

# SEAMLESS HYDRAULIC FLUID LINE STEEL TUBING

Recommended Maximum Working Pressures and Theoretical Bursting Pressures (psi)

Wall OD	.020	.025	.028	.032	.035	.042	.049	.058	.065	.072	.083	.095	.109	.125
1/8	4,800	6,000	6,700	7,680	8,430	9,920	11,750							
	15,840	19,800	22,110	25,930	27,810	32,730	38,770							
3/16	3,200	4,000	4,470	5,100	5,610	6,750	7,850							
	10,560	13,200	14,750	16,830	18,510	22,270	25,900							
1/4	2,400	2,930	3,350	3,830	4,200	5,040	5,890	7,000	7,850					
	7,920	9,830	11,055	12,630	13,860	16,630	19,430	23,100	25,900					
5/16	2,000	2,410	2,690	3,080	3,370	4,040	4,710	5,610	6,290	6,950	8,010			
	6,600	7,950	8,870	10,160	11,120	13,330	15,540	18,510	20,750	22,930	26,430			
3/8	1,600	1,990	2,240	2,560	2,800	3,360	3,920	4,660	5,240	5,790	6,600	7,640	8,720	9,990
	5,280	6,560	7,390	8,440	9,240	11,080	12,930	15,370	17,290	19,100	21,970	25,210	28,770	32,960
7/16	1,370	1,715	1,920	2,190	2,400	2,880	3,360	4,000	4,500	4,960	5,720	6,550	7,490	8,580
	4,520	5,650	6,330	7,220	7,920	9,500	11,080	13,200	14,850	16,360	18,870	21,610	24,710	28,310
1/2	1,200	1,490	1,675	1,920	2,100	2,520	2,940	3,500	3,925	4,340	5,000	5,720	6,540	7,500
	3,960	4,910	5,520	6,330	6,930	8,310	9,700	11,550	12,950	14,320	16,500	18,870	21,580	24,750
9/16	1,065	1,330	1,490	1,705	1,870	2,240	2,620	3,110	3,490	3,860	4,450	5,090	5,810	6,660
	3,510	4,380	4,910	5,620	6,170	7,390	8,640	10,260	11,510	12,730	14,680	16,790	19,170	21,970
5/8	1,000	1,200	1,340	1,535	1,680	2,020	2,350	2,800	3,140	3,470	4,000	4,580	5,230	6,000
	3,300	3,960	4,420	5,060	5,540	6,660	7,750	9,240	10,360	11,450	13,200	15,110	17,250	19,300
11/16	870	1,090	1,220	1,395	1,530	1,830	2,135	2,530	2,835	3,140	3,620	4,145	4,755	5,455
	2,870	3,590	4,020	4,600	5,040	6,030	7,040	8,340	9,350	10,360	11,940	13,670	15,690	18,000
3/4	800	1,000	1,120	1,280	1,400	1,640	1,960	2,320	2,600	2,800	3,320	3,800	4,360	5,000
	2,640	3,300	3,690	4,220	4,620	5,410	6,460	7,650	8,580	9,500	10,950	12,540	14,380	16,500
7/8	685	860	960	1,090	1,200	1,440	1,680	1,985	2,225	2,465	2,845	3,255	3,740	4,285
	2,260	2,830	3,160	3,590	3,960	4,750	5,540	6,550	7,340	8,130	9,380	10,740	12,240	14,140
1	600	750	840	960	1,050	1,260	1,470	1,740	1,950	2,160	2,490	2,850	3,270	3,750
	1,980	2,475	2,770	3,165	3,465	4,150	4,850	5,740	6,435	7,125	8,215	9,405	10,790	12,375
1-1/8	530	665	745	850	935	1,120	1,310	1,545	1,735	1,920	2,215	2,535	2,910	3,330
	1,745	2,190	2,455	2,805	3,085	3,720	4,430	5,295	6,035	6,835	8,035	9,300	10,740	12,375

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

## WELDED HYDRAULIC FLUID LINE - BURST PRESSURES

<u>1/4" x .035 - 12,600</u>	<u>5/8" x .083 - 11,950</u>	<u>1-1/8" x .065 - 5,200</u>
<u>1/4" x .049 - 17,640</u>	<u>3/4" x .035 - 4,200</u>	<u>1-1/8" x .083 - 6,640</u>
<u>5/16" x .035 - 10,080</u>	<u>3/4" x .049 - 5,880</u>	<u>1-1/8" x .095 - 7,600</u>
<u>5/16" x .049 - 14,110</u>	<u>3/4" x .065 - 7,800</u>	<u>1-1/8" x .109 - 8,720</u>
<u>3/8" x .035 - 8,400</u>	<u>3/4" x .083 - 9,960</u>	<u>1-1/4" x .065 - 4,680</u>
<u>3/8" x .049 - 11,760</u>	<u>3/4" x .095 - 11,400</u>	<u>1-1/4" x .083 - 5,975</u>
<u>3/8" x .065 - 15,600</u>	<u>3/4" x .109 - 13,080</u>	<u>1-1/4" x .095 - 6,840</u>
<u>7/16" x .035 - 7,200</u>	<u>7/8" x .049 - 5,040</u>	<u>1-1/4" x .109 - 7,848</u>
<u>7/16" x .049 - 10,080</u>	<u>7/8" x .065 - 6,685</u>	<u>1-1/4" x .120 - 8,640</u>
<u>7/16" x .065 - 13,370</u>	<u>7/8" x .083 - 8,535</u>	<u>1-1/2" x .083 - 4,980</u>
<u>1/2" x .035 - 6,300</u>	<u>7/8" x .095 - 9,770</u>	<u>1-1/2" x .095 - 5,700</u>
<u>1/2" x .049 - 8,820</u>	<u>1" x .049 - 4,410</u>	<u>1-1/2" x .109 - 6,540</u>
<u>1/2" x .065 - 11,700</u>	<u>1" x .065 - 5,850</u>	<u>1-1/2" x .120 - 7,200</u>
<u>5/8" x .035 - 5,040</u>	<u>1" x .083 - 7,470</u>	<u>2" x .134 - 6,030</u>
<u>5/8" x .049 - 7,055</u>	<u>1" x .095 - 8,550</u>	<u>2" x .188 - 8,460</u>
<u>5/8" x .065 - 9,360</u>		

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