

Forceturn 630 • 800

High-performance lathes, easy handling with center widths up to 201 inches



Forceturn 800.30 is shown

- Spindle bore 3.3 or 4.1 inches
- Spindle speeds up to 2250 rpm

- Lots of experience went into the design and construction of this machine bed featuring large guides that are hardened, ground and counter-laminated
- Powerful main drive motor handles part weights up to 3748 lb with ease
- Infinitely variable, programmable, and adjustable spindle speeds with automatic 3-step main gear
- Fagor 8055i A-TC featuring intuitive, easy to learn cycle programming, including Profile Editor, for batch and single part production of complex workpieces
- Graphical simulation for added safety
- Heavy, automatic 4-station servo-driven tool changer for programmed tool changes
- 2 electronic hand-wheels at the control panel for manual operation and for easy, quick setup of new workpieces and tools
- A high-performance coolant system and automatic central lubrication system are included



Easy handling: for positioning, the tailstock can be coupled to the support



Compact control unit with electronic hand-wheels



Standard Equipment

Fagor 8055i FL-TC control, 2 electronic hand-wheels, 3-jaw chuck Ø 12", automatic 3-step gears, 4-station servo tool holder, coolant system, central lubrication, tailstock, work lamp, operating tools, operating manual and programming instructions

Options

Part No.

• Steady rest 11 - 16 in	250937
• Steady rest 2 - 12 in	250936
• Steady rest 5 - 14.6 in	250935
• 4-jaw lathe chuck, cast-iron, 18 in	250103
• E-Forceturn 630/800 spare parts package for 5 years	259213

For additional options for this machine, visit our website and search for Forceturn 630 • 800 (Product Search)

Option: steady rests up to 16 in diameter

Specifications Forceturn

		630.15	630.30	630.50	800.15	800.30	800.50
Working Area							
Turning diameter over bed	in	26	26	26	32	32	32
Bed width	in	18	18	18	18	18	18
Center height	in	13	13	13	17	17	17
Turning-Ø over support	in	16	16	16	22	22	22
Workpiece length (max.)	in	63	122	201	63	122	201
X-axis travel	in	18	18	18	18	18	18
Z-axis travel	in	59	118	197	59	118	197
Headstock							
Speed range	rpm	27 - 2,250	27 - 2,250	27 - 2,250	20 - 1,500	20 - 1,500	20 - 1,500
Spindle mount		D1-8	D1-8	D1-8	A1-11	A1-11	A1-11
Spindle bore	in	3	3	3	4	4	4
Feed							
Rapid feed X- / Z-axis	in/min	197	197	197	197	197	197
Tool Head							
Number of tool stations	positions	4	4	4	4	4	4
Accuracies							
Positioning accuracy X-axis	in	0.00059	0.00059	0.00059	0.00059	0.00059	0.00059
Positioning accuracy Z-axis	in	0.00059	0.00079	0.00118	0.00059	0.00079	0.00118
Repeatability X-axis	in	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028
Repeatability Z-axis	in	0.00028	0.00039	0.00059	0.00028	0.00039	0.00059
Tailstock							
Tailstock quill stroke	in	7	7	7	7	7	7
Tailstock quill taper / Ø	in	MT5 / 4	MT5	MT5	MT5	MT5	MT5
Drive Capacity							
Main drive motor rating (cont/30 min)	Hp	15 / 22	15 / 22	15 / 22	15 / 22	15 / 22	15 / 22
Motor rating X- / Z-axis	Hp	2 / 3.6	2 / 3.6	2 / 3.6	2 / 3.6	2 / 3.6	2 / 3.6
Total power consumption		40	40	40	40	40	40
Measures and Weights							
Overall dimensions (length x width x height)	in	157x89 x89	217x89 x89	295x89 x96	157x89 x89	217x89 x89	295x89 x96
Weight	lbs	9,020	12,320	16,720	9,900	13,200	17,600
Part No.		100350	100351	100352	100353	100354	100355