



BAC[®]

PIN BRAZING

EASYBOND[™]
PIN BRAZING SYSTEM

**‘The ultimate
electrical bond’**

Various applications and options

Easybond Pin Brazing is ideally suited for many applications including continuity bonding between pipes, across flanges, connection of cathodic protection test and current carrying cables and connection of bracelet galvanic anodes etc.

The Easybond MKII equipment is very robust, easy to operate, easy to maintain and ideal for on site works.

The Easybond Pin Brazing Process

The Easybond MKII is powered by a 36V DC battery pack (or suitable welding generator when using the generator gun) capable of delivering 240A for use with BAC fused brazing pins, ceramic ferrules and cable lugs.

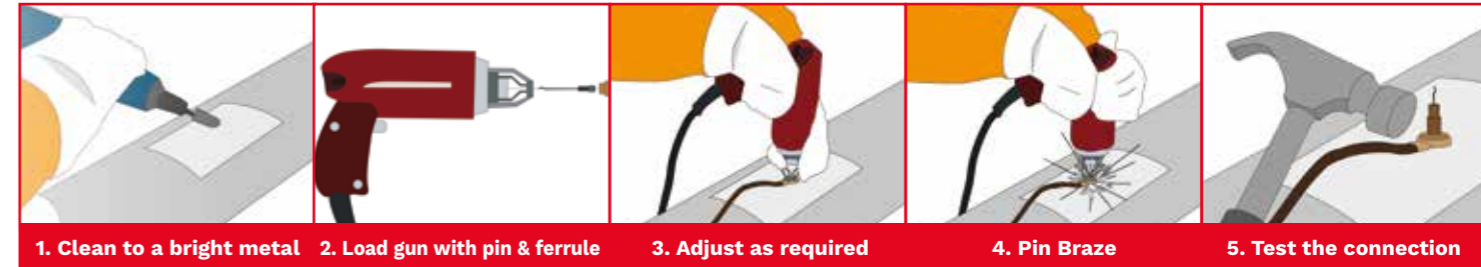
With the earth device in place the gun trigger is depressed and after approximately 1.5 to 2 seconds the circuit is mechanically broken as the fuse wire breaks, and the brazing pin is held into the molten pool of brazing alloy that rapidly cools into a homogenous and very strong connection.

“The safest, fastest simplest and most effective electrical bonding method available”

Benefits

- ▶ **Speed of connection**
Takes around 60 seconds for 1 connection.
- ▶ **Low Temperature**
The low melting point (650°C) and short brazing time minimise the thermal effects on the steel.
- ▶ **All Weather**
Pin brazing can be carried out in the wind rain or snow and damp conditions pose no problem.
- ▶ **Easy to use**
Operators can be trained effectively to operate and maintain the equipment in less than one hour.
- ▶ **Versatile**
Connections can be made at any orientation on a pipe.
- ▶ **Maintenance**
Huge range of spare parts means easy onsite maintenance.

5 Easy Steps



2731995660
The Complete Easybond
MKII Brazing System



2731990685
18v DieGrinder

2731995230
Extended Generator Gun

2731995040
In-Car Charger

2731990240
Standard Generator Gun

2731995100
Easybond Reach System
for vacuum excavated
holes to 2.8m (9ft)

2731995640
Battery Pack
c/w charge adapter

EASYBOND MK II SYSTEM

Part #	Description
273 199 5660	Complete Easybond MKII Brazing System (Including all the following components)
273 199 5610	Power Unit for Easybond MKII complete with battery pack
273 199 0780	Easybond Gun
270 071 5600	Pin holder for 8mm direct braze pins
270 074 8150	Ferrule holder for 8mm direct braze pins
273 190 0610	Toolkit
273 199 5020	Battery charger ELITE 110/230v supply
273 190 1360	Earth device
273 190 4680	Attaché case
278 900 1900	Manuals and training video on CD

