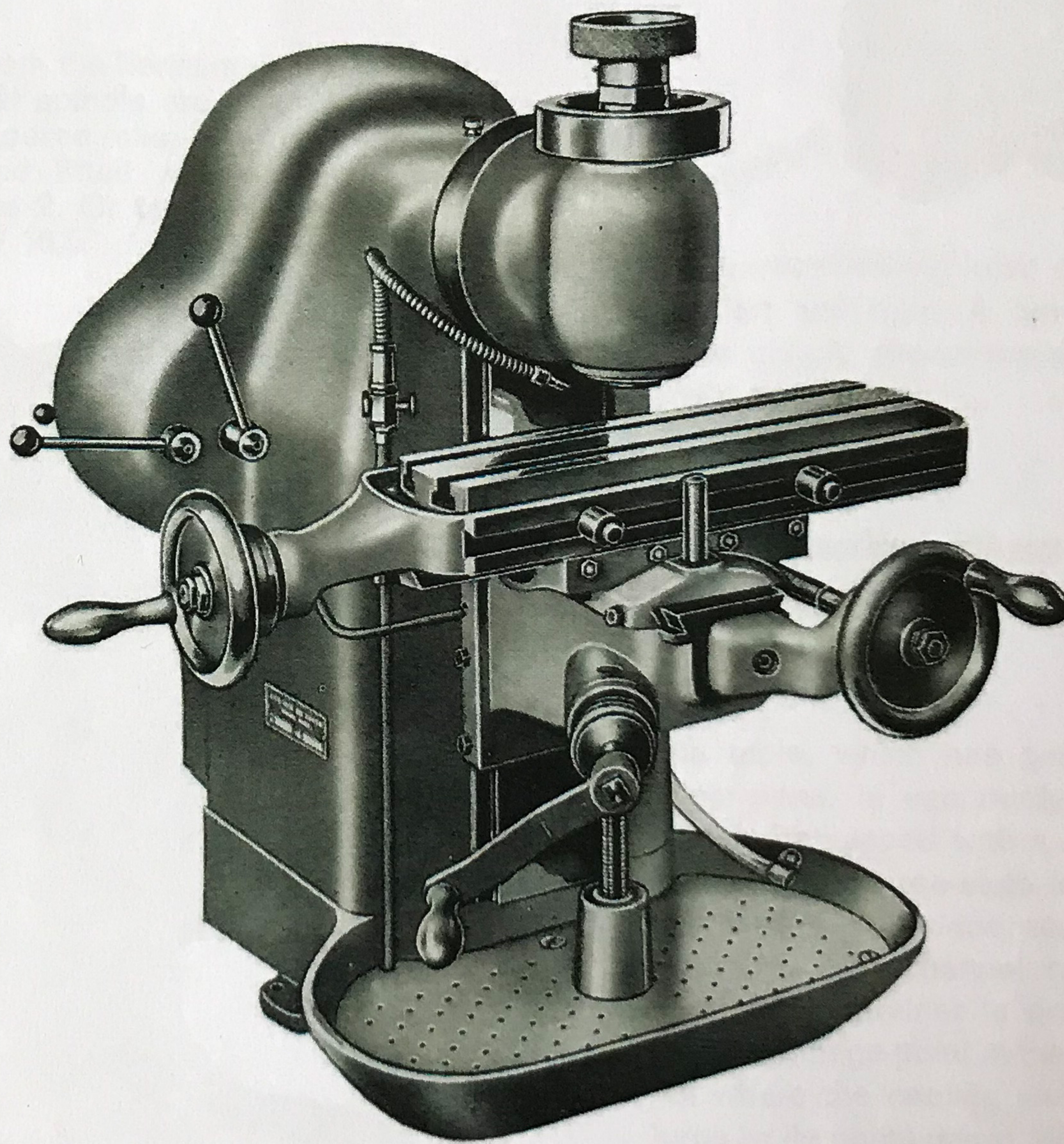


THE HÖGBO BENCH MILLING MACHINE

*The* **HÖGBO**

**BENCH MILLING MACHINE**

**TYPE BF-V-59**



*for both horizontal and vertical milling*

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**HobbyMekanik.se**



Both models are characterized by well thought-out designing, first-class materials and accurate machining.

