SOMATEC® Components for mech. engineering

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Tapping unit GBE 63

Application:
The thread unit GBE 63 offers versatile application options in mechanical engineering for thread cutting in metal, wood and plastic.

Design:
The thread unit GBE 63 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.

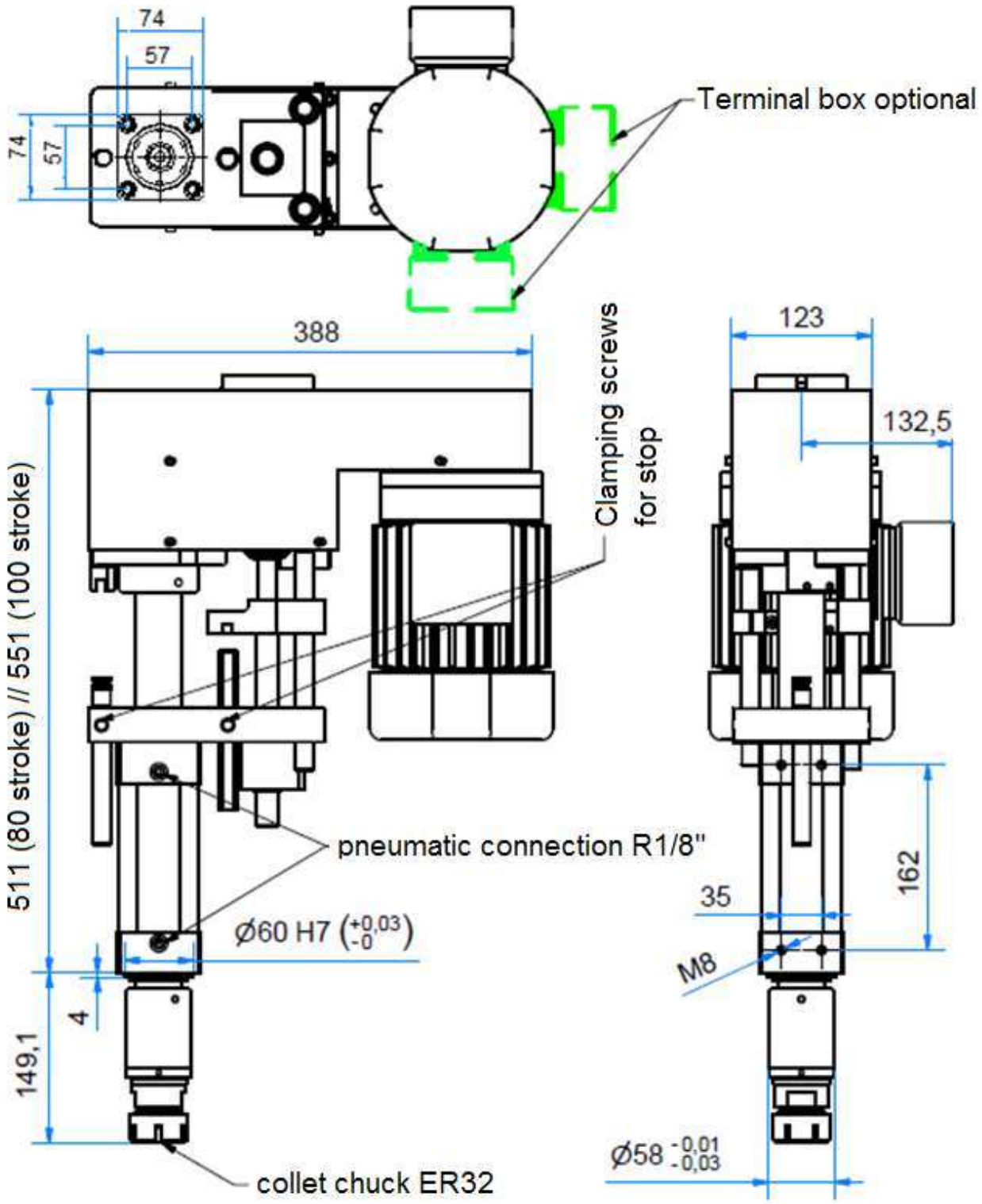
Equipment:
The thread unit GBE 63 is equipped with depht stops for the thread cutting and total stroke and signalling, as standard.

Functional description:
The thread pitch is defined by a lead screw and lead nut and must be selectes fort he corresponding thread.

Special features:
The lead screw can be easily exchanged for a different pitch if required.

Accessories:
For very small pitches or very short cycle times, we recommend a drill head wirh a ratio of 2:1.
This allows, for example, a lead srew with a pitch of 1,0 for a pitch of 0,5.

If a larger thread cutting stroke of more than 35 mm is required, the thread unit is equipped with a rotating lead srew. However, this shuold be connected to a central lubrication system or lubricated daily with a grease gun.



Technicak data:

Drive power:	between 0,75 KW and 1,5 KW (other power on request)
Spindle speed:	speeds on request
Spindele type:	available with a fixed oder rotating lead screw
Drive:	three-phase motor with V-ribbed belt
Total stroke:	the standard stroke is 80 and 100 mm, up to 110 mm is possible
Thread-tapping stroke:	0 - 35 mm via control system, or **w**ith a rotating lead screw ut to maximum of 110 mm
Feed:	pneumatic
Thread-tapping power:	M12 in St 50 *(M16 available with a gear drive motor and toothed belt drive)* M16 in aluminium
Tool holder:	chuck ER 32, clamping range Ø 3-20 mm // up to ☐ 14,5 mm
Weight:	approx. 32 kg
Assembly:	on the head 4 x M8 with centering spigot Ø 60 mm and pitch circle Ø 80 mm, or on head and cover 4 x M8 per spindle (see drawing)