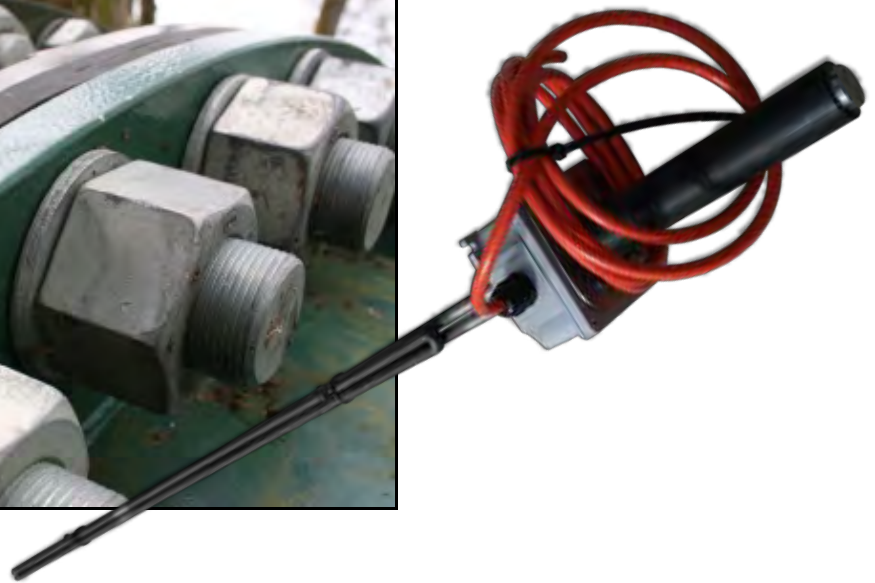


Section 18

Thermalfold Bolt Heaters

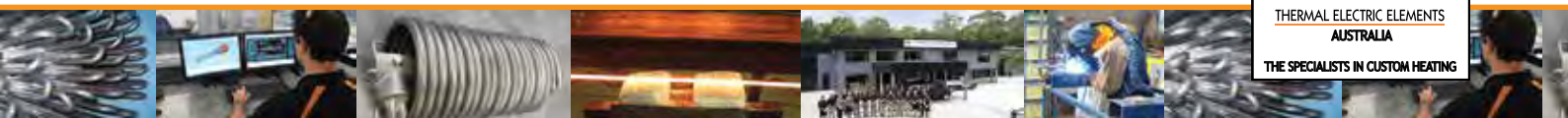


Thermalfold Bolt Heaters
Product Range

Page

18.1

18.2

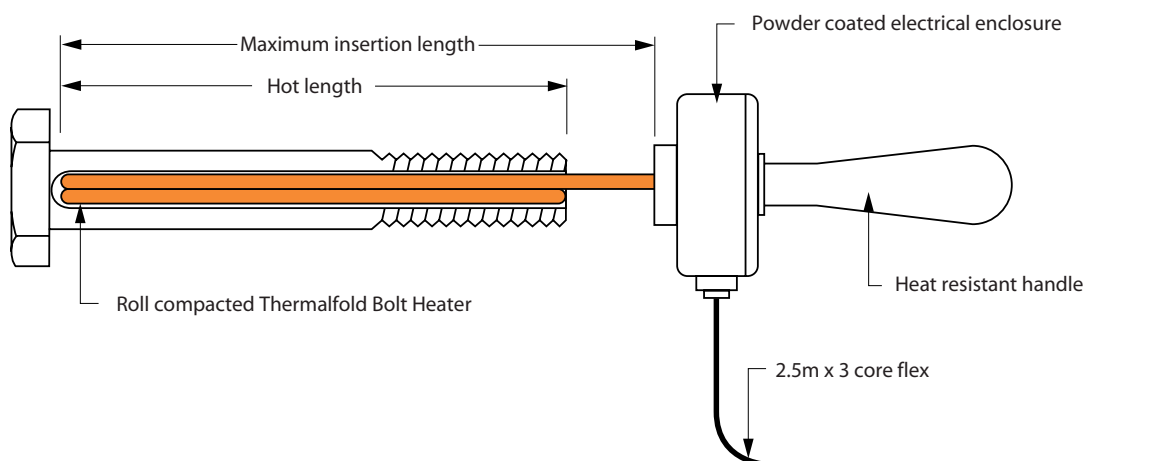


Thermalfold Bolt Heaters

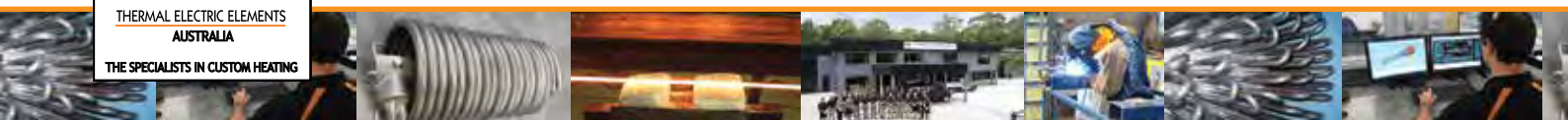
Thermalfold Bolt Heaters are used as an aid to tighten large bolts in heavy machinery and equipment. When inserted into a drilled hole in the bolt, the Thermalfold Bolt Heater rapidly heats the bolt, causing expansion and increasing the bolts length. This allows the nut to be further tightened. When the heater is switched off and removed, the bolt begins to cool and contracts to its original length, ensuring an extra tightened assembly.

Thermalfold Bolt Heaters are of a unique design and can be used in holes which have been drilled up to 0.5mm larger than the bolt heater diameter. When energised, the elements heat up and spring open due to their folded construction. This ensures a quick heat transfer to the bolt. While in the heated condition they are a snug fit and impossible to remove. On cooling, Thermalfold Bolt Heaters contract back to their original diameter and become very easy to remove. Conventional bolt heaters will fail under these conditions. A roll compacted high grade stainless steel construction enables a maximum heater temperature of 600°C giving a faster heat up time, with minimum heat transfer or loss to the area surrounding the bolt.

Bolt heaters are used in industries such as building and construction, boiler manufacturing, power plants, mining, shipyards, large machine and die manufacturers. Typical applications include large compressors, turbines, pressure vessels, steam generators, engine heads, large cylinders and die blocks.



