

THE LOC-LINE[®] SYSTEM

THE BASIC SHAPE OF THIS BALL AND SOCKET DESIGN IS THE KEY TO THE LOC-LINE[®] SYSTEM.



The tapered skirt design of Loc-Line[®] allows full articulation of the ball without cutting off any flow as do round skirt designs.

1/2" Hose



0.98" O.D.

1/4" Hose



0.64" O.D.

3/4" Hose



1.23" O.D.

2 1/2" Hose



2.93" O.D.

- Loc-Line's unique ball and socket design is fully hand adjustable in both position and length.
- Bending doesn't decrease the inside diameter and it won't kink or fatigue like copper tubing.
- Unlike metal hoses, Loc-Line[®] won't damage machine tool cutters if contact occurs.
- Loc-Line[®] is electrically non-conductive. It is ideal for use as an EDM flushing hose.
- Loc-Line[®] has no internal positioning rod that can break or restrict fluid flow.
- Repeated positioning is easy and it will stay in position without any springback. Creep due to machine vibration is eliminated.

- Loc-Line[®] is manufactured in a premium grade acetal copolymer material which is chemically resistant to petroleum products, coolants, and most common chemicals. Selected parts are also available in an acid resistant polyester.
- Loc-Line[®] continues the original adjustable hose concept by offering four hose diameters, manifolds, valves, and a large choice of nozzles and fittings. Our new Modular Vacuum Hose System continues to build on our original concept.
- Loc-Line[®] is designed for low pressure applications. Maximum pressures for the hose systems vary with the length of the hose, the diameter of the selected nozzle, and the bending angles. The following specifications are guidelines for all Loc-Line[®] coolant hose systems.

FOUR HOSE DIAMETERS

Loc-Line[®] is available in four different sizes with inside diameters measuring from 1/4" to 2 1/2".

LINE PRESSURE & FLOW RATES:

- 1/4" System** 30–50 PSI 250 Gal / Hour
- 1/2" System** 20–30 PSI 478 Gal / Hour
- 3/4" System** 10–20 PSI 1,140 Gal / Hour

TEMPERATURE SPECIFICATIONS:

- Melting point: 329° F
- Maximum operating temperature: 170° F

Please note that all applications have variables and conditions that will affect the maximum hose pressures. Testing is always recommended whenever possible.



LOC-LINE® BULK PACKS

Loc-Line® is offered in bulk packaging to simplify your purchasing requirements. Whatever your demands, there is a package to fit your needs. Bulk packed product is available in black, gray and the original blue and orange.

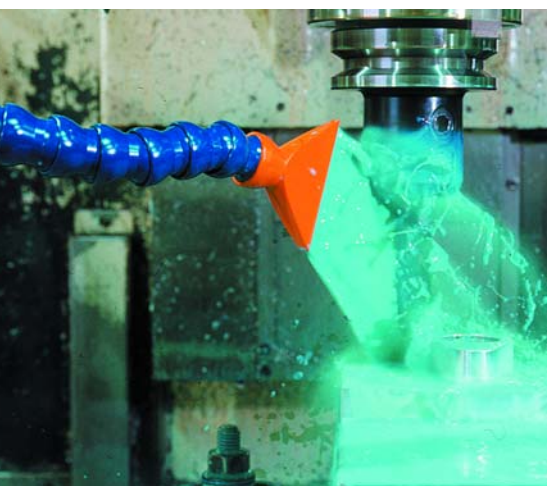




Common Compatability with Acetal Products Loc-Line® Blue & Orange Colors		
	Yes	Acetone
No		Acids
	Yes	Alcohol, Ethyl
No		Ammonium Hydroxide, (Strong)
No		Bases, Strong
	Yes	Commercial Dish Detergents
	Yes	Gasoline
	Yes	Greases
No		Hypochlorite Ion Solutions
	Yes	Lacquer Solvents
	Yes	Oils
	Yes	Sodium Hydroxide
No		Sodium Hypochlorite

3/4" SYSTEM & SHIELDS

3/4" INSIDE DIAMETER

Part No.	Description	List Price
 60513	3/4" Hose Kit 14" Length with Fittings: 2 - Segments, 5 3/4" Long 5/8" & 3/4" Nozzles 3/4" Male NPT Connector	\$ 10.95
3/4" Segment Pack		
 61501	2 - Segments, 5 3/4" Long	8.30
69540	Bulk 25 ft., 54 Segm'ts	180.00
69541	3/4" 50 Foot Coil	360.00



