FLAT BED CNC LATHES

CN series

Broe 9", Center distance 4,000 mm

CN-35
- Swing over bed - 880 mm. (35")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 50/60 HP.
- 4-way track.

CN-40
- Swing over bed - 1,040 mm. (40")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 50/60 HP.
- 4-way track.

CN-45
- Swing over bed - 1,135 mm. (45")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 50/60 HP.
- 4-way track.

CN-50
- Swing over bed - 1,275 mm. (50")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 50/60 HP.
- 4-way track.

LC series

LC Series

Broe 6", Center distance 6,000 mm

LC-35
- Swing over bed - 880 mm. (35")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 40/50 HP.
- 2-way track.

LC-40
- Swing over bed - 1,040 mm. (40")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 40/50 HP.
- 2-way track.

LC-45
- Swing over bed - 1,135 mm. (45")
- Distance between centers 1, 500~12,000mm
- Fanuc 18iT control
- Spindle motor 40/50 HP.
- 2-way track.

LC-50
- Swing over bed - 1,275 mm. (50")
- Distance between centers 1, 500~12,000mm
- Fanuc 18iT control
- Spindle motor 40/50 HP.
- 2-way track.

BN series

Bore 9", Center distance 3,000 mm

Bore 10", Center distance 2,000 mm

BN-45
- Swing over bed - 1,135 mm. (45")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 50/60 HP.
- 2-way track. 3-V shape

BN-50
- Swing over bed - 1,275 mm. (50")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 50/60 HP.
- 2-way track. 3-V shape

BN-60
- Swing over bed - 1,527 mm. (60")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 50/60 HP.
- 2-way track. 3-V shape

BN-70
- Swing over bed - 1,790 mm. (70")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 50/60 HP.
- 2-way track. 3-V shape

KAN series

Bore 9", Center distance 2,000 mm

KAN-50
- Swing over bed - 1,275 mm. (50")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 80/100 HP.
- 4-way track.

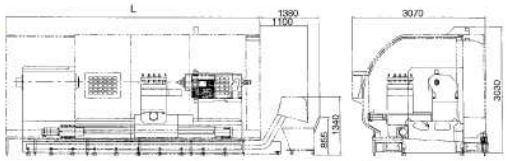
KAN-60
- Swing over bed - 1,530 mm. (60")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 80/100 HP.
- 4-way track.

KAN-80
- Swing over bed - 2,040 mm. (80")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 80/100 HP.
- 4-way track.

KAN-70
- Swing over bed - 1,800 mm. (70")
- Distance between centers 1,500~12,000mm
- Fanuc 18iT control
- Spindle motor 80/100 HP.
- 4-way track.

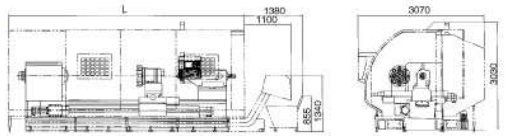
DIMENSIONS

KAN Series



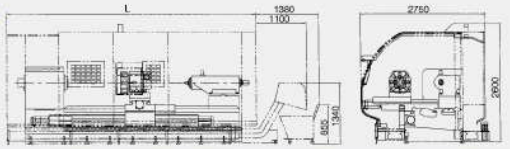
L	5860	6860	7860	8860	9860	10860	11860	12860	13860	14860	15860
Center Distance	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000

BN Series



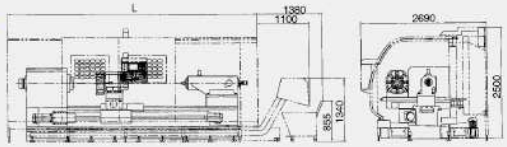
L	5560	6560	7560	8560	9560	10560	11560	12560	13560	14560	15560
Center Distance	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000

CN Series



L	5470	6470	7470	8470	9470	10470	11470	12470	13470	14470	15470
Center Distance	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000

LC Series



L	5260	6260	7260	8260	9260	10260	11260	12260	13260	14260	15260
Center Distance	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000

LC & BN & CN & KAN Series Specifications:

