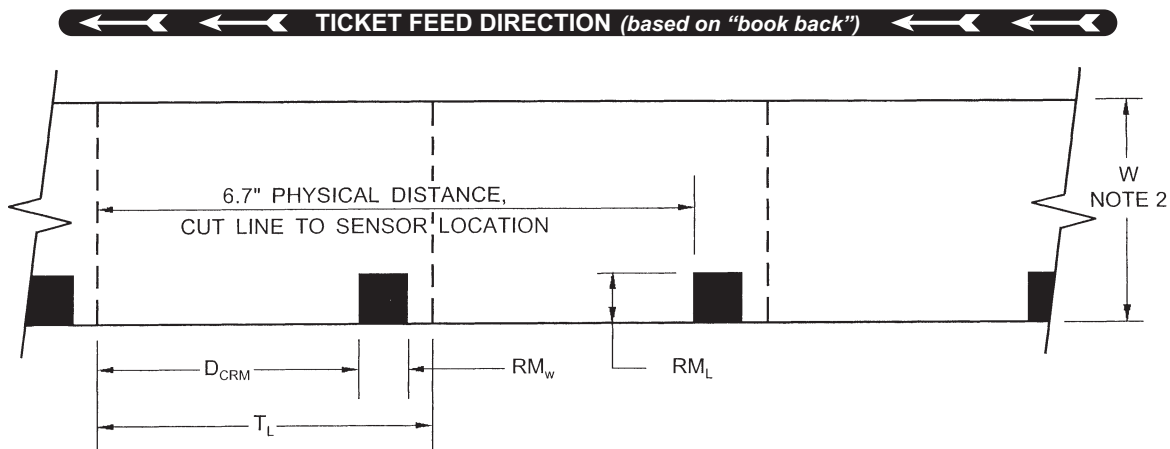




BAR LOCATION FORMULA

for
BOCA: ETX Machines
PRACTICAL AUTOMATION: ETX, ITX, GTX, ITL Machines



REGISTRATION MARK:

1/5 of light background, yielding 5:1 contrast ratio to infrared light

NOTE

To avoid having the registration mark printed over the cut line (perforation), the ticket length (T_L) must be:

$$T_L \geq (D_{CRM} + RM_w)$$

or

$$T_L \leq D_{CRM}$$

REGISTRATION MARK MUST BE POSITIONED ACCORDING TO FOLLOWING FORMULA:

$$D_{CRM} = 6.7" - (T_L \times m)$$

Where:

D_{CRM} = distance from cut line to registration mark

T_L = ticket length in inches

RM_w = registration mark width (.375" min.)

6.7" = mechanical separation from cut line to sensor

$m = 6.7"/T_L$ (multiple of tickets within 6.7" separation; integer value)

Examples:

$$T_L = 5.5"$$

$$m = 6.7"/5.5" = 1$$

$$D_{CRM} = 6.7" - (5.5 \times 1) = 1.2"$$

$$T_L = 2.5"$$

$$m = 6.7"/2.5" = 2$$

$$D_{CRM} = 6.7" - (2.5 \times 2) = 1.7"$$



This sample layout has been done on a "LEGAL" page size. If printing, to ensure accuracy of measurements, the box this is enclosed in should measure 12.5" x 0.25"

