



GTD-44-55 HK CNC

44"-55" Swing Heavy Duty Big Bore Lathes

- + 30-HP Spindle Motor (40-HP optional)
- + 6 – 500 RPM Spindle Speeds
- + 4 - Automatically Selected Gear Ranges for High Torque
- + A2 - 11 Spindle with a 6" Bore (9", 10", 12" & 15" Spindle Bores Optional)
- + Rear Spindle Chuck Mount available to support long workpieces
- + Boring Bar Holder Available for back of Cross Slide
- + Optional Tool Turrets Available
- + Dual Tool Turrets Available for front & back of Cross Slide

Capacity & Dimensions

Swing over Bed	44"	(1,120 mm)
Swing over Cross Slide	27.95"	(710 mm)
Distance between centers	78" - 236"	(2,000 - 6,000 mm)
Bed Width	32"	(810 mm)

Spindle

Spindle Motor Horsepower - up to 160" bed lengths	30 HP	(22 kw Fanuc) / (40 HP Optional)
Spindle Motor Horsepower - 200" + bed lights	40 HP	(30 kw)
Spindle Speeds	6 - 500 RPM	(6 - 292 with A2 - 15 & A2 - 20 spindles)
Spindle speed gear ranges - automatically selected	4-gear ranges	(infinitely variable speeds in each range)
Spindle Bore	6"	(152 mm) (Optional 9", 10", 12" & 15" available)
Spindle Nose	A2 - 11	(Optional A2 - 15 / A2 - 20 spindle nose)

Axis

Cross Slide Travel	23.62"	(600 mm) (varies with turret selected)
X-Axis Ballscrew / Servo Motor	40 mm	Pitch 5 mm / 4 HP (3 kw) Servo motor
Z-Axis Ballscrew / Servo Motor	63 mm	Pitch 10 mm / 5.5 HP (4 kw) Servo motor
X and Z Axis rapid feed rate	196" / min	(5,000 mm / min)
X and Z Axis cutting feed rate	118" / min	(3,000 mm / min)
Minimum input unit	0.0001"	(0.001 mm = 40 millionth of an inch)

Tool Turret

Turret Tool Stations	8 Station tool turret with any mix of ID and OD tools	
OD Tool Size	1.25" x 1.25"	(32 x 32 mm)
ID Tool Holder Bore (4 ID Toolholders included)	1.97"	(50 mm) (63 mm Optional)

Tailstock

<i>Engraved with inch/metric quill graduations</i>		
Quill Diameter	7.87"	(200 mm)
Quill Stroke	11.81"	(300 mm) with 2 speed quill gearing
Quill Taper	MT - 6	Morse Taper #6
Body Movement	Carried by saddle - manual lockdown	
Optional Hydraulic Tailstock available	Carried by saddle - hydraulic quill & bed lockdown	

Specifications

Cooling System	1.7 HP (1.275 kw) coolant pump
Electrical needs - Fanuc 0i-TF, Drives & Motors	220 vac / ±5% / 3 Phase / 60 Hz
Warranty - 1 Year Machine	2 Year FANUC control and drives
<i>Machines need stable 220 Volts, 3 Phase - Please use appropriate transformers or voltage stabilizers</i>	