



## Nibblers

DRÄCO offers three machine types for the cutting of a variety of materials such as mild steel, stainless steel, non-ferrous metals and plastics. All three provide distortion-free cutting, easy guidance and unsurpassed maneuverability as the PN 4320 shows us.

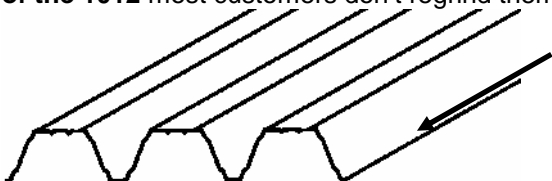
Corrugated and trapezoidal profiled sheet-metal can be cut cleanly without jamming using nibblers 1213, 1216, **PN 4360** and **PN 4361**. Wide open angles allow the tools axis to tilt up to 60 degrees in either direction while cutting. This is sufficient for most common shapes and depths.

The most flexible and **universal nibbler** for corrugated materials is the **1213Z**

With the **PN 4361** the punch and die are located at the end of a long shaft. This arrangement allows the cutting of deep profile material up to 160 mm depth.

The punches of the nibblers are constructed of tempered, high speed tool steel and are regrindable to provide a long tool life.

Exception: Because of the **low priced punches of the 1012** most customers don't regrind them.



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DRÄCO Nibblers work with a punching cut. Downward chip discharge guarantees clear view of the working area.

For the PN 4320 an optional chip bag provides a clean and simple method of chip collection. A special circle guide for round inside cuts (#20200) increases the options for this nibbler. With this device, small jobs and complicated parts can be produced simply and precisely. Rounded corners and circles are easy to produce.

DRÄCO nibblers offers a superior, emission free and environmentally safe alternative to traditional methods of cutting with abrasive wheels, reciprocating blades or gas and plasma torches. Easy operation makes the DRÄCO nibblers an ideal work companion.

### Our advice:

For speedy cutting of corrugated material **length wise**, it's ideal to use the DRÄCO metal shear S1001N-1 or 2020 depending on the material thickness.



# NEW

## Cold and emission-free operation

- n extremely maneuverable, easy operation
- n fast, safe cutting of corrugated, trapezoidal and square sheet profiles
- n high cutting capacity
- n chips ejected below material, guarantees clear, unimpeded view of the working area and the cutting line
- n cuts all materials that can be punched, such as mild steel, stainless steel, aluminum, non ferrous metals and plastics
- n crosswise and angle cut of corrugated materials
- n Optimum ease of use, excellent maneuverability and curve-going.
- n High cutting speed for rapid work
- n Tool free adjustment of the working direction in steps of 45°
- n long life tools
- n superior, emission-free operation
- n free from sparks or heating
- n no damage or scratch marks to painted or coated materials
- n Simple tool changing without requiring re-adjustment.



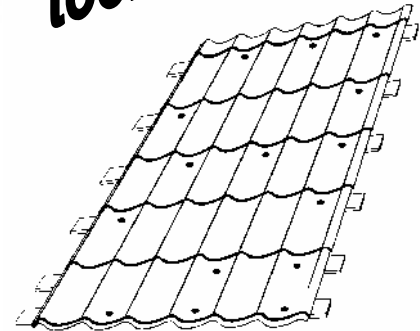
Profile set 160 mm

# DRÄCO® Corrugated-electric Nibbler 1213Z

Successor of 1012



### Quick IN'OUT tool free!



metal tiles



corrugated & trapezoidal sheets

DRÄCO Corrugated Nibbler	type	1213Z
<b>max. cutting capacity</b>	<i>Art.no</i>	61207Z
steel	400 N/mm <sup>2</sup> mm/ga.	1,3 / 18
stainless steel	600 N/mm <sup>2</sup> mm/ga.	0,5 / 25
non ferro	250 N/mm <sup>2</sup> 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 <sup>-1</sup>	1500
motor capacity	Watts	350
weight	kg	1,8

1213Z spare parts	
punch	12130002
die	12130003
optional accessories	
<b>Profile set 160 mm kpl.</b>	<b>12160005</b>
metal-box	18000
nibbling oil (bottle 1,0L)	20198
nibbling oil (spray 0,5L)	20199

all units are ready to use

other voltages available



# Corrugated-electric Nibbler 1216

## Cold and emission-free operation

Flexible nibbler for thin sheet metals, trapezoidal sheet metals, corrugated sheet metals and profiles.

