

## ROBOKATTA RDS-14P-AA

Comprising the **RDS-14P** railsaw and the “active” arm **AA-RDS**, Robokatta is a new concept in Rail Disc Saws, robust, powerful and designed for precise cutting.

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

# AUTOMATIC RAIL DISC SAW

**New**



## 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



**RDS-14P** rail disc saw

## 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



## Optional Accessories:

### VAL RDS

case for storage of the RDS-14P rail saw and AA-RDS active support arm.



### SSR1

stabiliser support for short rail lengths.



### High quality discs

The RDS-14P is optimised to use the following discs with appropriate "RAIL" marking:

#### HDS 350

355 x 25.4 mm  
(14" x 1")

#### HDS 400

406 x 25.4 mm  
(16" x 1")



It is also possible to use discs type 350x22.23 mm by replacing the railsaw centering bush (14" x 7/8")

*Above disc dimensions: external diameter x centering hole diameter*

### SA-RDS

Support arm for using the RDS-14P rail disc saw in manual mode.



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