Lubromation, Inc.

Supply and Feed Line Maximum Length Chart

Tubing O.D. (Steel)	Min. Wall Thickness	Maximum Length (Ft.)																
		#0 Grease					#1 Grease					#2 Grease					Oil	
		Supply Line	Feed Lines				Supply Line	Feed Lines				Supply Line	Feed Lines				Supply Line	Feed Lines
			SL 33	SL 32	SL 1	SL 11		SL 33	SL 32	SL 1	SL 11		SL 33	SL 32	SL 1	SL 11		SL 41 SL 42 SL 43 SL 44
1/8"	.020		20	16	4			12	10	3			6.5	5	1.5			25
1/4"	.028				35	38				17	25				8	13	75	100
3/8"	.028	50			64	75	25			26	45				16	20	150	
1/2"	.049	75					40					25					225	
5/8"	.049	125					70					40					300	
3/4"	.065	175					100					60					375	
1"	.083	350					175					100					525	
1 1/4"	.134	475					250					150						
2"	.220	1000					600					375						
Pipe	Sch.																	
1/8"	40					62					35					20	75	
1/4"	40	40				120	25				60					30	150	
3/8"	40	80					40					25					225	
1/2"	40	125					70					40					300	
3/4"	80	175					90					60					375	
1"	80	300					175					100					525	
1 1/4"	80	525					275					170						
1 1/2"	80	750					375					250						
2"	160	1000					475					300						

Note: On oil systems the supply line lengths listed above are based upon lubricant temperatures of 65°F or higher. For Temperatures down to 32°F use next larger pipe or tubing size.

The above chart shows maximum supply line and feed line lengths for a Lincoln Centromatic automatic lubrication system. There are other considerations such as the “ventability” of the grease, frequency of the desired lubrication cycle and other factors. The supply line is the line from the pump to the injector manifolds, the feed lines are the lines from the injectors to the bearings or lubrication point. For more information consult your local authorized Lincoln Industrial systems house.