

SPECIFICATION Spindle bore 9",10",12",15" only fit to swing over bed over 1120mm.

Unit: mm / inch

MODEL / WIDTH OF BED 24" (610)		DHL-960		1120		1220		1320		1420							
MODEL		1500		2000		3000		4000		5000		6000					
MODEL / WIDTH OF BED 32" (810)		DHK-960		1120		1220		1320		1420		1520		1620			
MODEL		1500		2000		3000		4000		5000		6000		6000			
CAPACITY	DHL	Swing over bed		960 (37.8")		1120 (44")		1220 (48")		1320 (51.97")		1420 (55.91")		1420 (55.91")			
		Center height		480 (18.9")		560 (22")		610 (24.02")		660 (25.98")		710 (27.95")		710 (27.95")			
		Swing over cross slide		600 (23.62")		760 (29.92")		860 (33.86")		960 (37.8")		1060 (41.73")		1060 (41.73")			
		Z-axis travel		1500 (59.06")		2000 (78.74")		3000 (118")		4000 (157.48")		5000 (196.85")		6000 (236.22")			
				◎ Z-axis travel changed by different turret, chuck, or tailstock.													
		Distance between center		1500 (59.06")		2000 (78.74")		3000 (118")		4000 (157.48")		5000 (196.85")		6000 (236.22")			
CAPACITY	DHK	Length of bed		3450 (135.83")		3950 (155.51")		4950 (194.88")		5950 (234.25")		6950 (273.62")		7950 (313")			
		Width of bed		610 (24")													
		Swing over bed		960 (37.8")		1120 (44")		1220 (48")		1320 (51.97")		1420 (55.91")		1520 (59.84")		1620 (63.78")	
		Center height		480 (18.9")		560 (22")		610 (24.02")		660 (25.98")		710 (27.95")		760 (29.92")		810 (31.89")	
		Swing over cross slide		550 (21.65")		710 (27.95")		810 (31.89")		910 (35.83")		1010 (39.76")		1110 (43.7")		1210 (47.64")	
		Z-axis travel		1500 (59.06")		2000 (78.74")		3000 (118")		4000 (157.48")		5000 (196.85")		6000 (236.22")		6000 (236.22")	
CAPACITY	DHK			Z-axis travel changed by different turret, chuck, or tailstock.													
		Distance between center		1500 (59.06")		2000 (78.74")		3000 (118")		4000 (157.48")		5000 (196.85")		6000 (236.22")			
		Length of bed		3960 (155.91")		4460 (175.59")		5460 (214.96")		6460 (254.33")		7460 (293.7")		8460 (333.07")			
		Width of bed		810 (32")													
HEADSTOCK	Spindle bore		Ø152 (6")		OP: Ø230(9")		OP: Ø255(10")		OP: Ø312(12")		OP: Ø380(15")						
	Spindle nose		A2-11 OP: A2-15		A2-15 OP: A2-20		A2-15 OP: A2-20		A2-20		A2-20		A2-20				
	Range of spindle speed		6-500 rpm		7-350rpm												
	1.range speed		6~35 rpm		7-20rpm												
	2.range speed		19~112 rpm		19-60rpm												
	3.range speed		70~350 rpm		40-121rpm												
	4.range speed		226~500 rpm		11-350rpm												
			◎ Spindle speed is changed by different horse power.														
	No.of spindle speed		Auto 4 steps / Hydraulic														
	Cross slide travel (X-axis)		600 (23.62") for hydraulic turret H4														
TRAVEL			◎ X-axis travel changed by different turret														
	XZ-axes rapid feed		5000 mm / min (196.85" / min)														
	XZ-axes cutting feed rate		3000 mm / min (118.11" / min)														
	Dia. of X-axis ball screw		DHL- 32mm, pitch 5mm, C3 grade														
			DHK- 40mm, pitch 10mm, C3 grade														
	Dia. of Z-axis ball screw		63mm, pitch10mm, C3 grade														
TURRET	Turret type		Optional: Hydraulic H4, H6, V8, V12 / VDI H4, H6, V8, V12 / Power turret														
	Tool shank		32 X 32 (1.26" X 1.26")														
TAILSTOCK	Quill diameter		DHL -125 (4.92") / DHK-200 (7.87")														
	Quill Travel		300 (11.81")														
	Taper of center		MT#6														
	Body movement		Carried by saddle														
	Body lock -type		DHL- Manual DHK- manual (Optional: hydraulic type)														
	Quill movement		DHL- Manual DHK- motorized (Optional: hydraulic type)														
MOTOR	Base movement		DHL- Manual DHK- motorized														
	Spindle motor		Continuous 22kw (Optional: 30-50 kw)														
			30 min Rating 26kw														
	X-axis servo motor		3 kw														
	Z-axis servo motor		4 kw														
	Hydraulic pump		1.5 kw (2HP)														
MEASUREMENT - DHL	Coolant pump		1.275 kw (1.7HP)														
	Machine dimensions LXWXH		L 4700 / 5200 / 6200 / 7200 / 8200 / 9200 X W:2750 X H:2280 L 185" / 205" / 244" / 283" / 323" / 362" X W:108" X H:90"														
	N.W. / G.W. (approx) kgs		DHL-960		11100 / 11600		11600 / 13600		12600 / 14800		13600 / 16000		14600 / 17200		15600 / 18400		
			DHL-1120		12100 / 12600		12600 / 14600		13600 / 15800		14600 / 17000		15600 / 18200		16600 / 19400		
	Machine dimensions LXWXH		L 5170 / 5670 / 6670 / 7670 / 8670 / 9670 X W:3100 X H:2280 L 204" / 223" / 263" / 302" / 341" / 381" X W:122" X H:90"														
	N.W. / G.W. (approx) kgs		DHK-960		13000 / 14600		13600 / 15800		14800 / 17200		16000 / 18600		17200 / 20000		18400 / 21400		
MEASUREMENT - DHK			DHK-1120		14000 / 15600		14600 / 16800		15800 / 18200		17000 / 19600		18200 / 21000		19400 / 22400		
	Color		Upper part : RAL-7035 light gray + base : RAL-7024 dark gray														

