SOMATEC® Components for mech. engineering

SOMATEC GmbH • Gewerbestr. 19 • 88636 Illmensee • Germany
www.somatec-mb.de • info@somatec-mb.de • Phone +49(0)7558/92140

Drilling and milling spindle with belt drive

with tool holder HSK-C50
chuck holder ER32
or saw blade holder

Belt housing V-shape

Belt housing standard

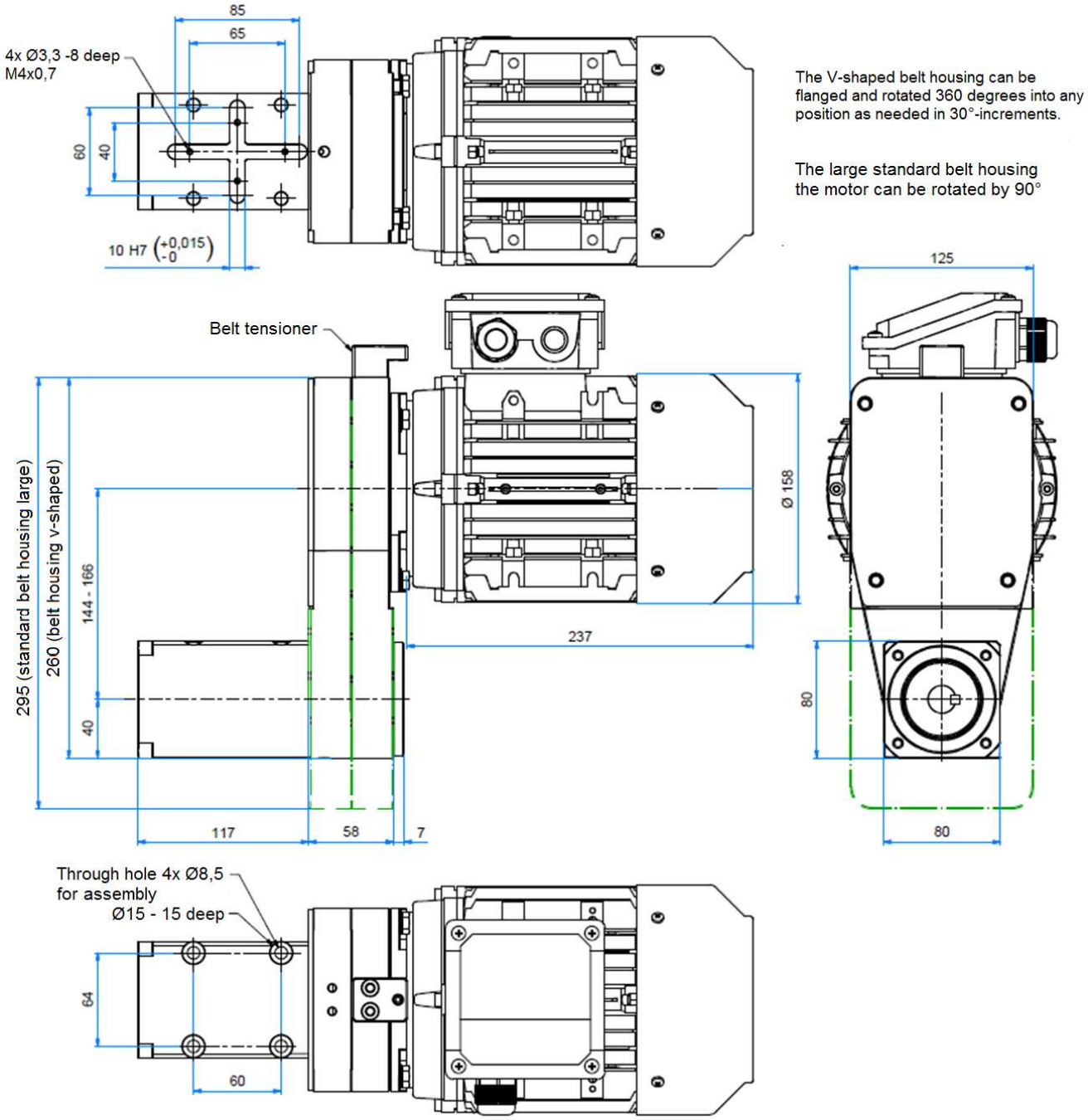
Application:
Our belt-drive drilling- and milling spindle ER32/ HSK-C50 is used for drilling wood, plastic and metal. It is suitable for all types of light and medium milling work. The spindle can also be equipped with a saw blade holder.

