



# HELIX COILED NOZZLE HEATERS

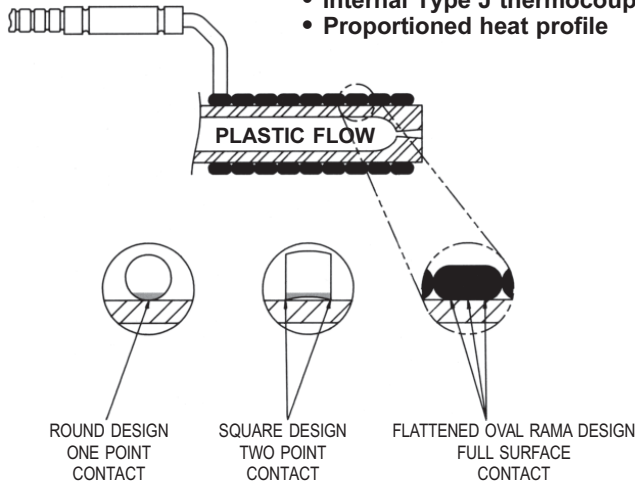
FLATTENED OVAL DESIGN BY RAMA

FOR HOT SPRUE BUSHINGS & EXTERNALLY HEATED MANIFOLD SYSTEMS

Helix heaters are the ultimate design in the coiled type heater market. Their design and technical development gives them longer life due to special features and manufacturing methods that surpass all others. Many features are proprietary and were developed to give you the most efficient design possible.

## RAMA'S BETTER EDGE OVER OTHER ROUND OR SQUARE DESIGNS

- 1000% more surface contact
- Better heat transfer
- Longer heater life
- High temperature connection
- Internal Type J thermocouple
- Proportioned heat profile



## \*DESIGN LIMITS WITH STANDARD MATERIALS

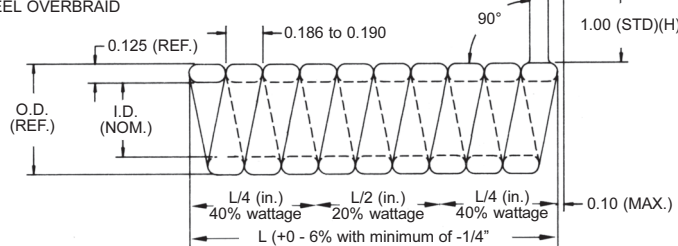
| NOMINAL I.D.<br>FLATTENED | O.D. | LENGTH (L) |     | **WATTS   |           | LEADWIRE                     |
|---------------------------|------|------------|-----|-----------|-----------|------------------------------|
|                           |      | MAX        | MIN | MAXIMUM   | MINIMUM   |                              |
| 0.500 (1/2)               | 0.75 | 5.0        | 1.5 | 177 X (L) | 160 ÷ (L) | 36" LEADWIRE<br>3/4" CONDUIT |
| 0.750 (3/4)               | 1.00 | 5.0        | 1.0 | 248 X (L) | 164 ÷ (L) |                              |
| 0.866 (22mm)              | 1.12 | 4.79       | 1.0 | 280 X (L) | 145 ÷ (L) |                              |
| 0.875 (7/8)               | 1.13 | 4.75       | 1.0 | 282 X (L) | 143 ÷ (L) |                              |
| 0.984 (25mm)              | 1.23 | 4.00       | 1.0 | 317 X (L) | 128 ÷ (L) |                              |

\*\*APPLIES TO TIGHT WOUND HEATERS @ 240V - MAXIMUM TOTAL WATTS IS 900.  
\*REFER TO FACTORY FOR NON-STANDARD DESIGNS.

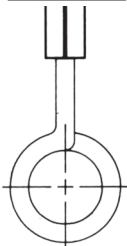
## STANDARD FEATURES

- INTERNAL THERMOCOUPLE
- FLAT COIL DESIGN
- STAINLESS STEEL OVERBRAID

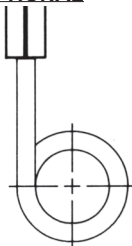
## PROFILED HEAT ZONES



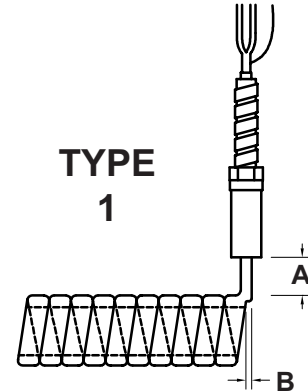
## STANDARD



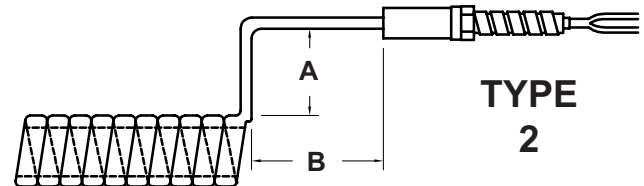
## OPTIONAL



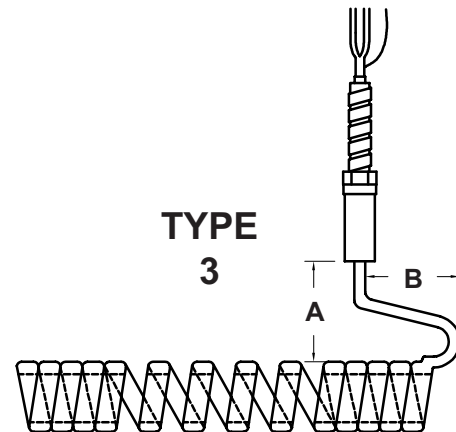
## TYPE 1



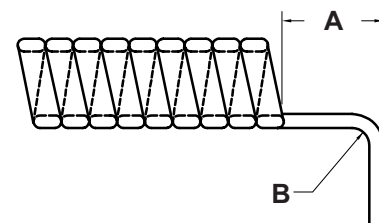
## TYPE 2



## TYPE 3



## TYPE 4



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