- We reserve the right to modify and improve our products without notice.
- Z-axis travel & distance between centers will be reduced after headstock installed spindle bore 9"~15".
- DHL-1120X1000 is available to be offered on request.

ACCESSORIES

Turret



OP2-1
Hydraulic turret H4



OP2-3
Hydraulic turret V8



OP6
Double chuck



OP2-4
Hydraulic turret V12



OP2-5
Hydraulic turret H4-VDI



OP2-6
Power turret



OP9
Boring attachment

STANDARD ACCESSORIES :
(without chuck and turret)

1. Controller: FANUC
2. Spindle 4-steps speed auto. change
3. XZ-axes auto. lubrication system
4. XZ-axes with Turcite-B
5. XZ-axes C3 ball screw
6. Rear chain type chip conveyor
7. Manual tailstock
- quill 125mm for DHL model
Strong manual /electric tailstock
- quill Ø 200mm for DHK model
(manual quill, motorized base)
8. Steady rest 16"
9. Coolant system
10. Full enclosed splash guard
11. Heat exchanger
12. Dead center
13. Tools & tool box
14. Operational manual

OPTIONAL ACCESSORIES :

1. Chuck:
 1. 3-jaw chuck
 2. 4-jaw independent chuck
 3. face plate with 4-jaw
 4. Hydraulic 3-jaw through –hole power chuck
 5. Hydraulic 3-jaw non through –hole power chuck
 6. 3-jaw air chuck
2. Turret :
 1. Hydraulic 4-way turret H4
 2. Hydraulic turret H6
 3. Hydraulic turret V8 / VDI disk
 4. Hydraulic turret V12 / VDI disk
 5. Hydraulic turret H4-VDI, H6-VDI
 6. Power turret (must match with C-axis)
3. Transformer
4. Steady rest (manual or hydraulic)
5. Double turret
6. Double chuck
7. Linear scale
8. C-axis
9. Boring attachment
10. Spindle oil cooler
11. Air conditioner (for electric cabinet)
12. Tailstock with self-rotary quill

Actual standard accessories shall be subject to the quotation sheet.