OPTIONAL ACCESSORIES FOR EASYBOND II

Part #	Description
273 199 0685	Die Grinder, c/w 2 x 18V batteries, case and fitted with burr
273 190 1370	Grinding burr
273 199 5040	Battery charger 12V supply - In Car Charger
273 199 5640	Spare Battery Pack- sealed type, (c/w 3 x batteries, harness, connector & charge adaptor)
273 190 1460	Extension Cable 2.5m length
273 100 4825	Trolley for EBII Power Unit

GENERATOR BRAZING GUNS

Part #	Description
273 199 0240	Gun VF2300-ESAB c/w 8mm direct Pin & Ferrule Holder
273 199 5230	Gun VF2300 Extended c/w 8mm direct Pin & Ferrule Holder

EASYBOND REACH SYSTEM (EBRS)

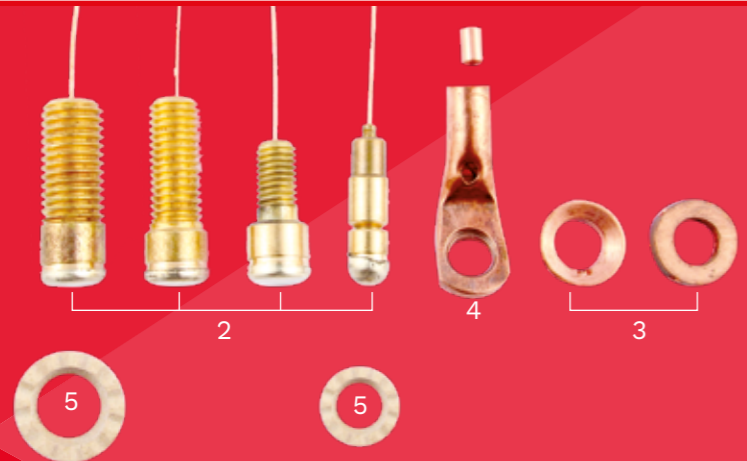
Part #	Description
273 199 5100	Easybond Reach System (Including all the following components)
273 199 5060	Gun & Long Reach Extension c/w earth device
270 071 5600	Pin holder for 8mm Direct brazing pins
270 074 8150	Ferrule holder for 8mm direct braze pins
273 199 5070	Trigger Device
273 199 5090	Grinder Conversion Kit
273 900 0280	Grinding Disk Holder
273 900 0290	Grinding Disks (100 Pack)

Items also required that are common to Easybond Unit:

273 199 5610	Battery Box unit for Easybond II complete with battery pack
273 199 0685	Die Grinder, c/w 2 x 18V batteries, case and fitted with burr
273 199 5020	Battery charger 110/230v supply



2731004825
Trolley for Power Unit



Integrated Bond

BAC manufacture a range of 650°C brazing pins, lugs and ferrules suitable for cables from 1mm² up to 50mm². All BAC brazing pins are manufactured to the highest standards to ensure a safe, consistent and reliable connection.

Stinger connection is suitable for # 10 & #12 AWG wires (1mm² to 6mm²) The 8mm brazing pin fuses both the stinger and the wire to the substrate.

BAC produce a factory made **Integrated Cable Bond** whereby the cable strands form part of the cable lug so that the cable and the lug are both pin brazed onto the substrate negating the need for a mechanical crimp.