The machines are direct-driven, with the motor well encased in the lower part of the column. The power is transmitted by a belt pulley to the transmission gear and from thence to the work spindle in a similar manner.

The transmission shaft is eccentric, thereby acting in a simple manner as a belt tensioner. It runs in SKF ball bearings.

The column is placed on a base of robust design which houses the coolant container.

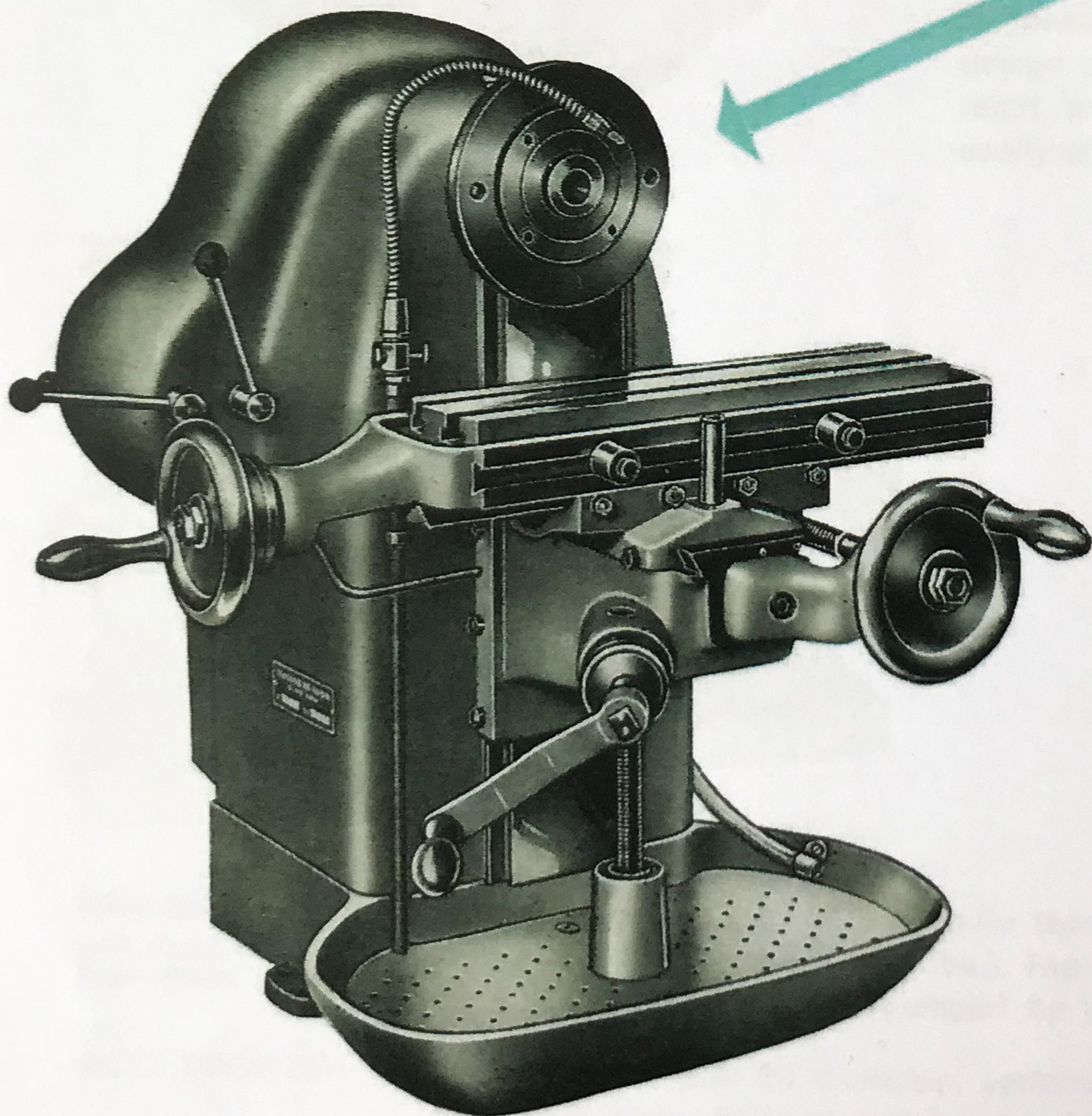
In order to cool the workpiece the machine is provided with a coolant pump, driven by a vee-belt from the motor sheave.

