

Connection and Operation

Main voltage must correspond to the operating voltage marked on the rating plate. The tool can be plugged into plain or safety sockets. Switch must be in the "Off" position when connecting. Type 1012 with anvil offset through 90° is used for working on profile sheet and corrugated sheet with closely spaced corrugations. Cutting direction: at right angles to motor axis. To cut holes or openings of any kind, first drill a pilot hole of approx. 19 mm dia., so that the anvil can be introduced. Lubricate the cutting edge by applying a little oil with a brush along the scribed line on the sheet.

Attention! Welding seams must not be cut! Never work with blunt blades and dies!

The edge of the cutter insert must also be sharp at all times. The use of blunt cutting edges imposes an excessive load on the anvil which is likely to fracture. Blunt blades and dies should be replaced.

Maintenance and Lubrication

Before carrying out any maintenance work always remember to pull out the plug.

Every 300 duty hours the tool should be cleaned thoroughly in order to guarantee the safety given by the protective insulation. For this purpose carbon holders and insulated parts must be cleaned by means of a brush or by blowing out the tool with dry pneumatic air or a hand blower.

After checking carbon brushes for wear, make sure that they are refitted in their original position and that they move easily in their holder. They should be replaced at the latest when they have worn down to 7 mm. Please, only use original Dräco carbon brushes. After fitting new brushes, run tool unloaded for about 15 minutes to allow brushes to bed in.

In order to prevent accidents check cable (170) at regular intervals. To replace it see under Dismantling.

From time to time, apply a few drops of oil to the slot in the anvil to lubricate the blade guides. Loosen screw (660), every day, and apply a few drops of oil here, to lubricate the slides of plunger (670), the connecting rod (720) with the roller (730), the needle bearing (740) and the ball bearing (460).

The gear head, being the power transmitting element requires a good lubrication. The gear grease should be renewed after approx.

300 working hours. Please, only use or special Dräco grease HW04010101004. In order to prevent overheating of the bearings the space between inner and outer ring of the bearing should be filled only about 1/3 with grease.

Please, be sure that electric parts are only cleaned dry. No claims can be entertained for damage due to negligent maintenance or inadequate lubrication.

Dismantling

The tool should only be taken apart by an expert.

1. Unscrew screws (220, 230), then take off handle cover (210).
2. Loosen connection cable from switch (140) and draw out switch. Clamp off motor cable. Unscrew screw (130), take out carbon holder (100, 101), remove screw (160) and draw out interference capacitor (150).
3. Loosen cylindrical screw (750) and take off nibbler head. (Do not lose the needle bearing).
4. Unscrew two hexagon socket screws (430) and remove outer bearing (440), unscrew four cylindrical screws (570) and take off intermediate bearing (400).
5. Draw out armature (260). In case of damages of the pinion, unscrew three screws (310) and remove armature pinion (300).
6. Draw insulating ring (90) out of motor housing (10), unscrew cylindrical screws (80) and take out pole housing (60).

Reassemble in reverse sequence.

Attention! Hits and blows on the fan wheel affect the good running conditions of the armature and should be avoided.

Repair and Spare Parts

We recommend our Dräco Service Stations to carry out all overhaul and repair work Quickly and expertly.

To take off the gear wheel (500), we deliver a dismantling device on demand.

When ordering spare parts, please, quote model and serial No. in addition to order reference or send in sample part.

We draw your attention to the need to carry out a high voltage test in accordance with your local regulations (or VDE regulation 0740) before taking a tool into service after any repair carried out by your own staff.

Environmental protection



Recycling raw materials instead of waste disposal. Machine, accessories and packaging should be sorted for environment-friendly recycling.

These instructions are printed on recycling paper manufactured without chlorine



Declaration of conformity

We declare under our sole responsibility that this product is in conformity with the following standards.

EG 98/37 EG, EG 73/ 23 EG, EG 89/336 EG, or standardisation documents EN 292 part I, EN 292 part II, EN 50 144, EN 55 014,

EN 60 555, HD 400, HD 400.3 part II/H



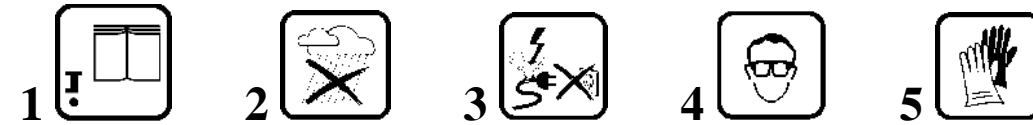
09 Max Draenert



Operating Instructions for Electric Nibbler 1012

To avoid any disturbance please read the following instructions:

For your safety:



1 Safe operation of this machine is possible only when the operating instructions and the safety precautions are read completely and the instructions contained therein are strictly observed.

2 The machine must not be used when damp and must not be operated in a wet environment.

3 Always inspect cable and plug before using machine. Only have damage repaired by a qualified professional. Put the plug into the mains socket only when the machine is switched off.

4+5 Always wears protective goggles, protective gloves and heavy-duty shoes when working.

- Do not carry the machine by the cable.
- Always remove the plug from the power supply socket before carrying out any work on the machine, when interrupting work and when not using the machine.
- Always place the cable to the rear away from the machine.
- Apply the machine to the sheet metal only when switched on.
- Always provide for secure footing when working.
- Firmly clamp the work piece if it dose not remain stationary from its own weight.
- The knife should not rub on the jaws: Possible danger of cutting tool breakage.
- Do not exceed the maximum allowable material thickness especially when cutting over doublers, folded joints or welded seams.

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☞ **For further notes on safety refer to enclosed sheet**

Technical Data:

DRÄCO Corrugated Nibbler	type	1012
max. cutting capacity	Art.no	61200
steel	400 N/mm ² mm/ga.	1,3 / 18
stainless steel	600 N/mm ² mm/ga.	0,5 / 25
non ferro	250 N/mm ² mm/ga.	1,0 / 19
depth of profiles max.	mm/inch	120-250 / 4¾-10
tightest radius	mm/inch	30/1¼
working speed	m/min	1,3
strokes	min ⁻¹	1150
motor capacity	Watts	280
weight	kg	1,8

1012	
spare parts	
punch	12002
die	12009
screw	12123
optional accessories	
metal-box	18000
nibbling oil (bottle 1,0L)	20198
nibbling oil (spray 0,5L)	20199

