

AUTOMATIC RAIL DISC SAW

ROBOKATTA

presents a new concept in Rail Disc Saws by combining a powerful and robust Saw with the worlds first Automatic Support Arm which, during the cutting phase, allows the operator to be in control but away from the machine and therefore subject to:

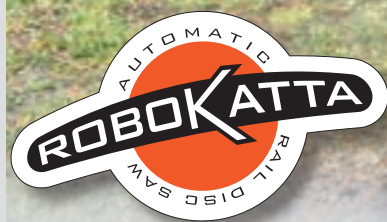
Designed for precise cutting, Robokatta Automatic Rail Disc Saw has the perfectly perpendicular action essential for making the consistently accurate right-angle cuts in both axes that are fundamental to the reliability of isolated joints in automatic signalling systems.

For traditional Manual operation, the alternative two-joint Support Arm combines simplicity with precision and minimises the working weight of the Saw for the operator.

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

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:** 19 kg
 - **Weight of manual support arm:** 8,5 kg
 - **Weight of automatic support arm:** 19,8 kg



AUTOMATIC RAIL DISC SAW

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 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 switch off at end of cut
- Automatic alarm for air filter cleaning
- Switch off the machine or reset the air filter cleaning alarm via the Auxiliary Switching Device supplied.



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
- Can be switched to manual mode.



“Expert operator” cutting times and accuracy in automatic and manual modes

VERSIONS OF AUTOMATIC RAIL DISC SAW

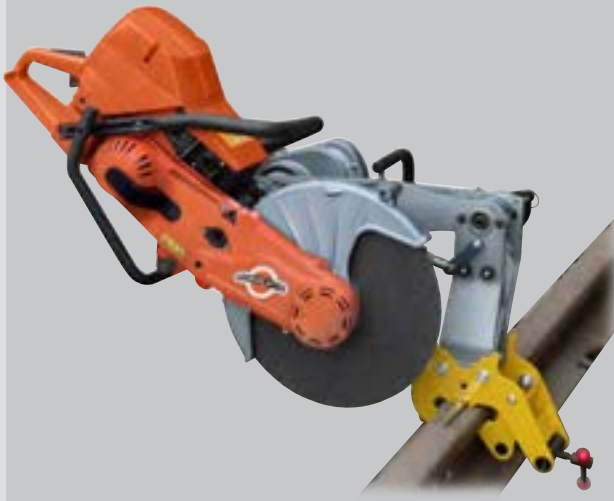


RDS-14P-AA

It is suitable to cut the following rails* :

40E1 (S41-R14)
 41E1 (S41-R10)
 45E2 (DSB45, DSBV)
 46E2 (U33)
 46E3 (NP46)
 49E3 (S49B)
 50E2 (EB50T)
 50E3 (BV50)
 50E4 (UIC50)
 50E6 (U50)
 R50
 54E3 (S54)
 54E1 (UIC54, SBBIII)
 60E1 (UIC60, SBBVI)
 R65
 VST36

* In case of other Vignole rails not included in the list, contact Cembre.



RDS-14P-AAY1

It is suitable to cut the following girder rails* :

52R1 (Ri Ir)
 53R1 (Ri 53-R13; Ri 53)
 56R1 (Ri Ic)
 57R1 (Ph 37)
 59R2 (Ri 59-R13; Ri 59N)
 60R1 (Ri 60-R10; Ri 60)
 60R2 (Ri 60-R13; Ri 60N)
 61C1 (Ri Ii)
 62R1 (NP4aM)
 62R2 (NP4aS)
 67R1 (Ph 37a)
 105C1 (D180/105)

* In case of other girder rails not included in the list, contact Cembre.



• If already in possess of Robokatta for Vignole rails and need to work also on girder rails is possible to purchase:

**AA1-RDS automatic support arm
for girder rails**



KIT KY1-RDS clamp for girder rails



OPTIONAL ACCESSORIES FOR AUTOMATIC RAIL DISC SAW

Optional accessories:

VAL RDS

Case for storage of the RDS-14P rail saw.

VAL AA-RDS

Case for storage of the AA-RDS automatic support arm.



SSR1

Stabiliser support for short rail lengths.

Cutting discs

For ROBOKATTA best performance use Cembre C-REX cutting discs:

Robokatta	Ø Disc	Ref.
1" (25,4 mm)	14" (335 mm)	CRDL4381
	16" (406 mm)	CRDL6401
7/8" (22,2 mm)	14" (335 mm)	CRDL4387
	16" (406 mm)	CRDL6407

C-REX



Contact Cembre for ROBOKATTA version equipped with 22.2 mm (7/8") diameter disc support shaft

SA-RDS manual support arm

Support arm for using ROBOKATTA in manual mode only.