From the pump a conduit, a shut-off cock and a flexible hose lead to the cutting tool.

The FEED SCREWS are equipped with large micrometer dials with easily readable, accurate graduations every tenth and twentieth of a millimeter.

### The horizontal milling machine

Both the horizontal and the vertical spindle are mounted in SKF tapered roller bearings, recessed and fitted with a Morse taper No 2. Or taper for collets Type W 16,5.



## Vertical milling head



The vertical milling head swivels 90° left and right. A graduated scale clearly shows the desired angle setting.

**Height of machine: 650 mm (26 in)**  
**Width of machine: 390 mm (15½ in)**

The table, which has generous dimensions, is accurately scraped and equipped with a sliding guide, has two tee-slots for setting up the workpiece, etc., and has a coolant channel running round it. A strainer is provided at the drainage point in the channel where the cooling water returns to its container in the base through a plastic hose. On the front side of the table there are adjustable stops for the longitudinal travel of the table.

In order to secure the cutting tools in the spindles, the latter are manufactured in two different designs, namely:

Alt. I: With Morse taper No. 2. Alt. II: For standard collets, type W 16,5.

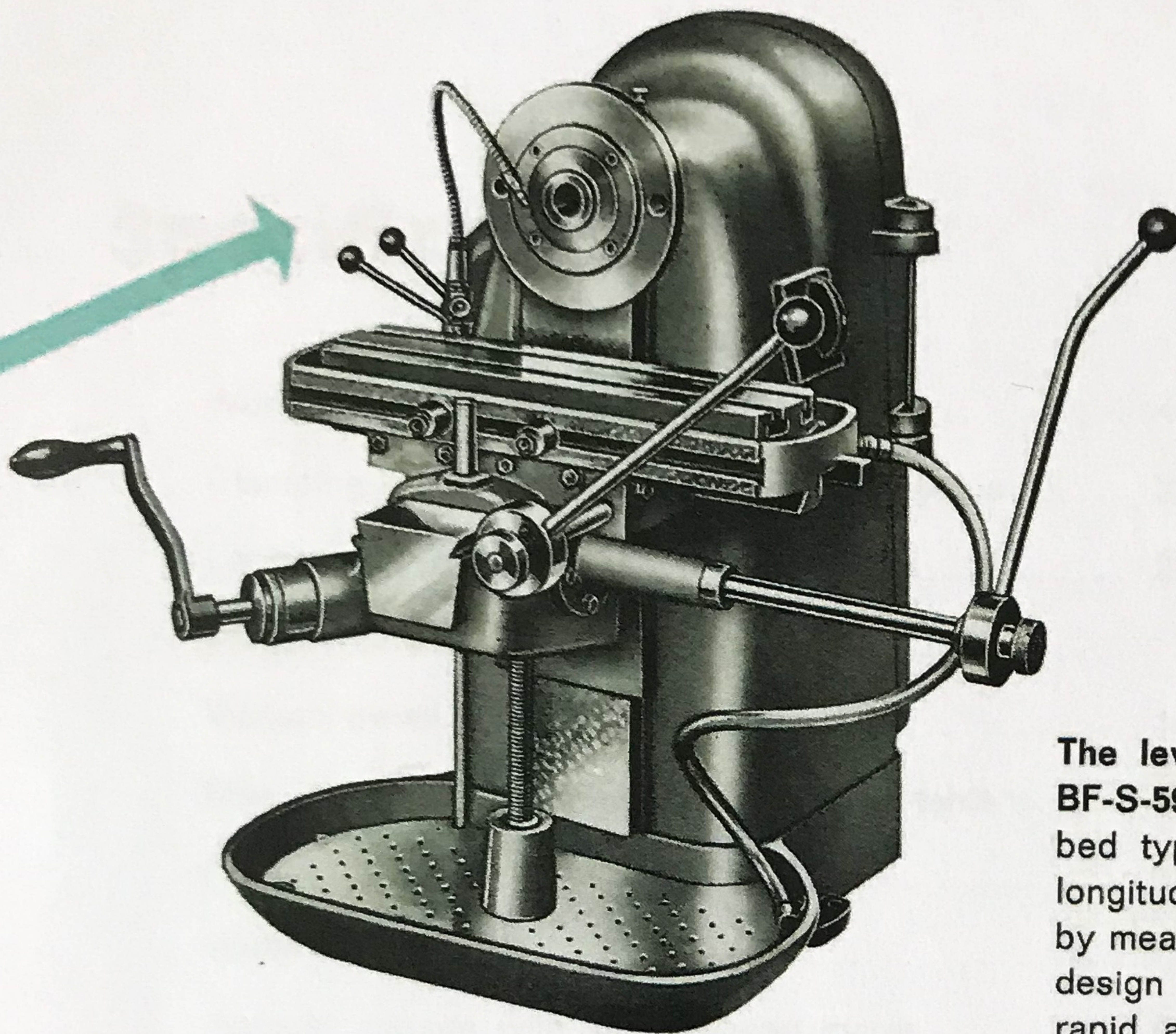
In this design, cutting tools with cylindrical shanks in sizes from 1 to 12 mm. are used.