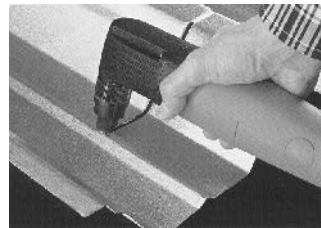
- n HIGH-POWER-MOTOR for unmatched performance and durability.
- n Unique nibbler for sheet metal up to 1,6 mm.
- n Ideally suited for all trapezium sheet materials up to 85 mm deep.
- n Profile set for all deep-channel sheet metals.
- n Very low operating costs by die and punch with long service life.
- n Optimum ease of use, excellent maneuverability and curve-going.
- n High cutting speed for rapid work
- n Tool free adjustment of the working direction in steps of 45°.
- n Simple tool changing without requiring re-adjustment.
- n Also overlay areas can be cut.



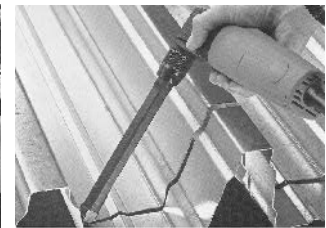
Profile set 160 mm



**Quick IN'OUT  
tool free!**



Standard



with Profile set 160

**NEW**

Other versions:

Typ		Art.no
1216KL	incl.Profile set 160 =short+long	61207KL
1216L	only with Profile set 160 = lang	61207L



corrugated & trapezoidal sheets

DRACO Corrugated Nibbler		type	1216
<b>max. cutting capacity</b>		Art.no.	61207
steel	400 N/mm <sup>2</sup>	mm	1,6
stainless steel	600 N/mm <sup>2</sup>	mm	1,0
stainless steel	800 N/mm <sup>2</sup>	mm	0,7
non ferro	250 N/mm <sup>2</sup>	mm	2,5
depth of profiles max.		mm	85/160
tightest radius		mm	35
working speed		m/min	1,9
strokes		min <sup>-1</sup>	1500
motor capacity		Watt	350
weight		kg	1,8

1216	
<b>spare parts</b>	
punch + die SET	12160001
Punch	12160002
Die	12160003
punch f. profile set 160	12160102
die f. profile set 160	41577
<b>optional accessories</b>	
<b>profile set 160 mm cpl.</b>	<b>12160005</b>
metal-box	18000
nibbling oil (bottle 1,0L)	20198
nibbling oil (spray 0,5L)	20199

all units are ready to use

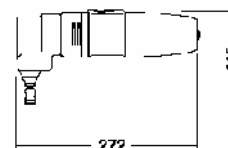
other voltages available

# Speed control!



## Nibbler PN 4320

- n portable easy operation
- n hollow round punch for 360 degree movement (rotation on the spot)
- n high capacity with burr-free cut quality
- n fast, safe cutting of all materials that can be punched, such as mild steel, stainless steel, aluminum, non-ferrous metals and plastics
- n rotating tool system allows changing cutting direction
- n cold, fume-free cutting
- n long tool life
- n grindable, easy to change tooling
- n ideal tool for internal cut-outs
- n single-hand working to scribed line, or to a template

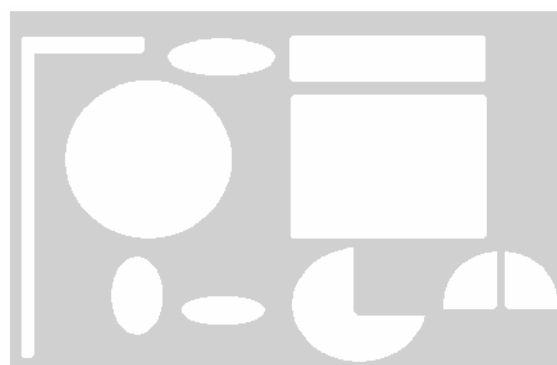


### Ideal for:

- ý control cabinet fabrication
- ý ventilation system fabrication
- ý air duct construction and installation
- ý boat and ship builders lighting fixture construction, etc.

Also available as pneumatic version for application in hazardous areas, or as a cordless tool 12 Volt ( AK 3200)

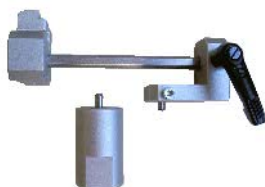
examples for cut-outs :



cutting width : 8 mm  
starting hole : 16 mm Ø



chip bag



circle guide

**adjustable circle guide:**  
60- 400 mm Ø 20200



DRACO Nibbler		type	PN 4320	
max. cutting capacity		Art.no.	61230	
			flat material	corrugated
steel	400 N/mm <sup>2</sup>	mm/ga.	<b>2,0 / 14</b>	<b>1,5 / 17</b>
stainless steel	600 N/mm <sup>2</sup>	mm/ga.	<b>1,5 / 17</b>	<b>1,0 / 19</b>
stainless steel	800 N/mm <sup>2</sup>	mm/ga.	<b>1,0 / 19</b>	<b>0,7 / 21</b>
non ferro	250 N/mm <sup>2</sup>	mm/ga.	<b>2,5 / 12</b>	<b>2,5 / 12</b>
tightest radius		mm	<b>4</b>	
working speed		m/min	<b>1,3</b>	
strokes		min <sup>-1</sup>	<b>0-1400</b>	
motor capacity		Watts	<b>500</b>	
weight		kg	<b>1,9</b>	

