

# LASERPLANE LTD

CONSTRUCTION SURVEY EQUIPMENT • INTERIOR LASERS  
HIRE • SALES • SERVICE

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## GRADIENT CHART

Gradient x %	Gradient x %	Gradient x %	Gradient x %	Gradient x %	Gradient x %
1 in 10 = 10.000	1 in 40 = 02.500	1 in 70 = 01.429	1 in 100 = 01.000	1 in 250 = 00.400	1 in 500 = 00.200
1 in 11 = 09.091	1 in 41 = 02.439	1 in 71 = 01.408	1 in 105 = 00.952	1 in 255 = 00.392	1 in 525 = 00.191
1 in 12 = 08.333	1 in 42 = 02.381	1 in 72 = 01.389	1 in 110 = 00.909	1 in 260 = 00.385	1 in 550 = 00.182
1 in 13 = 07.692	1 in 43 = 02.326	1 in 73 = 01.370	1 in 115 = 00.870	1 in 265 = 00.377	1 in 575 = 00.174
1 in 14 = 07.143	1 in 44 = 02.273	1 in 74 = 01.351	1 in 120 = 00.833	1 in 270 = 00.370	1 in 600 = 00.167
1 in 15 = 06.667	1 in 45 = 02.222	1 in 75 = 01.333	1 in 125 = 00.800	1 in 275 = 00.364	1 in 625 = 00.160
1 in 16 = 06.250	1 in 46 = 02.174	1 in 76 = 01.316	1 in 130 = 00.769	1 in 280 = 00.357	1 in 650 = 00.154
1 in 17 = 05.882	1 in 47 = 02.128	1 in 77 = 01.299	1 in 135 = 00.741	1 in 285 = 00.351	1 in 675 = 00.148
1 in 18 = 05.556	1 in 48 = 02.083	1 in 78 = 01.282	1 in 140 = 00.714	1 in 290 = 00.345	1 in 700 = 00.143
1 in 19 = 05.263	1 in 49 = 02.041	1 in 79 = 01.266	1 in 145 = 00.690	1 in 295 = 00.339	1 in 725 = 00.138
1 in 20 = 05.000	1 in 50 = 02.000	1 in 80 = 01.250	1 in 150 = 00.667	1 in 300 = 00.333	1 in 750 = 00.133
1 in 21 = 04.762	1 in 51 = 01.961	1 in 81 = 01.235	1 in 155 = 00.645	1 in 310 = 00.323	1 in 775 = 00.129
1 in 22 = 04.545	1 in 52 = 01.923	1 in 82 = 01.220	1 in 160 = 00.625	1 in 320 = 00.313	1 in 800 = 00.125
1 in 23 = 04.348	1 in 53 = 01.887	1 in 83 = 01.205	1 in 165 = 00.606	1 in 330 = 00.303	1 in 825 = 00.121
1 in 24 = 04.167	1 in 54 = 01.852	1 in 84 = 01.191	1 in 170 = 00.588	1 in 340 = 00.294	1 in 850 = 00.118
1 in 25 = 04.000	1 in 55 = 01.818	1 in 85 = 01.177	1 in 175 = 00.571	1 in 350 = 00.286	1 in 875 = 00.114
1 in 26 = 03.846	1 in 56 = 01.786	1 in 86 = 01.163	1 in 180 = 00.556	1 in 360 = 00.278	1 in 900 = 00.111
1 in 27 = 03.704	1 in 57 = 01.754	1 in 87 = 01.149	1 in 185 = 00.541	1 in 370 = 00.270	1 in 925 = 00.108
1 in 28 = 03.571	1 in 58 = 01.724	1 in 88 = 01.136	1 in 190 = 00.526	1 in 380 = 00.263	1 in 950 = 00.105
1 in 29 = 03.448	1 in 59 = 01.695	1 in 89 = 01.124	1 in 195 = 00.513	1 in 390 = 00.256	1 in 975 = 00.103
1 in 30 = 03.333	1 in 60 = 01.667	1 in 90 = 01.111	1 in 200 = 00.500	1 in 400 = 00.250	1 in 1000 = 00.100
1 in 31 = 03.226	1 in 61 = 01.639	1 in 91 = 01.099	1 in 205 = 00.488	1 in 410 = 00.244	
1 in 32 = 03.125	1 in 62 = 01.613	1 in 92 = 01.087	1 in 210 = 00.476	1 in 420 = 00.238	
1 in 33 = 03.030	1 in 63 = 01.587	1 in 93 = 01.075	1 in 215 = 00.465	1 in 430 = 00.233	
1 in 34 = 02.941	1 in 64 = 01.563	1 in 94 = 01.064	1 in 220 = 00.455	1 in 440 = 00.227	
1 in 35 = 02.857	1 in 65 = 01.539	1 in 95 = 01.053	1 in 225 = 00.444	1 in 450 = 00.222	
1 in 36 = 02.778	1 in 66 = 01.515	1 in 96 = 01.042	1 in 230 = 00.435	1 in 460 = 00.217	
1 in 37 = 02.703	1 in 67 = 01.493	1 in 97 = 01.031	1 in 235 = 00.426	1 in 470 = 00.213	
1 in 38 = 02.632	1 in 68 = 01.471	1 in 98 = 01.020	1 in 240 = 00.417	1 in 480 = 00.208	
1 in 39 = 02.564	1 in 69 = 01.449	1 in 99 = 01.010	1 in 245 = 00.408	1 in 490 = 00.204	

$$\frac{\text{Difference in height}}{\text{Distance}} \times 100 = \text{Percentage grade}$$

Worked example: 1 in 19.5 =  $\frac{1}{19.5} \times 100 = 05.128\%$