



PINBRAZING SPECIALISTS
PIPELINE AND CATHODIC PROTECTION EQUIPMENT CATALOGUE



Represented in Australia & New Zealand by:



and



Foreword

We have always believed that the simplest way to solve a problem is usually the best and that there is always a way, a way to keep moving forward.

This company was formed on those basic principles. Our creativity and dedication in practice has seen a huge success for Pin Brazing and Electrical Bonding throughout many industries from Railroad to Offshore, Water and other utilities to Petrochemical and beyond.

Pin Brazing, based upon Brazing, forms part of a technology developed in Sweden throughout the latter half of the 20th century, by enthusiastic, dedicated and hard working people. The purpose, for attaching current carrying cables to what were deemed "Sensitive Substrate Materials", or in this case Railroad Track Signal Bonding, Grounding Circuits and Earthing of Pylons. In later years the Pin Brazing process and Products were developed for use In the Oil, Gas and Utilities Industries as a safe method of connecting cables to Pipelines. The most popular application being for Cathodic Protection purposes including the attachment of Cathodic Protection System Sacrificial Anode Cables, Test Post Cables, Continuity Bonding between Pipeline Sections, Connection of Monitoring Cables, Earthing and A.C. Mitigation Systems.

Due to the Portability, Ease of Use and Versatility of a system that can be either Battery Powered or in Offshore and Workshop applications attached to a Welding Generator for continual use, the Pin Brazing System has become the ultimate solution for the Electrical Bonding of Sensitive Substrate Materials worldwide.

Alone this product inspires better solutions and services with new applications and technologies, which allow us to meet new customers and more exciting challenges.

We endeavour to bring you exactly what you need, by providing a wealth of experience and support with minimal disruption to your company and our environment, all at a cost that is both realistic and competitive. We shall keep you, the discerning end user, your requirements and requests at the focal point of our considerations, as meeting your professional expectations requires continual effort and more than a few nightshifts, but this is exactly the challenge that keeps us alive and kicking.

There is always a way!



Glenn Symington
Managing Director and Founder

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PIN BRAZING GUN - ZE7000

THE VERY LATEST IN PIN BRAZING TECHNOLOGY, BUILT FOR USE IN EXTREME ENVIRONMENTS AND REMOTE LOCATIONS

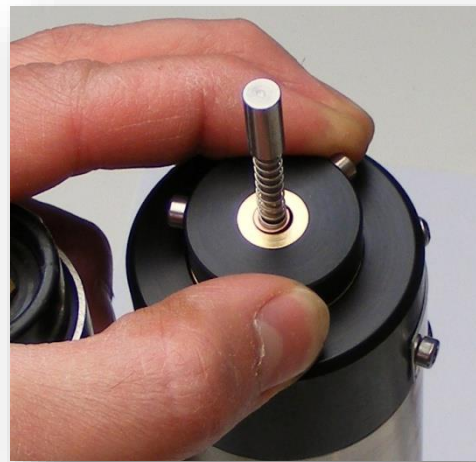


SPECIFICATIONS:

- Lightweight and well balanced – Only 2.0kg (4.4Lbs)
- Marine Grade Stainless Steel Construction
- Precision Bearing Technology
- Fine Braze Adjustment System
- Fail Safe, Auto Reset Trigger Mechanism
- Ergonomic Design
- Operating Temperature Range -40°C (-40°F) to 80°C (176°F)
- Compatible with Fuse wire controlled Direct and Threaded Brazing Pins
- Available for both Welding Generator and Battery Pack power supply.

FEATURES:

- Unique Adjustment Mechanism allows for safer and easier set-up.
- Precision Bearing Solenoid Control
- Adjustable Braze Timing Control to combat URHD
- Adjustable grip size, Quick-release Ergonomic Pistol grip
- Extremely Durable all weather HPX™ Water Proof Resin Enclosure
- Toolkit and Spares Compartment



OPTIONS:

- Heavy Duty Utility Upgrade, consisting – Surefire™ LED Mounted Flashlight for Low Visibility conditions or Confined Space Works, Bungee Sling and Mountings
- Integral Magnetic Earth/Return system
- Extension-Lance for Vacuum Excavation Urban Retrofitting

PIN BRAZING SYSTEM - EB3613 HEAVY DUTY BATTERY PACK

On-Site Equipment, Designed for use in Extreme Environments and Remote Locations, Durable, Versatile and Reliable with NO Electronic Components or Battery Pre-heating Requirements.



