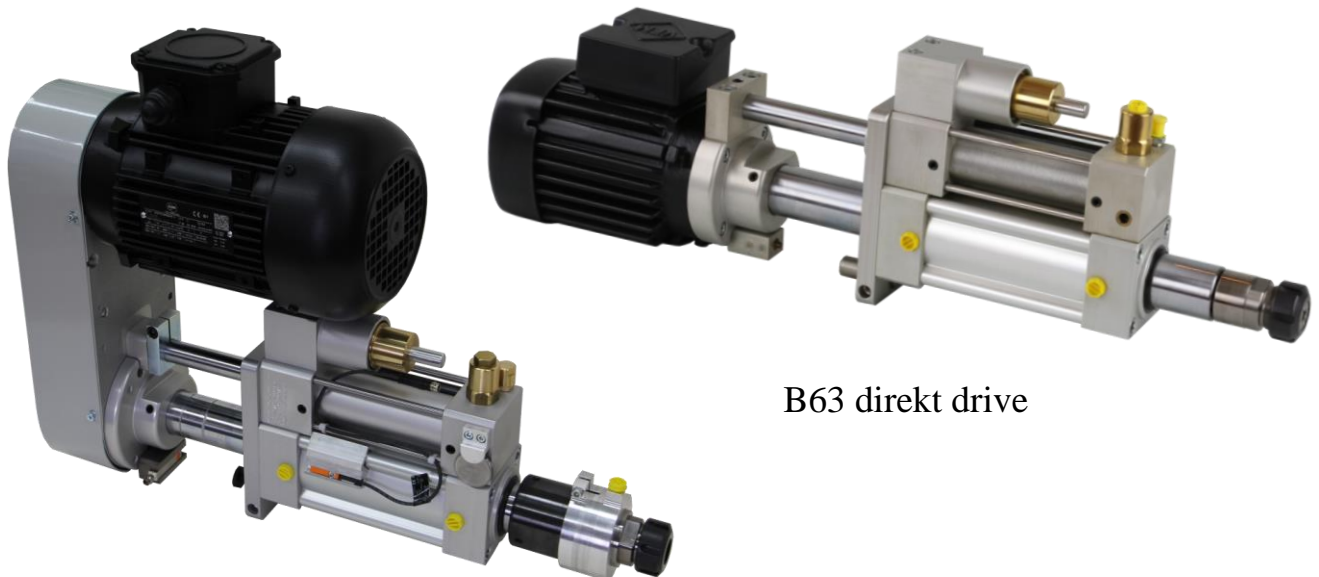


## Drilling unit B63



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 63/125 R with oil brake cylinder belt drive**

<b>Drive power:</b>	optionally 0.75 KW or 1.1 KW as a special design up to 2.2 KW
<b>Spindle speed:</b>	at 0.75 KW between 470 and 8000 U/min at 1.1 KW between 900 and 8000 U/min
<b>Drive:</b>	three-phase motor with V-ribbed belt
<b>Feed:</b>	pneumatic max. 200 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>Feed force with Auxiliary cylinder:</b>	at 6 bar 2300 N at 8 bar 3050 N
<b>Tool holder:</b>	UNF 1/2"-20 threads for drill chuck, Gang-style spindle head and chuck holder
<b>Weight:</b>	approx. 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>	drilling of metal, wood and plastic.

### **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 an adjustable power stroke, oil brake cylinder, depth stop, pneumatic depth switch-off and signalling, as standard.

On request:	<ul style="list-style-type: none"><li>- Fitting groove and pin holes</li><li>- Return stroke limitation control ring</li><li>- Inductive sensor for bore depth</li><li>- 1 reed switch for starting position</li><li>- Rapid motion feed switching valve</li><li>- DS1 controller for rapid motion feed</li></ul>
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