

FULLY AUTOMATIC

ONE CLAMP.
ONE BUTTON.
ONE SQUARE CUT.

UTILITOOL FULLY AUTOMATIC RAIL SAW

PART NUMBER: RS-AUTO-36V
PROUDLY DISTRIBUTED BY GVK

RS-AUTO-36V
TECHNICAL DATA SHEET



36V X 12AH
CORDLESS LITHIUM POWER

43~75KG/M
RAIL CAPACITY — NON-QUENCHED

2 X PART
SINGLE PERSON CARRY & OPERATION

Automatic water-cooled lithium battery rail band saw for the Australian Rail Industry.

SPECIFICATIONS

Max. Power	2.2kW
Motor	DC36V brushless, 8000rpm
Cutting method	Unidirectional band saw, water-cooled
Blade	19mm × 0.9mm × 2135mm
Rail capacity	≤75kg/m — non-quenched
Max. cutting height	≤192mm
Feed	Automatic, powered
Clamping	Screw clamp to rail web
Dimension	800mm × 526mm × 491mm
Weight — cutting unit	30.3kg
Weight — clamping & feed unit	15.8kg excl. battery
Power supply	DC 36V 12Ah lithium battery, 2.7kg
Operating environment	-20°C to +45°C, ≤95% humidity

PERFORMANCE DATA

Blade linear velocity	≤70m/min
Kerf	~1.6mm
Cut time — 60kg/m	<240 seconds
Cuts per battery charge	15+ — GVK verified
Blade lifespan	≥15 cuts per blade
Charging time	≤0.5 hours
Coolant	5L pressurised tank — clean tap water
Service interval	500 cuts or 12 months
Ingress protection	≥IP54

KEY FEATURES:

- **One Clamp X One Cut** – Fully automated operation. Auto rail model recognition, automatic feed & auto reset, w. overload protection & emergency pause.
- **Cold, Square Cut** – Water-cooled cold cutting. Verticality ≤0.5mm, no bluing, no oxidation, no structure change — meets rail welding standards.
- **Zero Spark** – No abrasive wheel, no chip splash, low noise & low vibration. Suits fire-ban, tunnel & urban work.
- **Cordless 36V X 12Ah** – No generator, no fuel, no leads. Fast charge ≤0.5 hours.
- **Two-Part Carry** – Separates into a 30.3kg cutting unit & 15.8kg clamping & feed unit for single person carry & operation.
- **On-Board Screen & Controls** – Power & battery display, manual/automatic mode select, fault codes & Bluetooth data output. Manual rise/drop fine adjustment.

APPLICATION:

- Routine track maintenance, CWR emergency repair of broken rails, urban rail transit & welding plant pre-cutting. Non-quenched rail ≤75kg/m. Not for head-hardened rail.

RS-AUTO-36V TOOL & ACCESSORIES:

- Cutting Unit
- Feed & Clamping Unit
- 36V 12Ah Lithium Battery
- Lithium Charger
- 19mm Ratchet Wrench
- 5L Pressurised Cooling Tank
- 50mm Brush
- Toolbox
- Instruction Manual

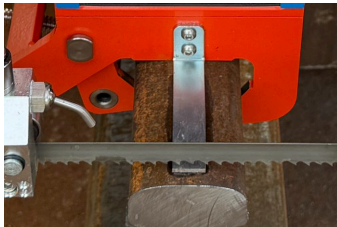
Blade & battery are consumable items; coolant is clean tap water. Order UtiliTool blades only — 19 × 0.9 × 2135mm.

RS-AUTO-36V

COLD CUT

WATER COOLED.
SPARK FREE CUTTING.
NO BLUING.IN THE FIELD. ONE BUTTON.
ONE SQUARE CUT.

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**01**
CLAMP

Square to the rail, align the cut on the built-in ruler & tighten the screw clamp.

**02**
FIT

Cutting unit slots onto the clamp studs; two nuts, battery in, pot connected.

**03**
PRESS

Press start — auto rail model recognition & automatic feed take the cut.

**04**
DONE

Auto reset. Fresh-cut face straight off the saw — verticality $\leq 0.5\text{mm}$, no bluing.

HOW IT COMPARES

	RS-AUTO-36V	PETROL ABRASIVE SAWS	MANUAL-FEED BAND SAWS
Cutting cycle	Fully automated — one press	Operator feed & force	Manual feed by operator
Cut face	Verticality $\leq 0.5\text{mm}$ — no bluing	Heat-affected — re-face often required	Operator dependent
Hot particles	Zero spark — no chip splash	Shower of hot sparks	Low
Wheel burst risk	None — band blade	Present	None
Power	36V battery — no fuel, no fumes	Petrol — exhaust fumes	Battery or mains
Site relocation	Splits into two carry units	One-piece carry	One-piece carry

Typical of petrol abrasive rail saws & manual-feed band saws. Verify against current manufacturer data.

WHY CHOOSE THE UTILITOOL AUTOMATIC RAIL CUTTING BAND SAW?

- Save time with a fully automated cutting cycle — clamp, press, done.
- Work anywhere with cordless 36V lithium power & a ≤ 0.5 hour fast charge.
- Cut in tunnels, on fire-ban days & in urban corridors — zero spark, low noise, zero emissions.
- Cut welding-ready faces first time with $\leq 0.5\text{mm}$ verticality & no heat-affected zone.
- Reduce fatigue with a two-part split design — single person carry & operation.
- Monitor battery, temperature & motor speed in real time on the built-in screen.