



Safely connecting the world!

SafeBond®

**Unique Cable Bonding System
with no metallurgical impact**

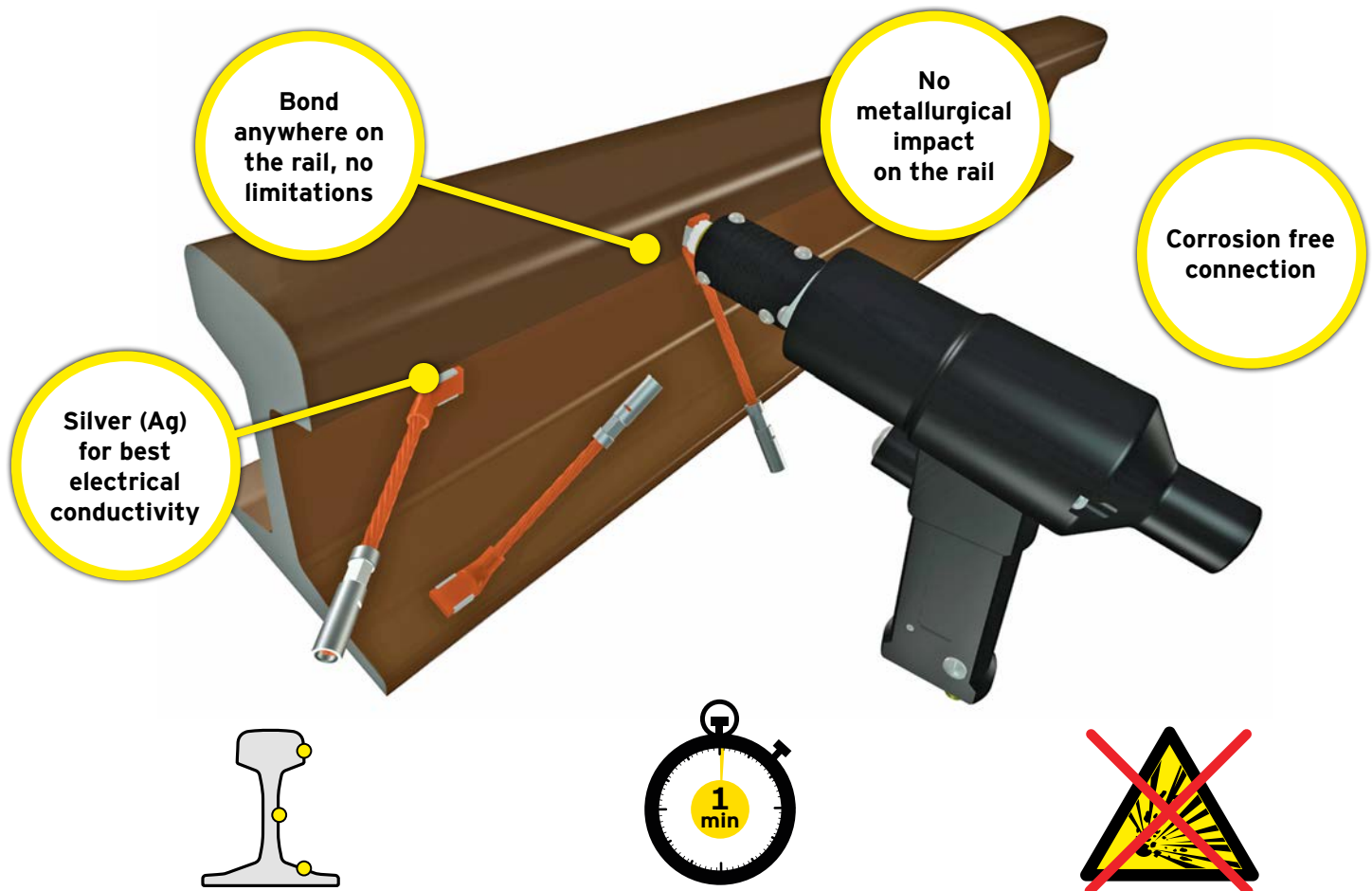


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Connect cables anywhere

Safetrack® patented SafeBond® system is a unique, low temperature indirect arc brazing method used for attaching electrical connectors anywhere on the rail without the need for welding or drilling. SafeBond® has no metallurgical impact on the rail and has an extremely low transition resistance, thanks to the silver brazing technology (*silver has the lowest transition resistance of all metals*).



