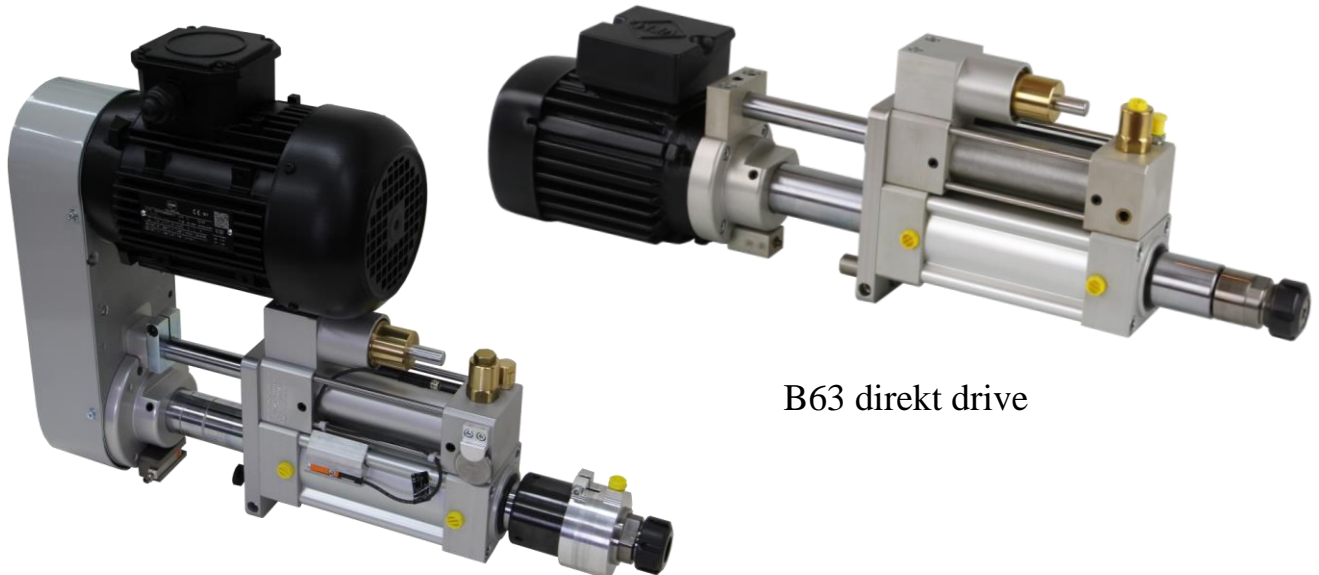


## Drilling unit B63



B63 belt drive with special spindle

B63 direkt drive

The B 63/125 R drilling unit offers versatile application options in mechanical engineering for drilling metal, wood and plastic.

### Special features:

The B 63/125 can be supplied with a patented system to detect feed and rapid motion switching, without the need for stops or cams. Thus, for example, the hole level as well as the spaces of profile materials are automatically recognised.

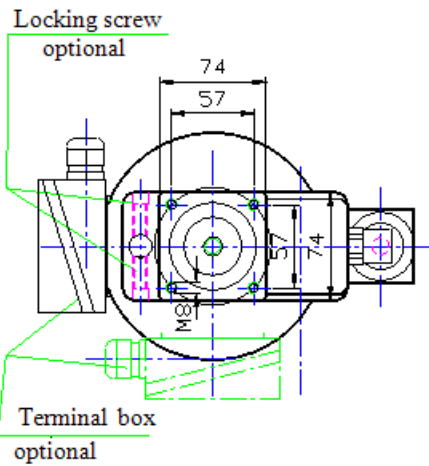
This results in much shorter drilling times than with conventional drilling units. Another special feature is that the oil brake cylinder can drive the full stroke of the drilling unit in feed and rapid mode. (In the standard version, the feed is switched on by an adjustable stop, or for an additional charge as a snap-action rapid traverse feed.).

For the drilling unit, an auxiliary cylinder can be used at any time with very little effort, for example, when the force for multiple spindle drilling is not enough.

