

Web offset press performance according to press type, folder, paper weight and number of webs

	Format	8pp SG		16pp I.G		32pp I.G		32pp SG	
	No. of webs	1	2	1	2	1	2	1	2
A3	Weight			30-60		30-60			
	Speed			30,000	40,000	25,000	28,000		
	Accuracy			0.6	0.8	0.8	1.0		
	Weight			60-90		60-90		50-90	
	Speed			45,000	45,000	31,000	27,000	38,000	31,000
	Accuracy			0.6	0.8	0.8	1.0	0.8	0.8
A4	Weight			90-120		90-120			
	Speed			45,000	45,000	31,000	27,000		
	Accuracy			0.7	0.9	0.8	1.0		
	Weight			30-60		30-60			
	Speed			36,000	38,000	28,000	26,000		
	Accuracy			0.8	1.0	1.0	1.5		
A5	Weight	60-90		60-90		60-90		50-90	
	Speed	40,000	35,000	45,000	40,000	30,000		38,000	31,000
	Accuracy	0.6	0.6	0.8	1.0	1.0		1.2	1.6
	Weight	90-120		90-120		90-120			
	Speed	45,000	40,000	42,000	38,000	28,000			
	Accuracy	0.6	0.6	0.9	1.2	1.0			
A5	Weight			30-60		30-60			
	Speed			39,000	36,000	23,000	22,000		
	Accuracy			0.7	1.0	1.0	1.5		
	Weight	60-90		60-90		60-90		50-90	
	Speed	36,000	32,000	45,000	36,000	27,000		30,000	
	Accuracy	0.8	1.5	0.8	1.0	1.5		1.6	
A5	Weight	90-120		90-120					
	Speed	40,000	35,000	40,000					
	Accuracy	0.8	1.5	1.0					

Legend

1. **Format:** 8pp SG = 8 page short grain. Cut-off 451mm, web width 660 or 670mm. Maximum speed is 45,000 cyl revs/hr.

2. **Format** 16 pp LG = 16 page long grain. Usually has cut off of 620, 625 or 630mm with a web width of 960mm.

Accuracy given is for one chopper fold only.

3. **Weight** is in gsm

4. **Speed** is in plate cylinder revolutions/hr

5. **Accuracy** is in mm or parts of a mm. Tolerances are \pm in relation to the theoretical position of the fold for a given format.

Notes The 16pp press offers maximum flexibility, compared to 8 and 32pp short grain presses. However, a double chopper folder is required to reach speeds of over 45,000 cyl revs/hr.

The classic 32pp press also offers high flexibility as long as it is run with one web only.

The short grain 32pp press obviously has limited flexibility and is intended for very specific target markets and clients.

Paper weights of 60-90gsm are perfectly adapted to most applications. Low weight papers can cause folder handling problems and cannot be run at full speed. Heavier papers of 90-120gsm are easier to handle in the folder and only reduce speeds slightly. However, fold accuracy is not so high as with lighter papers.