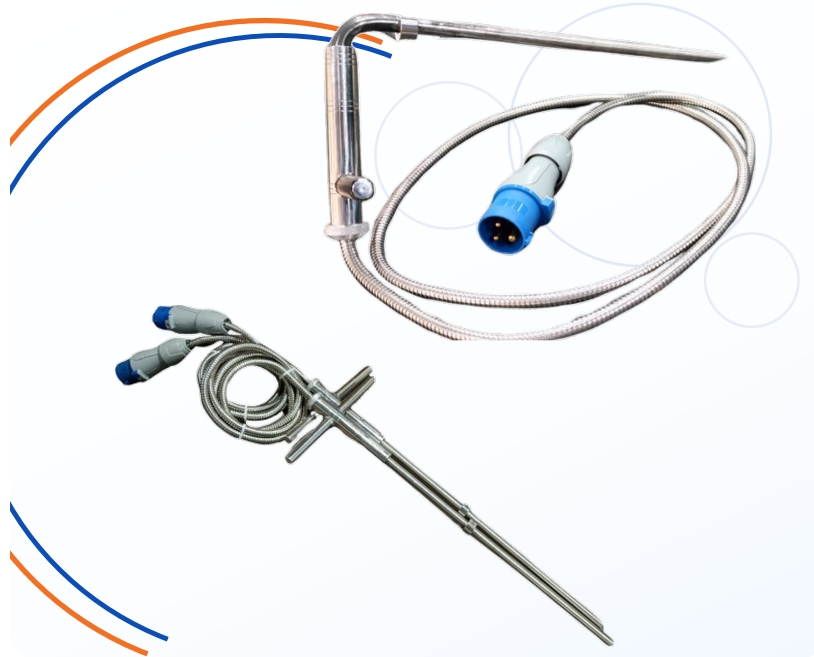


PROCESS HEATING SOLUTION

HIGH DENSITY BOLT HEATER

Rapid Thermal Expansion for Industrial Bolt Maintenance

Specialized electric heaters designed to deliver intense, rapid heat inside hollow bolts or studs, helping achieve controlled thermal expansion for easier tightening and loosening.

RAPID
HEATINGPRECISE
FITHEAVY
DUTYREDUCED
DOWNTIME

APPLICATIONS

Power
Generation

Petrochemical

Heavy
MachineryIndustrial
Maintenance

KEY FEATURES

- High watt density: 50-100 W/in²
- Fast bolt expansion in minutes
- Suitable for large hollow bolts and studs
- Focused heating for precise tensioning
- 110V / 230V compatibility options
- Custom lengths and sizes available

HOW IT WORKS

- 1 Insert the heater into the hollow bolt core
- 2 Apply controlled heat for thermal expansion
- 3 Tighten or loosen the nut while the bolt is expanded

SELECTION GUIDE

Common Bolt Sizes	0.25, 0.375, 0.5, 0.688, 0.938, 1.25 in
Watt Density	50-100 W/in ²
Power Supply	110V / 230V
Fit Tolerance	Within 1/16 in of bolt core
Sheath Option	Incoloy for corrosive / high-temp duty

KEY CONSIDERATIONS

- ✓ Match heater diameter closely to bolt core
- ✓ Select watt density based on required heating speed
- ✓ Verify voltage and environmental suitability
- ✓ Use corrosion-resistant sheath where required
- ✓ Choose ATEX-certified options for explosive environments

FAST HEATING
Quick thermal expansionPRECISE FIT
Optimized bolt-core contactLONG SERVICE LIFE
Durable industrial constructionINDUSTRIAL SUPPORT
Responsive after-saleswww.sensewell.insales@sensewellindia.com+91 9824060315
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