BRAZING PINS WITH FUSE WIRE - 2

Part #	Description
278 190 3250	8mm Direct Brazing Pin (Min Pack size 100)
270 083 3520	8mm Direct Brazing Pin Extra Solder B (Min Pack size 100)
278 190 0430	M8 Threaded Brazing Pin (Pack size 50)
278 190 3450	M10 Threaded Brazing Pin (Pack size 40)
278 190 2560	M12 Threaded Brazing Pin (Pack size 40)

FERRULES - 5

Part #	Description
270 065 7230	Ceramic Ferrule 8mm for direct pins (Pack size 100)
270 077 3680	Ceramic Ferrule 12mm for threaded pins (Pack size 50)

CABLE LUGS - SUITABLE FOR ALL 8MM DIRECT BRAZING PINS & FERRULE - 4

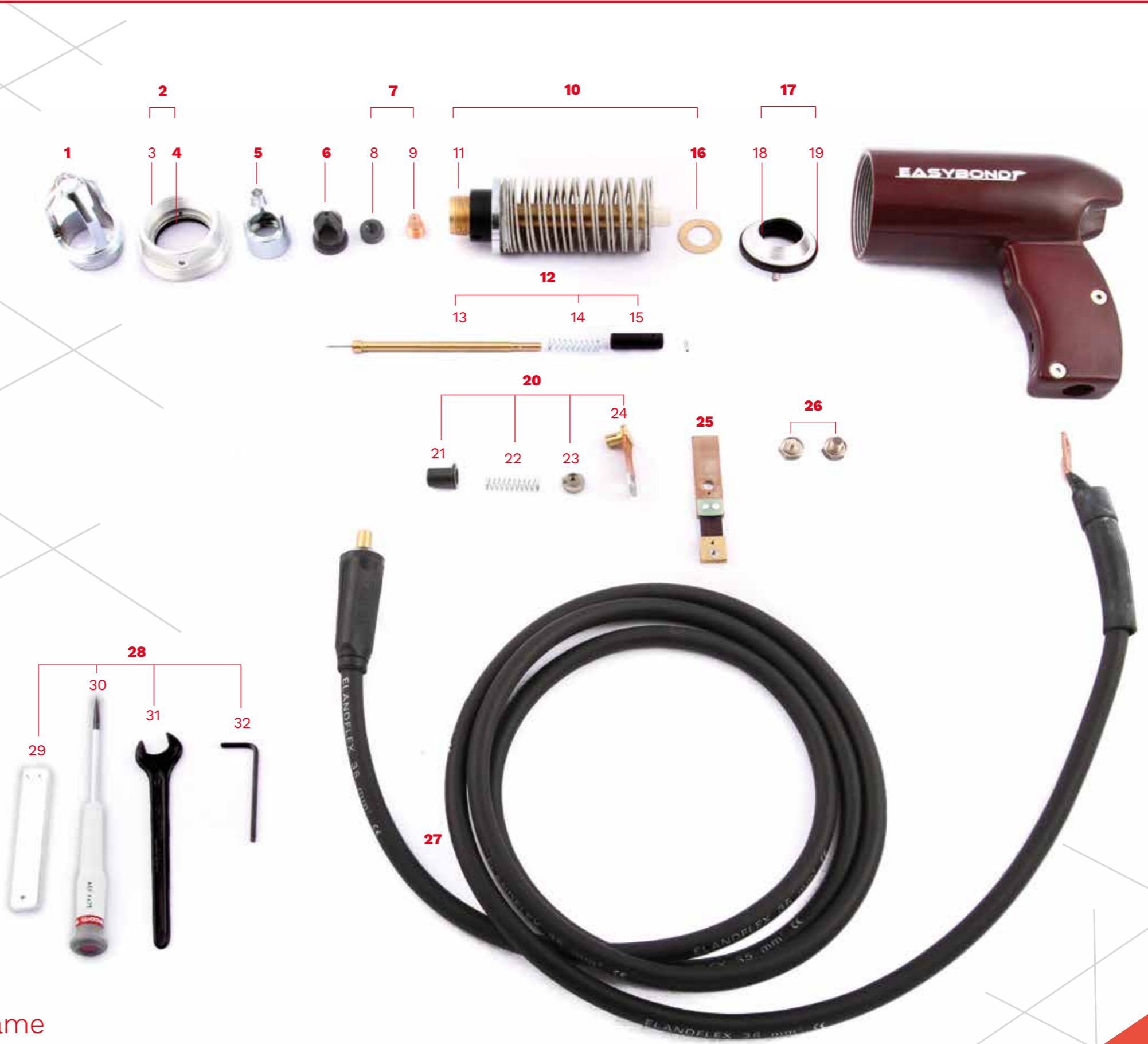
Part #	Description
278 100 7360	Cable lug 10mm ² cable (Pack size 100)
278 100 9000	Cable lug 16mm ² cable (Pack size 100)
270 088 7800	Cable lug 25mm ² cable (Pack size 50)
278 100 7810	Cable lug 35mm ² cable (Pack size 50)
270 088 7790	Cable lug 50mm ² cable (Pack size 50)
278 100 9890	Cable lug # 6 - #8 AWG cable (Pack size 50)
278 100 8590	Sleeve 2.5mm ² t/s 278 100 7360 (Pack size 100)
278 100 8750	Sleeve 4mm ² t/s 278 100 7360 (Pack size 100)
278 100 9270	Sleeve 6mm ² t/s 278 100 7360 (Pack size 100)

