

Mi-Plus® Construction Styles



Do not open Non-Expandable One-Piece Mi-Plus Band Heaters during installation. Opening this construction style will cause internal damage.



Shown with Type NB Built-In Strap

MI-PLUS BAND HEATERS...



Note: Refer to page 1-4 for complete Limitations on Physical Size Construction.

Non-Expandable One-Piece Band Construction

One-piece heaters are the most efficient construction, as they provide the most heated surface area. This style can only be used where the entire heater can be slipped over the end of the barrel. One-piece heaters have built-in, full-width clamping bars.



Shown with Type NS Built-In Strap

Two-Piece Band Construction

Two-piece construction satisfies the need for a heater that can be placed anywhere along the machine barrel with a minimum of time and labor. Two-piece construction is recommended for larger diameter heaters because two-piece construction employs two sets of built-in clamps that deliver maximum clamping force.

The two-piece construction style also provides dual voltage capability. The heater halves may be wired together either in series or parallel, providing two voltage options. Two-piece heaters are rated at full voltage and 1/2 the total wattage for each half. On very large custom applications, Tempco may suggest going to multiple Mi-Plus heater segments with spring-loaded clamping.



It is not recommended to open a One-Piece Expandable Band Heater more than two times.

Shown with Type NE Built-In Strap

One-Piece Expandable Band Construction

The expandable construction style allows the heater to be opened up and placed anywhere along the machine barrel, as well as minimizes the unheated area as compared to a two-piece heater.

With two heater circuits in a common case this heater naturally lends itself to a dual voltage system, a 240/480 volt package being the most common. When wired in parallel these heaters can run at 240 volts, and when wired in series, at 480 volts.

Expandable heaters are rated for each circuit at full voltage and one half of the total wattage.