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DENVER

ISO 9001



Photo shown : DHL-1120X3000



Photo shown : DHK-1120X4000

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DHL series 960,1120,1220~1420 < 38",44",48"~55">
BED WIDTH:24" X 1500,2000,3000,4000,5000,6000 < 59",80",120",160",200",240">

DHK series 960,1120,1220~1620 < 38",44",48"~63">
BED WIDTH:32" X 2000,3000,4000,5000,6000 < 80",120",160",200",240">



Photo shown : DHL-1120X3000



Photo shown : DHK-1120X4000

SPINDLE BORE : 6" , 9" , 10" , 12" , 15"

Spindle bore 9" , 10", 12", 15" only fit to swing over bed over 1120mm.

BED WIDTH : 24" (DHL series), 32" (DHK series)

- One-piece casting base for processing capacity to be more stable.
- This is a heavy duty precision CNC lathe that has the function of output full horse power during low & high speed, available for big, special parts and mold work pieces.
- The structure of bed is adopted high toughness Meehanite cast iron; stabilize properly parallel precision, bed ways are induction hardened and ground.
- The slide way and ball screw can be lubricated automatically by central lubrication system. Oil flow and lubrication frequency can be set as desired. An alarm occurs in case of lack of oil.
- The coolant system delivers high pressure coolant to flush chips and extend tool service life.
- Mechanical and electrical are designed all in one.

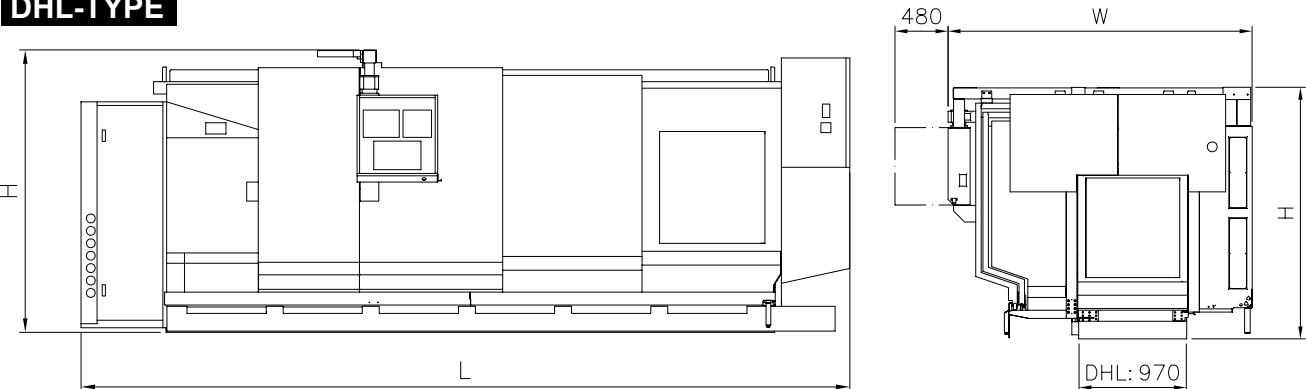
◆ We reseve the right for changing the shape of splash guard.

LAYOUT

Unit : mm

DHL/DHK	L1	1500	2000	3000	4000	5000	6000	H	W
DHL	L	4700	5200	6200	7200	8200	9200	2280	2750
DHK	L	x	5670	6670	7670	8670	9670	2280	3100

DHL-TYPE



DHK-TYPE

