

THINBAND Mica Band Heaters

THINBAND® Mica Barrel and Nozzle

The THINBAND® heater is patented redesign of the mica band. THINBAND heaters deliver fast and install easily, keeping costs down and machines running.

- Sheath temperatures to 480°C (900°F)
- Watt densities to 55 W/in² (8.5 W/cm²)



Features and Benefits

Flexible, one-piece design

- Makes installation easier on plastic processing equipment because it can open to full diameter of the barrel without internal damage to the heater
- Installs on a barrel without removing other band heaters already in place

Only one set of leads or terminals

- Cumbersome, two-piece replacement band heaters with straps require two sets

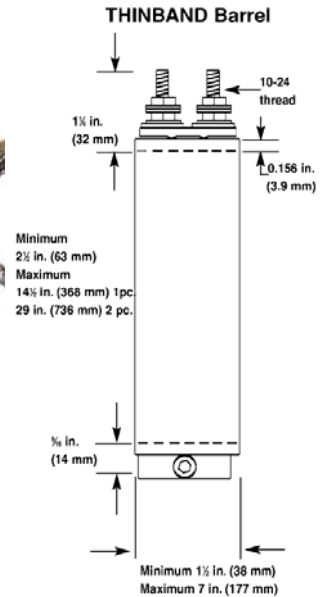
Quick clamp

- Opens to fit over barrels and snaps in place with one easy flip of its latching lever
- No need to remove other heaters

Permanently attached clamping bars

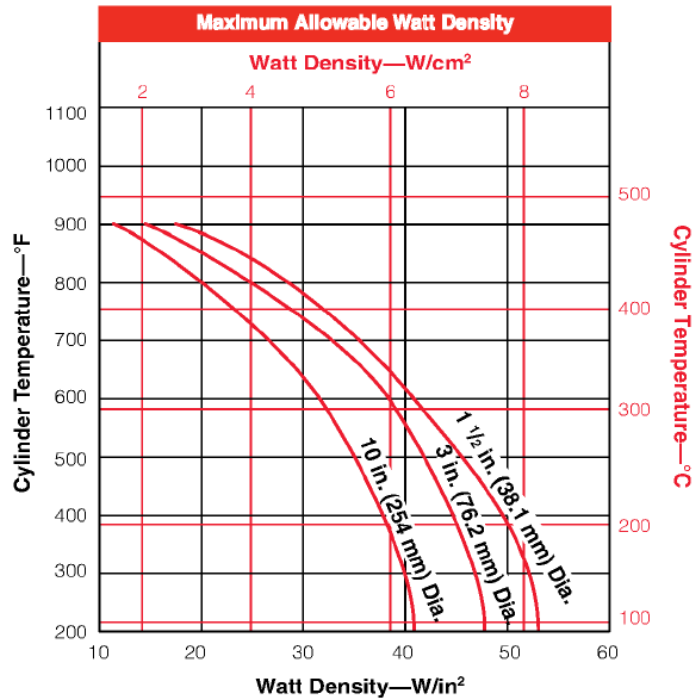
No folds on the outside of the heater

- Contamination resistance



Applications:

- Extruders
- Blown Film Dies
- Injection Molding machines
- Other cylinder heating applications



No-Heat Area for THINBAND Barrel (All Terminations)

| Heater Type | Heater Size | | No-Heat Area Standard Gap % in. (mm) |
|-------------|------------------------|--------------------|--------------------------------------|
| | Diameter in. (mm) | Width in. (mm) | |
| One Piece | Less than 2 1/2 (63.5) | Up to 7 (177.8) | 1 1/2 (31.75) x width |
| Two Piece | 5 (127) or more | More than 3 (76.2) | 2 1/2 (63.5) x width |

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Band Heaters

THINBAND Mica Barrel and Nozzle

Barrel Heater QUICK CLAMP Option

With QUICK CLAMP, the THINBAND heater can be secured tightly in place in a matter of seconds. The spring-loaded clamp secures the heater tightly around the barrel with an easy flip of the lever.

Features and Benefits

- THINBAND with QUICK CLAMP fits over barrels and snaps in place with easy flip of its latching lever.
- Hot change-outs are completed in seconds.
- Spring tensioned clamp keeps the THINBAND heater tight against barrel—will not loosen over time.
- Ideal for vertical applications.
- Available on selected stock and made-to-order THINBAND barrel heaters—minimum 4 inch (100 mm) diameter, 1 1/2 inch (38 mm) width.
- Standard gap is 1/2 inch.

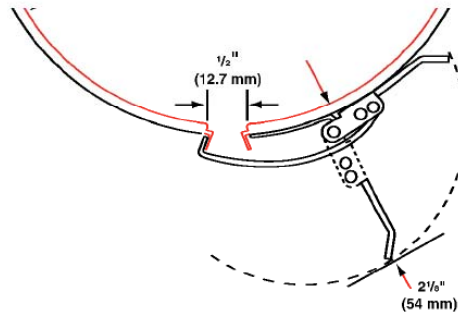
QUICK CLAMP eliminates tools, loose parts and hassle

- THINBAND opens up to fit over barrel. There is no need to remove other heaters.
- One easy flip of the latching lever and QUICK CLAMP shuts, completing installation.



Clearance Dimensions

| Width Range in. (mm) | Number of QUICK CLAMPS | Distance Between Clamps in. (mm) |
|---------------------------------|---------------------------|-------------------------------------|
| 1 1/2 (38.1) to 2 1/16 (69.3) | 1 | NA |
| 2 1/4 (69.9) to 3 1/16 (94.8) | 2 | 1/2 (12.7) |
| 3 1/4 (94.9) to 4 1/16 (120.1) | 2 | 1 (25.4) |
| 4 1/4 (120.6) to 5 1/16 (145.5) | 3 | 1/2 (12.7) |
| 5 1/4 (146.1) to 7 (182.9) | 3 | 1 (25.4) |



Recommended Clamping Options

THINBAND Barrel Products

- Clamp Bars**
- Clamp Bars**
Or QUICK CLAMP
above 4 in. (101.6 mm) diameter
- QUICK CLAMP**
For 2 piece:
Clamp bar at other gap
- Coil Spring**
For 2 piece only:
Clamp bar at other gap

Notes: Widths four inches (101.6 mm) and over add two inches (50.8 mm) to diameter then reference chart clamp selection.