At option, chucks for 1—16 mm. cylindrical shanks can also be supplied for spindles designed as per alt. I.



# LEVER-CONTROLLED MILLING MACHINE

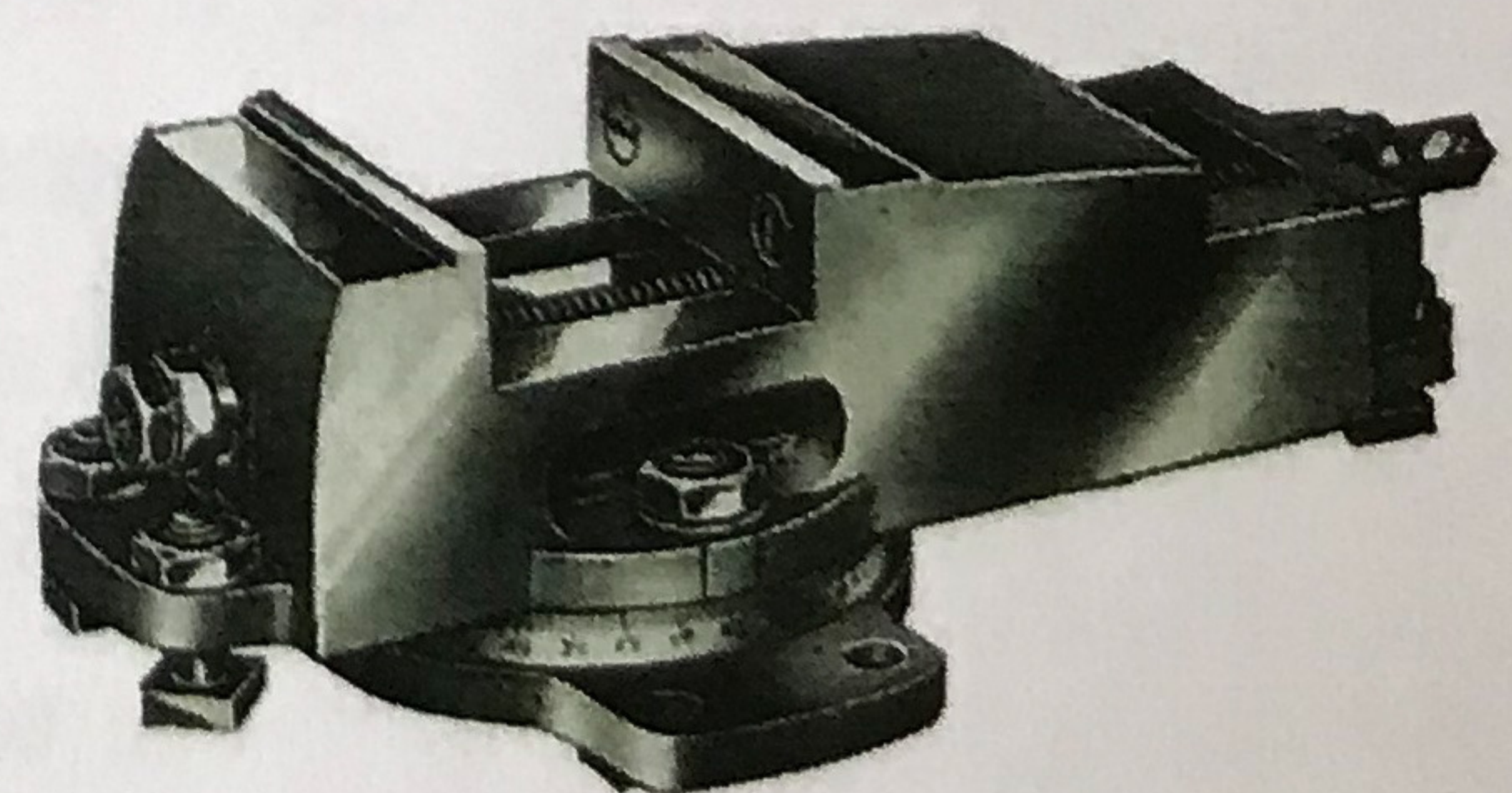
