



Extensive standard equipment

Cutter head swivels ± 45°



Horizontal milling spindle with outer arbor support for long milling arbors

- all 3 axes with automatic feed and rapid feeds
- vertical head swivels ± 45°
- spindle speeds for horizontal and vertical spindles controlled by separate switch gears with oil-bath lubrication
- capstan-controlled quill feed for drilling, manual micro-feed for milling
- 3 automatic quill feeds



Automatic 3-step quill feed

Specifications

VHF 3

Work Table		
Table set up area	mm	1.320x320
T-slots (number/width/spacing)	mm	5x14x63
Table load capacity (max.)	kg	300
Vertical Milling Head		
Spindle mount		ISO 40
Spindle speed (vertical)	rpm	(8) 90 - 2.000
Quill stroke	mm	120
Quill feeds	mm/R	(3) 0,08; 0,15; 0,25
Throat	mm	200 - 540
Vertical spindle-to-table surface distance	mm	140 - 540
Head swivel range		± 45°
Feed		
Travel X-axis	mm	750
Travel Y-axis	mm	245
Travel Z-axis	mm	430
Feed speed X-axis	mm/min	(8) 20 - 360
Feed speed Y-axis	mm/min	(8) 20 - 360
Rapid feed X-axis	mm/min	1.024
Rapid feed Z-axis	mm/min	670
Rapid feed Y-axis	mm/min	1.024
Horizontal Milling Head		
Spindle mount		ISO 40
Spindle speeds	rpm	(12) 40 - 1.300
Horizontal spindle-to-table surface distance	mm	50 - 450
Drive Capacity		
Drive motors (vertical / horizontal)	kW	2,2 / 2,2
Motor rating feed	kW	0,55
Motor rating coolant pump	kW	0,09
Measures and Weights		
Overall dimensions (length x width x height)	m	1,71x1,72x2,33
Weight	kg	1.800
Part No.		301410

- for horizontal spindle operations, the top beam (including head) can be completely rotated on the stand
- adjustable ground dovetail guideways on the X-axis and wide square guideways on Y and Z-axis
- clamping device on all 3 axes
- adjustable stops for drilling depth and table adjustment

Standard Equipment

3-axis position indicator, drill chuck 16 mm, ISO 40 milling chuck, collet chuck ISO 40 with collets Ø 4,5,6,8,10,12,14,16 mm, reducing sleeve ISO 40 / MT3 and ISO 40 / MT2, coolant system, chip tray, work lamp, operating tools, operator manual

Options

Options	Part No.
• Coolant Concentrate 5 Ltr.	103184
• Adapter SK 40 / MT 3	103730
• Collet Chuck SK 40	104320
• Machine vice NZM 125	104918
• Deluxe Clamping Tool Set 14/M12	105295
• Set of Step Blocks	105340
• Milling Chuck Set ISO 40	106044
• Roughing End Mill Cutter 63	108402
• Roughing Shank Cutter 10 pcs.	108445
• Mounting Shaft ISO 40	108637
• Assembly Stand	108930
• Tailstock / RT 200/250	125820

For additional options for this machine, visit our website and search for VHF 3 (Product Search)