



CHESTER FORTIS 360 SERVO/320 SERVO

Features:

- Servo-driven ballscrew feed on all three axes
- Heavy-duty vertical knee-type milling machine for versatile work
- Rigid cast structure built to handle demanding cuts
- Wide spindle speed range suited to many materials
- Vertical milling head swivels left and right for angled machining
- Adjustable gibs on all axes to maintain long-term accuracy
- Forced lubrication on the main drive for reliable running
- Servo-driven knee elevation (320 Servo)
- Rapid traverse on X, Y and Z (320 Servo)



Fortis 360

Model	Fortis 360 Servo	Fortis 320 Servo
Working Surface	1600 x 360mm	1370 x 320mm
T-Slots (Qty/Width)	3/18mm	3/14mm
T-Slot Pitch (Centres)	80mm	80mm
X-Axis Travel (Manual)	1300mm	1000mm
X-Axis Travel (Automatic)	1300mm	1000mm
Y-Axis Travel (Manual)	320mm (300mm with DRO)	380mm (360mm with DRO)
Y-Axis Travel (Automatic)	320mm (300mm with DRO)	380mm (360mm with DRO)
Z-Axis Travel (Manual)	450mm	400mm
Z-Axis Travel (Automatic)	450mm	400mm
Load Capacity	350kg	250kg
Table Swivel Range	N/A	N/A
Spindle		
Spindle Taper	7:24, ISO50	7:24, ISO40
Speed Control	12-step	12-step
Speed Range	50-1475rpm	35-1500rpm
Spindle Centre to Column	378mm	285mm
Spindle Nose to Table	50-500mm	35-435mm
Quill Travel	70mm	70mm
Drawbar	M24	M16
Head Swivel Range	±30°	±30°
Feed Rates		
Number of Feeds	8-step	8-step
X-Axis (Longitudinal)	30-750mm/min	30-830mm/min
Y-Axis (Cross)	20-500mm/min	30-830mm/min
Z-Axis (Vertical)	15-375mm/min	23-625mm/min
X-Axis Rapid Traverse	1200mm/min	1335mm/min
Y-Axis Rapid Traverse	800mm/min	1335mm/min
Z-Axis Rapid Traverse	600mm/min	1000mm/min
Motor/Type		
Vertical Spindle Motor/Geared	5.5kW (7.4hp)	3kW (4.0hp)
X, Y, Z Axis Feed Motor/Servo	2.36kW (3.16hp)	2.36kW (3.16hp)
Coolant Motor	0.09kW (0.12hp)	0.09kW (0.12hp)
Weight and Dimensions		
Machine Dimensions	2520 x 2100 x 2150mm	1820 x 1680 x 1810mm
Net Weight	3000kg	1650kg

Standard Accessories:

- 3 Axis Digital Readout
- 3 Axis Power Feed
- LED Work Lamp
- Coolant System
- Table Guard
- Drawbar and Drawbar Wrench
- Chip Tray/Collector
- Manual Lubrication System
- Toolbox
- Operation Manual

Optional Accessories:

- Automatic Lubrication System
- Semi Universal Dividing Head
- Fully Universal Dividing Head
- Rotary Table
- Slotting Head
- Machine Vice
- Clamp Kit
- Drill Chuck
- ER Milling Collet Chuck Set
- Boring Head
- Reducing Sleeve Set
- Combination Shell End Mill Arbors
- Long Milling Arbors
- End Mill Set
- Angle Plate
- Tilting Angle Table

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.