

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)



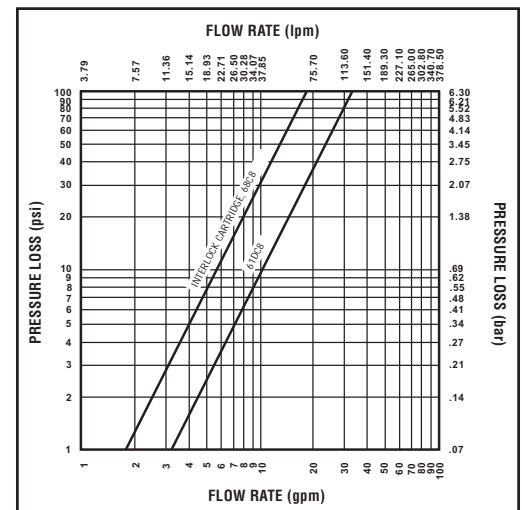
- This tip will connect at maximum working pressure.
- Shielded valve prevents reverse flow checking.
- Hardened nipple form for high performance and long life.
- Clear zinc plated for excellent corrosion resistance.
- Reliable poppet valve design with anti-blowout Buna seal for long leak-free life and 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