



Bed-Type Milling Machine

KB 1400

High table load capacity and powerful spindle drive

- Travels: 31" x 16" x 20"
- Spindle mount: ISO 50
- Spindle speed 30 - 1,800 rpm
- Motor rating main drive 10 Hp



KB 1400

High-Capacity Bed-Type Milling Machine for large parts and heavy machining

- Only the cutter head (with the part) - not the machine table - moves on the Z axis. This results in improved stability, less vibration, and ultimately in increases precision and extremely high table load capacity! This effect is emphasized even more by the large, heavy cast-iron frame (Meehanite) and extremely wide box ways.
- Infinitely variable speed adjustment provided through frequency drive
- Rigid, rectangular flat guideways ensure consistent accuracy
- Mehanite cast-iron frame
- Hardened and ground guideways on all axes
- Cutter head swivels $\pm 30^\circ$
- Standard 3-axis position indicator



Face milling with cutter head





Specifications KB 1400

Working area

X / Y / Z axis travel	31.5" / 15.75" / 19.7"
Table setup area	55" x 15.7"
T-slots (qty x width x spacing)	3 x 1/2"x 4"
Spindle nose-to-table dist.	6" - 25.5"
Velocity height adjustment (max.)	65" /min

Feed

Rapid feed X / Y / Z axis	65" /min
X / Y axis feed speed	0.75" - 25" (9 steps)
Feed speed, Z axis	0.75" - 25" /min

Vertical Cutter Head

Spindle speed / spindle mount	30 - 1800 rpm / ISO 50
- Quill stroke / throat	4.1" / 20"
Head swivel range	± 30°

Drive Capacities

Main motor rating	10 Hp
Motor rating Z axis / feed / coolant pump	1 Hp / 1 Hp / 40 Hp

Dimensions/Weight

Flow-rate, coolant pump	7 gal/min
Dimensions	90" x 70" x 84"
Weight	8070 lbs
Part No.	301 320

Standard Equipment

- 3-axis position indicator
- Collet chuck with collets Ø 0.16", 0.2", 0.24", 0.3", 0.4", 0.5", 0.6", 0.63"
- Reducing sleeves MT4, MT3, and MT2
- Milling arbor. diam. 1.6"
- Coolant system
- Work lamp
- Central lubrication
- Operating tools
- Operator manual

Optional Equipment

- | | |
|--|------------------|
| - Milling chuck WELDON ISO 50 / Ø 0.2" | Part No. 106 811 |
| - Milling chuck WELDON ISO 50 / Ø 0.3" | Part No. 106 812 |
| - Milling chuck WELDON ISO 50 / Ø 0.4" | Part No. 106 813 |
| - Milling chuck WELDON ISO 50 / Ø .05" | Part No. 106 814 |
| - Milling chuck WELDON ISO 50 / Ø 0.6" | Part No. 106 815 |
| - Milling chuck WELDON ISO 50 / Ø 0.8" | Part No. 106 816 |
| - Milling chuck WELDON ISO 50 / Ø 1" | Part No. 106 817 |
| - Milling chuck WELDON ISO 50 / Ø 1.3" | Part No. 106 818 |
| - Lever clamping straps 125 / M16 | Part No. 105 800 |
| - Dial for HNCS 160V | Part No. 104 935 |
| - Machine vise for HNCS 160V | Part No. 104 934 |
| - Machine vise HS 150 | Part No. 125 028 |
| - Machine vise MS 160 | Part No. 104 960 |
| - Machine vise NZM 160 | Part No. 104 920 |
| - Machine vise PMS 100 | Part No. 125 012 |
| - INDEXER / RT 160-320 | Part No. 125 805 |
| - Coolant concentrate 5 l | Part No. 103 184 |
| - Oscillation element LT 55 | Part No. 103 322 |
| - Power Worker chip lift-off device | Part No. 123 040 |
| - Reducing sleeve ST50 / ST30 | Part No. 103 760 |
| - Reducing sleeve ST50 / ST40 | Part No. 103 770 |
| - Tailstock / RT 200/250 | Part No. 125 820 |
| - Rotary table RT 250 | Part No. 125 840 |
| - Rotary table RTS 320 | Part No. 125 815 |
| - End-face roughing cutter 10-pc | Part No. 108 445 |
| - End milling set DIN 844 B | Part No. 108 450 |
| - Optional accessory set / ST 155 | Part No. 110 971 |
| - Clamping tools, assorted, De LUxe 18/M16 | Part No. 105 305 |
| - Divider HT | Part No. 110 953 |
| - Divider ST 155 | Part No. 110 965 |
| - Divider ST 300 | Part No. 129 340 |
| - Step blocks, assorted | Part No. 105 340 |
| - Shell roughing end mill 63 | Part No. 108 402 |

3-axis position indicator

X.pos 3

Fully assembled and ready for operation for maximum operating accuracy

- More accuracy
- Lower error rate
- Increased productivity
- Resulting in valuable time savings
- For increased productivity
- Easy to read display
- Operator-specific features
- Convenient keyboard layout
- Resolution: 0.01/ 0.005 mm
- Default coordinates
- Axis position is maintained when display is turned off
- Hole circle pattern calculation
- Calculator function
- Storage for 10 tools
- Radius / diameter toggle
- mm/inch conversion
- Easy expansion and maintenance-free operation

Position Indicators...

an absolute necessity for all machine tools

