

AUTOMATIC RAIL DISC SAW

New

Available from 2011

ROBOKATTA RDS-14P

Robust, powerful and designed for precise cutting, Robokatta RDS-14P is a new concept in Rail Disc Saws.

With a perfectly perpendicular cutting action, Robokatta is particularly suited to making the isolated joints integral to automatic signalling systems, where consistently accurate right-angle cuts in the horizontal and vertical axes are essential.

In manual mode, Robokatta offers a two-joint support arm for simple and precise operation in the cutting plane, minimising the working weight of the machine for the operator.

While the innovative automatic mode allows the operator to be in control, but away from the machine during the cutting phase and

thereby subject to:

- **Vibration:** Zero
- **Physical Effort:** Zero
- **Harmful Dust:** Zero
- **Sparks:** Zero
- **Exhaust Fumes:** Zero
- **Acoustic Noise:** Minimum



Design features:

In both manual and automatic modes, Robokatta offers tremendous advantages over other rail saws including:

- "Expert operator" cutting times and accuracy obtained due to:
 - Rigorously engineered support arms
 - Patented self-adjusting belt tension system
- Speed control device to optimise disc performance, minimising consumption and consequently delivering the greatest number of cuts

- Elastic system for vibration damping
- One-piece disc support arm and hub coupled to the fixing arm provides maximum rigidity and cutting precision
- Metallic disc protection casing with angular regulation device is not affected by vibration, so assures operator security and optimum visibility
- Transportation handle designed to assist motor protection

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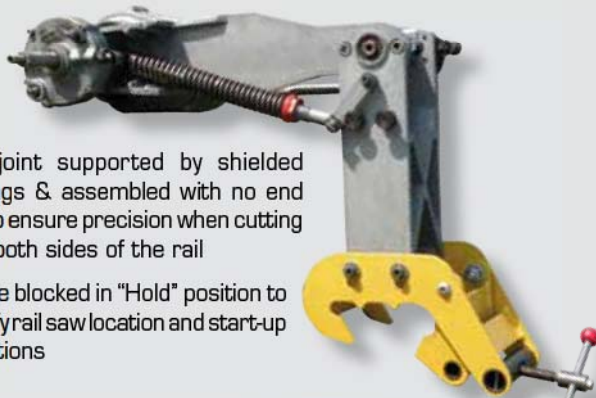
Technical characteristics:

- Husqvarna 2-stroke engine with electronic start and 5 stage air filter; 7.9 HP (5.8 kW) at 9750 rpm
- Pulley transmission with centrifugal clutch and trapezoidal tooth belt
- Tank capacity: 1,25 l
- Cutting disc diameter: 350/400 mm (14 - 16 in.)
- Disc support shaft diameter: 25,4 mm (1 in.)
- Dimensions (without disc)
 - Length: 798 mm
 - Width: 285 mm
 - Height: 440 mm
- Weight:
 - Without support arm: 18 kg
 - Weight of manual support arm: 8,8 kg
 - Weight of automatic support arm: 18,8 kg



AA-RDS automatic support arm

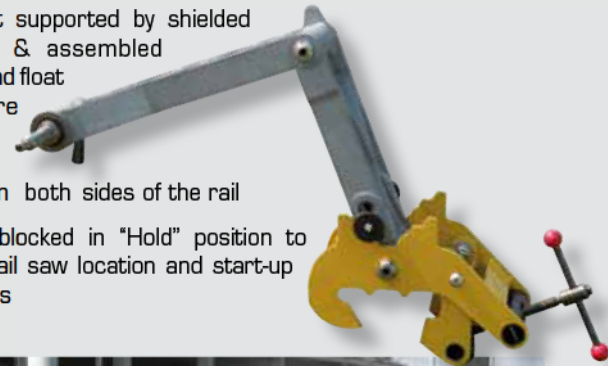
- Powered by the rail saw engine to simulate the movement of a skilled operator during the cutting phase
- Original clamp configuration for better and safer coupling to the rail being cut
- Exact cutting position indicator integrated into the clamp
- Ability to invert the rail saw easily and quickly to continue cutting on the other side of the rail, without relocating the clamp and support arm



- Arm joint supported by shielded bearings & assembled with no end float to ensure precision when cutting from both sides of the rail
- May be blocked in "Hold" position to simplify rail saw location and start-up operations

SA-RDS manual support arm

- Original clamp configuration for better and safer coupling to the rail being cut
- Exact cutting position indicator integrated into the clamp
- Equipped with two joints for easy and precise operation in the cutting plane, minimising operator effort
- Based on the type of rail being cut, the breadth of movement necessary can be set
- Ability to invert the rail saw easily and quickly to continue cutting on the other side of the rail, without relocating the clamp and support arm
- Arm joint supported by shielded bearings & assembled with no end float to ensure precision when cutting from both sides of the rail
- May be blocked in "Hold" position to simplify rail saw location and start-up operations



"Expert operator" cutting times and accuracy in automatic and manual modes