



# Engine lathe

## C-Turn 230 • 270 • 315

18x39" to 24x117"

**3-axis digital readout (DRO) is included**



- Guideways are hardened and precision-ground
- Exceptionally low noise
- Universal type gearbox allowing for cutting metric, Whitworth, module and diametral threads with no need to change gears
- The feed handwheel can be ordered (left or right) in accordance to the needs of the operator
- Rapid traverse



| Specifications                    |              | C-Turn 230                              |                   |                   | C-Turn 270                            |                   |                                 |                    |
|-----------------------------------|--------------|---|-------------------|-------------------|---------------------------------------|-------------------|---------------------------------|--------------------|
|                                   |              | 1000<br>18" x 39"                       | 1500<br>18" x 58" | 2000<br>18" x 78" | 1000<br>21" x 39"                     | 1500<br>21" x 58" | 2000<br>21" x 78"               | 3000<br>21" x 117" |
| Swing over bed                    | mm           | Ø460 (17.9")                            |                   |                   | Ø540 (21")                            |                   |                                 |                    |
| Swing over gap                    | mm           | Ø640 (25")                              |                   |                   | Ø680 (26.5")                          |                   |                                 |                    |
| Swing over carriage               | mm           | Ø290 (11")                              |                   |                   | Ø360 (14")                            |                   |                                 |                    |
| Distance between centers          | mm           | 1000 (39")                              | 1500 (58.5")      | 2000 (78")        | 1000 (39")                            | 1500 (58.5")      | 2000 (78")                      | 3000 (117")        |
| Chuck mount                       |              | D1-6                                    |                   |                   | D1-8                                  |                   | D2-11                           |                    |
| Spindle bore diameter             | mm           | Ø56 (2.1")                              |                   |                   | Ø85 (3.3")                            |                   | Ø85 [opt. Ø105] (3.3" [opt.4"]) |                    |
| Speeds                            | 18 steps rpm | 39-2800                                 |                   |                   | 25-1545 [opt. 4" bore: 23-1293]       |                   |                                 |                    |
|                                   | Inverter rpm | 33-3100                                 |                   |                   | 27-2250 [opt. 4" bore: 20-1500]       |                   |                                 |                    |
| Bed width                         | mm           | 350 (13.5")                             |                   |                   | 350 (13.5")                           |                   |                                 |                    |
| Axis travel: X                    | mm           | 280 (11")                               |                   |                   | 330 (12.8")                           |                   |                                 |                    |
| Toolholder travel: Z <sup>1</sup> | mm           | 130 (5")                                |                   |                   | 150 (5.8")                            |                   |                                 |                    |
| Threading                         | Inches       | TPI (36) 4-56                           |                   |                   | (36) 4-56                             |                   |                                 |                    |
|                                   | Metric       | mm/pitch (24) 0.5-7                     |                   |                   | (24) 0.5-7 (0.02-0.27")               |                   |                                 |                    |
|                                   | Diametral    | P (36) 8-112 D.P.                       |                   |                   | (36) 8-112 DP                         |                   |                                 |                    |
|                                   | Module       | M (16) 0.25-3.5 M.P.                    |                   |                   | (16) 0.25-3.5 M.P.                    |                   |                                 |                    |
| Travels                           | Z            | mm/rev. 0.06-0.88 (0.002-0.034"/rev)    |                   |                   | 0.06-0.88 (0.002-0.034"/rev)          |                   |                                 |                    |
|                                   | X            | mm/rev. 0.03-0.44 (0.001-0.017"/rev)    |                   |                   | 0.03-0.44 (0.001-0.017"/rev)          |                   |                                 |                    |
| Tailstock quill diameter          | mm           | Ø75 (2.9")                              |                   |                   | Ø75 (2.9")                            |                   |                                 |                    |
| Tailstock quill travel            | mm           | 170 (6.6")                              |                   |                   | 170 (6.6")                            |                   |                                 |                    |
| Tailstock quill taper             |              | MT 5                                    |                   |                   | MT 5                                  |                   |                                 |                    |
| Main spindle motor                | kW           | 5.5 [opt. 7.5 kW] (7.5 Hp [opt. 10 Hp]) |                   |                   | 7.5 [opt. 11 kW] (10 Hp [opt. 15 Hp]) |                   |                                 |                    |
| Weight                            | kg           | 2000 (4,400 lbs)                        | 2300 (5,060 lbs)  | 2600 (5,720 lbs)  | 2400 (5,280 lbs)                      | 2700 (5,940 lbs)  | 3100 (6,820 lbs)                | 3200 (7,040 lbs)   |
| Item No.                          |              | <b>1610075</b>                          | <b>1610076</b>    | <b>1610077</b>    | <b>1610081</b>                        | <b>1610082</b>    | <b>1610083</b>                  | <b>1610084</b>     |
| Item No. [V-Model]                |              | <b>1610078</b>                          | <b>1610079</b>    | <b>1610080</b>    | <b>1610085</b>                        | <b>1610086</b>    | <b>1610087</b>                  | <b>1610088</b>     |

\*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.