

AFP Dispro factor (K Value)

AFP K value in mm

Plate thickness	Plate type	K value
1.14	SH / HD / SF / DSH / DHD / DSF	5.98
1.70	SH / HD / SF / HF / SG / DSH / DSF	9.89
2.28	HF / SG	13.54
2.54	SH / HD / SF / HF / SG / DSH / DHD / DSF	15.17
2.72	SH / SF / DSH / DSF	16.30
2.84	SH / HD / SF / HF / SG / DSH / DSF / SQ / DSQ	17.05
3.18	HF / SG / SQ / SR / DSQ	19.20
3.94	ER	24.13
	SQ / SR DSQ	23.97
	LR (Floor-less type)	23.57
4.32	ER	26.51
	SQ / DSQ	26.36
4.70	ER	28.90
	SQ	28.75
5.00	ER	30.78
	SQ	30.63
	ER-11 / LQ / LR (Floor-less type)	30.23
5.50	ER	33.92
	SQ	33.77
6.00	ER	37.07
	SQ	36.91
6.35	ER	39.27
	SQ / SR	39.11
7.00	ER-11 / LQ / LR (Floor-less type)	42.80
7.50	LQ (Floor-less type)	45.94

AFP K value in inch

Plate thickness	Plate type	K value
0.045	SH / HD / SF / DSH / DHD / DSF	0.2388
0.067	SH / HD / SF / HF / SG / DSH / DSF	0.3896
0.090	HF / SG	0.5341
0.100	SH / HD / SF / HF / SG / DSH / DHD / DSF	0.5969
0.107	SH / SF / DSH / DSF	0.6409
0.112	SH / HD / SF / HF / SG / DSH / DSF / SQ / DSQ	0.9723
0.125	HF / SG / SQ / SR / DSQ	0.7540
0.155	ER	0.9488
	SQ / SR DSQ	0.9425
	LR (Floor-less type)	0.9299
0.170	ER	1.0430
	SQ / DSQ	1.0367
0.185	ER	1.1373
	SQ	1.1310
0.197	ER	1.2127
	SQ	1.2064
	ER-11 / LQ / LR (Floor-less type)	1.1938
0.217	ER	1.3383
	SQ	1.3320
0.236	ER	1.4577
	SQ	1.4514
0.250	ER	1.5457
	SQ / SR	1.5394
0.276	ER-11 / LQ / LR (Floor-less type)	1.6902

Formula: Reduction[%] = $(K \times 100) / R$

K: parameter depending on the polymer thickness (minus base film)

R: Repeat length (=printingcircumference)

$K = 2 \times 3.1416 \times (\text{Plate thickness} - \text{Base film thickness})$

$R = 3.1416 \times (\text{cylinder diameter} + (2 \times \text{total plate thickness}) + (2 \times \text{adhesive mounting tape thickness}))$