

Helping your railroad and rail transit lines remain heated and running 24/7.

Backer Hotwatt has been manufacturing tubular heating elements for for over 50 years, excelling at the custom manufacture of heaters for railways.



Our Distinction in the Industry

- We custom-build heaters to any length and size, along with the largest selection of diameters and alloys available.
- Buying directly from Backer Hotwatt provides better technical support and more customizable options compared to standard heating offerings.
- Our railway product line fills the need for engineered, ruggedized heaters made to customer specifications.
- All units are designed to last dependably through many seasons by using high-quality materials and proprietary manufacturing techniques.
- Backer Hotwatt heaters perform in the harshest conditions and are the most rugged and longest-lived heaters on the market; this, combined with an affordable price, provide you the optimal solution.



[Click here for more product and application info on our comprehensive resources page](#)

Railway Heating Products and Applications

- Flat Tubular Switch Point Heaters
- Round Tubular Switch Point Heaters
- Crib Heaters (Switch Rod Heaters)
- Running Rail Heaters
- Ballast Heaters
- Hollow Steel Ties

Custom-Heating Solutions for Your Critical Requirements

Precision heating, tight tolerances, and extreme reliability are all characteristics that need to be custom designed into solutions for your critical applications. Our engineers work in close collaboration with your team to meet all performance, physical, and regulatory requirements to ensure a successful product launch and commercialization.

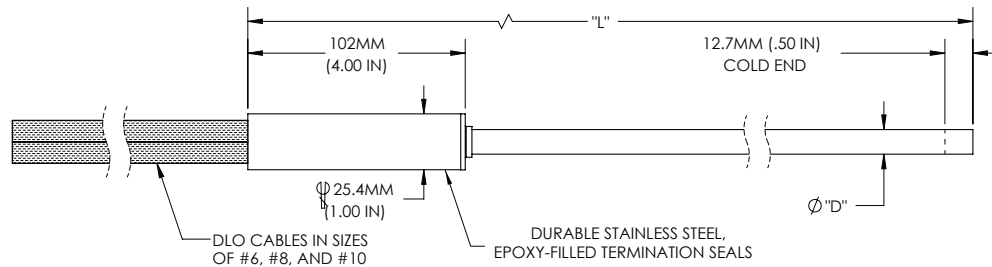
Backer Hotwatt solves challenging problems with unique solutions that our competitors won't, or can't, provide. We're here to help you design and manufacture the best heater for your demanding and precise needs.

How can we help you with your next heating project? [Contact an engineer today](#) to set up an exploration consultation. We look forward to helping you soon.

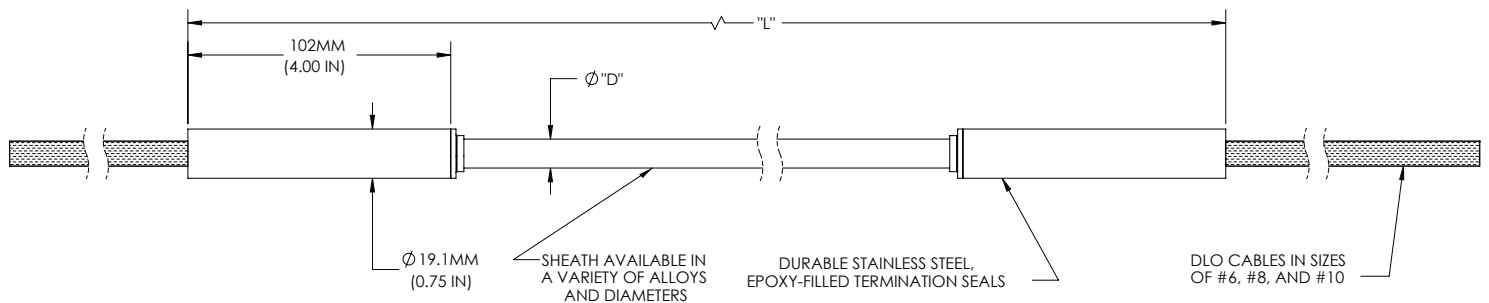
Product Specifications

Type	Length	Dia. ("D")	Terminations & Leads	Heater Materials	Comments
Flat Switch	< 33' < 50' w/splice	.355" x .670" .340" x .625"	- 6/8/10 AWG - Stainless steel sleeve w/epoxy potting - Continuous to any length - Quick disconnects	Incoloy 300 Stainless	- Available in single or double-ended
Round Switch	< 33' < 50' w/splice	.43"/.49"/.625"			- Anti-creep collars
Crib Heaters	Steel Channel Length: 5', 8', 12' standard Custom lengths up to 15'6"	Channel Dim: 5" width x 1.75" tall Heater Dia: .43" / .49"			- Available with or without stainless steel (mesh) cover
Frog Heaters	3' & 12'	.43"/.49"/.625"			- Single-ended leads
Running Rail	< 33' < 50' w/splice	.355" x .670"			
Ballast Heaters	U-bend or custom shapes	.43" / .49"			
Hollow Steel Tie Heaters	7' to 10'	.43" / .49"			

Round Switch (single-ended), Frog Heaters, and Hollow Steel Tie Heaters



Round Switch (double-ended), Frog Heaters, and Hollow Steel Tie Heaters



Crib Heater

