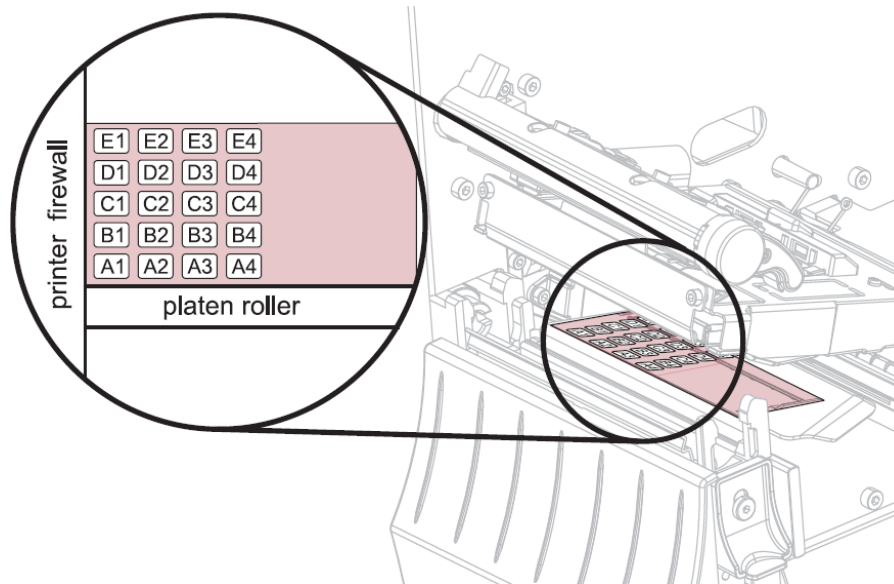


Specifying inlay placement for ZT400 and ZT600 RFID printers

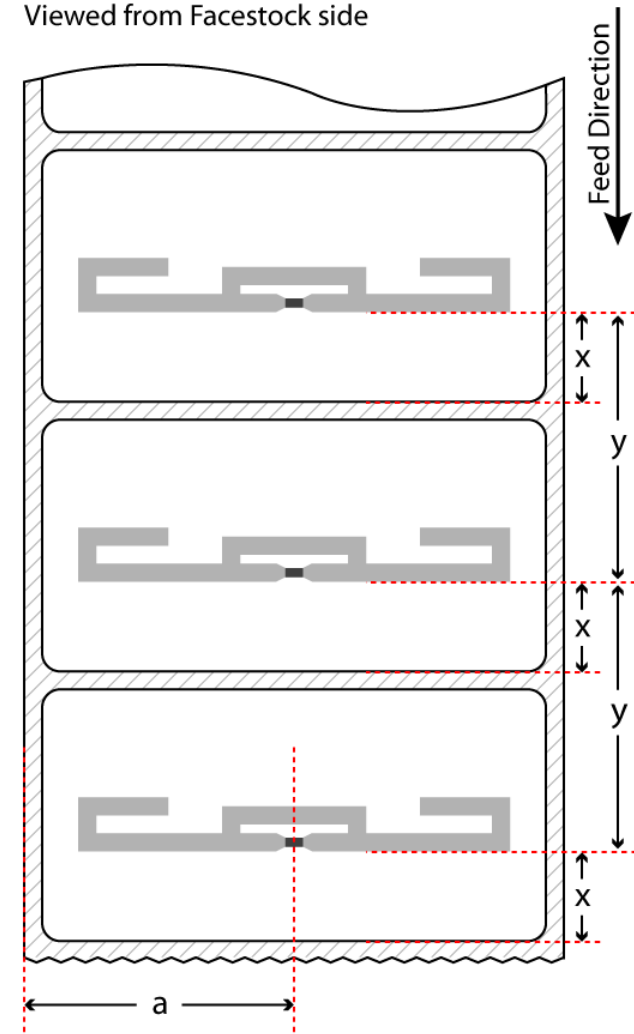
The Zebra ZT400 and ZT600 Series RFID printers do not require specific inlay placements. Adaptive encoding technology automatically selects the optimal RFID settings for the inlay being used. Zebra's adaptive array antenna consists of 20 individual encoding elements spaced as shown in the diagram below. See the RFID ZPL Programming Guide 3 for more details.

Best practices when specifying RFID media for ZT400 and ZT600 Series RFID Printers:

- The columns of the encoding array are spaced to support inlays centered on media widths of 1", 2", 3", and 4". Inlays should be placed at 0.5", 1", 1.5" or 2" from the left liner edge (parameter 'a' in the diagram on the right), with a tolerance of +/- 3mm. Some inlays work reliably outside this tolerance.
- Labels with a pitch of less than ~1" (parameter 'y' in the diagram on the right) **may** require the printer to backfeed a short distance prior to encoding. If necessary, RFID calibration will automatically select the backfeed distance.
- For labels longer than ~1", place inlays at least 15 mm from the leading edge of the label (parameter 'x' in the diagram on the right).
- The same antenna array is used in the 6" wide ZT420 and ZT620 RFID printers and the same recommendations apply.



Viewed from Facestock side



Parameter	Name	Definition
a (mm)	Inlay Center	Left liner edge to inlay center.
x (mm)	Inlay Position	Label Start to inlay antenna leading edge
y (mm)	Inlay Pitch	Inlay antenna leading edge to inlay antenna leading edge.

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