

# Erosion drills and accessories

## 14934 - 14935 Erosion drills eromobil®

### The new eromobil®

#### More compact, more functional, more practical

Since it was invented in 1972, the **eromobil®** has been, and remains to this day, the most effective solution for tool breakage. Broken-off screw taps, twist drills, reamers, etc. can be eroded in minutes. The device can be used quickly on column, radial and magnetic drills, milling machines, drilling equipment, as well as CNC machines. This minimises production downtimes and avoids damage to workpieces and additional costs. With its new design, the **eromobil®** is more compact and functional. The new intelligent design integrates all components in a clear and space-saving way, handling is easy and comfortable.

#### Functional principle

The hollow electrode is clamped in the oscillating head. Its diameter is smaller than the broken-off tool. The centre of the broken-off tool is dismantled during erosion. The cutting edges then loosen and can be removed easily. The electrode does not come into contact with the workpiece meaning the thread remains undamaged. The drilling emulsion usual in operation is used as a cooling lubricant.

Generator in the robust, compact housing with ergonomic handles for easy lifting and transporting

Supply hose 2 m from the generator to the oscillating head (up to 7.5 m deliverable)

Oscillating head with ergonomic handles, LED indicator light and straight-shank mount 12 mm

Magnetic stands (optional)

Earthing cable 2 m with workpiece clamp (up to 7.5 m deliverable)

Front view

#### 14935 103

##### WiFi inspection camera

- For smartphone and tablet, for Android and IOS devices
- Diameter of camera 8 mm
- Length: 80 mm
- Bending radius 45 mm
- Includes 3 interchangeable magnetic tips



#### 14935 105

##### Oscillating head mount:

MK2 directly into the sleeve of a machine tool.



#### Two models are available

##### eromobil®-er 230 s-ND

- For threads from M2 up to approx. M20
- 220/230 V
- 50 Hz alternating current
- 3.6 kVA
- 16 amp

##### eromobil®-er 400 t-ND

- For threads from M2 up to approx. M40
- Ideally suited for deep drilled holes and cemented carbide tools
- 380/400 V
- 50 Hz three-phase current
- 6.0 kVA
- 16 amp

#### Supplied as standard

- Generator in the trolley
- Oscillating head
- Supply hose
- Earthing cable
- Coolant pump
- Coolant tank
- 1 each of open-ended spanner sizes 19 and 24
- 10 splash guard bags

Storage compartment for oscillating head, supply hose and earthing cable



Open cover housing compartment with oscillating head and supply hose

Trolley with footprint for coolant pump and tank, with smooth-running locking rollers

Coolant tank with two chambers for intake and return, with practical carrying handles



Rear view

Tool drawer with internal compartment settings for electrodes, collet chucks, open-ended spanners, splash guard bags and accessories that can be pulled out on smooth-running profile rails



Coolant pump for effective rinsing with approx. 3.4 bar pressure including 2-m intake hose with foot valve and 2-m pressure hose with quick-action coupling (hoses up to 5 m deliverable)

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Special accessories	14935	...
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Continued

Continued **14936****Copper electrodes****Applications**

For tools made of HSS.

**14937****Collet chucks****14936****14937****Note:**

Special electrodes up to a diameter of 30 mm and 1000 mm in length, as well as electrodes made of graphite and tungsten-copper for machining of cemented carbide tools and square copper hollow electrodes from 3 x 3 mm to 30 x 30 mm are deliverable on request.

Electrode Ø x length mm	for thread M	14936	...
1.0 x 250	2-2.6	101	
1.5 x 250	3	102	
2.0 x 250	4	103	
2.5 x 250	5	104	
3.0 x 250	5-6	105	
3.5 x 250	6	106	
4.0 x 250	6-8	107	
4.5 x 250	8	108	
5.0 x 250	8-10	109	
6.0 x 250	10	110	
7.0 x 250	12	111	
8.0 x 250	12-14	112	
10.0 x 250	16-20	113	

Collet chucks Ø mm	14937	...
1.0	101	
1.5	102	
2.0	103	
2.5	104	
3.0	105	
3.5	106	
4.0	107	
4.5	108	
5.0	109	
6.0	110	
7.0	111	
8.0	112	
10.0	113	