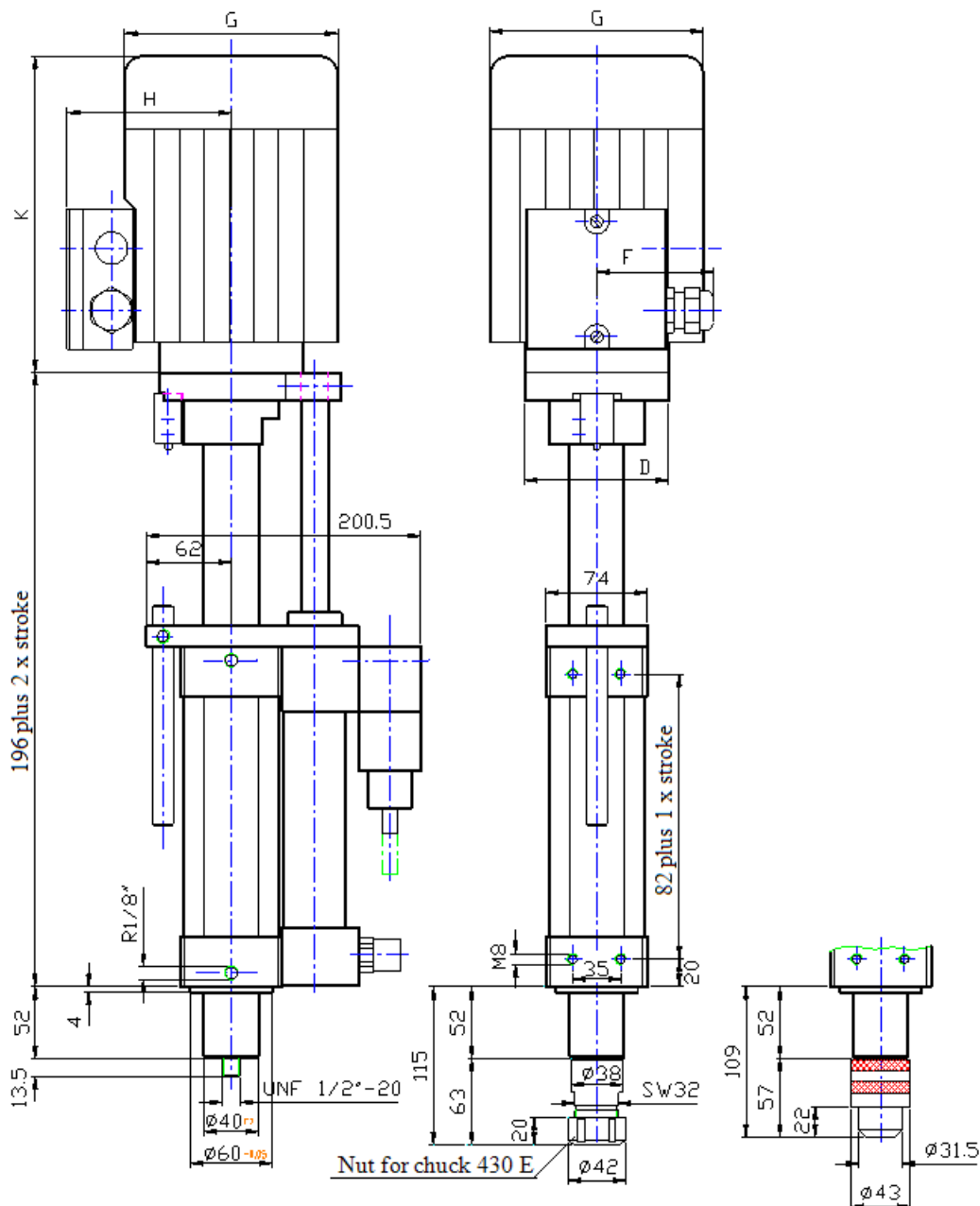
### Design:

The drilling unit is mostly made of anodized aluminium and corrosion-free or corrosion-resistant material. Seals and guides are maintenance-free, so the unit can be operated without oiler and with clean and dry air.