CONNECTION KITS - STINGER - INDIVIDUAL & KITS - 3

Part #	Description
278 100 8012	Stinger #12 AWG to suit 1 - 2.5mm ² cable (Pack size 100) 2 hole
278 100 8042	Stinger #10 AWG to suit 4 - 6mm ² cable (Pack size 100) 2 hole
278 100 8050	Stinger #12 AWG kit comprising 2781008010 #12AWG Stinger (50), 2781903250 Brazing pin (50) & 2700657230 Ferrule (50). (Pack size 50)
278 100 8060	Stinger #10 AWG kit comprising 2781008010 #10AWG Stinger (50), 2781903250 Brazing pin (50) & 2700657230 Ferrule (50). (Pack size 50)

“All BAC brazing pins are manufactured to the highest standards to ensure a safe, consistent and reliable connection”

Part #	Description
273 199 0780	Standard brazing gun BB1/ Easybond MKII
1 270 074 8150	Ferrule holder for 8mm direct brazing pins
273 100 0560	Ferrule holder for M8 threaded brazing pins
273 100 1240	Ferrule holder for M10/M12 threaded brazing pins
2 273 190 0560	Front piece complete with locking ring
4 270 074 8160	Locking ring
5 270 071 5600	Pin holder for 8mm direct brazing pins
273 100 0550	Pin holder for M8 threaded brazing pins
273 100 3870	Pin holder for M10 threaded brazing pins
273 100 1230	Pin holder for M12 threaded brazing pins
6 270 071 5610	Spark shield
7 273 190 0570	Contact nipple and washer (5 pack)
10 273 074 8220	Centre piece complete
12 273 190 0580	Ejector rod complete
16 270 071 5340	Remanence washer
17 273 190 0590	Conductor ring and insulating ring
20 273 190 0600	Trigger assembly
25 270 071 5700	Contact arm
26 273 190 0110	Contact set complete
27 273 190 1310	Cable 35mm sq. 2.7m long
28 273 190 0610	Tool kit



“All Easybond MK II equipment, consumables and spare parts are normally ex stock and ready for same day delivery at our UK facility and at authorised distributors worldwide”



Training

In order to get the best from your Easybond equipment we would always recommend training for your operatives and technicians.

BAC and its authorised importers/distributors offer a full training program covering the operation, maintenance and changing out of spare parts on the Easybond system that will be tailored to suit individual client requirements.

Upon completion each trained individual will receive a BAC validated training certificate.

Service

BAC and its authorised importers/distributors offer a full service and repair capability for your Easybond equipment. BAC and selected importers/distributors carry a full and comprehensive range of spare parts so that we can turn around fully serviced and repaired equipment within a short time. All spare parts are ex works and can be sent out to the client immediately upon request.



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BAC[®]
CORROSION CONTROL

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