

# High precision lathe 125-CCN L-T

**CCN-turning -  
simple and flexible comparable to a conventional operation!**

The CCN lathe family have the “feel” of being a conventional machine while still offering the advantage of numerical controls.

- **Working areas : linear tools system**



## **125-CCN L-T D1-3 "**

### **Capacities**

Maximum turning diameter	270 mm
Maximum swing over carriage	115 mm
Height of centres over carriage	60 mm
Maximum swing over bed	270 mm
Turning length between centres (according to equipment)	400 mm

### **Headstock**

Standardized spindle nose, for use of several collets and jaw-chucks by means of adapter sleeves

SCHAUBLIN SA collets	B-32
Maximum throughbore, Ø	24 mm

Diameter of standard chuck	130 mm
Direct AC motor drive power at 100%	5,5 kW
power at 50% duty factor	7,5 kW
Max. torque at 100% / 50% duty factor	42 /60 Nm
Spindle speeds, stepless	5000 min-1
Pneumatic closing cylinder,maximum 5 bar	1150 daN
<b>Apron and carriage</b>	
Transverse stroke : X-axis	180 mm
Resolution,on radius	0,0005 mm
AC motor drive, torque	2,9 Nm
Ball screw, Ø x pitch	20 x 5 mm
Longitudinal stroke : Z-axis	400 mm
Resolution	0,001 mm
AC motor drive, torque	2,9 Nm
Ball screw, Ø x pitch	32 x 5 mm
<b>Feeds</b>	
Working feeds, X-/Z-axis,stepless	0-5000 mm/min
Rapid feed, X-/Z-axis	7,5 m/min
Feed pressure, X-/Z-axis	500 daN
<b>Tooling system: turret</b>	
Number of tool stations	-
Standardized fixing of toolholders	-
Maximum tool size	-
Integrated cooling	-
Indexing in both senses of rotation	-
<b>Tooling system: Linear</b>	
Number of toolholders (depending on workpiece Ø)	
radial	2
frontal	2-5
collets holder	ESX 20
Bar holder	20 mm
MULTIFIX system	16 x 16 mm
<b>Coolant supply</b>	
Capacity of coolant tank	55 litres
Pump power	10 l/min
Pressure	1,7 bars
<b>Accessories:</b>	
Starwheel-operated tailstock	
Spindle internal taper	Morse 3
Spindle external diameter	45 mm
Spindle stroke	160 mm
Pneumatic support tailstock	

Spindle internal taper	Morse 3
Spindle external diameter	45 mm
Spindle stroke	70 mm
Adjustable pressing force	25-260 daN
<b>Fixed steady -Travelling steady -Tool zero setting - Tool height adjustment and centring with microscope</b>	
CNC COMFORT by SCHAUBLIN MACHINES SA with 18i	18i-TA
Height of centres over floor	1162 mm
Approximate net weight of machine	1415 kg
Load floor	700 kg/m <sup>2</sup>
Dimensions	
length	1830 mm
depth	1260 mm
height	1700 mm

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- **Working areas : turret with fixed tools**



	<b>125-CCN R-T D1-3 "</b>	<b>125-CCN R-T A2-4</b>
<b>Capacities</b>		
Maximum turning diameter	200 mm	200 mm
Maximum swing over carriage	115 mm	115 mm
Height of centres over carriage	60 mm	60 mm
Maximum swing over bed	270 mm	270 mm
Turning length between centres (according to equipment)	400 mm	255 mm
<b>Headstock</b>		
Standardized spindle nose,for use of several collets and jaw-chucks by means of adapter sleeves		

SCHAUBLIN SA collets	B-32	B-32/F-38
Maximum throughbore, Ø	24 mm	24mm/32 mm
Diameter of standard chuck	130 mm	130 mm
Direct AC motor drive power at 100%	5,5 kW	5,5 kW
power at 50% duty factor	7,5 kW	7,5 kW
Max. torque at 100% / 50% duty factor	42 /60 Nm	42 /60 Nm
Spindle speeds, stepless	5000 min-1	5000 min-1
Pneumatic closing cylinder,maximum 5 bar	1150 daN	1150 daN
<b>Apron and carriage</b>		
Transverse stroke : X-axis	180 mm	180 mm
Resolution,on radius	0,0005 mm	0,0005 mm
AC motor drive, torque	2,9 Nm	2,9 Nm
Ball screw, Ø x pitch	20 x 5 mm	20 x 5 mm
Longitudinal stroke : Z-axis	400 mm	400 mm
Resolution	0,001 mm	0,001 mm
AC motor drive, torque	2,9 Nm	2,9 Nm
Ball screw, Ø x pitch	32 x 5 mm	32 x 5 mm
<b>Feeds</b>		
Working feeds, X-/Z-axis,stepless	0-5000 mm/min	0-5000 mm/min
Rapid feed, X-/Z-axis	7,5 m/min	7,5 m/min
Feed pressure, X-/Z-axis	500 daN	500 daN
<b>Tooling system: turret</b>		
Number of tool stations	8	8
Standardized fixing of toolholders	VDI-20	VDI-20
Maximum tool size	16 x 16	16 x 16
Integrated cooling	+	+
Indexing in both senses of rotation	+	+
<b>Tooling system: Linear</b>		
Number of toolholders (depending on workpiece Ø)		
radial	-	-
frontal	-	-
collets holder	-	-
Bar holder	-	-
MULTIFIX system	-	-
<b>Coolant supply</b>		
Capacity of coolant tank	55 litres	55 litres
Pump power	10 l/min	10 l/min
Pressure	1,7 bars	1,7 bars
<b>Accessories:</b>		
Starwhell-operated tailstock		