Design:
The spindles are equipped as standard with an ER 32 collet chuck, or an HSK-C50 tool holder. They are suitable for standard motors in size 80 in design B14 small and can operated at up to 7.500 rpm depending on motor selection.

The V-shaped belt housing can be rotated into any position as needed in 30°-increments. Due tot he V-shape, a reduction in speed is only possible to a minimal extent.

The larger standard belt housing also allows reduction rations. However, the belt housing itself can only be positioned in 90° increments.

The spindles ER32/ HSK-C50 are prepared for internal cooling as standard; this requires an additional rotary feed. The motor can be mounted in a Z-shaped configuration, as shown, or alternatively in a U-shaped configuration above the spindle.



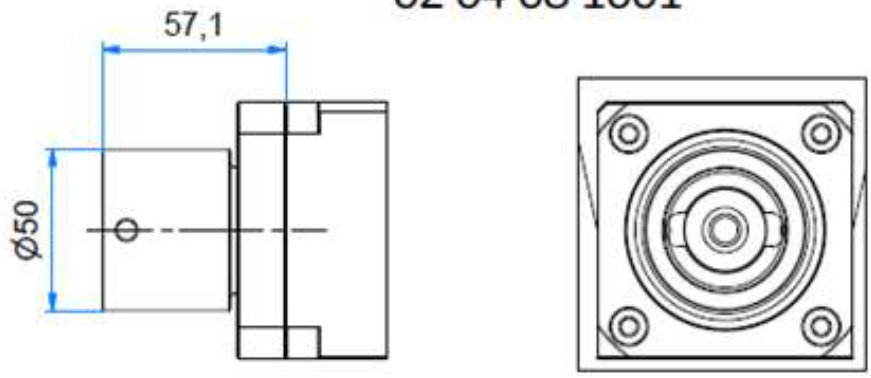
Technical data:

Drive:	ISO standard motors size 80
Spindle speed:	max. 7.500 Rpm Please note: due to the V-shaped of the belt housing, only high-speed gear ratios are suitable
Tool holder:	Tool holder HSK-C50, collet ER ER32, or Saw blade holder: Centering collar Ø 30 and fixing TK Ø50 4xM6
Assembly:	4x M8 screws on the spindle housing *(not included)*
Rotational accuracy:	0,01 mm on the spindle
Max. Drilling capacity:	Ø 16 mm, in St 50
Weight:	ca. 22 kg (including motor)

Tool holder HSK-C50

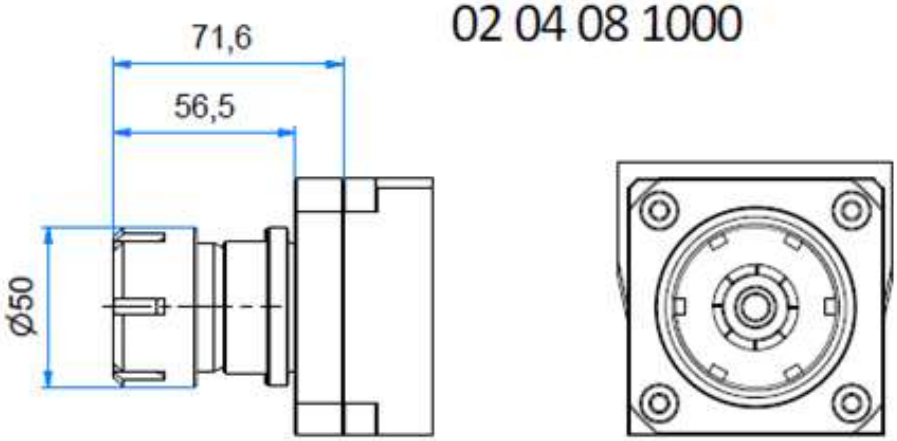
for manual tool changes

02 04 08 1001



Cuck holder ER32

02 04 08 1000



Saw blade holder

02 04 02 1000

Saw blade with inner diameter 30 mm.
secured via 4x M6 screws in a pitch circle 50 mm