

**TrakFast™ 800**  
For Electrical, Fire & Security Contractors



**Ramset™**



**PULSA TECHNOLOGY**

**800 SERIES**



SPIT PULSA Gas Technology System

Depth of Drive adjustment

Interchangeable Pin Guide to Suit Various Applications

Removable 20-Pin Magazine (50-Pin Magazine Available)



Compact & Lightweight Design

Electronic Fuel Injection

Lithium-ion Battery



Battery & Fuel Gauge

## Description

In 1993, the venerable PULSA 1000 was introduced in Europe. It was the first system that pioneered the gas-powered concrete pinner. Seven years later the PULSA 700 system was introduced, and it revolutionized the way electrical system is installed - The rest is history!

The new PULSA 800 is the most technologically advanced direct fastening gas tool on the market, with design improvements in virtually every aspect of its operation. The **TrakFast™800** offers a number of innovative features allowing quicker and secure installation of a wide variety of clips for plumbing, data and electrical installations. The increased speed and productivity allows the contractor to bid more competitively, complete the job sooner and move on to the next job. **NO DRILLING, NO CORD, NO LEW, ONE TOOL – ONE-MAN OPERATION.**

## Specifications

Weight	3.8kg
Height x Length	309mm x 396mm
Magazine Capacity	20 (+3) pin magazine,
Impact Force	100J
Actuation Pressure	4.5kg
Overdrive	4mm
Intermittent Operation	2 pins per second
Fuel Cell Life	600 pins (approx)
Battery Charge Capacity	3,000 pins (approx)
Battery Voltage	3.7V Lithium-ion
Battery Charge Time	90mins (25mins for 500 fixings)
Power Regulation	Automatic
Operating Temperature Range	-5°C to 49°C

**Substrates** Concrete, Hard Concrete, Precast Concrete, Steel Prestressed Concrete, Reinforced Concrete, Composite Steel Decking, Structural Steel Section, Solid Brick/Block, Hollow Block/Slab, ALC.



## Features & Benefits

- One-man operation – Reduces man-power requirement.
- Fully automatic direct-fastening system:
  - ✓ Improves productivity up to 40 times.
  - ✓ No drilling required. No dust. No continuous noise.
  - ✓ Reduces downtime to manually insert fasteners.
- Best-in-class gas-actuated technology.
  - ✓ IPC technology ensures efficient power control for consistent fixing.
  - ✓ No electrical power source required.
  - ✓ No LEW required.
  - ✓ Cordless – No movement restriction at job-site.
- Single Tool – Removes tools complexities and hidden costs.
  - ✓ NO NEED for; corded tool, dust remover, extension cable, hammer, drill bits, & screw-driver. (6 tools → 1 tool)
  - ✓ No setting time and eases housekeeping.
  - ✓ No cost due to LEW.
- Safe & Secure – Complies with MOM's H&S requirement. No operator license required to use the tool.
- Tried & Tested – Loading over 45kg in concrete and over 150kg in structural steel.
- Low maintenance. Designed to work in all conditions.



## Applications



Conduit clips fastening  
(Full saddle & half saddle)



PVC conduit clips



Cable management



Trunking system



Direct fixing into steel

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## TrakFast™ 800

Part No	Description	Order Qty
9A-TRAK-FAST	TrakFast™ Pulsa™ Gas Tool + 2 x Lithium-Ion Batteries	1

Kit includes: TrakFast™800 Tool, 20-pin magazine, high impact carry case, 2 batteries, battery charger, safety glasses and instruction manual.



## Accessories

Part No	Description	Order Qty
9A-TRAK-20MG *	Pulsa 800 20 Pin Magazine (a)	1
9A-TRAK-CMFG *	CableMaster™800 Fastener Guide (b)	1
9A-TRAK-FMPG *	Flat Magnetic Pin Guide P800 (c)	1
9A-TRAK-BATT	Pulsa 800 Lithium-ion Battery (d)	1
9A-TRAK-CHAR	Pulsa 800 Lithium-ion Battery Charger (e)	1
9A-TRAK-TFFG *	TrakFast™800 Fastener Guide	1

## Heavy Duty Pin Range for Steel and Hard Concrete Fixing

The Ramset™ range of Premium Drive Pins has been designed for steel and hard concrete applications.

### Specifications

Raw Material	Carbon Steel
Corrosion Protection	Zinc Mechanically Plated (Min. coating 10µm)
Nominal Head Diameter	6.4mm
Nominal Shank Diameter	3.0 / 2.7mm
Shear Strength	1200N/mm <sup>2</sup>
Tensile Strength	1950N/mm <sup>2</sup>
Hardness	53-56HR <sub>C</sub>

Part No	Description	Length	Order Qty
9A-TRAK-HC15 *	Premium Steel Pin	15mm	500
9A-TRAK-HC17 *	Premium Hard Concrete/Steel	17mm	500
9A-TRAK-HC22	Premium Hard Concrete/Steel	22mm	500

10 strip collation (suitable for use in 20 and 50-pin magazines) + 1 x Pulsa 800 Fuel Cell



\* Non stocking item

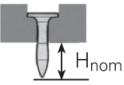




SPIT PULSA Gas Technology System

## Pin Selection Guide

	 FULL SADDLE CLIP (METAL)	 HALF SADDLE CLIP (METAL)	 CONDUIT CLIP (PVC)	 TRH-CLIP	 TRUNKING SYSTEM
	<b>HC6 15</b>				
 C40/50 > C60/70	<b>HC6 17</b>		<b>HC6 17-22</b>		
 C20/25 > C25/30	<b>HC6 17-22</b>				

## Recommended Loading

HC6 Pins		Characteristic Resistance		Recommended Load*	
		Tension N <sub>rk</sub> (kN)	Shear N <sub>rk</sub> (kN)	Tension N <sub>rk</sub> (kN)	Shear N <sub>rk</sub> (kN)
 C20/25 to C60/70	H <sub>nom</sub> = 10mm	0.34	0.75	0.10	0.25
	H <sub>nom</sub> = 15mm	0.87		0.30	
	H <sub>nom</sub> = 18mm	1.19		0.40	
	H <sub>nom</sub> = 20mm	1.41		0.47	
 Steel = 410-450 N/mm <sup>2</sup> Steel = 500-550 N/mm <sup>2</sup>	H <sub>nom</sub> = 6.5mm	5.0	3.6	1.5	1.2

\* The above information is for reference only. On-site testing is recommended.



**SIMPLIFY**  
From 6 tools to just 1



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