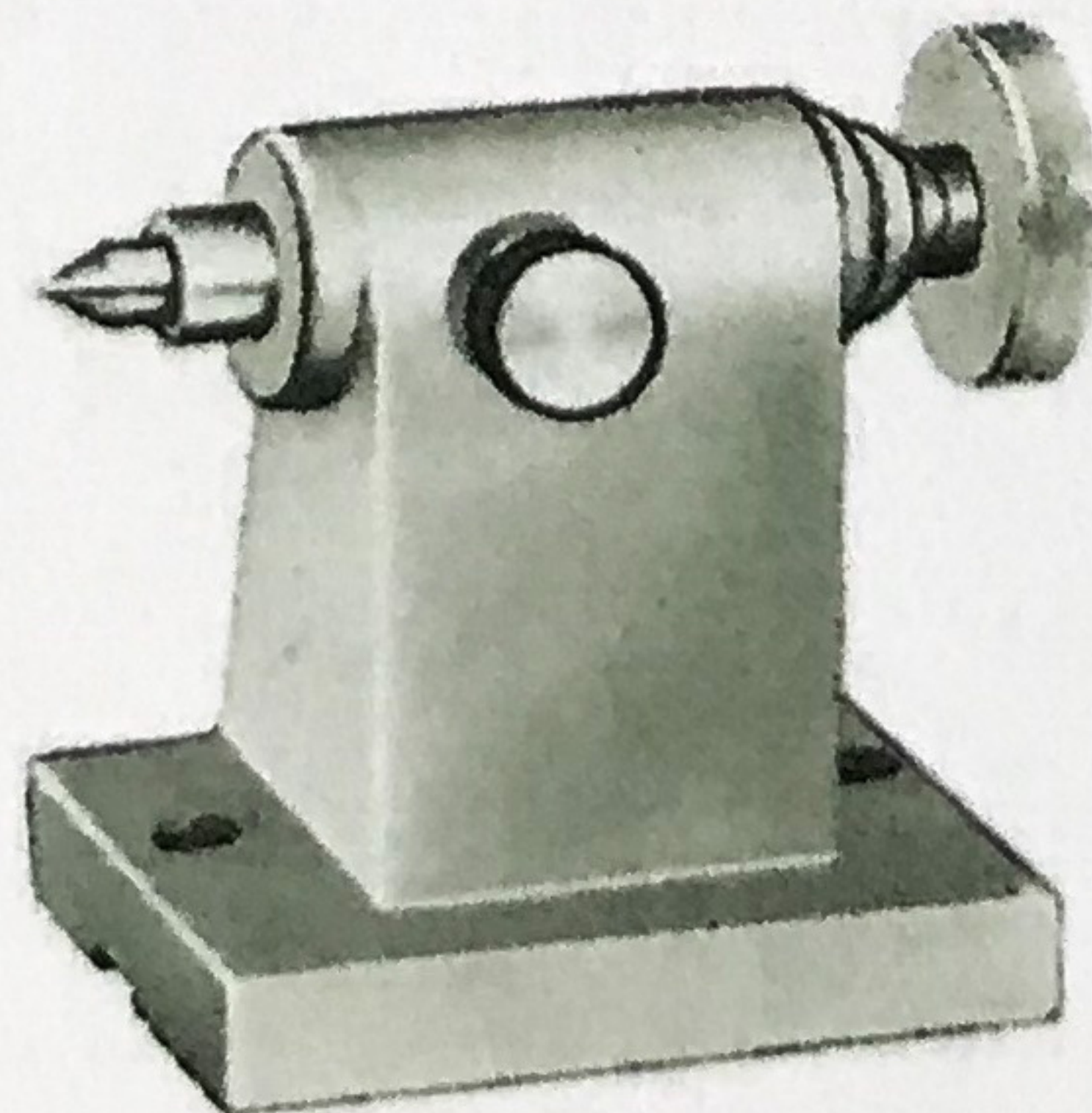
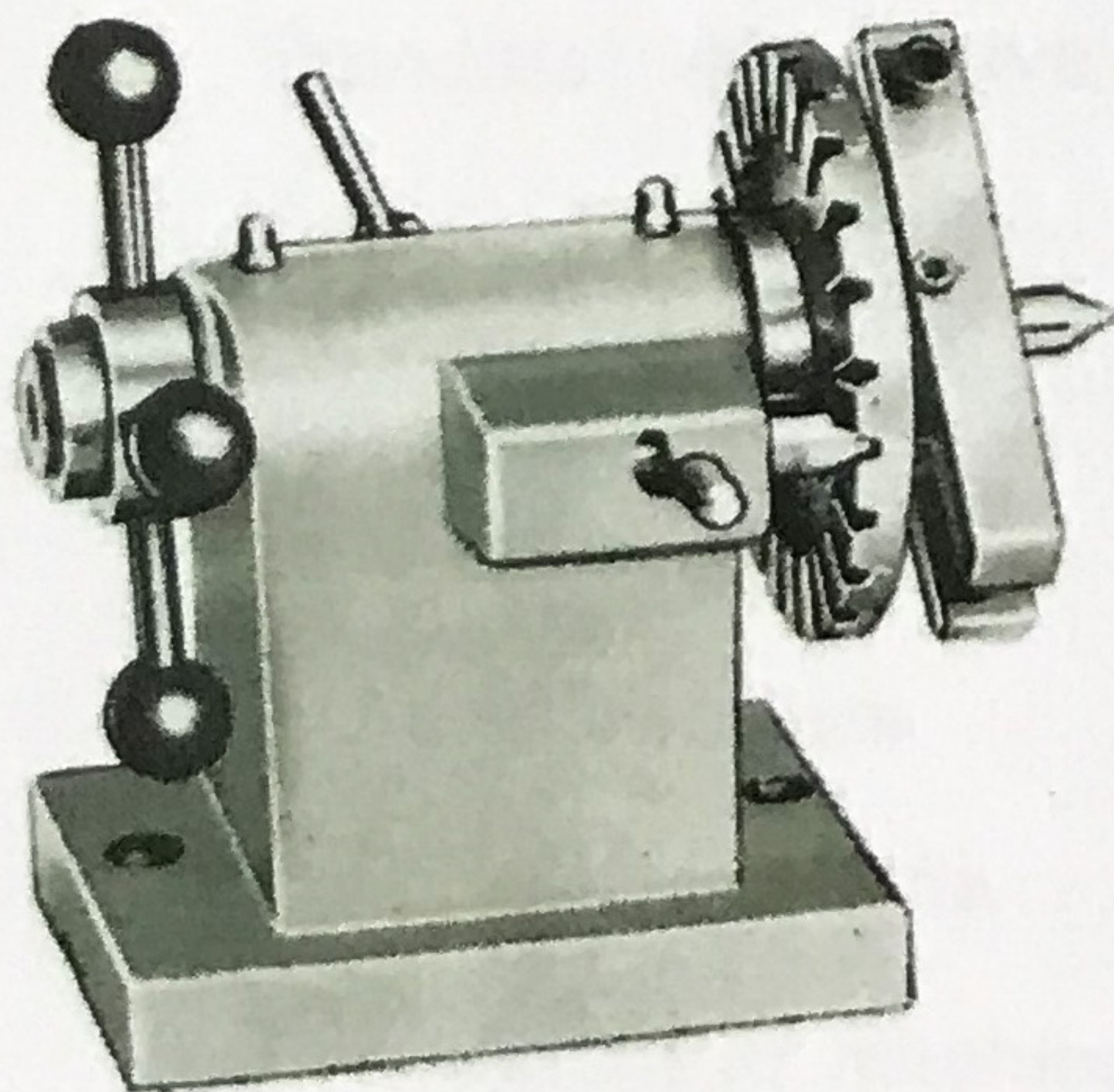
TYPE BF - S - 59



