

SC1

from \varnothing 42 mm to \varnothing 400 mm (1,65" - 15,75")
PORTABLE LINE BORING MACHINES | SUPERCOMBINATA SERIES



BE_XTRA

 **elsa**[®]
Super Xtrafactory Devices



PORTABLE LINE BORING MACHINES | SUPERCOMBINATA SERIES

SC1

The Supercombinata SC1, with its standard equipment, is suitable to perform line boring and internal and external overlay welding within a working range from Ø 42 mm to Ø 400 mm (also blind holes). It's suitable for drilling and tapping. By means of extra kits, it is suitable to perform external turning, facing of orthogonal planes and creation of circlips grooves, threading. With additional accessories, the Supercombinata can be adapted to many different needs of our customers. Available with a control panel for 230V or 110V power supply as well as in digital version.

TECHNICAL SPECIFICATIONS

DIAMETERS

Boring bar diameter	Ø 40x2200 mm
Line boring	Ø 42 - 400 mm
External turning	Extra kit
Internal welding	Ø 42 - 400 mm
External welding	Ø 42 - 400 mm
Drilling	Suitable
Tapping	Suitable
Threading	Extra kit
Facing of orthogonal planes	Extra kit

ROTATION MOTOR

AC motor	Single phase
Power at rated speed	1800 W
Gearbox	4-speed
Output torque at the bar	Up to 400 Nm with 95 rpm

FEED MOTOR

Gear motor	DC
Power at rated speed	90 W
Max Speed	11 rpm
Feed system	Electromechanical
Feed	Manual/Automatic

WELDING TECHNOLOGY

Spiral	Continuous with variable step
Welding machine	Compatible with MIG/MAG welder with EURO connector

LONGITUDINAL STROKE

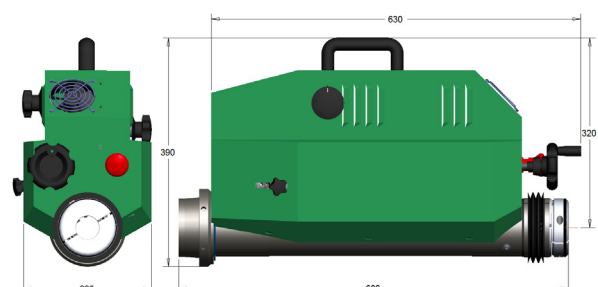
Unlimited	With 350 mm pitch
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ELECTRONIC CONTROL PANEL

Voltage	230 V (50 Hz)
Main switch	Available
Emergency switch	Available
Inverter feed	RH/LH
Inverter rotation	CW/CCW
Speed regulator	Rotation/Feed
Electrical absorption	2000 W
Control panel 110/120 V	Upon request
Digital control panel	Upon request

DIMENSIONS

Length	680 mm
Width	240 mm
Height	380 mm
Weight central unit	36 kg



STANDARD EQUIPMENT

Quantity	Description
1	Main unit
1	Boring machine stand
1	Electronic control panel
1	Control panel holder
1	Cable control panel/machine
1	Power cable
1	Boring bar Ø 40x2200 mm
1	Boring bar Ø 40x1100 mm
1	Boring bar extension 520 mm
1	Pivot
1	Tool holder for boring d. 100-400 mm
1	Special tool holder lh Ø 12x40 mm
1	Tool holder lh Ø 12x40 mm
1	Tool holder lh Ø 12x60 mm
1	Tool holder rh Ø 12x100 mm
1	Box with 10 cutting inserts
2	Main bar support
2	Additional support

12	Bracket for flanges
1	Telescopic shaft for welding
5	Diffusor extension 35 mm
1	Diffusor extension 100 mm
4	Short gas nozzle
4	Long gas nozzle
5	Short contact tip Ø 0,8 mm wire
5	Long contact tip Ø 0,8 mm wire
1	O-ring for welding shaft 100x5 mm
1	Terminal lance for external welding
1	Centring system for through holes
1	Centring system for blind holes
1	Telescopic gauge up to Ø 400 mm
1	Dial gauge
1	Dial gauge support
1	Set of wrenches
1	Screws and bolts



EXTRA KITS

BORING REDUCTION

KEP00187	Ø 22 - 44 mm (0,87" - 1,73")
KEP00188	Ø 32 - 70 mm (1,26" - 2,76")

FACING

KES00186	Ø 48 - 255 mm (1,89" - 10,04")
KES00200	Ø 56 - 400 mm (2,20" - 15,75")

INTERNAL THREADING

KFL00928	Ø 120 - 350 mm (4,72" - 13,78")
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EXTERNAL TURNING

KEL00202	Ø 100 - 200 mm - D. 200 mm (3,94" - 7,88")
KEL00203	Ø 150 - 300 mm - D. 300 mm (5,90" - 11,81")

BIG DIAMETERS

KED00180	Ø 400 - 600 mm (15,75" - 23,62")
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ACCESSORIES

AE003017	Boring bar Ø 40x3000 mm
AE000487	External joint for boring bar Ø 40 mm
AE000490	Internal joint for boring bar Ø 40 mm
AE030015	Cam system
GC37SC	Internal support d. 200-300 mm
GC36SC	Adjustable centring cones d. 60-105 mm
SG00127	Terminal lance d. 30-50 mm
COT90201	Long contact tip Ø 1,0 mm wire
COT90202	Short contact tip Ø 1,0 mm wire



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