

i+cool

Rail Welding Equipment



Pandrol's i+cool device is designed to increase welding productivity by cooling welds faster. The equipment can be used for normal gap, wide gap and head wash repair (HWR) welding.

The compact device – which weighs just 20kg when ready for use – is equipped with an integrated water tank. A mist of water is sprayed from nozzles to cool the weld to the optimum temperature for grinding. As a result, the overall time needed to complete the weld is reduced, while the integrity of the weld are maintained.

→ TECHNICAL FEATURES

Ease of set-up

The device's nozzles – made of stainless steel plug easily into the integrated water tank.

Process control

The i+cool device is fitted with an automatic timer and a controlled stop.

Battery powered

The system is powered by one 18V (8Ah) battery.

Compact and lightweight

With a maximum weight of just 20kg and fitted with a sturdy handle, the equipment can be carried on site by one person.

Support

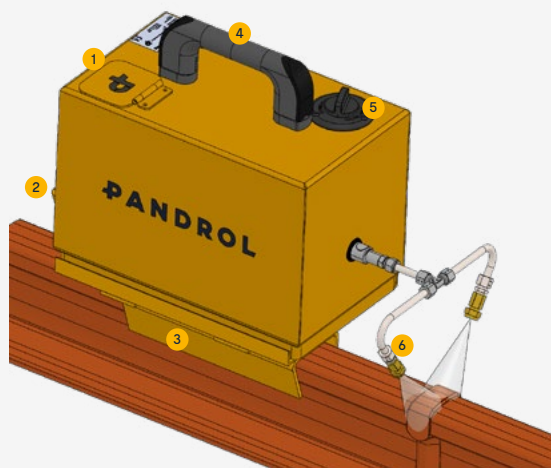
The device is compatible with the support for Pandrol's i+heat preheater system, reducing the amount of equipment needed on site.

Versatility

The versatility of i+cool's design means that one device can be used with normal gap, wide gap and HWR welding.

→ ADVANTAGES /

- By cooling welds faster, the i+cool device increases welding productivity, saving time and money for the rail operator.
- Integrity of the weld maintained (no martensite or bainite).
- Weighing just 20kg (including batteries and water), the device can be carried by a single person, saving on operator time and costs.
- The i+cool device is simple to use, thanks to its ease of set-up, automatic timer and controlled stop.
- Compatible with Pandrol's i+heat support and suitable for normal gap, wide gap and HWR welding, the system minimises the amount of equipment needed on track.



→ COMPONENTS /

1. Controller of time
2. 1 battery 18V 8.0 Ah
3. i+heat support (not included)
4. Ergonomic handle
5. 7L water tank
6. Spraying system

→ SPECIFICATIONS /

Technical data	
Designation	i+cool
Item number	S0000481
Power	36W
Flow	1.3 litres/min
Tank capacity	7 litres
Dimensions (L x W x H)	495mm x 265mm x 403mm
Weight	20kg (with batteries and water) 19kg (without batteries, with water) 12kg (without batteries or water)
Protection rating	IP55
Batteries	18V / 8Ah
Operating temperature	-5 to +40°C

Charger and support not included.

Accessories	
21245008	Support 90mm for Vignole rail
48402027	Battery LIHD 18V 8.0Ah
48402033	Battery charger Metabo (sold separately)
48404001	Funnel

Standard compliance

Safety of Machines – EN 60204-1:2006

→ LEARN MORE