Spindle internal taper	-	-
Spindle external diameter	-	-
Spindle stroke	-	-
Pneumatic support tailstock		
Spindle internal taper	Morse 3	Morse 3
Spindle external diameter	45 mm	45 mm
Spindle stroke	70 mm	70 mm
Adjustable pressing force	25-260 daN	25-260 daN
<b>Fixed steady -Travelling steady -Tool zero setting -Tool height adjustment and centring with microscope</b>		
CNC COMFORT by SCHAUBLIN MACHINES SA with 18i	18i-TA	18i-TA
Height of centres over floor	1162 mm	1162 mm
Approximate net weight of machine	1445 kg	1445 kg
Load floor	700 kg/m <sup>2</sup>	700 kg/m <sup>2</sup>
Dimensions		
length	1830 mm	1830 mm
depth	1260 mm	1260 mm
height	1700 mm	1700 mm

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# High precision lathe 125-CCN R-TM

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- **Working areas : turret with powered tools**



## **125-CCN R-TM**

**A2-4**

### **Capacities**

Maximum turning diameter	200 mm
Maximum swing over carriage	115 mm
Height of centres over carriage	60 mm
Maximum swing over bed	270 mm
Turning length between centres (according to equipment)	255 mm

### **Headstock**

Standardized spindle nose, for use of several collets and jaw-chucks by means of adapter sleeves

SCHAUBLIN SA collets

B-32/F-38

Maximum throughbore, Ø	24mm/32 mm
Diameter of standard chuck	130 mm
Direct AC motor drive power at 100%	5,5 kW
power at 50% duty factor	7,5 kW
Max. torque at 100% / 50% duty factor	42 /60 Nm
Spindle speeds, stepless	5000 min-1
Pneumatic closing cylinder,maximum 5 bar	1150 daN
<b>Apron and carriage</b>	
Transverse stroke : X-axis	180 mm
Resolution,on radius	0,0005 mm
AC motor drive, torque	2,9 Nm
Ball screw, Ø x pitch	20 x 5 mm
Longitudinal stroke : Z-axis	400 mm
Resolution	0,001 mm
AC motor drive, torque	2,9 Nm
Ball screw, Ø x pitch	32 x 5 mm
<b>Feeds</b>	
Working feeds, X-/Z-axis,stepless	0-5000 mm/min
Rapid feed, X-/Z-axis	7,5 m/min
Feed pressure, X-/Z-axis	500 daN
<b>Tooling system: turret</b>	
Number of tool stations	8
Number of powered tool stations	4
AC motor drive, power in intermintent service	1.14 kW
Speed drive, max	5000 min-1
Standardized fixing of toolholders	VDI-20
Maximum tool size	16 x 16
Integrated cooling	+
Indexing in both senses of rotation	+
<b>Tooling system: Linear</b>	
Number of toolholders (depending on workpiece Ø)	
radial	-
frontal	-
collets holder	-
Bar holder	-
MULTIFIX system	-
<b>Coolant supply</b>	
Capacity of coolant tank	55 litres
Pump power	10 l/min
Pressure	1,7 bars
<b>Accesssories:</b>	
Starwhell-operated tailstock	

Spindle internal taper	-
Spindle external diameter	-
Spindle stroke	-
Pneumatic support tailstock	
Spindle internal taper	Morse 3
Spindle external diameter	45 mm
Spindle stroke	70 mm
Adjustable pressing force	25-260 daN
<b>Fixed steady -Travelling steady -Tool zero setting -Tool height adjustment and centring with microscope</b>	
CNC COMFORT by SCHAUBLIN MACHINES SA with 18i	18i-TA
Height of centres over floor	1162 mm
Approximate net weight of machine	1445 kg
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