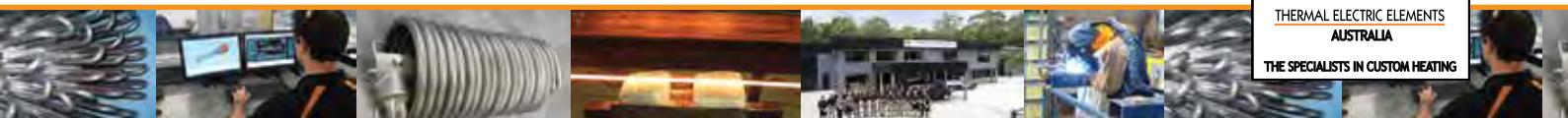
Typical TEE Bolt Heater Design



Product Range

Diameter	Hot Length	Insertion Length	Watts	Part #	Type	W/in ²
8mm Ø	250	325	500	BOH825	Split - 5mm	41
	500	575	1000	BOH850	Split - 5mm	41
	750	825	1500	BOH875	Split - 5mm	41
	1000	1075	2000	BOH8100	Split - 5mm	41
	1250	1325	2500	BOH8125	Split - 5mm	41
	1500	1575	3000	BOH8150	Split - 5mm	41
	1750	1825	3500	BOH8175	Split - 5mm	41
	2000	2075	4000	BOH8200	Split - 5mm	41
11mm Ø	250	325	500	BOH1125	Split - 5mm	41
	500	575	1300	BOH1150	Split - 6.35mm	42
	750	825	2000	BOH1175	Split - 6.35mm	42
	1000	1075	2500	BOH11100	Split - 6.35mm	42
	1250	1325	3250	BOH11125	Split - 6.35mm	42
	1500	1575	4000	BOH11150	Split - 6.35mm	42
	1750	1825	4750	BOH11175	Split - 6.35mm	42
	2000	2075	5000	BOH11200	Split - 6.35mm	42
13mm Ø	250	325	750	BOH1325	Foldback - 6.35mm	26
	500	575	1500	BOH1350	Foldback - 6.35mm	26
	750	825	2000	BOH1375	Foldback - 6.35mm	26
	1000	1075	3000	BOH13100	Foldback - 6.35mm	26
	1250	1325	3750	BOH13125	Split - 6.35mm	62
	1500	1575	4500	BOH13150	Split - 6.35mm	62
	1750	1825	5250	BOH13175	Split - 6.35mm	62
	2000	2075	6000	BOH13200	Split - 6.35mm	62
17mm Ø	250	350	850	BOH1725	Foldback - 7.9mm	22
	500	600	1700	BOH1750	Foldback - 7.9mm	22
	750	850	2500	BOH1775	Foldback - 7.9mm	22
	1000	1100	3500	BOH17100	Split - 7.9mm	46
	1250	1350	4250	BOH17125	Split - 7.9mm	46
	1500	1600	5000	BOH17150	Split - 7.9mm	46
	1750	1850	6000	BOH17175	Split - 7.9mm	46
	2000	2100	7000	BOH17200	Split - 7.9mm	46

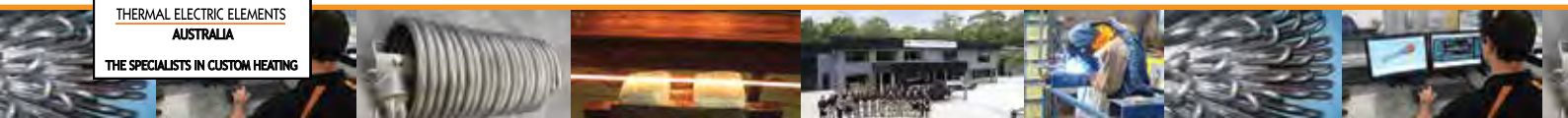
Please note: Special wattages, voltages, diameters and lengths are available and manufactured to suit your requirements - Call Thermal with your specific details and we will design it for you.



Product Range - continued

Diameter	Hot Length	Insertion Length	Watts	Part #	Type	W/in ²
20mm Ø	250	350	1250	BOH2025	Foldback - 7.9mm	32
	500	600	2500	BOH2050	Foldback - 7.9mm	32
	750	850	3750	BOH2075	Foldback - 7.9mm	32
	1000	1100	5000	BOH20100	Foldback - 7.9mm	32
	1250	1350	6250	BOH20125	Foldback - 7.9mm	32
	1500	1700	7500	BOH20150	Foldback - 7.9mm	32
	1750	1950	8750	BOH20175	Foldback - 7.9mm	32
	2000	2200	10000	BOH20200	Foldback - 7.9mm	32
25mm Ø	500	600	2500	BOH2550	Foldback - 10.7mm	24
	750	850	3750	BOH2575	Foldback - 10.7mm	24
	1000	1100	5000	BOH25100	Foldback - 10.7mm	24
	1250	1450	6250	BOH25125	Foldback - 10.7mm	24
	1500	1700	7500	BOH25150	Foldback - 10.7mm	24
	1750	1950	8750	BOH25175	Foldback - 10.7mm	24
	2000	2200	10000	BOH25200	Foldback - 10.7mm	24
	32mm Ø	500	650	2500	BOH3250	Foldback - 10.7mm
750		900	3750	BOH3275	Foldback - 10.7mm	24
1000		1050	5000	BOH32100	Foldback - 10.7mm	24
1250		1450	6250	BOH32125	Foldback - 10.7mm	24
1500		1700	7500	BOH32150	Foldback - 10.7mm	24
1750		1950	8750	BOH32175	Foldback - 10.7mm	24
2000		2200	10000	BOH32200	Foldback - 10.7mm	24

Please note: Special wattages, voltages, diameters and lengths are available and manufactured to suit your requirements - Call Thermal with your specific details and we will design it for you.



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