PN 4320	
spare parts	
punch	42499
die	42508
optional accessories	
die for corrugated material	44460
chip bag	42622
metal-box	18000
nibbling oil (spray 0,5L)	20199
nibbling oil (bottle 1,0L)	20198
circle guide	20200

all units are ready to use

speed control available in 230V only

other voltages available

# Speed control!



## Profile Nibblers



**Cold and emission-free operation**

**PN 4360: profile height up to 79 mm**

**PN 4361: profile height up to 162 mm**

### PN 4361

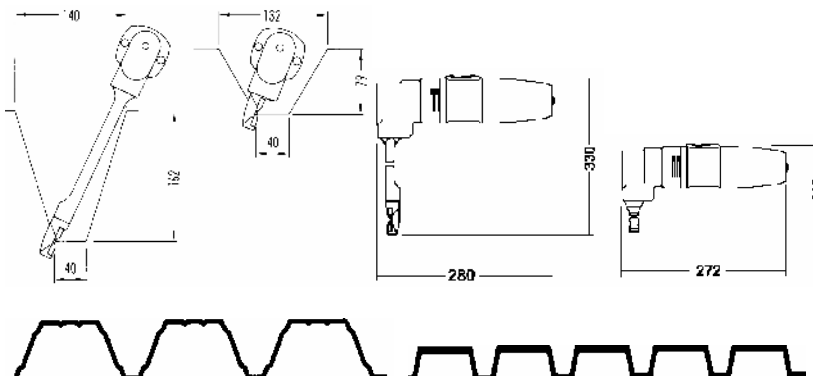
- n extremely maneuverable, easy operation
- n fast, safe cutting of corrugated, trapezoidal and square sheet profiles
- n welded seams and double sheet can be cut, even corners with acute angles
- n high cutting capacity
- n chips eject below material, guarantees clear, unimpeded view of the working area and the cutting line
- n cuts all materials that can be punched, such as mild steel, stainless steel aluminum, non ferrous metals and plastics
- n tooling system allows cutting direction to be changed as required
- n long life tools
- n regrind able, easy to change tooling
- n superior, emission-free operation
- n free from sparks or heating
- n no damage or scratch marks to painted or coated materials

ideal for:

- ý halls, factories, roof and wall in corrugated materials
- ý roofers
- ý shop installation etc.



### PN 4360



Also available as pneumatic (or cordless tools) version for application in hazardous areas

DRACO Profile Nibblers		type	PN 4361	PN 4360
<b>max. cutting capacity</b>		Art.no.	61220	61210
steel	400 N/mm <sup>2</sup>	mm/ga.	<b>1,6 / 16</b>	<b>2,0 / 14</b>
stainless steel	600 N/mm <sup>2</sup>	mm/ga.	<b>1,0 / 19</b>	<b>1,2 / 18</b>
stainless steel	800 N/mm <sup>2</sup>	mm/ga.	<b>0,7 / 21</b>	<b>1,0 / 19</b>
non ferro	250 N/mm <sup>2</sup>	mm/ga.	<b>2,5 / 12</b>	<b>2,5 / 12</b>
depth of profiles max.		mm/ "	<b>162 / 6½</b>	<b>79 / 3</b>
tightest radius		mm/ "	<b>50 / 2</b>	<b>70 / 2¾</b>
starting hole		mm/ "	<b>24 / 1</b>	<b>24 / 1</b>
working speed		m/min	<b>2</b>	<b>2</b>
strokes		min <sup>-1</sup>	<b>0-1400</b>	<b>0-1400</b>
motor capacity		Watts	<b>500</b>	<b>500</b>
weight		kg	<b>2,0</b>	<b>1,8</b>

PN 4361 & PN 4360	
<b>spare parts</b>	
punch	41576
die	41577
wear plate	41579
screw (Torx)	41022
<b>optional accessories</b>	
transport-box for PN 4361	42861
metal-box for PN 4360	18000
nibbling oil (bottle 1,0L)	20198
nibbling oil (spray 0,5L)	20199

all units are ready to use

speed control available in 230V only

other voltages available