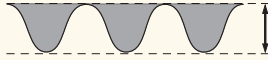


CO₂ Anilox Cell Volume

Screen: L/inch
Volume: BCM

Conventional CO₂ Cell Geometry:



Side view of typical CO₂ laser engraving showing relative depth.

Line Count	Wall	Opening	Minimum		Optimum		Maximum	
			depth	volume	depth	volume	depth	volume
			µm	cm ³ /m ²	µm	cm ³ /m ²	µm	cm ³ /m ²
225	6	38	8	1,9	17	4,4	21	5,1
210	6	42	8	2,1	18	4,8	22	5,5
195	7	44	9	2,2	19	5,1	24	5,9
180	7	49	10	2,4	21	5,6	26	8,0
160	8	55	11	2,7	24	6,2	29	9,0
140	8	63	13	3,2	27	7,3	34	10,0
120	9	74	15	3,7	32	8,5	40	12,0
110	9	82	16	4,1	35	9,4	44	13,0
100	9	91	18	4,6	39	10,4	49	14,0
80	10	115	23	5,8	50	13,2	61	17,0
70	10	133	27	6,6	58	15,2	71	17,7
60	10	157	31	7,8	68	18,0	84	20,9
50	12	188	38	9,4	81	21,5	100	25,1
40	14	236	47	11,8	102	27,0	126	31,5
30	16	317	63	15,9	138	36,4	169	42,3

* Maximum depth may cause wall inconsistency and exaggerate transfer.
Optimum depth and volume will achieve better in release.

When selecting the line count and volume to satisfy your needs, please consider the following :

- Volume is the actual cell capacity and is based upon cell dimensions
- Transfer is a function of volume, cell shape, and factors related to inks, metering and plate materials.