, skid steer loaders, and wherever spillage can constitute a safety or environmental hazard
- » Interchangeable with quick couplings meeting ISO 16028 dimensional requirements while exceeding performance requirements
- » Minimum air inclusion during connection and minimum fluid spillage during disconnection
- » Easy cleaning allowed by rugged flush face valving to minimize system contamination
- » Standard sleeve lock feature prevents unintended disconnection – additional detent (locking) balls greatly improve durability and increase pressure containment



S70 Series

One Hand Connection Under Full System Pressure

- » Unique internal valving, combined with two-way sleeve feature, allowing one hand connection under full system pressure
- » Body half can be mated to either a ball valve or poppet valve ISO male tip (nipple)
- » used primarily with agricultural equipment – original on full size tractors and front end loaders
- » Use when connection and disconnection under pressure, without the use of tools
- » After connection, the hydraulic circuit automatically opens when the hydraulic system is operated
- » Critical parts are hardened for long service life
- » May be used with either an open center or closed center hydraulic system that has a control valve



FFEC49 Series

Flush Face, Non-Spill, Connect Under Pressure Quick Couplings

- » Allows one hand connection with trapped residual pressure in the nipple – nipple connects under residual pressure by hand
- » Used in the mobile equipment and construction markets on hydraulic attachments for skid steer loaders and hydraulic tools
- » Ideal use in environments where thermal expansion of trapped fluid from temperature change or exposure to sun makes connection of the mating half difficult
- » Minimum air inclusion during connection and minimum fluid spillage during disconnection
- » Heavy duty steel construction
- » Bi-directional flow
- » Hardened locking surface



Quick Action Couplings

FFE49 Series

Flush Face, Non-Spill Quick Couplings

- » Non-spill, push-to-connect, fluid transfer quick coupling designed for use with most industrial fluids
- » Interchangeable with quick couplings meeting Industry Standard ISO 16028 dimensional requirements
- » Applications include skid steer loaders, power utility, construction, & agricultural equipment, and hydraulic hand tools
- » Use whenever spillage can result in a safety or environmental hazard, when air inclusion during connection to a hydraulic system cannot be tolerated, and when international interchangeability with other brands is required
- » Smooth, one hand, push to connect locking mechanism
- » Rugged flush face valving allows easy cleaning to minimize system contamination
- » Maximum flow for quick system response
- » Heat treated surfaces resist wear



S40 Series

One Hand Operation, General Purpose Couplings

- » General purpose, double shut-off fluid transfer quick coupling with either a rugged ball valve or leak-free, high flow poppet valve
- » Used wherever the ease and convenience of one hand connection or disconnection is desired
- » Original equipment on a variety of agricultural and mobile equipment
- » Reliable and durable ball locking mechanism provides smooth operation time and time again
- » Critical parts are hardened for long service life
- » Two-way sleeve design allows implement break away when the coupling is clam or bulkhead mounted



Dust Caps & Dust Plugs

- » Protective dust caps and dust plugs are available in molded rubber or metal in a variety of sizes
 - » Help reduce contamination of the hydraulic system and improve service life of the body half (coupling) and the mating tip half (nipple)
 - » Molded combination cap/plug is available
 - » Available for the following series: S10, S56, S20, S30, SH20, FF49, and S70
- Steel*



Molded

