SKT21 / SKT21L / SKT21LM / SKT21LS / SKT21LMS

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

			SKT21	SKT21L	SKT21LM	SKT21LS	SKT21LMS
Chuck Size		inch	8	8	8	8	8
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]	65 [2.56]	65 [2.56]	65 [2.56]	65 [2.56]	65 [2.56]
Travel	X	mm [in]	210 [8.3]	210 [8.3]	210 [8.3]	210 [8.3]	210 [8.3]
	Y		-	-	-	-	-
	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	4,000	4,000	4,000	4,000	4,000
Sub spindle speed		rpm				6,000	6,000
Rapid Traverse	X axis	m/min [ipm]	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	kw [hp]	15/11 [20.1/14.7]	15/11 [20.1/14.7]	15/11 [20.1/14.7]	15/11 [20.1/14.7]	15/11 [20.1/14.7]
	Sub		-	-	-	3.7/2.2 [5.0/3.0]	3.7/2.2 [5.0/3.0]

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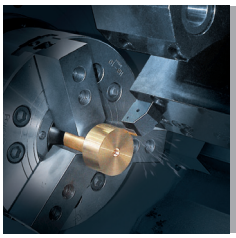

SKT21 / SKT21L / SKT21LM

Specification

ITEM				SKT21	SKT21L	SKT21LM
CHUCK	Standard size		inch	8	8	8
	Optional size					
CAPACITY	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]	
		Milling		-	-	255 [10.0]
	Maximum turning length			410 [16.1]	530 [20.9]	530 [20.9]
	Bar capacity			65 [2.56]	65 [2.56]	65 [2.56]
TRAVEL	Axis	X	mm [in]	210 [8.3]	210 [8.3]	210 [8.3]
		Y		-	-	-
		Z		430 [16.9]	550 [21.7]	550 [21.7]
		ZB		-	-	-
MAIN SPINDLE	Maximum spindle speed		rpm	4,000	4,000	4,000
	Spindle nose			A2-6	A2-6	A2-6
	Spindle bore		mm [in]	78 [3. 07]	78 [3. 07]	78 [3. 07]
	Maximum spindle torque		kgf-m [ft-lbs]	29.22 [211.3]	29.22 [211.4]	29.22 [211.4]
	Speed drive			BELT	BELT	BELT
SUB SPINDLE	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					
TOOL POST	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		40 [1 1/2]	40 [1 1/2]	40 [1 1/2]
	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	0.2
MILLING TOOL	Type			N/A	N/A	VDI40
	Max. speed		rpm			4,000
	Motor power		kw [hp]			3.7/2.2
FEED	Rapid traverse rate	X axis	m/min [in]	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
TAIL STOCK	Type			One touch	One touch	One touch
	Quill bore taper		-	MT#4	MT#4	MT#4
	Quill diameter		mm [in]	56 [2.2]	56 [2.2]	56 [2.2]
	Quill travel			-	-	-
	Tail stock travel			400 [15.8]	520 [20.5]	720 [28.3]
MOTOR	Spindle	Main	kw [hp]	15/11 [20.1/14.7]	15/11 [20.1/14.7]	15/11 [20.1/14.7]
		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					
Bed slant			deg.	45°	45°	45°
Slide way				Roller guide	Roller guide	Roller guide
Power capacity		Fanuc	kVA	25	25	30
		Siemens				
Floor space (LxW)		Fanuc	mm [in]	2,405 × 1,650 [94.7 x 65.0]	2,900 × 1,650 [114.2x65.0]	3,045 × 1,650 [119.9 x 65.0]
		Siemens				
Weight			kgf [lbs]	4,100 [9,039]	4,200 [9,259]	4,300 [9,480]
Controller			STD	FANUC 0iT	FANUC 0iT	FANUC 0iT
			OPT	FANUC 21iT	FANUC 21iT	FANUC 21iT

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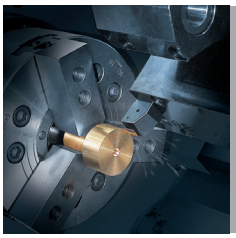

SKT21LS / SKT21LMS

Specification

ITEM				SKT21LS	SKT21LMS
CHUCK	Standard size		inch	8	8
	Optional size				
CAPACITY	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	Turning		350 [13.8]	
		Milling		-	255 [10.0]
	Maximum turning length			530 [20.9]	530 [20.9]
	Bar capacity			65 [2.56]	65 [2.56]
TRAVEL	Axis	X	mm [in]	210 [8.3]	210 [8.3]
		Y		-	-
		Z		550 [21.7]	550 [21.7]
		ZB		750 [29.5]	750 [29.5]
MAIN SPINDLE	Maximum spindle speed		rpm	4,000	4,000
	Spindle nose			A2-6	A2-6
	Spindle bore		mm [in]	78 [3. 07]	78 [3. 07]
	Maximum spindle torque		kgf-m [ft-lbs]	29.22 [211.4]	29.22 [211.4]
	Speed drive			BELT	BELT
SUB SPINDLE	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 [1.3]	33 [1.3]
	Maximum spindle torque		kgf-m [ft-lbs]	2.4 [17.4]	2.4 [17.4]
	Speed drive			SERVO	SERVO
TOOL POST	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		40 [1 1/2]	40 [1 1/2]
	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
MILLING TOOL	Type			N/A	VDI40
	Max. speed		rpm		4,000
	Motor power		kw [hp]		3.7/2.2
FEED	Rapid traverse rate	X axis	m/min [in]	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
TAIL STOCK	Type			N/A	N/A
	Quill bore taper		-		
	Quill diameter		mm [in]		
	Quill travel				
	Tail stock travel				
MOTOR	Spindle	Main	kw [hp]	15/11 [20.1/14.7]	15/11 [20.1/14.7]
		Sub		3.7/2.2 [5.0/3.0]	3.7/2.2 [5.0/3.0]
	Feed	X/Z		3.0/3.0 [4.0/4.0]	3.0/3.0 [4.0/4.0]
		Y/ZB			
	Coolant				
Bed slant			deg.	45°	45°
Slide way				Roller guide	Roller guide
Power capacity		Fanuc	kVA	30	30
		Siemens			
Floor space (LxW)		Fanuc	mm [in]	3,045 × 1,650 [119.9 x 65.0]	3,045 × 1,650 [119.9 x 65.0]
		Siemens			
Weight			kgf [lbs]	4,300 [9,480]	4,400 [9,700]
Controller			STD	FANUC 0iT	FANUC 0iT
			OPT	FANUC 21iT	FANUC 21iT

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