

1 SPECIFICATION FOR TK-430, & TK-380

SERIES		TK-430			TK-380		
DESCRIPTION		TK-430	TK-430L	TK-430GL	TK-380	TK-380L	TK-380GL
General	Swing over bed	430mm (17in.)			380mm (15in.)		
	Swing over gap	660mm (20in.)			610mm (24in.)		
Capacity	Swing over cross slide	270mm (10 5/8in.)			230mm (9in.)		
	Distance between centers	750mm(30in.)	1000mm(40in.)	1500mm(60in.)	750mm(30in.)	1000mm(40in.)	1500mm(60in.)
Main	Type of spindle nose	D1-6 or A1-6			D1-6 or A1-6		
	Main spindle bore	52mm (2in.)			52mm (2in.)		
Spindle	Taper of spindle bore	M.T. NO. 6			M.T. NO. 6		
	Taper of center	M.T. NO. 4			M.T. NO. 4		
	Spindle speeds	50-1800 r.p.m., 12 steps			55-2000 r.p.m., 12 steps		
Carriage	Cross slide travel	215mm (8 1/2in.)			215mm (8 1/2in.)		
	Compound rest travel	125mm (5in.)			125mm (5in.)		
	Max. size cutting tool	19mmx19mm (3/4in.x3/4in.)			25mmx25mm (1in.x1in.)		
Tailstock	Spindle diameter	58mm (2 1/4in.)			58mm (2 1/4in.)		
	Spindle travel	150mm (5 7/8in.)			150mm (5 7/8in.)		
	Taper of center	M.T. NO. 4			M.T. NO. 4		
Bed	Bed length	1600mm(63in.)	1860mm(73in.)	2380mm(94in.)	1600(63in.)	1860mm(73in.)	2380mm(94in.)
	Bed width	300mm (12in.)			300mm (12in.)		
	Bed HEIGHT	300mm (10in.)			300mm (12in.)		
Power	Main drive motor	7 1/2HP			5HP		
	Coolant pump motor	1/8HP			1/8HP		
Floor Dimension		1970x1000mm	2240x1000mm	2690x1000mm	1970x1000mm	2240x1000mm	2690x1000mm
Approx. Weight		1300 Kg.	1400 Kg.	1500 Kg.	1200 Kg.	1300 Kg.	1400 Kg.
Packing Measurement		(m)2.0x1.0x1.5	(m)2.3x1.0x1.5	(m)2.7x1.0x1.5	(m)2.0x1.0x1.5	(m)2.3x1.0x1.5	(m)2.7x1.0x1.5

* All the gears in headstock be hardened and ground.

● Illustrations and Specifications are not binding in detail;

The designs are subject to modification and improvement without notice.

SYSTEM	METRIC SYSTEM		INCH SYSTEM	
	TK-430	TK-380	TK-430	TK-380
Pitch of Leadscrew	6mm		4 T.P.I.	
Diameter of Leadscrew	32mm		1 1/4in.	
Number of Whitworth threads	36	36	36	36
Range of Whitworth Threads	4-56 T.P.I.		4-56 T.P.I.	
Number of Metric Pitches	32	32	22	22
Range of Metric Pitches	0.5-7mm/Pitch		0.5-7mm/Pitch	
Number of Feeds Shown	36	36	36	36
Range of Longitudinal Feeds	0.05-0.7mm/rev.	0.05-0.7mm/rev.	0.002-0.28in/rev.	0.002-0.28in/rev.
Range of Cross Feeds	0.025-0.35mm/rev.	0.025-0.35mm/rev.	0.0008-0.14in/rev.	0.001-0.14in/rev.