

# Smart-Hose™

## FLUID SYSTEMS

### ENGINEERING DATA

## Lifeline® 3



Lifeline 3 incorporates an internally coated cable connected to normally unseated "Valve Flapper" located on each end of the cable. In the event of a hose separation, coupling ejection or catastrophic hose failure, the "Valve Flappers" are released and instantly seat, stopping the flow of product in both directions.

- Reduce or eliminate personal injury
- Reduce or eliminate property damage
- Reduce or eliminate cost associated with hazardous spills

Open Flow (Valves Open)



Coupling Ejection (Valves Seated)



### • Coupling Data Lifeline 3 is recommended for gaseous flow and liquids applications

<b>Chemical Version</b>	All metal parts are 316 stainless steel
<b>HCL Version</b>	Hastelloy metal parts
<b>Flammable Gas Version</b>	All metal parts are 316 stainless steel
<b>Brass Version</b>	All metal parts are brass
<b>O-ring</b>	All couplings use PTFE Teflon unless other material is required

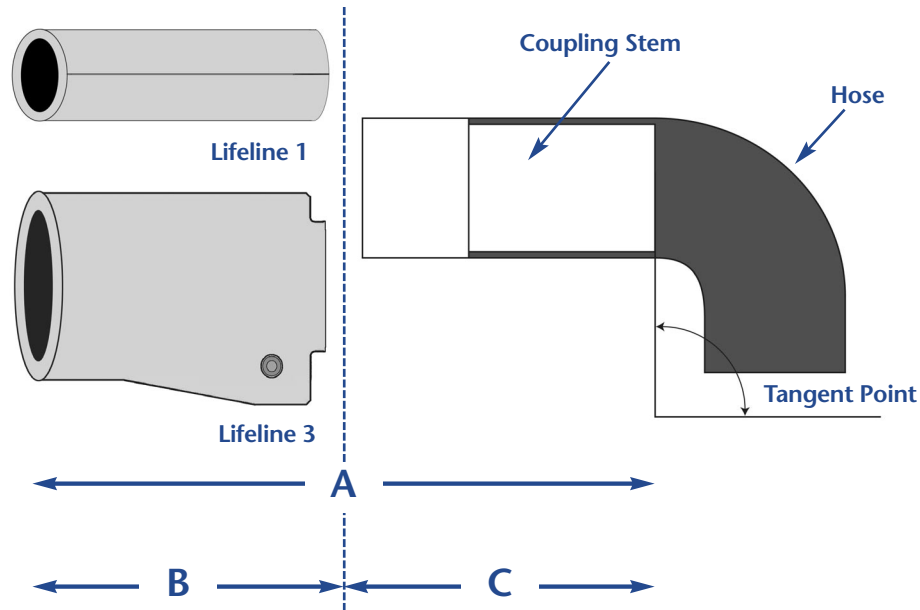
Size	Alloys Offered	End Configurations	Wt. Lbs.*	Length	WP
1 1/2"	Monel, Stainless 316	Male & Female NPT, Flanges, Cam Lock	3.4 ea.	4.74"	1000 psi
2"	Stainless 316, Hastelloy	Male & Female NPT, Flanges, Cam Lock	4.7 ea.	5.36"	1000 psi
3"	Stainless 316	Male & Female NPT, Flanges, Cam Lock	12.1 ea.	8.21"	800 psi
4"	Stainless 316	Male & Female NPT, Flanges, Cam Lock	20.7 ea.	9.1"	800 psi
6"	Stainless 316	Male & Female NPT, Flanges, Cam Lock	61.5 ea.	12.25"	500 psi

\*subject to change

All completed hose assemblies are tested with dried air under water to the test pressure of the hose assembly prior to shipment. Each hose assembly comes boxed with test certificate and instruction booklet on Care, Use and Maintenance for Lifeline products.

Rev 01/02

### Coupling Data



Coupling ID	Type	A"	B"	C"	Coupling Weight	Standard End Styles
1/4"	LL1	2.26	1.60	.665	0.40	NPT Female
3/8"	LL1	3.50	2.20	1.30	0.60	NPT Female
1/2"	LL1	4.08	2.40	1.68	0.80	NPT Female
3/4"	LL1	5.72	3.60	2.12	1.60	NPT Female
1"	LL1	6.68	4.40	2.28	2.50	NPT Female
	LL1 BA	7.94	5.39	2.55	4.50	NPT Female
1 1/4"	LL1	8.50	5.42	3.08	2.90	NPT Female
	LL1 BA	9.08	6.26	2.82	6.20	NPT Female
1 1/2"	LL3	7.82	4.74	3.08	3.40	NPT Male
2"	LL3	9.28	5.36	3.92	4.70	NPT M or F
3"	LL3	12.87	8.21	4.66	12.10	NPT M or F
4"	LL3	14.35	9.10	5.35	20.75	NPT M or F
6"	LL3	25.30	13.30	12.10	45.43	Flange
8"	LL3	w/a	w/a	w/a	w/a	Flange
10"	LL3	w/a	w/a	w/a	w/a	Flange
12"	LL3	w/a	w/a	w/a	w/a	Flange

Data subject to change

LL1 BA = Breakaway  
w/a = will advise