

Technical data 0102-007 / 0102-008

Machining capacity

Max. permissible swing over bed	200 mm
Max. permissible swing over carriage (bottom slide)	120 mm
Center height over bed	102 mm
Center height over carriage	20 mm
Maximum distance between centres	470 mm
Length of the bed	1'000 mm
Height of the bed	168 mm

Main spindle

AC motor drive: Performance, continuous operation	2 kW
Spindle speed	100 - 6'000 min ⁻¹

Spindle W20

Spindle for SCHAUBLIN collets	W20
Spindle ID (without chuck key)	20 mm
Max. bar capacity with W20 collet	14,5 mm

Spindle W25

Spindle for SCHAUBLIN collets	W25
Spindle ID (without chuck key)	25 mm
Max. bar capacity with W25 collet	19 mm

Cross slide

Manual travel of the slide on the bed	442 mm
Transverse stroke, X axis	100 mm
Resolution, X axis (radius)	0.001 (digital)
Trapezoidal thread screw, dia. x pitch	9 x 2 mm
Longitudinal stroke, Z axis	90 mm
Resolution, Z axis	0.001 (digital)
Trapezoidal thread screw, dia. x pitch	9 x 2 mm

Tooling

Max. cross section of tool shank (Multifix system)	16 x 16 mm
Max. cross section of tool shank (Tripan system)	12 x 12 mm
Bar holder dia. (Multifix system)	20 mm
Bar holder dia. (Tripan system)	12 mm

Screw-type tailstock

Internal taper of the sleeve	MORSE 2
Spindle OD	30 mm
Spindle stroke	80 mm

High precision lathe 102Mi W20/W25

SCHAUBLIN
Machines SA 

Rue Nomlieutant 1
2735 Bévillard Switzerland
T +41 32 491 67 00
info@smsa.ch
www.smsa.ch

Technical data 0102-007 / 0102-008

Lever-operated tailstock (option)

Internal taper of the sleeve	W20 / W25
Spindle OD	40 mm
Spindle stroke	100 mm

Star-wheel handle-type tailstock (optional)

Internal taper of the sleeve	W20 / W25
Spindle OD	40 mm
Spindle stroke	150 mm

Lever-type quick-clamping system (option)

Max. spindle speed	3'000 min⁻¹
--------------------	-------------------------------

Pneumatic clamping system (optional)

Adjustable axial clamping force, at 5 bars	500 daN
Max. spindle speed	6'000 min⁻¹

Steady rests (optional)

Capacity, stationary rest, dia.	70 mm
---------------------------------	--------------

Electrical power supply

Voltage	400V
Frequency	50/60 Hz
Rated current	12A
Tolerated fluctuations	+/- 5 %
Protection at mains end	max 20A
Power consumption of the machine	6 kVA

Lubrication

Type of lubrication	Manual
Oil lubrication of the cross slide	BLASER Blasoslide 68
Oil lubrication of the tailstock	BLASER Blahydrol BT 10

Technical data 0102-007 / 0102-008

Various

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

Dimensions and weight 102Mi fixed bench

Overall dimensions: length x depth x height	1'800 x 800 x 1'550 mm
Approx. net weight of the machine	360 kg
Floor load	263 kg/m²
Rated load carrying capacity of the soil	113 kg/m²
Pallet dimensions	2'100 x 1100 mm
Pallet weight	60 kg

Dimensions and weight 102Mi motorized bench

Overall dimensions: length x depth x height	1'600 x 800 x 1'550 mm
Approx. net weight of the machine	360 kg
Floor load	263 kg/m²
Rated load carrying capacity of the soil	113 kg/m²
Pallet dimensions	1'800 x 1000 mm
Pallet weight	60 kg

Dimensions and weight 102Mi cast iron

Overall dimensions: length x depth x height	1'500 x 510 x 1'550 mm
Approx. net weight of the machine	570 kg
Floor load	1'541 kg/m²
Rated load carrying capacity of the soil	218 kg/m²
Pallet dimensions	1'800 x 1'000 mm
Pallet weight	60 kg

Coolant supply (optional)

Tank capacity	23 l.
Pump performance	0.19 kW

Information on airborne noise emission

The sound pressure level has been measured at a distance of 1 meter from the machine surface and at a height of 1.6 meters above the floor.