

S = W / 25R

where: S = # of strokes in weight strokes statement of driver
W = desired width of line in millimeters
R = resolution of plotter in inches in resolution statement

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#####  
;A-size 1200dpi (0.021 - 1.6 mm)  
weight_stroke=(1,1,2,4,5,6,7,8,10,11,12,13,14,17,19,22,24,26,29,32,36,40,43,47,50,54,58,61,65,68,72,76)  
;B-size 1200dpi (0.042 - 3.2 mm)  
weight_stroke=(1,2,5,7,10,12,14,17,19,22,24,26,29,34,38,43,48,53,58,65,72,79,86,94,101,108,115,122,130,137,144,151)  
;D-size 1200dpi (0.084 - 5.4 mm)  
weight_stroke=(1,5,10,14,19,24,29,34,38,43,48,53,58,67,77,86,96,106,115,130,144,158,173,187,202,216,230,245,255,255,255,255)  
;1200 dpi  
resolution(IN)=(0.00083333,0.00083333)  
style(1) = (14,42)/nohardware  
style(2) = (70,42)/nohardware  
style(3) = (168,56)/nohardware  
style(4) = (112,42,28,42)/nohardware  
style(5) = (56,56)/nohardware  
style(6) = (84,28,28,28,28,28)/nohardware  
style(7) = (112,28,56,28)/nohardware  
#####  
;A-size 600dpi (0.042 - 1.6 mm)  
weight_strokes=(1,1,1,2,2,3,4,4,5,5,6,7,7,8,10,11,12,13,14,16,18,20,22,23,25,27,29,31,32,34,36,38)  
;B-size 600dpi (0.042 - 3.2 mm)  
weight_strokes=(1,1,2,4,5,6,7,8,10,11,12,13,14,17,19,22,24,26,29,32,36,40,43,47,50,54,58,61,65,68,72,76)  
;D-size 600dpi (0.084 - 5.4 mm)  
weight_stroke=(1,2,5,7,10,12,14,17,19,22,24,26,29,34,38,43,48,53,58,65,72,79,86,94,101,108,115,122,130,137,144,151)  
;600 DPI  
resolution(IN)=(0.0016666,0.0016666)  
style(1) = (7,21)/nohardware  
style(2) = (35,21)/nohardware  
style(3) = (84,28)/nohardware  
style(4) = (66,21,14,21)/nohardware  
style(5) = (28,28)/nohardware  
style(6) = (42,14,14,14,14,14)/nohardware  
style(7) = (60,14,28,14)/nohardware  
#####  
;A-size 300dpi (0.085 - 1.6 mm)  
weight_strokes=(0,0,1,1,1,2,2,2,2,3,3,3,4,4,5,5,6,7,7,8,9,10,11,12,13,14,14,15,16,17,18,19)  
;B-size 300dpi (0.085 - 3.2 mm)  
weight_strokes=(0,1,1,2,2,3,4,4,5,5,6,7,7,8,10,11,12,13,14,16,18,20,22,23,25,27,29,31,32,34,36,38)  
;D-size 300dpi (0.085 - 3.2 mm)  
weight_strokes=(0,1,2,4,5,6,7,8,10,11,12,13,14,17,19,22,24,26,29,32,36,40,43,47,50,54,58,61,65,68,72,76)  
;300 DPI  
resolution(IN)=(0.0033333,0.0033333)  
style(1) = (4,11)/nohardware  
style(2) = (18,11)/nohardware  
style(3) = (42,14)/nohardware  
style(4) = (33,11,7,11)/nohardware  
style(5) = (14,14)/nohardware  
style(6) = (21,7,7,7,7,7)/nohardware  
style(7) = (30,7,14,7)/nohardware  
#####
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NOTE: 0 strokes produces a line of minimum width. On some plotters this results in a thinner line than the plotter resolution would indicate (ie. thinner than one stroke).

Resulting line widths (mm)

Ustation Weight	A-size plot	B-size plot	D-size plot
1	.025	.05	.1
2	.05	.1	.2
3	.075	.15	.3
4	.1	.2	.4
5	.125	.25	.5
6	.15	.3	.6
7	.175	.35	.7
8	.2	.4	.8
9	.225	.45	.9
10	.25	.5	1.0
11	.275	.55	1.1
12	.3	.6	1.2
13	.35	.7	1.4
14	.4	.8	1.6
15	.45	.9	1.8
16	.5	1.0	2.0
17	.55	1.1	2.2
18	.6	1.2	2.4
19	.675	1.35	2.7
20	.75	1.5	3.0
21	.825	1.65	3.3
22	.9	1.8	3.6
23	0.975	1.95	3.9
24	1.05	2.1	4.2
25	1.125	2.25	4.5
26	1.2	2.4	4.8
27	1.275	2.55	5.1
28	1.35	2.7	5.4
29	1.425	2.85	5.7
30	1.5	3.0	6.0
31	1.575	3.15	6.3