

VERTICAL LATHES

SC 11 - 17 Series



FEATURING:

Single piece column and base of close grain cast iron construction, sliding cross rail, right hand support with pentagonal turret, left hand support with cross slide, side head with 4 way indexable square turret.

Heavily ribbed design.

Hardened cross rail ways.

Precision hardened and ground gears.

Main spindle with Timken Romania bearings.

The vertical supports move on the 2 or 4 axes by means of trapezoidal screws

Table with 4 jaws, reversible type.

Automatic lubrication system.

Table driven by DC or AC spindle drive motor through 3 steps ranges gear box.

Since 1916

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VERTICAL LATHES

| TEHNICAL SPECIFICATION | | UM | SC11 | SC14 | SC17 |
|--|---|-----------|-------------------------------------|-------------|-------------|
| Max. swing | | mm | 1100 | 1400 | 1650 |
| Max. swing with side head | | | 1000 | 1300 | 1550 |
| Max. turning height (under the cross rail) | | | | | |
| STANDARD | | mm | 800 | 1000 | 1200 |
| H (version) | | mm | 1050 | 1250 | 1450 |
| 2H(version) | | mm | 1300 | 1500 | 1700 |
| 3H (version) | | mm | - | 1750 | 1950 |
| 4H (version) | | mm | - | - | 2200 |
| Table diameter | | mm | 900 | 1200 | 1450 |
| Max work piece weight | | | | | |
| Tapered roller bearings (standard) | | daN | 5000 | 6000 | 8000 |
| Cross roller bearings (version) | | daN | - | 9000 | 11000 |
| Table speed range | | RPM | 7-350 | 5-250 | 2-200 |
| Main motor power | | kW | (30);(45); 60 | (45); 60 | (45); 60 |
| Right head vertical stroke | | mm | 760 | 760 | 760 |
| Left head vertical stroke | | mm | - | - | 1000 |
| Side head stroke: | | | | | |
| - horizontal | | mm | 510 | 650 | 700 |
| - vertical | | mm | 680 | 1000 | 1100 |
| Working feed range, axes X ₁ , X ₂ , Z ₁ , Z ₂ | | mm/rot | 0,05 ÷ 5 | 0,05 ÷ 5 | 0,05 ÷ 5 |
| Cross rail vertical travel (standard) | | mm | 520 | 800 | 1000 |
| Total weight of the machine | | daN | 11500 | 16500 | 20500 |
| Overall dimensions | H | Mm | 3800x | 4200x | 4500x |
| | L | | 4100x | 4500x | 4500x |
| | W | | 4000 | 4500 | 4700 |
| HYDRAULIC COMPONENTS | | - | REXROTH / ATOS / VICKERS / PARKER | | |
| ELECTRICAL COMPONENTS | | - | SIEMENS / SCHNEIDER - TELEMECANIQUE | | |

STANDARD ACCESSORIES:

- Standard tool holders
- Devices for horizontality
- Special keys
- Lifting rings
- Set of 4 jaws
- Lighting installation
- Heavy duty pentagonal head manually locks
- Guards for table
- Set of Operation and Maintenance Manuals

SPECIAL ACCESSORIES:

- Taper turning and threading device
- Grinding device with micrometric hand feed device
- Electromagnetic copying device
- Cooling system
- Digital readout for 2 or 4 axes
- Feed interlocking device
- Full enclosure
- Chip conveyor
- Tool holder set (A ÷ P)
- Side head for SC11

OPTIONS:

- Automatic turret head with 4 or 5 faces
- Left vertical working support for turning and milling operations and slow feed box for table
- With rotary encoders for table
- Tool holders for milling
- Versions for max turning height
- Versions for max work piece weight
- The electrical, electronic, hydraulic and lubrication equipment can be made according to the request of the customer
- Faceplate with automatic gripping dies
- Balls screws for 2 or 4 axes