Wildlife Problem?

...No Problem!



Parking Problem?

...No Problem!



Shark Attack?

...No Problem!

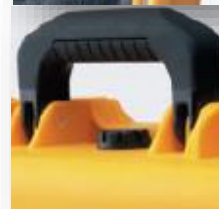


SPECIFICATIONS:

- Capacity – Approximately 100 Attachments per-charge-Cycle
- Battery Charging / Operating Temperature Range -40°C (-40°F) to 80°C (176°F)
- External Dimensions (mm) 299 x 248 x 195 (Ins) 12 x 10 x 8
- Weight (Kg) 16.2 (Lbs) 35.64

FEATURES:

- Water-proof O-ring Gasket
- Vortex™ Automatic Pressure Release Valve
- Double-layered, Cushioned Fold-away Rubber Handle
- Padlockable Moulded-in Hasps
- Extremely Durable all weather HPX™ Resin Enclosure
- Supplied complete with Multi-Stage Compact Charger unit.



PIN BRAZING EQUIPMENT UTILITY CASE - THE ULTIMATE PROTECTIVE SOLUTION
PART NUMBER - ECIM2400

Manufactured by the World Leaders in Protective Storage Systems and Supplied as Standard with every Complete Pin Brazing Unit and Grinder. The Electrobraze Pin Brazing Equipment Utility Case provides protection for your Pin Brazing Gun, Grinder and Associated Cable Accessories.



Wildlife Problem?

...No Problem!



Parking Problem?

...No Problem!



Shark Attack?

...No Problem!



SPECIFICATIONS:

- Internal Dimensions (mm) 457 x 330 x 170, (Ins) 18 x 13 x 7
- Weight (Kg)3.66 (Lbs) 8

FEATURES:

- Water-proof O-ring Gasket
- Vortex™ Automatic Pressure Release Valve
- Double-layered, Cushioned Fold-away Rubber Handle
- Padlockable Moulded-in Hasps
- Extremely Durable all weather HPX™ Resin Enclosure



PIN BRAZING GUN EQUIPMENT CASE - THE ULTIMATE PROTECTIVE SOLUTION
PART NUMBER - ECIM2100

Manufactured by the World Leaders in Protective Storage Systems and Supplied as Standard with every individual Pin Brazing Gun. The Electrobraz Pin Brazing Gun Case provides protection for your Pin Brazing Gun, Micro Grinder and Associated Accessories.



Wildlife Problem?

...No Problem!



Parking Problem?

...No Problem!



Shark Attack?

...No Problem!



SPECIFICATIONS:

- Internal Dimensions (mm) 330 x 234 x 152 (Ins) 13 x 9 1/4 x 6
- Weight (Kg)2.15 (Lbs)4.7

FEATURES:

- Water-proof O-ring Gasket
- Vortex™ Automatic Pressure Release Valve
- Double-layered, Cushioned Fold-away Rubber Handle
- Padlockable Moulded-in Hasps
- Extremely Durable all weather HPX™ Resin Enclosure



PIN BRAZING BATTERY PACK COMPATIBLE MICRO-GRINDER

Part No – SGM50

Ultra-small, Lightweight, Universal Die Grinder. Provides a Safer Surface Preparation for all Pin Brazing Attachments.



Due to increasing concern over the potential negative effects of excessive grinding during Pin Brazing Surface preparation, the unique SGM50 Pin Brazing Battery Pack compatible device utilises a Carbide Burr for speed of installation, but when compared to existing devices can dramatically reduce Substrate disruption whilst providing the ideal surface conditions for Pin Brazing.

SPECIFICATIONS

Output	40 W
Speed, no load	20 000 R.P.M
Cable with plug	3 M
Weight according to EPTA	0.25 kg
Chuck	-
Max Collet Ø	3.2 mm

FEATURES

- Keyless Chuck
- Detachable 2.5 Metre Cable
- Electrobraze Pin Brazing Battery Pack Compatible
- Lightweight
- Low Voltage

PIN BRAZING EQUIPMENT - 18V CORDLESS STRAIGHT GRINDER

Part No – MSG18V

Versatile Cordless Straight Grinder for High Speed Pin Brazing Applications.



