



EXPANDABLE / SPLIT SHEATH CARTRIDGE HEATERS



INFORMATION

MPI Morheat has recently added Expandable / Split Sheath Cartridge Heaters to our product line!

There are a couple of main reasons why you might want to try Expandable / Split Sheath Cartridge Heaters for your application:

1. Tight contact with bores eliminates air gaps and increases the life of the heater
2. Can be used in oversized or worn out bores without eliminating heater life
3. The heater contacts when it cools down for faster removal
4. There is no cold section at the tip of the heater unlike conventional cartridge heaters
5. They are more efficient than standard cartridge heaters and therefore use less power
6. There is a uniform temperature profile along the entire heater due to their construction








DIAMETERS

Diameters	Nominal Diameters	Standard Cold Section at Terminal End	Min – Max Lengths
1/4"	0.245"	5/16"	1" - 22"
3/8"	0.370"	3/8"	1 1/2" – 36"
1/2"	0.495"	5/8"	2" – 50"
5/8"	0.620"	5/8"	2 1/2" – 72"
11/16"	0.683"	5/8"	3 1/2" – 64"
3/4"	0.745"	5/8"	3 1/2" – 90"
1"	0.9925"	1"	8" – 60"
8.0 mm	7.875 mm	8.000 mm	38 – 660 mm
10.0 mm	9.875 mm	9.500 mm	38 – 915 mm
12.0 mm	11.875 mm	15.875 mm	50 – 1140 mm



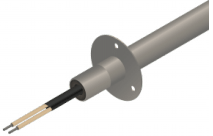

12.5 mm	12.375 mm	15.875 mm	50 – 1140 mm
15.0 mm	14.875 mm	15.875 mm	65 – 1250 mm
16.0 mm	15.875 mm	15.875 mm	65 – 1775 mm
20.0 mm	19.875 mm	15.875 mm	100 – 1825 mm
25.0 mm	24.87 mm	24.5 mm	200- 1525 mm

- LENGTH TOLERANCE is +/- 3% or +/- 3/32, whichever is greater.
- DIAMETER TOLERANCE is ±.002" (1/4" to 3/4"); ±.0025 (1"); ±.05mm (8mm-20mm); ±.06mm (25mm)
- WATTAGE TOLERANCE is +5%, -10%

TERMINATIONS

Common Termination Styles	Picture
High temperature fiberglass leads straight	
Right angle high temperature leads	
SS braided high temperature leads	
Right angle SS braided high temperature leads	
High-temp leads with armor-cable	
Post Terminals	
Flange mounting attachments or stop rings	

SPECIAL CONSTRUCTIONS

Add Ons Features		
Picture	Type	Notes
	Stainless Steel Fittings	Single or Double-ended : 1/8", 1/4", 3/8"NPT 1/2", 3/4", 1"NPT
	Brass Fittings	Single or Double-ended : 1/8", 1/4", 3/8"NPT 1/2", 3/4", 1"NPT
	Flanges	Standard Stainless Steel. Flanges can be round or irregularly shaped.
	Strain Relief	Provides extra support for leads. Great for Flexing applications