

SPECIFICATIONS

CAPACITY	Unit	SN32C	SN40C	SN50C	SN63C	SN71C
Swing over bed	in.	13.3	16	20	25	28
Swing over cross slide	in.	6.6	8.6	10.6	13.5	16.5
Swing in gap	in.	20.5	23.5	27.5	34.5	37.5
Length of gap, from spindle nose	in.	12.25	12.25	12.25	15.25	15.25
Center distance	in.	30, 40	40, 60, 80	40, 60, 80	60, 80, 120, 160	60, 80, 120, 160
HEADSTOCK AND BED						
Spindle Speeds:	No. of rpm	16	14	14	16	16
- range		14-2500	22-2000	22-2000	10-1000	10-1000
Spindle nose CAMLOCK D1	in.	6	6	6	8	8
Spindle hole	in.	2.0	2.0	2.0	2.9	2.9
Taperin spindle sleeve	Morse	4	4	4	5	5
Bed width x depth	in.	13.5 x 16	13.5 x 16	13.5 x 16	18 x 20	18 x 20
THREADS AND FEEDS						
Inch pitch (35 selections)	t.p.i.	2-160	1-80	1-80	1-80	1-80
Diametral pitch (31 selections)	t.p.i.	4-160	2-72	2-72	2-72	2-72
Metric pitch (29 selections)	mm	0.025-20	0.5-40	0.5-40	0.5-40	0.5-40
Module pitch (26 selections)	mm	0.125-10	0.25-20	0.25-20	0.25-20	0.25-20
Feed range: carriage (38 selections)	in./rev.	0.001-0.126	0.002-0.242	0.002-0.242	0.002-0.242	0.002-0.242
: cross slide (38 selections)	in./rev.	0.0005-0.06	0.001-0.121	0.001-0.121	0.001-0.121	0.001-0.121
: rapid longitudinal	in./min.	—	120	120	120	120
: rapid cross	in./min.	—	60	60	60	60
Leadscrew (Acme), dia.	in.- t.p.i.	1.6-4	1.6-4	1.6-4	1.9-4	1.9-4
CARRIAGE AND COMPOUND						
Cross slide travel	in.	10.3	12	12	16	16
Top slide travel	in.	5.5	5.5	5.5	7	7
TAILSTOCK						
Spindle diameter	in.	2.75	2.75	2.75	3.50	3.50
Spindle travel	in.	7.1	7.1	7.1	9.5	9.5
Size of center	Morse	5	5	5	5	5
Tailstock set-over (either side)	in.	0.5	0.5	0.5	0.4	0.4
MOTORS						
Main drive motor	hp	5.4	7.5	7.5	10.2	10.2
Rapid traverse motor	hp	—	0.75	0.75	0.75	0.75
GENERAL DATA (based on shortest c/c)						
Floor space, width x length	in.	43 x 88	44 x 102	44 x 121	58 x 137	58 x 137
Net weight (approx.)	lb.	3400	3600	3700	6400	6600
+ Add for each 20" extra bed (approx.)	lb.	175	220	220	270	270

STANDARD EQUIPMENT

- ▶ Operating on North American electrical supply
- ▶ Coolant system-complete
- ▶ Thread dial
- ▶ Levelling screws
- ▶ Tool cabinet in right leg (SN32, 40C, 50C)
- ▶ Set of service tools

- ▶ Taper reducing sleeve for spindle
- ▶ Two centers
- ▶ Tang slot in tailstock spindle
- ▶ Drive plate
- ▶ Standard change gears
- ▶ Operating instructions
- ▶ Precision Test certificate

OPTIONAL ACCESSORIES

- ▶ Small and Large Steady rests
- ▶ Follow rests
- ▶ Slotted Faceplates
- ▶ Micrometer longitudinal and cross stops
- ▶ Taper turning attachment
- ▶ 3 Jaw and 4 Jaw Chucks

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