



CW6163B/80B/94B

- 1. The side wall of bed is constructed with double-rib Plates, and the shape of internal ribs is of box type and bevel ribs combination. The rigidity is higher than that of ordinary lathes. The precision is stable. And these lathes can carry out strong force cutting.**
- 2. On apron, there is a device, operated by a single lever, used for rapid traverse of the carriage. Spindle's braking and rotating direction change is controlled by hydraulic system, or by hand operation, all to user's choice.**
- 3. The saddle guide way is glued by "TSF" soft belt wear resisting materials.**
- 4. On user's demand, we can equip the lathe with automatic feeding mechanism. The top slide can be used independently for turning of short cone. In combination with longitudinal feeding, it can also turn long taper surface.**

These lathes are suitable mainly for turning internal and external cylindrical, Conical and other swing surface as well as various metric, inch, module and diametric pitch threads. They can also be used for broaching oil grooves and keyways. There are also following features:

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Item	Unit	CW6163B CW6263B	CW6180B CW6280B	CW6194B CW6294B
Swing over bed	mm	630	800	940
Swing over carriage	mm	350	520	660
Maximum length of workpiece	mm	750/1000/1500/2000/3000/4000/5000/6000/7000/8000/9000/10000		
Maximum turning length	mm	600/850/1350/1850/2850/3850/4850/5850/6850/7885/8850/9850		
Swing over gap	mm	830 (CW6263B)	1000 (CW6280B)	1140 (CW6294B)

Effective width of gap	mm	300 (CW6263B)	300 (CW6280B)	300 (CW6294B)
Pan of guideway	mm	550	550	550
Spindle nose		C11	C11	C11
Spindle bore	mm	100	100	100
Taper hole of spindle		1:20/120	1:20/120	1:20/120
Range of spindle speeds	r/min	7.5-1000	6-800	6-800
Number of spindle speeds		18	18	18
Longitudinal and cross	r/min	64;0.1-24.32	64;0.1-24.32	64;0.1-24.32
Cross-to-long longitudinal feed rate		1.0/2.0	1.0/2.0	1.0/2.0
Screw pitch of leadscrew	mm	12	12	12
Number and range of metric thread	mm	50;1-240	50;1-240	50;1-240
Number and range of inch thread		26;14-1(牙/寸)	26;14-1(牙/寸)	26;14-1(牙/寸)
Number and range of module thread	mm	53 ; 0.5-120	53 ; 0.5-120	53 ; 0.5-120
Number and range of diametrical pitch thread		24 ; 28-1(牙/寸)	24 ; 28-1(牙/寸)	24 ; 28-1(牙/寸)
Rapid traverse speed of carriage	mm/min	4000	4000	4000
Max.travel of cross slide	mm	440	540	570
Max.travel of top slide	mm	200 (小刀架自动走刀130)	200	200
Section of tool shank	mm	□32	□32	□32
Diameter of tailstock quill	mm	100	100	100
Travel of tailstock quill	mm	250	250	250

Taper hole of tailstock quill		Morse 5	Morse 5	Morse 5
Main motor power	kw	11	11	11
Width	mm	1393	1473	1430
Height	mm	1537	1622	1690

*Remark: the workpiece limit Load:2 TONS.
spindle bore 105mm,bed width 550mm*