

PRIMELINE INDUSTRIES

NATURAL LATEX TUBING

STANDARD DIMENSIONAL TOLERANCES

Tubing Size	I.D. Tolerance Range	Wall Tolerance Range	O. D.	O. D. Tolerance	O. D. Range
1/16 x .020	.048 to .078	.016 to .024	.103		
1/32		.024 to .038	.125		
3/64	± .015	.040 to .054	.157		
1/16		.052 to .072	.188		
3/32		.079 to .109	.251		
1/8		.110 to .140	.313		
5/32			.375	± .020	.355 to .395
3/16			.438	± .020	.418 to .458
7/32			.500	± .020	.480 to .520
1/4			.563	± .020	.538 to .588
3/32 x .020	.079 to .109	.016 to .024	.134		
1/32		.024 to .038	.156		
3/64	± .015	.040 to .054	.188		
1/16		.052 to .072	.219		
3/32		.079 to .109	.28		
1/8		.110 to .140	.344		
5/32			.406	± .020	.386 to .426
3/16			.469	± .020	.449 to .489
7/32			.531	± .020	.511 to .551
1/4			.594	± .020	.574 to .614
1/8 x .020	.110 to .140	.016 to .024	.165		
1/32		.024 to .038	.187		
3/64	± .015	.040 to .054	.219		
1/16		.052 to .072	.250		
3/32		.079 to .109	.313		
1/8		.110 to .140	.375		
5/32			.437	± .020	.417 to .457
3/16			.500	± .020	.480 to .520
7/32			.562	± .020	.542 to .582
1/4			.625	± .020	.605 to .645
9/32			.687	± .025	.662 to .712
5/16			.750	± .025	.725 to .775

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Tubing Size	I.D. Tolerance Range	Wall Tolerance Range	O. D.	O. D. Tolerance	O. D. Range
5/32 x .020	.141 to .171	.016 to .024	.196		
1/32		.024 to .038	.218		
3/64	± .015	.040 to .054	.250		
1/16		.052 to .072	.281		
3/32		.079 to .109	.344		
1/8		.110 to .140	.406		
5/32			.468	± .020	.448 to .488
3/16			.531	± .020	.511 to .551
7/32			.593	± .020	.573 to .613
1/4			.656	± .025	.631 to .681
3/16 x .020	.173 to .203	.016 to .024	.228		
1/32		.024 to .038	.250		
3/64	± .015	.040 to .054	.281		
1/16		.052 to .072	.313		
3/32		.079 to .109	.375		
1/8		.110 to .140	.438		
5/32			.500	± .020	.480 to .520
3/16			.563	± .020	.543 to .583
7/32			.625	± .020	.605 to .645
1/4			.688	± .025	.663 to .713
1/4 x .020	.235 to .265	.016 to .024	.290		
1/32		.024 to .038	.312		
3/64	± .015	.040 to .054	.344		
1/16		.050 to .074	.375		
3/32		.079 to .109	.438		
1/8		.110 to .140	.500		
5/32			.562	± .020	.542 to .582
3/16			.625	± .020	.605 to .645
7/32			.687	± .025	.662 to .712
1/4			.750	± .025	.725 to .775
5/16 x .020	.298 to .328	.016 to .024	.353		
1/32		.024 to .038	.375		
3/64	± .015	.037 to .057	.406		
1/16		.050 to .074	.438		
3/32		.079 to .109	.500		
1/8		.110 to .140	.563		
5/32			.625	± .020	.605 to .645
3/16			.688	± .020	.663 to .713
7/32			.749	± .025	.724 to .774
1/4			.813	± .030	.783 to .843

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Tubing Size	I.D. Tolerance Range	Wall Tolerance Range	O. D.	O. D. Tolerance	O. D. Range
3/8 x .020	.355 to .395	.016 to .024	.415		
1/32		.024 to .038	.437		
3/64	± .020	.037 to .057	.469		
1/16		.050 to .074	.500		
3/32		.079 to .109	.563		
1/8		.110 to .140	.625		
5/32			.687	± .025	.662 to .712
3/16			.750	± .025	.725 to .775
7/32			.812	± .030	.782 to .842
1/4			.875	± .030	.845 to .905
1/2 x .020	.470 to .530	.016 to .024	.540		
1/32		.024 to .038	.562		
3/64	± .030	.037 to .057	.594		
1/16		.050 to .074	.625		
3/32		.079 to .109	.688		
1/8		.110 to .140	.750		
5/32			.812	± .030	.782 to .842
3/16			.875	± .030	.845 to .905
7/32			.937	± .030	.907 to .967
1/4			1.000	± .030	.970 to 1.030
5/8 x .020	.595 to .655	.016 to .024	.665		
1/32		.024 to .038	.687		
3/64	± .030	.037 to .057	.719		
1/16		.050 to .074	.750		
3/32		.079 to .109	.813		
1/8		.110 to .140	.875		
5/32			.937	± .030	.907 to .967
3/16			1.000	± .030	.970 to 1.030
7/32			1.062	± .035	1.027 to 1.097
1/4			1.125	± .035	1.090 to 1.160
3/16 x .020	.715 to .785	.016 to .024	.790		
1/32		.024 to .038	.812		
3/64	± .035	.037 to .057	.844		
1/16		.050 to .074	.875		
3/32		.079 to .109	.938		
1/8		.110 to .140	1.000		
5/32			1.062	± .035	1.027 to 1.097
3/16			1.125	± .035	1.090 to 1.160
7/32			1.187	± .035	1.152 to 1.222
1/4			1.250	± .035	1.215 to 1.285

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Tubing Size	I.D. Tolerance Range	Wall Tolerance Range	O. D.	O. D. Tolerance	O. D. Range
1" x .020	.965 to 1.035	.016 to .024	1.040		
1/32		.024 to .038	1.062		
3/64	±.035	.037 to .057	1.094		
1/16		.050 to .074	1.125		
3/32		.079 to .109	1.188		
1/8		.110 to .140	1.250		
5/32			1.312	± .040	1.272 to 1.352
3/16			1.375	± .040	1.335 to 1.415
7/32			1.437	± .040	1.397 to 1.477
1/4			1.500	± .040	1.460 to 1.540