FEATURES

- Ergonomic Design and Slim Body
- High Speed
- 2 x 3.0Ah Batteries
- Heavy Duty Quick-Charger (Charge time Approximately 22mins)

SPECIFICATIONS

Input	18V
Speed, no load	25'000 R.P.M
Weight	2.0 kg
Max Collet Ø	6mm

Part No – MSG18V

PIN BRAZING SYSTEM - ELITE 36V MAINS BATTERY CHARGER

Part No - BCE36V2A

The Elite series Electrobraze Pin Brazing Battery Pack charger is designed using Pro-Duty, transformer based technology. Based around a Toroidal design giving low profile compact size and maximum durability, this charger is fully automatic and self test start up is included each time the charger is turned on. Highly accurate - Mains '0' crossing - voltage measurement is incorporated in the design.



FEATURES

- Temperature compensation for extreme environments
- Switchable 110V / 240V input
- Pro-Duty rugged construction
- 4 stage charge cycle
- Proportional timing
- Overrun protection
- Short circuit protection
- Soft start current control
- 3 lamp LED indication

SPECIFICATIONS

Output	36V 2A
Bulk	44.4V
Float	41.4V
Connector	Neutrik Multi-pin
Weight (Kg)	3.5

PIN BRAZING SYSTEM - ELITE 36V MAINS BATTERY CHARGER

Pin Brazing System – Vepac 12v In-Vehicle Battery Charger
Part No: BCV1236V

The Vepac series In-Vehicle Electrobraze Pin Brazing Battery Pack charger is designed using Pro-Duty, transformer based technology. Based around a Toroidal design giving low profile compact size and maximum durability, this charger is fully automatic and self test start up is included each time the charger is turned on. Highly accurate - Mains '0' crossing - voltage measurement is incorporated in the design.



FEATURES

- Reduced output current
- Output connectors
- Set for sealed lead acid
- Input connector
- Electronically controlled
- Input voltage 11.8 - 16V DC
- Output voltage 36V
- Output current 2A
- 3-stage charging - Constant current - Constant voltage - Float
- Proportional timing control
- LED status indication
- Reverse polarity protection
- Compact metal housing
- Short circuit protection
- Auto start up and shut down

SPECIFICATIONS

Input	12V DC
Output	36V 2A
Weight (Kg)	1.0
Dimensions (L x W x H)	165 x 120 x 90 mm

PIN BRAZING SYSTEM – MULTI-STAGE 36V COMPACT MAINS BATTERY CHARGER

(Supplied as Standard with all Electrobraze Pin Brazing Battery packs)

Part No - BCMSC36

The Multi-Stage Compact Electrobraze Pin Brazing Battery Pack charger is fully automatic and self test start up is included each time the charger is turned on. Highly accurate - Mains '0' crossing - voltage measurement is incorporated in the design.



FEATURES

- Automatic 110V/240V AC Input
- 3-5 Hour Charge Time
- 3 stage charge cycle
- Short circuit protection
- Soft start current control
- 2 lamp Neon indication

SPECIFICATIONS

Output	36V 1.5A
Bulk	44.4V
Float	41.4V
Connector	Neutrik NL2FC
Weight (Kg)	0.5
Dimensions (L x W x H)	115 x 60 x 35 mm

DC SERIES - PIN BRAZING DIRECT CONNECTION CRIMP TERMINALS

Electrobrazex DC Series Connection Crimp Terminals are precision manufactured to ensure optimum capillary gap for joint strength and integrity, whilst also allowing excess heat created during initiation of the Pin Brazing Arc to flow freely away from the Substrate material and reduce the risk of any unnecessary damage.



