

BAND-IT®



Shield-Lok™

Sacrificial Boiler Tube Shield Attachments – a quick, reliable way to attach sacrificial shields that LAST!!!



Introducing the BAND-IT® Boiler Tube Shield Attachment

The NEW, patent pending, Shield-Lok™ boiler tube shield clamp is specifically designed to allow boiler operators and maintenance personnel to quickly and easily install new sacrificial shields in all areas of a plant.

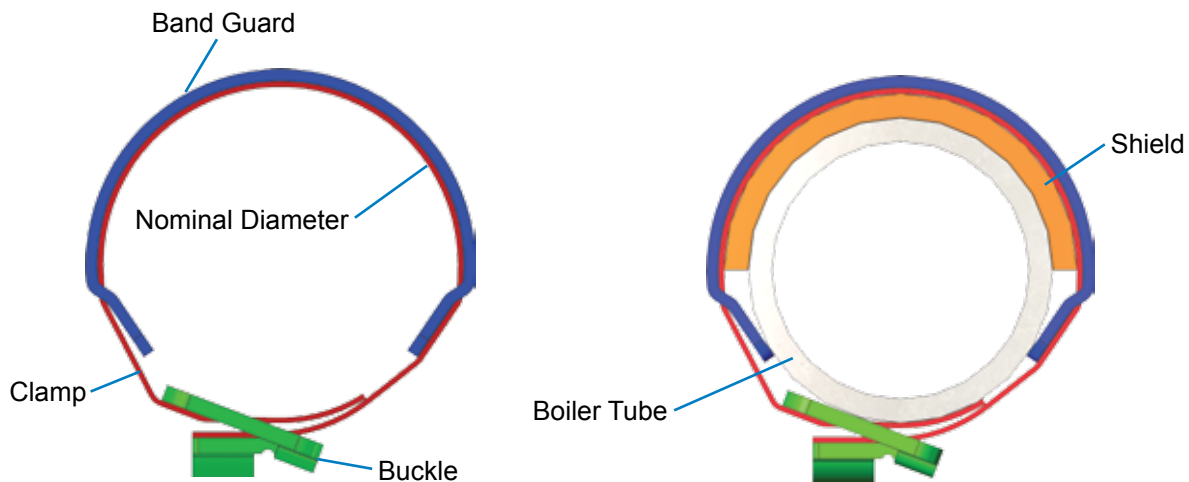
- **Quicker and easier installation than welding.** The Shield-Lok™ clamp eases installation and reduces the time to install when compared to a welded strap or seam weld.
- **Increase Labor efficiency.** Reduce the level of skill required to install. Utilise highly skilled boiler makers in the areas of the plant during overhaul where they are most needed!
- **Protection from the abrasive nature of fly ash** found in combustion flow and erosion due to soot blowers in high ash areas. The Shield-Lok™ clamp guard is made from 310 stainless steel, which is erosion resistant in such harsh environments.
- **Reduce shield overheating and failure due to thermal loads.** The two piece construction of the Shield-Lok™ clamp allows quick and efficient pull of any shield into place increasing thermal transfer from the shield to the tube.
- **Reduction in inventory!** Because the Shield-Lok™ clamp is constructed of 310 stainless steel, the same materials used in the superheater section of the boiler, one clamp fits all areas of the boiler.

Shield-Lok™ Boiler Tube Shield Attachment System

Shield-Lok™ Clamps with Guard



- Proven clamp design based on the ULTRA-LOK® clamp used in various industries for over 15 years
- Designed for severe heat, abrasion, and corrosion resistance with its 310 and 301 stainless steel composition
- Cutoff and lock design maximises worker safety
- Clamp and lock are shielded from abrasion
- Clamp performance not affected by thermal cycling
- High clamping force – over 500 pounds (2.2kn) of retained clamping force
- Comes in a wide variety of sizes to accommodate tube and shield diameters