The advantage

SafeBond® can safely be attached anywhere on the rail with no metallurgical impact. The cable lug is solid and the electric arc is between the top of the lug and the braze electrode.

1-minute process

The reduced time on site not only makes this method very cost efficient, it minimizes the risk for operators being trackside.

Safe for the user

No exothermic reaction and no risk for steam explosions. Our SafeBond® system is safe for the operator and safe for the rail.

Ergo & Eco friendly

Our lightweight and easy to carry Econect unit is not only ergonomic and economical, but also a part of our project SAFETRACK ECO PRODUCT which is reflected in our continuous work for a better environment.



One Econect Li-Ion battery saves up to 15 lead batteries.

Reliable

- Millions SafeBond® made on the hardest rail
- Lowest possible transition resistance
 - Only 5 micro ohms/brazed joint
- Constant Energy Control System (patent)
- Stronger connection than the cable itself
- Automated brazing gun (patent)
 - No adjustment needed
- No special training needed

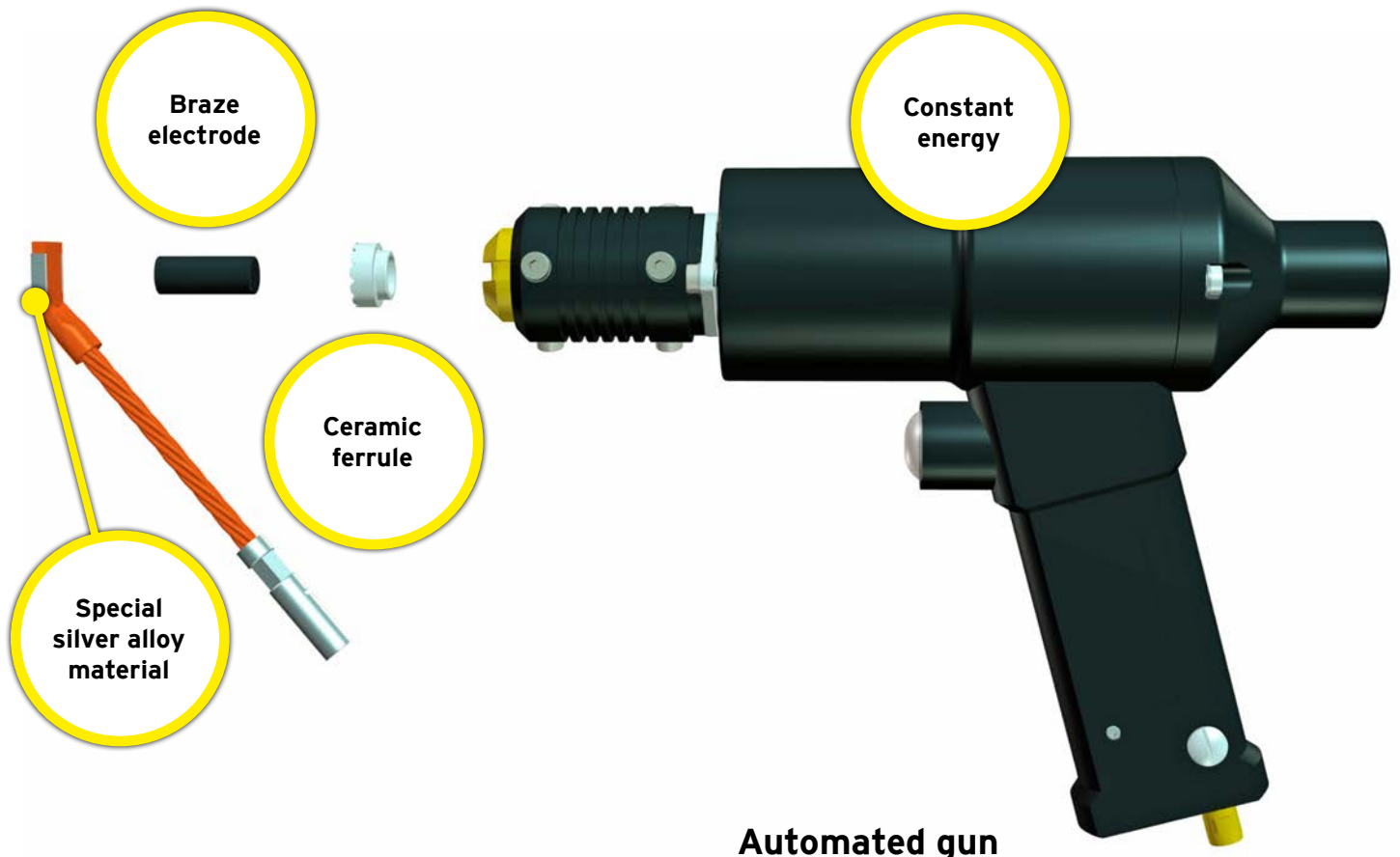
Safe for the rail

- No metallurgical impact
- Low temperature – Melting point of the silver alloy 650°C/1200°F
- Enables broken rail detection
- No welding, no drilling
- No noise
- Battery powered

