

# SKT15 / SKT15L / SKT15LM / SKT15LS / SKT15LMS



## CNC Turning Center

High Productivity, Versatile & Integrated Lathe

- High Speed, High Accuracy
- High Rigidity, ensures Long Tool Life and Machining Accuracy
- Integrated Operation
- Easy Control
- Convenient Operation

		SKT15	SKT15L	SKT21LM	SKT15LS	SKT15LMS
Chuck Size	inch	6	6	6	6	6
Swing over the bed	mm [in]	550 [21.7]	550 [21.7]	550 [21.7]	550 [21.7]	550 [21.7]
Maximum turning length	mm [in]	410 [16.1]	530 [20.9]	530 [20.9]	530 [20.9]	530 [20.9]
Bar capacity	mm [in]	45 [1.77]	45 [1.77]	45 [1.77]	45 [1.77]	45 [1.77]
Travel	X	210 [8.3]	210 [8.3]	220 [8.7]	210 [8.3]	220 [8.7]
	Y	N/A	N/A	N/A	-	-
	Z	430 [16.9]	550 [21.7]	550 [21.7]	550 [21.7]	550 [21.7]
	ZB	-	-	-	750 [29.5]	750 [29.5]
Main spindle speed	rpm	6,000	6,000	6,000	6,000	6,000
Sub spindle speed	rpm				6,000	6,000
Rapid Traverse	X axis	36 [1,417]	36 [1,417]	36 [1,417]	36 [1,417]	36 [1,417]
	Y axis	-	-	-	-	-
	Z axis	36 [1,417]	36 [1,417]	36 [1,417]	36 [1,417]	36 [1,417]
	ZB axis	-	-	-	30 [1,181]	30 [1,181]
	C axis	-	-	100	-	100
Power main	Main	11/7.5 [14.7/10]	11/7.5 [14.7/10]	11/7.5 [14.7/10]	11/7.5 [14.7/10]	11/7.5 [14.7/10]
	Sub	-	-	-	3.7/2.2 [4.9/2.9]	3.7/2.2 [4.9/2.9]

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**HYUNDAI-KIA MACHINE  
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Power of Evolution

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# SKT15 / SKT15L / SKT15LM

## Specification

ITEM			SKT15	SKT15L	SKT15LM	
<b>CHUCK</b>	Standard size	inch	6	6	6	
	Optional size					
<b>CAPACITY</b>	Swing over the bed	mm [in]	550 [21.7]	550 [21.7]	550 [21.7]	
	Swing over the cross slide		350 [13.8]	350 [13.8]	350 [13.8]	
	Maximum turning diameter		Turning	350 [13.8]	350 [13.8]	270 [10.6]
			Milling	-	-	255 [10.0]
	Maximum turning length		410 [16.1]	530 [20.9]	530 [20.9]	
Bar capacity	45 [1.77]	45 [1.77]	45 [1.77]			
<b>TRAVEL</b>	Axis	X	210 [8.3]	210 [8.3]	220 [8.7]	
		Y	N/A	N/A	N/A	
		Z	430 [16.9]	550 [21.7]	550 [21.7]	
		ZB	-	-	-	
			-	-	-	
<b>MAIN SPINDLE</b>	Maximum spindle speed	rpm	6,000	6,000	6,000	
	Spindle nose		A2-5	A2-5	A2-5	
	Spindle bore	mm [in]	53 [2.09]	53 [2.09]	53 [2.09]	
	Maximum spindle torque	kgf-m [ft-lbs]	7.14 [51.6]	7.14 [51.6]	7.14 [51.6]	
	Speed drive		BELT	BELT	BELT	
<b>SUB SPINDLE</b>	Chuck size	mm [in]	N/A	N/A	N/A	
	Maximum spindle speed	rpm				
	Spindle nose					
	Spindle bore	mm [in]				
	Bar capacity	mm [in]				
	Maximum spindle torque	kgf-m [ft-lbs]				
	Speed drive					
<b>TOOL POST</b>	Type		NC Servo(B/H)	NC Servo(B/H)	NC servo(VDI)	
	Number of tool	EA	12	12	12	
	Tool Size	O.D	mm [in]	25 [1.0]	25 [1.0]	25 [1.0]
		I.D	mm [in]	32 [1 1/4]	32 [1 1/4]	32 [1 1/4]
	Turret clamping force	kgf-m [ft-lbs]	3,390 [7,474]	3,390 [7,474]	3,390 [7,474]	
Turret indexing time (1 face)	sec.	0.2	0.2	0.3		
<b>MILLING TOOL</b>	Type		N/A	N/A	VDI40	
	Max. speed	rpm			4,000	
	Motor power	kw [hp]			3.7/2.2 [4.9/2.9]	
<b>FEED</b>	Rapid traverse rate	X axis	36 [1,417]	36 [1,417]	36 [1,417]	
		Y axis	-	-	-	
		Z axis	36 [1,417]	36 [1,417]	36 [1,417]	
		ZB axis	-	-	-	
		C axis	-	-	100	
<b>TAIL STOCK</b>	Type		One touch	One touch	One touch	
	Quill bore taper	-	MT#4	MT#4	MT#4	
	Quill diameter		56 [2.2]	56 [2.2]	56 [2.2]	
	Quill travel	mm [in]	-	-	-	
	Tail stock travel		400 [15.8]	520 [20.5]	720 [28.4]	
<b>MOTOR</b>	Spindle	Main	11/7.5 [14.7/10]	11/7.5 [14.7/10]	11/7.5 [14.7/10]	
		Sub	-	-	-	
	Feed	X/Z	3.0/3.0 [4.0/4.0]	3.0/3.0 [4.0/4.0]	3.0/3.0 [4.0/4.0]	
		Y/ZB	-	-	-	
	Coolant					
<b>Bed slant</b>		deg.	45°	45°	45°	
<b>Slide way</b>			Ball guide	Ball guide	Ball guide	
<b>Power capacity</b>	Fanuc	kVA	20	25	30	
	Siemens		-	-	-	
<b>Floor space (LxW)</b>	Fanuc	mm [in]	2,405 × 1,650 [97.7 × 65.0]	2,900 × 1,650 [114.3 × 65.0]	3,045 × 1,650 [119.9 × 64.8]	
	Siemens		-	-	-	
<b>Weight</b>		kgf [lbs]	4,000 [8,818]	4,100 [9,039]	4,200 [9,259]	
<b>Controller</b>	STD		FANUC 0iT	FANUC 0iT	FANUC 0iT	
	OPT		FANUC 21iT	FANUC 21iT	FANUC 21iT	