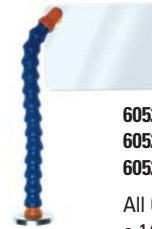
 61503	pack of 4	5.45
69543	pack of 50	53.35
 61502	pack of 4	5.45
69542	pack of 50	53.35
 61507	pack of 2	8.75
69547	pack of 20	65.55

- * **3/4" Valve Specifications**
- Full 3/4" inside diameter
- Maximum Working Pressures:
3/4" Hose: 10 PSI
3/4" In-Line Valve: 10 PSI
3/4" Male and Female NPT Valves: 50 PSI
(3/4" Hose limits most applications to 10 PSI)
- Body and stem material: Acetal Copolymer
Stem seal: Nitrile (Buna N)
- 1/4 turn shut off

 61505	pack of 4	\$ 5.45
69545	pack of 50	53.35
 61509	pack of 4	5.45
69549	pack of 50	53.35
* British Standard Pipe Thread		
 61511	pack of 2	8.75
69551	pack of 20	65.55
 61512	pack of 2	8.75
69552	pack of 20	65.55
 61508	pack of 2	6.00
69548	pack of 20	47.95
 61514	pack of 4	6.05
69554	pack of 20	24.20
 61515	pack of 2	7.10
69555	pack of 20	58.80
 61516	pack of 2	14.95
69556	pack of 10	66.50
 61517	pack of 2	14.95
69557	pack of 10	66.50
 61518	pack of 2	14.95
69558	pack of 10	66.50

SHIELDS AND ACCESSORIES

Provides protection from flying chips and splashing fluids • Shield rotates 360 degrees
• Two mounting options include a movable magnetic base or a direct mount • 1/8" thick polycarbonate • Filled magnetic base prevents chip entrapment



Quick-Set Shield™ Kit

60525	6"x8" Shield Kit	\$ 28.55
60526	7 1/2"x10" Shield Kit	30.75
60527	8 1/2"x12" Shield Kit	32.95

All Quick-Set Shield Kits include a 14" adjustable 3/4" Loc-Line® arm, magnetic base and fitting for fixed mounting.

Replacement Shield

60528	6"x8" Shield	7.65
60529	7 1/2"x10" Shield	9.85
60530	8 1/2"x12" Shield	12.05

Shield Mounting Elbow



60531	pack of 2	7.65
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• Washer and screw included.

3/4" Magnetic Base



60532	pack of one	13.15
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• 60# holding force

3/4" Fixed Mount



60533	pack of 2	5.90
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• Mounts with 1/4" bolt, not included.

3/4" Hose Assembly Pliers



78004	pack of one	13.95
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**DIMENSIONAL INFORMATION
FOR THE 3/4" SYSTEM ON PAGE 19**

SPECIFICATIONS 3/4", MANIFOLDS & VACUUM

<p>3/4" NPT CONNECTOR 61505</p>	<p>3/4" BSPT CONNECTOR 61509</p>	<p>3/4" MALE NPT VALVE 61516</p>	<p>3/4" ELBOW 61515</p>	<p>3/4" FIXED MOUNT 60533</p>
<p>3/4" ROUND NOZZLE 61502</p>	<p>5/8" ROUND NOZZLE 61503</p>	<p>3/4" FEMALE NPT VALVE 61517</p>	<p>1/2" CIRCLE FLOW NOZZLE KIT 61537</p>	
<p>3/4" Y FITTING 61511</p>	<p>3/4" DOUBLE SOCKET 61514</p>	<p>3/4" INLINE VALVE 61518</p>	<p>MAGNETIC BASE MANIFOLD 40400</p>	
<p>3/4" TO 1/2" Y REDUCER 61512</p>	<p>3/4" to 1/2" ADAPTER 61508</p>	<p>TOTAL FLOW CONTROL MANIFOLD 21198 & 32098</p>		
<p>3" FLARE NOZZLE 61507</p>	<p>3/4" HOSE MINIMUM BENDING DIAMETER</p>	<p>TOTAL FLOW CONTROL MANIFOLD DIMENSIONS A = 1/4" SYSTEM B = 1/2" SYSTEM</p>		
<p>3/4" SEGMENT 61501</p>	<p>MODULAR MANIFOLD BRACKET 21195 & 32095</p>	<p>DIMENSIONS A = 1/4" MANIFOLD B = 1/2" MANIFOLD</p>		