

SEAMLESS & WELDED HYDRAULIC FLUID LINE STEEL TUBING

Recommended Maximum Working Pressures & Theoretical Bursting Pressures (PSI)

WALL O.D.	.020	.025	.028	.032	.035	.042	.049	.058	.065	.072	.083	.095	.109	.125
1/8"	4,800 15,840	6,000 19,800	6,700 22,110	7,680 25,930	8,430 27,810	9,920 32,730	11,750 38,770							
3/16"	3,200 10,560	4,000 13,200	4,470 14,750	5,100 16,830	5,610 18,510	6,750 22,270	7,850 25,900							
1/4"	2,400 7,920	2,930 9,830	3,350 11,055	3,830 12,630	4,200 13,860	5,040 16,630	5,890 19,430	7,000 23,100	7,850 25,900					
5/16"	2,000 6,600	2,410 7,950	2,690 8,870	3,080 10,160	3,370 11,120	4,040 13,330	4,710 15,540	5,610 18,510	6,290 20,750	6,950 22,930	8,010 26,430			
3/8"	1,600 5,280	1,990 6,560	2,240 7,390	2,560 8,440	2,800 9,240	3,360 11,080	3,920 12,930	4,660 15,370	5,240 17,290	5,790 19,100	6,600 21,970	7,640 25,210	8,720 28,770	9,990 32,960
7/16"	1,370 4,520	1,715 5,650	1,920 6,330	2,190 7,220	2,400 7,920	2,880 9,500	3,360 11,080	4,000 13,200	4,500 14,850	4,960 16,360	5,720 18,870	6,550 21,610	7,490 24,710	8,580 28,310
1/2"	1,200 3,960	1,490 4,910	1,675 5,520	1,920 6,330	2,100 6,930	2,520 8,310	2,940 9,700	3,500 11,550	3,925 12,950	4,340 14,320	5,000 16,500	5,720 18,870	6,540 21,580	7,500 24,750
9/16"	1,065 3,510	1,330 4,380	1,490 4,910	1,705 5,620	1,870 6,170	2,240 7,390	2,620 8,640	3,110 10,260	3,490 11,510	3,860 12,730	4,450 14,680	5,090 16,790	5,810 19,170	6,660 21,970
5/8"	1,000 3,300	1,200 3,960	1,340 4,420	1,535 5,060	1,680 5,540	2,020 6,660	2,350 7,750	2,800 9,240	3,140 10,360	3,470 11,450	4,000 13,200	4,580 15,110	5,230 17,250	6,000 19,300
11/16"	870 2,870	1,090 3,590	1,220 4,020	1,395 4,600	1,530 5,040	1,830 6,030	2,135 7,040	2,530 8,340	2,835 9,350	3,140 10,360	3,620 11,940	4,145 13,670	4,755 15,690	5,455 18,000
3/4"	800 2,640	1,000 3,300	1,120 3,690	1,280 4,220	1,400 4,620	1,640 5,410	1,960 6,460	2,320 7,650	2,600 8,580	2,800 9,500	3,320 10,950	3,800 12,540	4,360 14,380	5,000 16,500
7/8"	685 2,260	860 2,830	960 3,160	1,090 3,590	1,200 3,960	1,440 4,750	1,680 5,540	1,985 6,550	2,225 7,340	2,465 8,130	2,845 9,380	3,255 10,740	3,740 12,240	4,285 14,140
1"	600 1,980	750 2,475	840 2,770	960 3,165	1,050 3,465	1,260 4,150	1,470 4,850	1,740 5,740	1,950 6,435	2,160 7,125	2,490 8,215	2,850 9,405	3,270 10,790	3,750 12,375
1-1/8"	530 1,745	665 2,190	745 2,455	850 2,805	935 3,085	1,120 4,320	1,310 5,095	1,545 5,725	1,735 6,335	1,920 7,035	2,215 8,365	2,535 9,600	2,910 9,600	3,330 10,985

Upper figures represent maximum working pressures and lower figures represent theoretical bursting pressures.



**ITS "Value Added"
service is part of
everything we do!**

Kent, Ohio - 1-800-662-9567
Cincinnati, Ohio 1-800-332-9567
www.industrialtube.com



WELDED HYDRAULIC FLUID LINE BURST PRESSURES

DIAMETER		WALL THICKNESS		BURST PRESSURE
1/4"				
1/4"	X	.035	-	12,600
1/4"	X	.049	-	17,640
5/16"				
5/16"	X	.035	-	10,080
5/16"	X	.049	-	14,110
3/8"				
3/8"	X	.035	-	8,400
3/8"	X	.049	-	11,760
3/8"	X	.065	-	15,600
7/16"				
7/16"	X	.035	-	7,200
7/16"	X	.049	-	10,080
7/16"	X	.065	-	13,370
1/2"				
1/2"	X	.035	-	6,300
1/2"	X	.049	-	8,820
1/2"	X	.065	-	11,700
5/8"				
5/8"	X	.035	-	5,040
5/8"	X	.049	-	7,055
5/8"	X	.065	-	9,360
5/8"	X	.083	-	11,950
3/4"				
3/4"	X	.035	-	4,200
3/4"	X	.049	-	5,880
3/4"	X	.065	-	7,800
3/4"	X	.083	-	9,960
3/4"	X	.095	-	11,400
3/4"	X	.109	-	13,080

DIAMETER		WALL THICKNESS		BURST PRESSURE
7/8"				
7/8"	X	.049	-	5,040
7/8"	X	.065	-	6,685
7/8"	X	.083	-	8,535
7/8"	X	.095	-	9,770
1"				
1"	X	.049	-	4,410
1"	X	.065	-	5,850
1"	X	.083	-	7,470
1"	X	.095	-	8,550
1-1/8"				
1-1/8"	X	.065	-	5,200
1-1/8"	X	.083	-	6,640
1-1/8"	X	.095	-	7,600
1-1/8"	X	.109	-	8,720
1-1/4"				
1-1/4"	X	.065	-	4,680
1-1/4"	X	.083	-	5,975
1-1/4"	X	.095	-	6,840
1-1/4"	X	.109	-	7,848
1-1/4"	X	.120	-	8,640
1-1/2"				
1-1/2"	X	.083	-	4,980
1-1/2"	X	.095	-	5,700
1-1/2"	X	.109	-	6,540
1-1/2"	X	.120	-	7,200
2"				
2"	X	.134	-	6,030
2"	X	.188	-	8,460

NOTE: This burst pressure chart shows common diameters and wall thicknesses regularly produced. Burst pressures for other diameters and wall thicknesses available upon request.

The ITS Advantage - Integrity, Tradition, Service!

Kent, Ohio - 1-800-662-9567
Cincinnati, Ohio 1-800-332-9567
www.industrialtube.com

