

# DRILLING MACHINES LD-1P-ECO

## *Machinery for drilling tracks and railway equipment*

Cembre Rail Drilling Machines, LD-1PY-ECO have been specifically designed for use in Railway applications, to provide a consistent and accurate hole, in all types of weather conditions.

Due to their compact size, our drill can save considerable time by allowing direct operation in cases which would normally require removal of obstructions.

Special twist drill bits can be used for hole diameters 9/32 to 1 1/8" on rail up to 3 1/2" thick.

Whilst broach cutters can be used for hole diameters 3/4" to 1 1/2" on rails up to 2 3/4" thick.

The drills are provided with a coolant system consisting of a reservoir and pump for use with suitable cooling lubricants.

Connection to the rail drill is by a quick coupler.

The units are lightweight and ideally suited for one man operation.

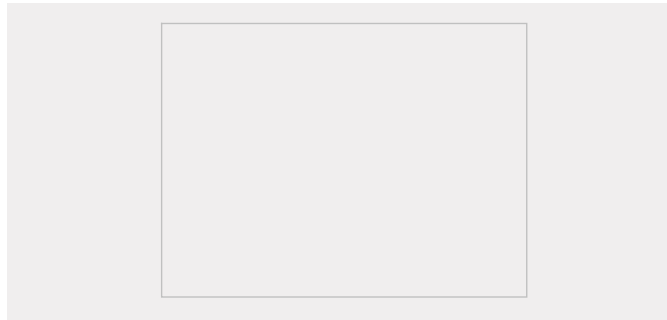


## Typical mounting of drilling machines

### *Typical fixing situations:*

#### **On the Rail Web**

This system is ideally suited to working when the track is under possession or if not under possession when adequate train sighting provision is in place, however removal from the rail can be quickly achieved if so required. Using this arrangement, a hole can be drilled in close proximity to a sleeper.



## Typical applications of rail drilling machines

<b>ON RUNNING RAILS</b>		
<p><b>STANDARD USE</b></p> <p>DBG-Y over rail clamp equipped with TDB- 6 termination</p>	<p><b>DRILLING BY THE GUARD RAIL</b></p> <p>DBG-GR over rail clamp equipped with TDB-1 termination</p>	

		
<b>ON GIRDER RAIL (for example 128 or GGR 118)</b>		
<b>DBG-LY</b> over rail clamp Specific positioning template <b>MPAF</b> Use of 2" depth of cut broach cutters	The design of the template (combination) allows positioning on both sides of the rails	
		

CERTIFICATES 

 EN 13977  BT 2006/42/CE

# DRILLING MACHINES LD-1P-ECO

## *Technical characteristics*

### PROPERTIES

Minimum thickness of the rail	0.28 in.
Maximum thickness of the rail	1.57 in.
Displacement	45.4 cm <sup>3</sup>
Motor revolutions (to the minute)	7500 rpm
Motor power	1.4 kW
Weight	41.58 lbs.



# DRILLING MACHINES LD-1P-ECO

*On request*

## Rail shoes

### Templates for positioning rail drills MP

Template for positioning rail drills MPAU	Templates for positioning rail drills MP
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### Vertical positioning templates MPAS

MPAS 35G-GP	MPAS RI60N
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## Storage

### CASE VAL

Plastic carrying case VAL P24	Plastic carrying case VAL P24-CS	Steel carrying case VAL LD-SR
Steel carrying case VAL MPA		

## Accessories

### - Swarf collector MSC

### SPA/2 - Device SPA/2-HSB

### POSITIONING JIG MRF- - Joint bar positioning gauges MRF

### Templates for positioning rail drills MP

Check rail template MPAF UIC33	MPAF NP4AM	MPAF RI60N
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## Drill Bits

### SPECIAL SPIRAL TWIST BITS PE

PE130	PE160	PE190
PE220	PE70	

## Adaptors

### Adapter APED

APED130	APED135/165	APED70
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*In the same kit*

## Accessories

### Coolant unit SR5000 - Coolant unit SR5000

*Products used together*

Accessories

**POSITIONING JIG MRF-**

Positioning Jig MRF SR-SF

Positioning Jig MRF SR-SFA

*Alternative names for this product*

**SNCF - SNCF 11002**