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# SKT15LS / SKT15LMS

## Specification

ITEM			SKT15LS	SKT15LMS	
<b>CHUCK</b>	Standard size	inch	6	6	
	Optional size				
<b>CAPACITY</b>	Swing over the bed	mm [in]	550 [21.7]	550 [21.7]	
	Swing over the cross slide		350 [13.8]	350 [13.8]	
	Maximum turning diameter		350 [13.8]		
	Turning Milling		-	255 [10.0]	
	Maximum turning length		530 [20.9]	530 [20.9]	
Bar capacity		45 [1.77]	45 [1.77]		
<b>TRAVEL</b>	Axis	X	210 [8.3]	220 [8.7]	
		Y	-	-	
		Z	550 [21.7]	550 [21.7]	
		ZB	750 [29.5]	750 [29.5]	
<b>MAIN SPINDLE</b>	Maximum spindle speed	rpm	6,000	6,000	
	Spindle nose		A2-5	A2-5	
	Spindle bore	mm [in]	53 [2.09]	53 [2.09]	
	Maximum spindle torque	kgf-m [ft-lbs]	7.14 [51.6]	7.14 [51.6]	
	Speed drive		BELT	BELT	
<b>SUB SPINDLE</b>	Chuck size	mm [in]	135 [5]	135 [5]	
	Maximum spindle speed	rpm	6,000	6,000	
	Spindle nose		Flat( 115)	Flat( 115)	
	Spindle bore	mm [in]	43 [1.69]	43 [1.69]	
	Bar capacity	mm [in]	33 [1.30]	33 [1.30]	
	Maximum spindle torque	kgf-m [ft-lbs]	2.4 [17.4]	7.14 [51.6]	
	Speed drive		BELT	SERVO	
<b>TOOL POST</b>	Type		NC Servo(B/H)	NC servo(VDI)	
	Number of tool	EA	12	12	
	Tool Size	O.D	mm [in]	25 [1.0]	25 [1.0]
		I.D	mm [in]	32 [1 1/4]	32 [1 1/4]
	Turret clamping force	kgf-m [ft-lbs]	3,390 [7,474]	3,390 [7,474]	
Turret indexing time (1 face)	sec.	0.2	0.2		
<b>MILLING TOOL</b>	Type		N/A	VDI40	
	Max. speed	rpm		4,000	
	Motor power	kw [hp]		3.7/2.2 [4.8/2.9]	
<b>FEED</b>	Rapid traverse rate	X axis	36 [1,417]	36 [1,417]	
		Y axis	-	-	
		Z axis	36 [1,417]	36 [1,417]	
		ZB axis	30 [1,181]	30 [1,181]	
		C axis	-	100	
<b>TAIL STOCK</b>	Type		N/A	N/A	
	Quill bore taper	-			
	Quill diameter				
	Quill travel	mm [in]			
Tail stock travel					
<b>MOTOR</b>	Spindle	Main	11/7.5 [14.7/10]	11/7.5 [14.7/10]	
		Sub	3.7/2.2 [4.9/2.9]	3.7/2.2 [4.9/2.9]	
	Feed	X/Z	3.0/3.0 [4.0/4.0]	3.0/3.0 [4.0/4.0]	
		Y/ZB	1.4 [1.9]	1.4 [1.9]	
Coolant					
<b>Bed slant</b>		deg.	45°	45°	
<b>Slide way</b>			Ball guide	Ball guide	
<b>Power capacity</b>	Fanuc	kVA	30	30	
	Siemens		-	-	
<b>Floor space (LxW)</b>	Fanuc	mm [in]	3,045 × 1,650 [119.9 × 65]	3,045 × 1,650 [119.9 × 65]	
	Siemens				
<b>Weight</b>		kgf [lbs]	4,200 [9,259]	4,300 [9,480]	
<b>Controller</b>		STD	FANUC 0iT	FANUC 0iT	
		OPT	FANUC 21iT	FANUC 21iT	

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