

DRILLING MACHINES LD-4EF

Machinery for drilling tracks and railway equipment

Cembre Rail Drilling Machines 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 7 to 27,5 mm on rail up to 45 mm thick.

Whilst broach cutters can be used for hole diameters 13 to 40 mm on rails up to 50 mm 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.

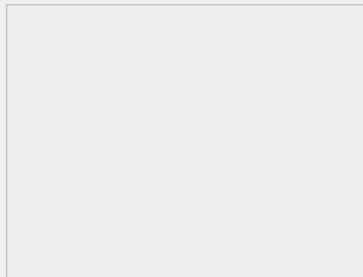


Typical mounting of drilling machines

Typical fixing situations:

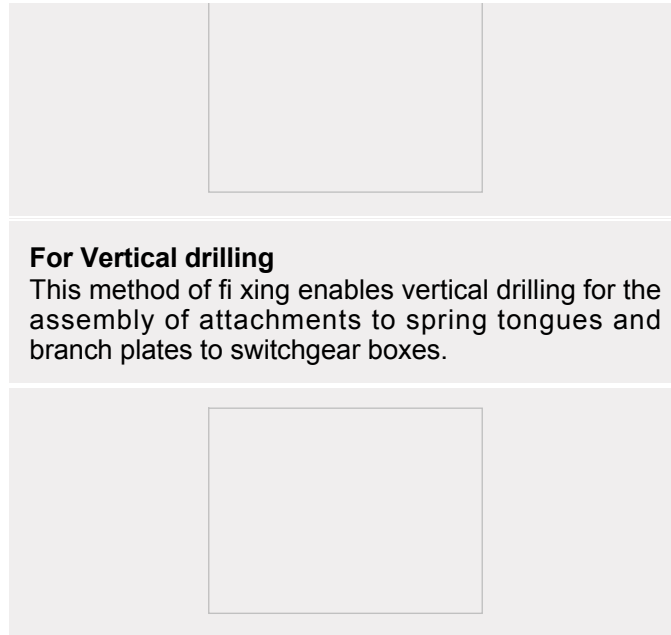
On the Rail Web

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.



To the Rail Flange

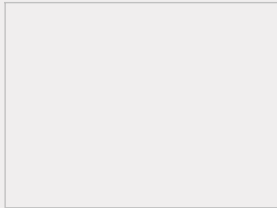
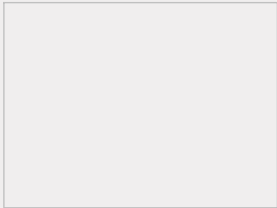
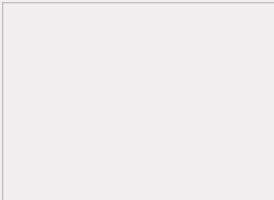
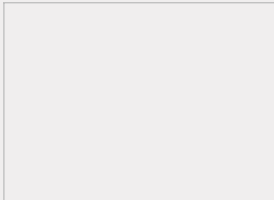
In this situation the drill slides under the rail and can therefore be left in position during the passage of a train. Work can be carried out either side of the four foot zone.
(except model LD-41P)

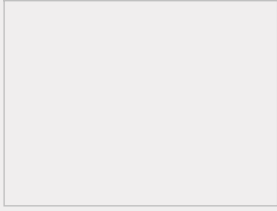
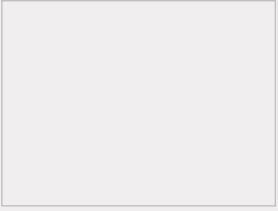


For Vertical drilling



This method of fixing enables vertical drilling for the assembly of attachments to spring tongues and branch plates to switchgear boxes.

Typical applications of rail drilling machines

<p>ON RUNNING RAILS</p>	
<p>STANDARD USE DBG-F2 over rail clamp equipped with TDB- 6 termination</p>	<p>DRILLING BY THE GUARD RAIL DBG-F2 over rail clamp equipped with TDB- 3 termination</p>
	
<p>ON GIRDER RAIL (e.g. Ri 60 Np4)</p>	
<p>DBG-LF2 over rail clamp Specific positioning template MPAF Use of long broach cutters CYL range</p>	<p>The design of the template (combination) allows positioning on both sides of the rails</p>
	

ON CHECK RAIL	ON CONDUCTOR RAIL
<p>DBG-UIC33 over rail clamp Specific positioning template MPAF-UIC33 SPACER UIC33 spacer block Use of long broach cutters CYL range</p>	<p>DBG-LF2 over rail clamp equipped with TDB-1 termination for 150LB conductor rail drilling Specific positioning template MPAF-106LB or MPAF-150LB</p>
	

CERTIFICATES 

 BT 2006/42/CE  EN 13977

DRILLING MACHINES LD-4EF

Technical characteristics

PROPERTIES

Minimum thickness of the rail	7 mm
Maximum thickness of the rail	33 mm
Weight	17 kg
Motor voltage	230 V
Motor frequency	50 Hz
Motor power	1.8 kW
Fuel	Single phase electric



DRILLING MACHINES LD-4EF

In the same kit

Tools

- Over rail clamp (for use with rail possession) DBG-F2

Accessories

Adaptor ARE - Adaptor ARE

Range of tools #KIT LD

Allen key 5mm #AK 5

Allen key 6mm #AK 6

Allen key with handle 4mm #AKH 4

Swarf brush #SB

SPACER DPE - Spacer DPE

Coolant unit SR5000 - Coolant unit SR5000

Socket head cap screw #TCEI

Socket head cap screw M6x16 #S
TCEI M6x16

Socket head cap screws #G M8x10

Socket head cap screws M6x25 #S
TCEI M6x25

On request

Accessories

Guard rail clamp DBC	Swarf collector MSC	Under rail clamp DBSN
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Positioning templates for axle counter gauge location holes MSPAF

MSPAF-ACG-BS80A	MSPAF-ACG-109LB	MSPAF-ACG-98LB
MSPAF-ACG-BS113A	MSPAF-ACG-BS95RBH	MSPAF-ACG-UIC60

Templates for positioning rail drills MP

Check rail template MPAF UIC33	Conductor rail template MPAF 150LB	Conductor rail template MPAF-106LB
MSPAF 50UNI	MSPAF U69	MSPAF UIC54
MSPAF UIC60	Templates MPAF 35G	Templates MPAF NP4AM
Templates MPAF RI60N		

POSITIONING JIG MRF- - Clamp MRF

SPA/2 - Device SPA/2-HSB

Templates

Templates for positioning rail drills MP

Template for positioning rail drills MPAU	Templates MPDU
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Storage

CASE VAL

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

Tools

Device for clamping the drill to girder rails DBG-LF2	Over rail clamp DBG-UIC33
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Broach cutters

CEMBRE BROACH CUTTERS CY - CEMBRE BROACH CUTTERS CY

CEMBRE BROACH CUTTERS CYL - CEMBRE BROACH CUTTERS CYL

Products used together

Accessories

POSITIONING JIG MRF-

Positioning Jig MRF SR-SF	Positioning Jig MRF SR-SFA	POSITIONING JIG MRF U300-S
POSITIONING JIG MRF U500-S	Positioning Jig MRFT SRA	