# Drilling unit B 63/125D with oil brake cylinder Direct drive



Motor construction dimensions	G	H	K	D	F
71	140	106	220	Ø105	75
80	159	125,5	230	Ø120	85
90	190	137	258	Ø140	-



## **Drilling unit B 63/125 D with oil brake cylinder Direct drive**

<b>Drive power:</b>	optionally 0.37 KW or 2.2 KW
<b>Spindle speed:</b>	between 750 and 3000 U/min
<b>Drive:</b>	direct three-phase motor
<b>Feed:</b>	pneumatic from 80 to max. 160 mm with oil brake cylinder, the standard stroke is 125 mm
<b>Feed force:</b>	at 6 bar 1120 N at 8 bar 1490 N
<b>Max. drilling capacity in steel:</b>	Ø11 mm, St 50
<b>Tool holder:</b>	UNF 1/2"-20 threads for drill chuck, Gang-style spindle head and chuck holder
<b>Weight:</b>	between 16 and 24.5 kg
<b>Assembly:</b>	on the head 4 x M8 with centering spigot Ø60 mm and pitch circle Ø80 mm or head and cover 4 x M8 (see drawing)
<b>Application:</b>	for drilling metal, wood and plastic.

### **Special feature:**

The B63 can be supplied with a patented system which serves to detect feed and rapid motion switching, without the need for stops or cams. Thus, for example, the hole level as well as the spaces of profile materials can be automatically recognised. This results in much shorter drilling times than with conventional drilling units.

Another special feature is that the oil brake cylinder can drive the full stroke of the drilling unit in feed and rapid motion.

On the standard version, the feed is switched on by means of signalling and a reed switch.

### **Design:**

The drilling unit is mostly made of anodized aluminium and corrosion-free/corrosion-resistant material.

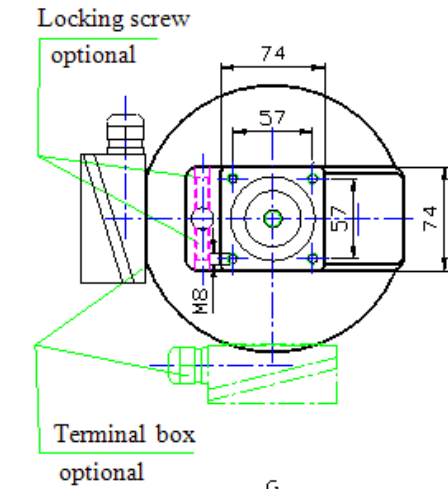
Seals and guides are maintenance-free, so the unit can be operated without oiler and with clean and dry air.