Shield-Lok™ Clamp Product Matrix

Part No.	Nominal Clamp Diameter (mm)	Tube Diameter (mm)			33.7			38			40			42			44.5			51			57			63			76			88			100		
		Tube Diameter (in)			1.33			1.50			1.56			1.63			1.75			2.00			2.25			2.50			3.00			3.50			4.00		
		Shield Thickness (mm)			3	5	7	3	5	7	3	5	7	3	5	7	3	5	7	3	5	7	3	5	7	3	5	7	3	5	7	3	5	7			
SL010	33.7																																				
SL020	38																																				
SL030	44.5																																				
SL040	50																																				
SL050	57																																				
SL060	65																																				
SL070	78																																				
SL080	88																																				
SL090	100																																				

Clamps are designed to work with 180° shields. Contact factory for other shield styles.

SL4000™ Installation Tool

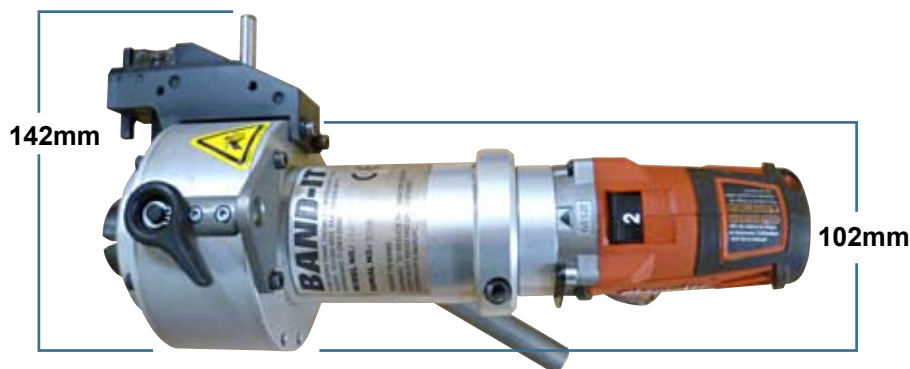
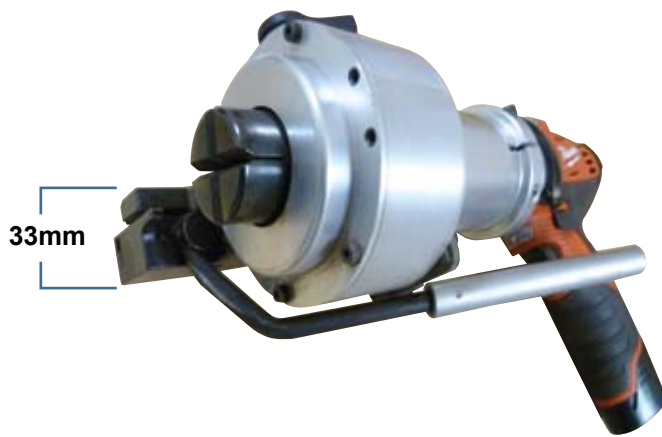
NEW, patent pending, SL4000™ tool is specifically designed for quick installation of the Shield-Lok™ system. The special design allows easy installation in very tight boiler tube configurations.



- Rugged carrying case with charger and extra battery
- Left and right hand tools included in tool pack

Total Fastening Solutions

Shield-Lok™ Boiler Tube Shield Attachment System



- The overall length of 269mm allows the tool to be used in most tube stacks, allowing quick access during overhauls and general maintenance activities.
- Two Lithium-ion batteries allow for quick recharges and increased productivity.
- High strength and impact resistant components are designed and built for severe working environments. Tool materials and finishes are corrosion resistant and the bearing and gearbox are sealed.
- Planetary gearbox optimises torque and speed for maximum clamping strength and fast installation.
- The nose of the tool allows the clamp to be installed with tube spacing of 38mm.
- Easy to use cut-off system creates a high strength lock and cuts-off clamp tail leaving a low profile clamp with minimal flow disruption.
- Less problem of dropping! Lanyard attachment allows tool to be safely used at high working heights.