Metric Sizes

Part No	Cable Size	Description	Pin type	Pack Quantity	Notes
DCL2.5	2.5mm ²	Direct Connector	8mm	50	
DCL4	4mm ²	Direct Connector	8mm	50	
DCL6	6mm ²	Direct Connector	8mm	50	
DCL10	10mm ²	Direct Connector	8mm	50	
DCL16	16mm ²	Direct Connector	8mm	50	
DCL25	25mm ²	Direct Connector	8mm	50	
DCL35	35mm ²	Direct Connector	8mm	50	
DCL50	50mm ²	Direct Connector	8mm x 2	50	Dual Braze
DCL75X2	75mm ²	Direct Connector	8mm x 2	50	Dual Braze
DCL120X4	120mm ²	Direct Connector	8mm x 4	50	Quad Braze

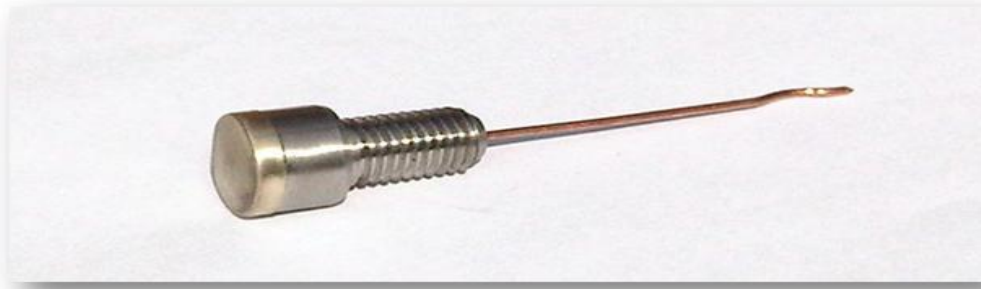
AWG Sizes

Part No	Cable Size	Description	Pin type	Pack Quantity	Notes
DCLAWG14	AWG14	Direct Connector	8mm	50	
DCLAWG12	AWG12	Direct Connector	8mm	50	
DCLAWG10	AWG10	Direct Connector	8mm	50	
DCLAWG8	AWG8	Direct Connector	8mm	50	
DCLAWG6	AWG6	Direct Connector	8mm	50	
DCLAWG4	AWG4	Direct Connector	8mm	50	
DCLAWG2	AWG2	Direct Connector	8mm	50	
DCLAWG1/0	AWG1/0	Direct Connector	8mm x 2	50	Dual Braze
DCLAWG2/0X2	AWG2/0	Direct Connector	8mm x 2	50	Dual Braze
DCLAWG4/0X4	AWG4/0	Direct Connector	8mm x 4	50	Quad Braze

All DC Series Crimp Terminals are 'solid-state', requiring no additional reducing sleeves or inserts

SILVER FLOW™ CADMIUM FREE SILVER BRAZING PINS

Electrobrazz Silver Flow™ Brazing Pins are precision manufactured to provide optimum in field performance ensuring joint strength, reliability and integrity. Completely Cadmium Free, we provide a much safer and more versatile range of silver alloy Brazing Pins than ever previously available.



Brazing Pins containing Silver Flow 620 Specialist Application Alloy for Pipeline Materials.

Brazing Pin | Specialist Application | Fused

Part No	Size	Description	Alloy	Pack Qty	Ceramic
BPF8DSF620	8mm	8mm Direct Brazing Pin with Fuse Wire	SF620	50	CF0800
BPFM6SF620	M6	M6 Threaded Brazing Pin with Fuse Wire	SF620	50	CF12
BPFM8SF620	M8	M8 Threaded Brazing Pin with Fuse Wire	SF620	50	CF12
BPFM10SF620	M10	M10 Threaded Brazing Pin with Fuse Wire	SF620	25	CF12
BPFM12SF620	M12	M12 Threaded Brazing Pin with Fuse Wire	SF620	25	CF12

Note: All Threaded Brazing Pins supplied with 304 Stainless Steel Nyloc Nuts and Washers as standard.

Brazing Pin | Specialist Application | Fused | Stainless Steel Grade 316

Part No	Size	Description	Alloy	Pack Qty	Ceramic
BPFM6SF620316	M6	M6 Threaded Brazing Pin St/St with Fuse Wire	SF620	50	CF12
BPFM8SF620316	M8	M8 Threaded Brazing Pin St/St with Fuse Wire	SF620	50	CF12
BPFM10SF620316	M10	M10 Threaded Brazing Pin St/St with Fuse Wire	SF620	25	CF12
BPFM12SF620316	M12	M12 Threaded Brazing Pin St/St with Fuse Wire	SF620	25	CF12

Note: All Threaded Brazing Pins supplied with 316 Stainless Steel Nyloc Nuts and Washers as standard.

Contact

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