



Agricultural  
Components

# ★ Snap-tite ——— Agricultural Couplings

**Featuring...Snap-tite quality and experience in the most economical package with a range that varies from the simplest to the most sophisticated couplings.**

## 61DC8-8 Coupler



This is a dependable and economical 1/2" ISO 7241-1 Series A coupler which has a dual-acting sleeve. The sleeve, which has snap ring grooves that allow it to fit most industry standard brackets, permits one-hand connect or disconnect operation. This coupler is not designed for connection under pressure.

The coupler is made from high strength steel with zinc yellow dichromate plating for maximum corrosion resistance. The coupler is available with the following end fittings:

61DC8-8F	1/2" Female NPSF
61DC8-8RP	1/2" Female BSP
61DC8-8EF	1/2" Female SAE
Metric threads available on request	

When used in a bracket, body movement during connection or disconnection requires the use of a flexible connection. A plastic plug (61PDP-8) is available to prevent contamination from dust and dirt.

This is a reliable, economical and versatile 1/2" ISO 7241-1 Series A coupler with a dual-acting sleeve and connect/disconnect under pressure capability. The sleeve, which has snap ring grooves that allow it to fit all industry standard brackets, permits one-hand connect or disconnect operation.

A stackable bracket (68B-8) is available. This durable bracket holds two couplers and is equipped with a drain line to carry away the small spillage that occurs on disconnection. The bracket is designed to be stacked allowing compact installation of many couplers. When stacked, the drain lines interconnect thus requiring only one drain connection. The brackets can be equipped with automatic dust caps (68BC-8) which prevent damage and contamination from dust and dirt. This coupler allows connection with pressure in either or both the tip (nipple) and coupler. After connecting pressurized components, operation of the vehicle's hydraulic control valve will open the coupling valves allowing fluid to flow. The coupler is available with the following fittings:

68C8-8F	1/2" Female NPSF
68C8-8RP	1/2" Female BSP
68C8-8EF	1/2" Female SAE
Metric threads available on request	

When used in a bracket, body movement during connection or disconnection requires the use of a flexible connection.

## 68C8-8 Coupler



## Stackable Brackets 68B-8

This durable bracket set holds two 68C8-8 couplers. Optional automatic dust caps 68BC-8 for use with the bracket set are shown below.



Dust Plug for 61DC8-8 & 68C8-8	61PDP-8
Dust Cap for 63N8-8	PDC-12

## Interlock Cartridge

This is a sophisticated and rigid-mounted breakaway cartridge with easy one-hand connect/disconnect operation and extensive features and benefits. This coupler connects to all tips conforming to the dimensional requirements of ISO 7241-1 Series A and ISO 5675.

The coupler can be connected with pressure in either or both the tip (nipple) and coupler. After connection, operation of the vehicle's hydraulic control valve will open the coupling valves thus allowing fluid to flow.

This cartridge is designed to be used in a machined manifold cavity customized to meet customer requirements. Manifolds incorporate spillage drain connections and can be equipped with optional automatic rubber dust caps.



## 63N8 Tip (Nipple)



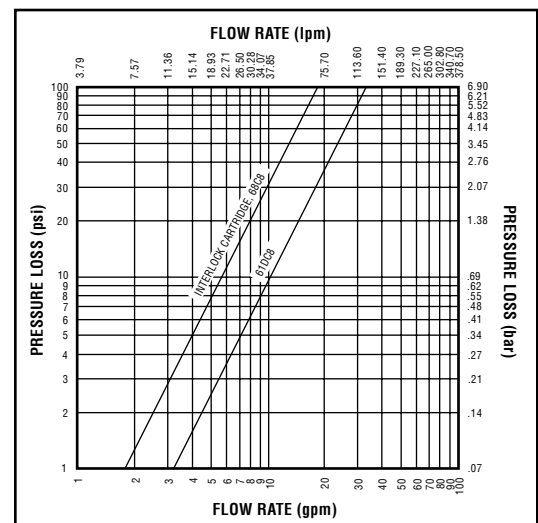
- This tip will connect at maximum working pressure.
- Shielded valve prevents reverse flow checking.
- Hardened nipple form for high performance and long life.
- Clear zinc plated for excellent corrosion resistance.
- Reliable poppet valve design with anti-blowout Buna seal for long leak-free life and high flow rates.
- Dimensional and performance requirements conform to ISO 5675.
- Dimensional requirements conform to ISO 7241-1 Series A. This tip is recommended for use with all agricultural couplers including those shown in this catalog.

63N8-8F	1/2" Female NPSF
63N8-8RP	1/2" Female BSP
63N8-8EF	1/2" Female SAE
Metric threads available on request	

## Performance Information

	61DC	68C	INTERLOCK CARTRIDGE	63N8
Maximum working pressure: psi (bar)	4000 (276)	3000 (207)	3000 (207)	3000 (207)
Burst Pressure: psi (bar)	16000 (1103)	10200 (703)	10200 (703)	10200 (703)
Maximum reverse flow: gpm (lpm) (1)	N/A	33 (125)	60 (227)	N/A
Connect force at 0 psi: lb. (N)	60 (265)	60 (265)	60 (265)	N/A
Connect force at 2700 psi: lb. (N)	N/A	65 (290)	65 (290)	N/A
Disconnect force at 0 psi: lb. (N)	50 (220)	50 (220)	50 (220)	N/A
Disconnect force at 2700 psi: lb. (N)	N/A	290 (1290)	190 (845)	N/A
Spillage on disconnect at 2700 psi: cc's / cycle	3.0	4.0	5.5	N/A
Overall length: inches (mm)	2.71 (68.8)	3.26 (82.8)	3.45 (87.6)	1.95 (49.5)
Overall diameter: inches (mm)	1.50 (38.1)	1.50 (38.1)	1.53 (38.9)	1.15 (29.2)

## Flow Chart



(1) = with shielded tip, such as 63N8  
N/A = Not Applicable



Snap-tite offers a wide range of soft seated standard inline and cartridge style check valves in plated steel or 316 stainless steel. Other materials are also available upon request as are specially designed check valves to meet specific criteria. Standard sizes range from 1/4" to 2" with pressures up to 6000 psi (415 bar) and flows to 175 gpm (662 l/min).



Inline adjustable and fixed flow controls are available in sizes from 1/4" through 1" with flows up to 30 gpm (115 l/min). All flow control valves manufactured by Snap-tite are pressure compensated to adjust for fluctuations in system pressures while providing accurate, consistent flow control.



Snap-tite can handle your specific application needs by using a standard product, modifying a standard product or designing a special product to meet your requirements. We work closely with the customer to tailor a product to their specific requirements allowing for a totally unique product if necessary. We will maintain special testing procedures to meet specific requirements as well.

**! WARNING !**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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