ITEM		UNIT	LC-35	LC-40	LC-45	LC-50	BN-45	BN-50	BN-60	BN-70	CN-35	CN-40	CN-45	CN-50	KAN-50	KAN-60	KAN-70	KAN-80
CAPACITY	Center height	mm. (in.)	440 (17.5)	505 (20)	568 (22.5)	638 (25)	568 (22.5)	638 (25)	764 (30)	895 (35)	440 (17.5)	505 (20)	573 (22.5)	638 (25)	638 (25)	765 (25)	900 (35)	1020 (40)
	Swing over bed	mm.(in.)	880 (35)	1010 (40)	1135 (45)	1275 (50)	1135 (45)	1275 (50)	1527 (50)	1790 (70)	880 (35)	1010 (40)	1145 (45)	1275 (50)	1275 (50)	1530 (60)	1800 (70)	2040 (80)
	Swing over cross-slide	mm. (in.)	510 (20)	640 (25)	765 (30)	905 (35)	710 (28)	850 (33)	1102 (43)	1365 (53)	400 (16)	530 (21)	665 (26)	795 (31)	745 (29)	1000 (39)	1275 (50)	1515 (60)
	Distance between centers	mm. (in.)	1500 (60), 2000 (80), 2500 (100), 3000 (120), 3500 (140), 4000 (160), 5000 (200), 6000 (240), 7000 (280), 8000 (320), 9000 (360), 10000 (400), 11000 (440), 12000 (480)															
BED	Width	mm. (in.)	560 (22)				715 (28)				1020 (40)				1210 (47.5)			
HEADSTOCK	Spindle nose		A2-11,		A2-15,		A2-15,		A2-20,		A2-20,		A2-28,		A2-28,		A2-32,	
	Spindle bore	mm. (in.)	153 (6.02)		230 (9.05)		255 (10.03)		318 (12.51)		360 (14.17)		410 (16.14)		535 (21.06)		610 (24.02)	
	Spindle step		Auto 4 steps															
	Spindle speeds	1 range - rpm	18 ~ 130,		16 ~ 120,		13 ~ 95,		12 ~ 85,		10 ~ 75,		8 ~ 50,		6 ~ 40,		4 ~ 25,	
		2 range - rpm	35 ~ 260,		30 ~ 200,		25 ~ 2185,		23 ~ 170,		20 ~ 150,		15 ~ 100,		12 ~ 80,		8 ~ 50,	
		3 range - rpm	85 ~ 550,		870 ~ 420,		60 ~ 400,		55 ~ 300,		50 ~ 250,		35 ~ 200,		30 ~ 180,		20 ~ 140,	
		4 range - rpm	165 ~ 1000,		150 ~ 700,		120 ~ 600,		110 ~ 400,		195 ~ 350,		65 ~ 300,		50 ~ 250,		40 ~ 220,	
TURRET	Standard tool post		Auto 4-way or Polygon Disc or VDI Disc															
	No. of tool stations		H4, H6						12		8 or 12							
	Tool shank cross section	mm. (in.)	32 x 32 (1.25)															
	Tool shank diameter	mm. (in.)	60 (2.5)															
TRAVEL	Cutting feed rate	mm./rev (in./rev)	X-axis: 0.001 ~ 250 (0.00004 ~ 9.84) Z-axis: 0.001 ~ 400 (0.00004 ~ 15.75)															
	Rapid travel	M./min. (Ft./min.)	X-axis: 6 (19.68), Z-axis: 8 (26.24)															
	Ball screw diameter	mm. (in.)	X-axis: 40 (1.57) Z-axis: 63 (2.48)				X-axis: 45 (1.77) Z-axis: 80 (3.15)				X-axis: 50 (1.97) Z-axis: 80 (3.15)				X-axis: 60 (2.36) Z-axis: 100 (3.95)			
TAILSTOCK	Quill type		Built - in type, Rotating tailstock quill															
	Quill diameter	mm. (in.)	235 (9.25)												280 (11)			
	Quill travel	mm. (in.)	200 (7.87)												250 (10)			
	Inner taper of quill		MT #6															
MOTOR	Main spindle motor	KW (HP)	30 / 37 (40 / 50)-STD. 37.5 / 45 (50 / 60)-OPT.				37.5 / 45 (50 / 60)								60 / 75 (80 / 100)			
	X-axis servomotor	KW (HP)	3.8 (5.1)				4.5 (6)								5.9 (8)			
	Y-axis servomotor	KW (HP)	3.8 (5.1)				4.5 (6)								8.2 (11)			
	Hydraulic pump motor	KW (HP)	3.7 (5)												7.5 (10)			
	Coolant pump motor	KW (HP)	1.05 (1.4)															
CONTROLLER			FANUC 18iT-STD. Other required-OPT.															
MACHINE WEIGHT	2,000 mm. center distance	kgs.(lbs.)	13000(28600)	13350(29370)	13700(30140)	14050(30910)	16200(35640)	16600(36520)	17400(38280)	18200(40040)	20700(45540)	21700(47740)	22700(49940)	23700(52140)	26700(58740)	28200(62040)	29700(65340)	31200(68640)
	Each extra 1,000 mm. weight	kgs. (lbs.)	1000 (2200)				1600 (3520)				2500 (5500)				4000 (8800)			

Specifications are subject to change request without notice for improvement.

HYDRAULIC STEADY REST
- Suitable for machining long workpieces.
- Available to select automatic or manual traverse mode.

SERVO TURRET
- High stiffness and accuracy (positioning 3"/repeatability 1")
- High loading capacity
  1,500 kg-m
  1,600 kg-m
  800 kg-m

TAILSTOCK
- Larger tailstock quill diameter and taper
- Tailstock quill travel with limit switch control
- Rotary spindle is standard

DEPENDABLE, FLAT-BED CNC LATHES ENABLE HEAVY DUTY, HIGH PRODUCTIVITY AND PRECISE MACHINING.

Proking Flat-Bed CNC lathes are designed primarily for heavy duty turning operations with dramatic productivity. The high quality casting construction assures optimum rigidity and stability for years of reliable, trouble-free operation. Great horsepower motor provides powerful cutting. Each machine is manufactured to the highest quality standards.

Proking's wide range of flat bed CNC lathes gives you a flexible choice. No matter which model you select, you get a lathe that can increase productivity and profits for your parts turning.

STANDARD ACCESSORIES

1. Coolant system
2. Auto lubrication
3. Work lamp
4. Safe guarding
5. Tools and tool box
6. Various manuals
7. Programmable tailstock
8. Turnable tailstock spindle
9. Chip conveyor, 2 sets
10. Headstock oil cooler
11. Cabinet refrigerator

OPTIONAL ACCESSORIES

1. Double turret
2. Steady rest (manual or hydraulic)
3. Follow rest
4. C-axis
5. Double chuck
6. Linear scale