

# High precision lathe 70Mi-CF W12

## Technical data 0070-001

### Machining capacity

Max. permissible swing over bed	130 mm
Max. permissible swing over carriage	85 mm
Center height over bed	70 mm
Center height over carriage	16 mm
Maximum distance between centres	275 m
Length of the bed	600 mm
Height of the bed	120 mm

### Main spindle

AC motor drive: Power, continuous	0.75 kW
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### Spindle W12

Spindle for SCHAUBLIN collets	W12
Spindle speed	100 - 8'000 min <sup>-1</sup>
Spindle ID (without chuck key)	Ø12 mm
Max. bar capacity with W12 collet	8.2 mm

### Cross slide

Manual travel of the slide on the bed	280 mm
Transverse stroke, X axis	65 mm
Resolution, X axis	0.01 (vernier)
Trapezoidal thread screw, dia. x pitch	6.5 x 1 mm
Transverse stroke, Z axis	60 mm
Resolution, Z axis	0.01 (vernier)
Trapezoidal thread screw, dia. x pitch	6.5 x 1 mm

### Tooling

Max. cross section of tool shank (Multifix system)	8 x 8 mm
Max. cross section of tool shank (Tripan system)	8 x 8 mm
Bar holder dia. (Multifix system)	10 mm
Bar holder dia. (Tripan system)	8 mm

### Screw-type tailstock

Internal taper of the sleeve	Mo 2
Spindle OD	22 mm
Spindle stroke	45 mm

### Lever-type quick-clamping system (optional)

Max. spindle speed	3'000 min <sup>-1</sup>
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### Lever-operated tailstock (optional)

Internal taper of the sleeve	<b>W12</b>
Spindle OD	<b>22 mm</b>
Spindle stroke	<b>50 mm</b>

### Steady rests (optional)

Capacity, stationary rest, dia.	<b>35 mm</b>
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### Electrical power supply

Voltage	<b>230 V</b>
Frequency	<b>50/60 Hz</b>
Rated current	<b>6 A</b>
Tolerated fluctuations	<b>±5%</b>
Protection at mains end	<b>max 16 A</b>
Power consumption of the machine	<b>1.5 kW</b>

### Dimensions and weight

Approximative net weight of the machine (including oil)	<b>260 kg</b>
Floor load	<b>247 kg/m<sup>2</sup></b>
Rated load carrying capacity of the soil	<b>102 kg/m<sup>2</sup></b>
Pallet weight	<b>60 kg</b>

### 70Mi fixed bench

Overall dimensions: length x depth x height	<b>1'800 x 800 x 1'400 mm</b>
Pallet dimensions	<b>2'100 x 1000 mm</b>

### 70Mi motorized bench

Overall dimensions: length x depth x height	<b>1'600 x 800 x 1'400 mm</b>
Pallet dimensions	<b>1'800 x 1000 mm</b>

### Lubrication

Type of lubrication	<b>Manual</b>
Oil lubrication of the cross slide	<b>BLASER Blasoslide 68</b>
Oil lubrication of the tailstock	<b>BLASER Blahydrol BT 10</b>

### Various

Color of the machine : SCHAUBLIN standard color 2 colors, color 1 Grey	<b>RAL 7015</b>
Color of the machine : SCHAUBLIN standard color 2 colors, color 2 White	<b>RAL 9010</b>
Noise level under load at the operator's station	<b>&lt; 60 dB<sub>A</sub></b>
Machine and equipment in accordance with the CE safety standards	<b>✓</b>
Operating temperature	<b>+15°C -&gt; +30°C</b>
Relative humidity	<b>5% -&gt; 80%</b>