

High-performance surface grinding machine FSG 3A-818 / FSG 3A-1224

FSG 3A-818 Nr.: 630405

FSG 3A-1224 Nr.: 630407

Years of experience in grinding machine construction as well as the most modern production methods and the most precise final checks ensure that these surface grinding machines meet the highest demands. Their very robust and compact design, the use of high-quality materials and careful assembly guarantee very precise and accurate grinding of workpieces.



FSG 3A-1224

Technical specifications

Table surface area, mm	450 x 200 / 610 x 300
Max. Grinding length, mm	450 / 610
Max. Grinding width including disc, mm	225 / 400
Distance between table surface / spindle center	450/500
Magnetic chuck, mm	450 x 200 / 600 x 300
Longitudinal table movement:	
Max. Travel, hydr., mm	500 / 650
Max. Travel, man., mm	530 / 700
Lateral movement:	
Automatic delivery, mm	0,4 - 6 / 1 - 15
Vertical delivery:	

Automatic delivery, mm	0,002-0,004
Rapid traverse, mm/min.	330
Speed of the grinding spindle, min-1	2850 / 1450
Drive of the grinding spindle, kW	1,5 / 3,7
Hydraulic motor, kW	0,75 / 1,5
Motor for lateral movement, watt	40 / 80
Vertical movement motor, Nw	0,19
Standard grinding wheel Ø / - width, mm	203 / 355
Standard grinding wheel bore, mm	31,75 / 127
Space requirement, LxWxH, mm	2110x1650x1880 2670x1830x1900
Net weight, ca. kg	1190 / 2100

A detailed description of the CNC controls and the special accessories can be found in the appendix to this catalog.

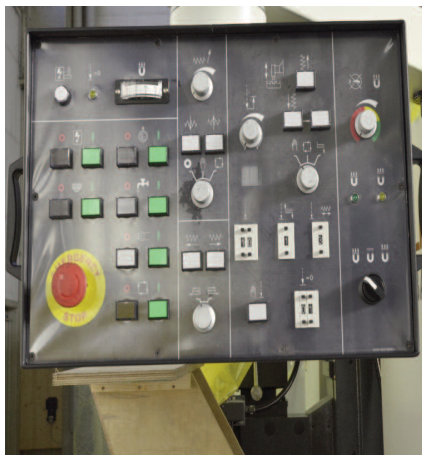


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- Heavily ribbed machine frame made of quality cast
- Headstock with rapid vertical traverse of a four-way P4 mounted grinding spindle in sleeve design and autom. Vertical delivery
- Grinding wheel 203 x 12.7 x 31.75 mm /
- 355 x 50 x 127 mm with flange and balance weights
- Coolant device in various designs (option)
- Handwheel for manual transverse movement
- Stable splash guard with adjustable mounting plates
- The grinding length can be adjusted quickly and easily using an adjustable limit switch
- Control panel with clearly arranged control elements
- Table guides on both sides with linear cylindrical roller guides
- Safety handwheel for manual table longitudinal movement
- Generously designed hydraulic unit



Hydraulic power pack



FSG 3A - MAX3450



Paper filter system

Standard equipment

- Complete electr. Equipment 380 V. / 50 Hz.
- Automatic vertical delivery
- Semi-automatic delivery with automatic table movement
- Sparking out with return stroke at the end of the cycle
- Automatic cycles for surface and plunge grinding
- Automatic lubrication of the slide guides
- Grinding wheel and grinding wheel flange
- Leveling screws and machine shoes
- One-sided tip protection
- balancing mandrel
- Operating tools
- Operating manual
- Ce standard

Special accessories

- Electromagnetic clamping plate 450 x 200 mm
- / 600x300 mm
- Adjustable adhesive force and automatic demagnetization
- Manual dressing device
- Wet grinding device with filter
- Wet grinding device with manu. Fleece roll filter system
- (FSG 3A-1224)
- Filter fleece (FSG 3A-1224)
- Grinding wheel flange with counterweights (FSG 3A-1224)
- Machine light (FSG 3A-1224)
- Hydraulic dressing FSG 3A 1224