With lever control, accurate and rapid table movements are obtained.

The lever-controlled milling machine type BF-S-59 differs from the previously described type BF-V-59 in that the cross and longitudinal travel of the table is controlled by means of levers. The advantages of this design are obvious in mass production, as rapid and accurate feed movements are easily obtained.

## EXTRA EQUIPMENT



**DIVIDING HEAD**  
with direct indexing  
Type Högbo DA-1

Centre height 78 mm (3"). Spindle taper Morse No. 2. Tailstock spindle Morse No. 1. Weight 6 kg (12 lbs.). The spindle is threaded for the driving plate. This can easily be replaced by a chuck of corresponding thread.

**ACCESSORIES:**

Dividing plate with 24 divisions, centres and driving plate. Extra dividing plate with other divisions can be supplied on request.

**MACHINE VICE**

swivelling on a graduated base. Span: 80 mm. Width of jaws: 75 mm. The vice is held in the tee-slots by means of guide pins.

**MILLING ARBORS:** for face-milling and slot-milling cutters in diameters of both 16 and 22 mm.

**COLLETS:** for cylindrical shanks from 1 to 12 mm. at intervals of 0.5 mm.



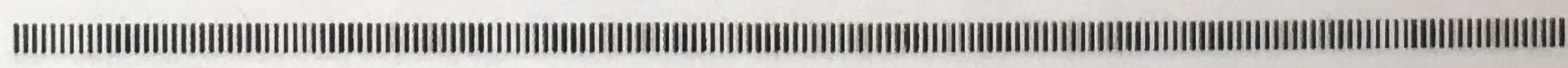
# THE HÖGBO BENCH MILLING MACHINE

TYPE BF-V-59

BF-S-59

## Specification

Working surface of table .....	400 x 110 mm
Clamping surface of table, between waterways .....	320 x 75 mm
Longitudinal travel of table .....	225 mm
Transverse travel of table .....	75 mm
Vertical travel of table .....	140 mm
Max. distance from centre of spindle to table .....	210 mm
Number of tee-slots in table .....	2
Width of tee-slots .....	10 mm
Spindle speeds with single-speed motor .....	6 (400—2400 r. p. m.)
Spindle speeds with twin-speed motor .....	12 (200—2400 r. p. m.)
Spindles: Alternative 1: .....	Morse taper No. 2
Spindles: Alternative 2: .....	Taper for collets Type W 16.5
Motor speed .....	1400 r. p. m.
Size of motor .....	0.5 h. p., 3-phase
Size of bedplate .....	400 x 300 mm
Height of machine .....	650 mm
Net weight of machine, with motor .....	150 kg
Gross weight of machine, with packing .....	165 kg
Gross weight of machine, with export packing .....	180 kg
Dimensions of packing .....	65 x 75 x 80 cm



We reserve the right to make minor deviations from the data listed above.

THE HÖGBO BENCH MILLING MACHINE