The process

Grind the surface ► Attach the grounding device ► Prepare the gun with the brazing material ► Pull the trigger and the equipment will distribute an exact amount of energy (patent) through the braze electrode. The applied flux cleans the surface and the special silver alloy melts onto the connected material and surface.

In 5 seconds, you have efficiently created an extremely strong and reliable silver connection.

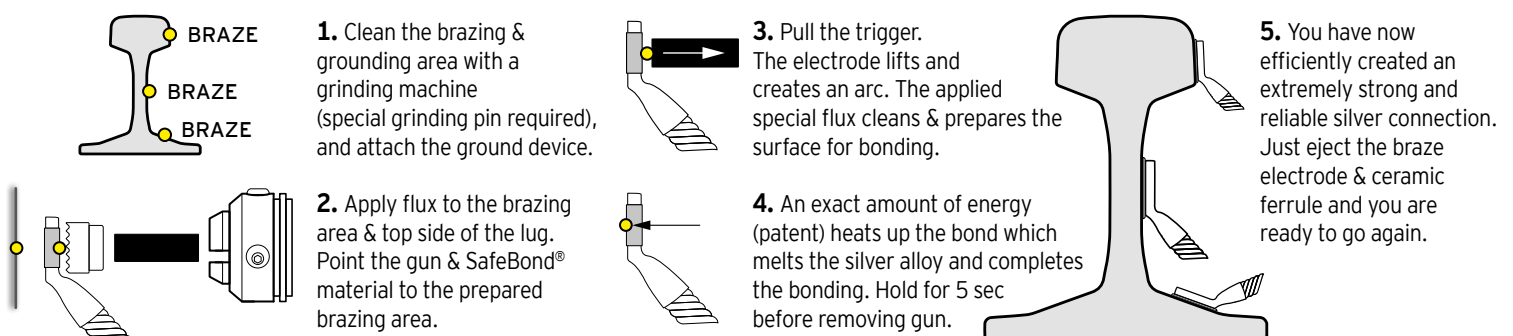


Automated gun

All Safetrack® SafeBond® units use our patented automated brazing gun. It ensures correct lift level which is essential for achieving optimal brazing result and connection.

Our SafeBond® brazing gun is lightweight, easy to use and requires little to zero maintenance.

Step by step



SafeBond® equipment

Safetrack® SafeBond® system is a unique electrical cable bonding system with no metallurgical impact on the rail and has an extremely low transition resistance.



ECONECT®

SafeBond® brazing unit

- 30 connections per charge, 1h recharge
- Nano Li-Ion battery, long life and lead free
- Digitized – same perfect result everytime (patent)
- Automatic Brazing Gun (patent)
- Lightweight: 9,8 kg (21,6 lb)
- Can be equipped with a carrying harness (93690)
- Part no. 94355 (add charger 8048)



S300

SafeBond® brazing unit

- Requires welding inverter, no batteries.
- Unlimited capacity
- Constant energy
- Automatic Brazing Gun (patent)
- Weight: 6,5kg
- Part no. 93900 (Add welding inverter RW674010 & grinder 593070)

Consumables



There are millions of SafeBond® connections worldwide.

- Union Pacific
- LB Foster
- Nortrak
- Meridian Rail
- etc.

For more information:
www.safetrack.se

Accessories



Grounding Magnet

Powerful, Switchable
Complete device with cable

- Part no. 80730



Grounding Grip

For non-magnetic material
No need to grind first

- Part no. 8071



Insulation Bag (Econnect)

Increased capacity in
even colder weather

- Part no. 937005



Carrying Harness (Econnect)

Offload your arms
Complete with holster

- Part no. 93690



Quality – Tested & Approved

Safetrack material is thoroughly tested by third party, on site and in our own laboratory for corrosion resistance, fatigue tests etc.

Safetrack Baavhammar AB

ISO 9001 certified
ISO 14001 certified