### **Equipment:**

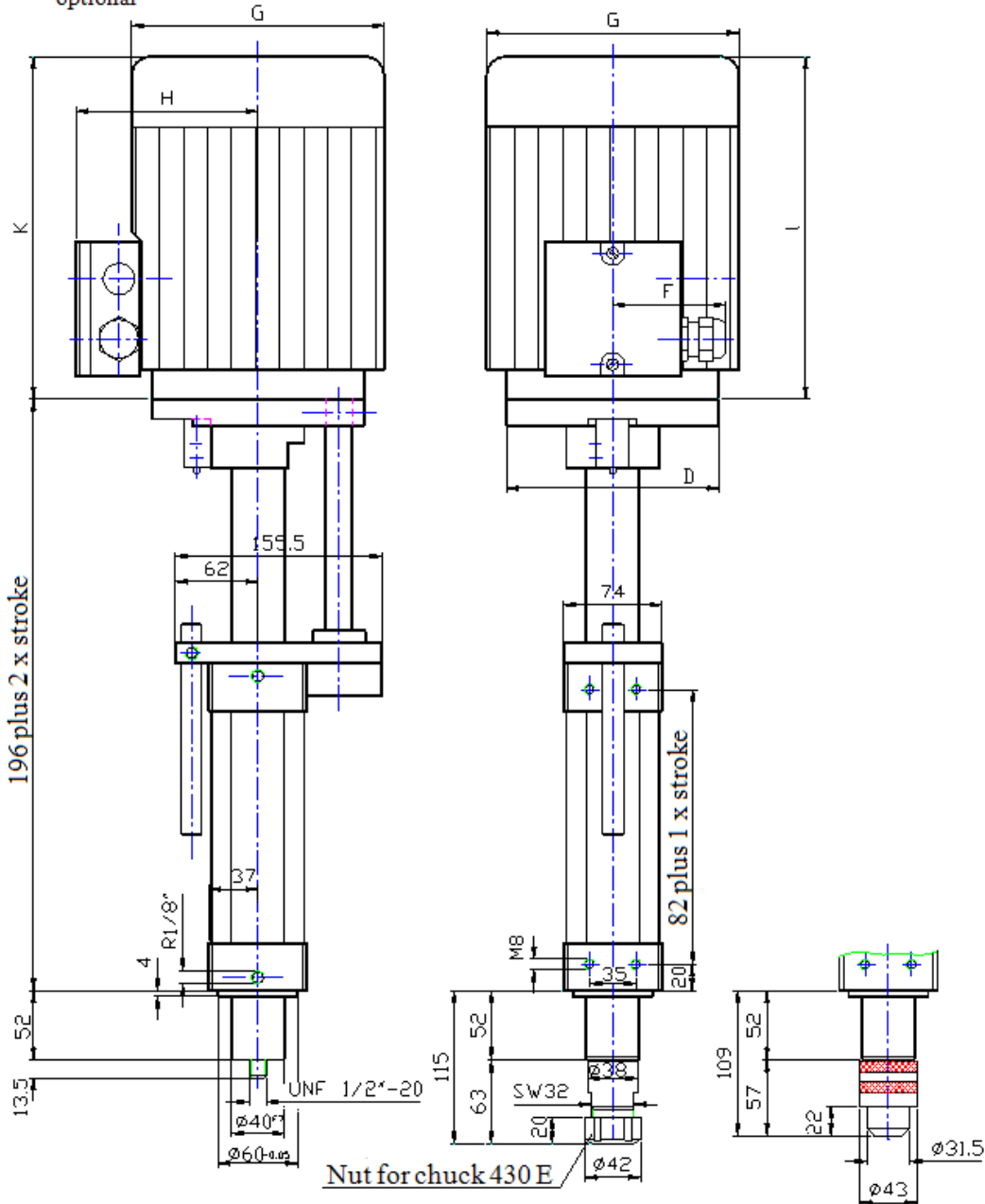
Equipped with oil brake cylinder, depth stop, pneumatic depth switch-off and signalling, as standard.

On request	- Fitting groove and pin holes - Return stroke limitation control ring - Inductive sensor for bore depth - 1 reed switch for starting position and feed switch-on - Rapid motion feed switching valve - DS1 controller for rapid motion feed
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# Drilling unit B 63/125D direct drive without oil brake cylinder



Motor construction dimensions	G	H	K	D	F
71	140	106	220	Ø105	75
80	159	125,5	230	Ø120	85
90	190	137	258	Ø140	-



## **Drilling unit B 63/125 D**

### **Direct drive**

### **without oil brake cylinder**

<b>Drive power:</b>	optionally 0.37 KW or 2.2 KW
<b>Spindle speed:</b>	between 750 and 3000 U/min
<b>Drive:</b>	direct three-phase motor
<b>Feed:</b>	pneumatic from 80 to max. 160 mm, the standard stroke is 125 mm
<b>Feed force:</b>	at 6 bar 1120 N at 8 bar 1490 N
<b>Tool holder:</b>	UNF 1/2"-20 threads for drill chuck, Gang-style spindle head and chuck holder
<b>Weight:</b>	between 16 and 24.5 kg
<b>Assembly:</b>	on the head 4 x M8 with centering spigot $\varnothing 60$ mm and pitch circle $\varnothing 80$ mm or head and cover 4 x M8 (see drawing)
<b>Application:</b>	for drilling wood.

#### **Design:**

The drilling unit is mostly made of anodized aluminium and corrosion-free/corrosion-resistant material.

Seals and guides are maintenance-free, so that the unit can be operated without oiler and with clean and dry air.

#### **Equipment:**

Equipped with depth stop and pneumatic depth switch-off and signalling, as standard.

On request

- Fitting groove and pin holes
- Return stroke limitation control ring
- Inductive sensor for bore depth
- 1 reed switch for starting position