

# Gages for Printing Inks

The reliable, easy-to-use **NPIRI Production Grindometer** measures mill performance to decrease the inkmaker's labor costs, capital investment and power requirements.

The Grindometer consists of a machined block, grooved for sample ink, and an A-1 scraper for draw down. Grooves are one inch wide and 25 microns deep at the top. The tapered paths are graduated from one to ten according to depth, in ten thousandths of an inch increments. The A-1 scraper has two edges which are rounded to a 15 mil radius—rounded edges increase wear life compared to a sharp edge by reducing the effect of operators using varying blade angles. An extra scraper should be kept on hand as a master.

## Ink Gage Kit (a)

Includes G-1 gage in a wooden case and A-1 scraper in a vinyl case.

## Wedge Printing Plate (b)

The Wedge Printing Plate is used for quick and easy proof press testing of stocks and inks. It is especially effective in the routing production of standard prints having controlled ink film thickness. Stock ink combinations can be tested for print quality, as well as other performance properties such as gloss, holdout, drying time, varnishability, rub or fade resistance.

The plate consists of precision grooves which are inked with a hand-drawn scraper. Ink is laid down and cleaned up quickly, film thickness is controlled at known levels and variables of roller distribution are eliminated.

Models for variable film thickness produce a continuous range of film thickness in a single impression. Uniform film thickness models are used when testing for a large print area. A multi-path uniform model allows several different levels of uniform film thickness to be proofed simultaneously.

## Ink Gages

Catalog Number	Block Size	Path Size	No. of Paths
G-1	3/4 x 3-1/2 x 9-1/2"	1 x 6-1/4"	2
G-2	3/4 x 3-1/2 x 9-1/2"	1 x 6-1/4"	2
G-3	3/4 x 3-1/2 x 9-1/2"	1 x 6-1/4"	2
SI-1	1/2 x 2-1/2 x 8"	1/2 x 6-1/4"	2
SI-2	1/2 x 2-1/2 x 8"	1/2 x 6-1/4"	2
SI-3	1/2 x 2-1/2 x 8"	1/2 x 6-1/4"	2

Catalog Number	Scales	Range	Usual Application
G-1/SI-1	NPIRI Microns	0-10 0-25	General Ink Gage
G-2/SI-2	NPIRI Microns	0-20 0-50	Flexco Etc.
G-3/SI-3	NPIRI Microns	0-30 0-75	Coarser Inks

## Wedge Printing Plates

Name or Number	Block Size	Path Size	Number of Paths	Scales	Range	Comments
<b>Variable Film Thickness</b>						
NPIRI-A	3-1/2 x 9-1/2"	1 x 6-1/4"	2	NPIRI Micron	0-10 0-25	
NPIRI-B	4-1/2 x 9-1/2"	1-1/2 x 6-1/4"	2	Micron Actual Depth	0-12 0-15	Marking at 80% fillage. Not marked.
<b>Uniform Film Thickness</b>						
FPBAA-C*	6-1/2 x 4"	1-1/2 x 4"	3	Mils	0.2 0.4 0.6	
6960-1	6-1/2 x 4"	1-1/2 x 4"	3	Mils	0.2 0.3 0.4	
6960-2	6-1/2 x 4"	1-1/2 x 4"	3	Mils	0.5 0.6 0.7	
Warren-2	4 x 6 1/2 or 7-1/2"	3 x 6 1/2 or 7-1/2"	1	Mils	0.3	No marked scale.
Warren-3	4 x 6 1/2 or 7-1/2"	3 x 6-1/2 or 7-1/2"	1	Mils	0.4	No marked scale.
Warren-4	4 x 6 1/2 or 7-1/2"	3 x 6-1/2 or 7-1/2"	1	Mils	0.5	No marked scale.
Warren-5	4 x 6 1/2 or 7-1/2"	3 x 6-1/2 or 7-1/2"	1	Mils	0.6	No marked scale.
Lindner	5 1/2 x 8 or 6-1/2"	2 x 8 or 6-1/2"	2	Microns	15	No marked scale.
BSI-10	5 1/2 x 8 or 6-1/2"	2 x 8 or 6-1/2"	2	Microns	10	No marked scale.
<b>Combination Uniform and Variable Film Thickness</b>						
6401	5 1/2 x 8	2 x 8" 2 x 6-1/4"	2	Microns	15 0-15	No marked scale. Graduated micron scale marked

Note: All models are type high, .916/.918" thickness.

\* Each path has a uniform film thickness, but the thickness is different in each path. Any other combinations may be ordered.

