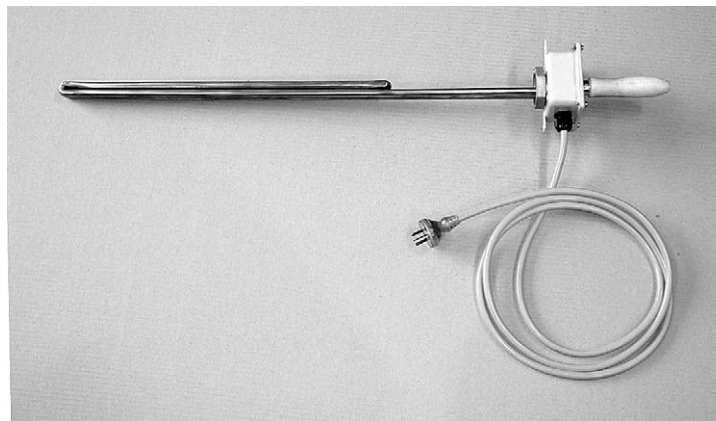




THERMAL ELECTRIC ELEMENTS  
AUSTRALIA



## Thermal Fold Bolt Heaters

Product

Thermal Fold Bolt Heaters

Page No.

15.1

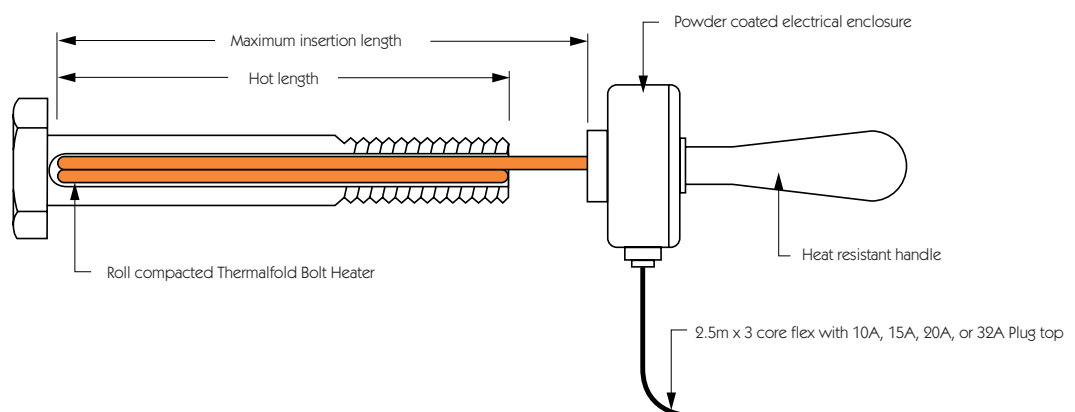
# 15.1

## 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. Whilst 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 S.S. 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.



# 15.2

Dia	Hot length	Insertion length	Watts	Part number	Type	W/in <sup>2</sup>
8mm Ø	250	325	500	BOH 825	Split - 5mm	41
	500	575	1000	BOH 850	Split - 5mm	41
	750	825	1500	BOH 875	Split - 5mm	41
	1000	1075	2000	BOH 8100	Split - 5mm	41
	1250	1325	2500	BOH 8125	Split - 5mm	41
	1500	1575	3000	BOH 8150	Split - 5mm	41
	1750	1825	3500	BOH 8175	Split - 5mm	41
	2000	2075	4000	BOH 8200	Split - 5mm	41
11mm Ø	250	325	500	BOH 1125	Split - 5mm	41
	500	575	1300	BOH 1150	Split - 6.35mm	42
	750	825	2000	BOH 1175	Split - 6.35mm	42
	1000	1075	2500	BOH 11100	Split - 6.35mm	42
	1250	1325	3250	BOH 1125	Split - 6.35mm	42
	1500	1575	4000	BOH 1150	Split - 6.35mm	42
	1750	1825	4750	BOH 1175	Split - 6.35mm	42
	2000	2075	5000	BOH 11200	Split - 6.35mm	42
13mm Ø	250	325	750	BOH 1325	Foldback - 6.35m	26
	500	575	1500	BOH 1350	Foldback - 6.35mm	26
	1000	825	3000	BOH 13100	Foldback - 6.35mm	26
	1250	1075	3750	BOH 13125	Split - 6.35mm	62
	1500	1325	4500	BOH 13150	Split - 6.35mm	62
	1750	1825	5250	BOH 13175	Split - 6.35mm	62
	2000	2075	6000	BOH 13200	Split - 6.35mm	62
	17mm Ø	250	350	850	BOH 1725	Foldback - 7.9mm
500		600	1700	BOH 1760	Foldback - 7.9mm	22
750		850	2500	BOH 1785	Foldback - 7.9mm	22
1000		1100	3500	BOH 17110	Split - 7.9mm	46
1250		1350	4250	BOH 17135	Split - 7.9mm	46
1500		1600	5000	BOH 17160	Split - 7.9mm	46
1750		1850	6000	BOH 17185	Split - 7.9mm	46
2000		2100	7000	BOH 17210	Split - 7.9mm	46
20mm Ø	250	350	1250	BOH 2035	Foldback - 7.9mm	32
	500	600	2500	BOH 2060	Foldback - 7.9mm	32
	750	850	3750	BOH 2085	Foldback - 7.9mm	32
	1000	1100	5000	BOH 20110	Foldback - 7.9mm	32
	1250	1350	6250	BOH 20135	Foldback - 7.9mm	32
	1500	1700	7500	BOH 20170	Foldback - 7.9mm	32
	1750	1950	8750	BOH 20195	Foldback - 7.9mm	32
	2000	2200	10000	BOH 20220	Foldback - 7.9mm	32
25mm Ø	500	600	2500	BOH 2560	Foldback - 10.7mm	24
	750	850	3750	BOH 2585	Foldback - 10.7mm	24
	1000	1100	5000	BOH 25110	Foldback - 10.7mm	24
	1250	1450	6250	BOH 25145	Foldback - 10.7mm	24
	1500	1700	7500	BOH 25170	Foldback - 10.7mm	24
	1750	1950	8750	BOH 25195	Foldback - 10.7mm	24
	2000	2200	10000	BOH 25220	Foldback - 10.7mm	24
32mm Ø	500	650	2500	BOH 3265	Foldback - 10.7mm	24
	750	900	3750	BOH 3285	Foldback - 10.7mm	24
	1000	1050	5000	BOH 32105	Foldback - 10.7mm	24
	1250	1450	6250	BOH 32145	Foldback - 10.7mm	24
	1500	1700	7500	BOH 32170	Foldback - 10.7mm	24
	1750	1950	8750	BOH 32195	Foldback - 10.7mm	24
	2000	2200	10000	BOH 32220	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.