

# SC3

from  $\varnothing$  62 mm to  $\varnothing$  800 mm (2,44" - 31,50")  
PORTABLE LINE BORING MACHINES | SUPERCOMBINATA SERIES



**BE\_XTRA**

 **elsa**<sup>®</sup>  
Super Xtrafactory Devices



# PORTABLE LINE BORING MACHINES | SUPERCOMBINATA SERIES

## SC3

The Supercombinata SC3, with its standard equipment, is suitable to perform line boring and internal and external overlay welding within a working range from Ø 62 mm to Ø 800 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 60x2200 mm
Line boring	Ø 62 - 800 mm
External turning	Kit Optional
Internal welding	Ø 42 - 800 mm
External welding	Ø 42 - 600 mm
Drilling	Optional accessories
Tapping	Optional accessories
Threading	Extra kit
Facing of orthogonal planes	Extra kit

### ROTATION MOTOR

AC motor	Single phase
Power at rated speed	2300 W
Output torque at the bar	902 Nm a 55 rpm
1° speed	max 55 rpm (420 Nm)
2° speed	max 85 rpm (235 Nm)
3° speed	max 240 rpm (85 Nm)
4° speed	max 375 rpm (55 Nm)

### 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

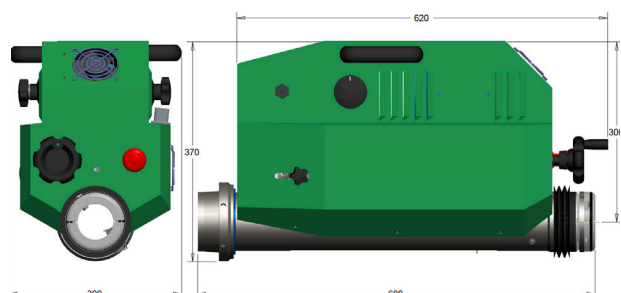
Unlimited	With 350 mm pitch
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### ELECTRONIC CONTROL PANEL

Voltage	230 V (50 Hz)
Main switch	Available
Emergency switch	Available
Inverter feed	DX/SX
Inverter rotation	CW/CCW
Speed regulator	Rotation/Feed
Electrical absorption	2300 W
Control panel 110/120 V	Upon request
Digital control panel	Upon request

### DIMENSIONS

Length	680 mm
Width	300 mm
Height	390 mm
Weight central unit	39 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 60x2200 mm
1	Boring bar extension 520 mm
2	Pivot
1	Tool holder for boring d. 120-250 mm
1	Tool holder for boring d. 250 - 800 mm
1	Tool holder lh Ø 12x50 mm
1	Tool holder lh Ø 12x60 mm
1	Special tool holder lh Ø 12x60 mm
1	Tool holder lh Ø 12x80 mm
1	Tool holder rh Ø 12x100 mm
1	Box with 10 cutting inserts
1	Adjusting plug for tool holder
2	Main bar support
2	Additional support
18	Bracket for flanges 200 mm
18	Bracket for flanges 275 mm

4	Flanges support d. 250 - 800 mm
1	Telescopic shaft for welding
1	Reduction bushing drawing torch
1	Reduction bushing locking torch
5	Diffusor extension 35 mm
4	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
1	O-ring for welding shaft 100x5 mm
1	Terminal Lance for external welding
1	Centring system for through holes d. 250-800 mm
1	Centring system for through holes
1	Centring system for blind holes
1	Telescopic gauge up to Ø 800 mm
1	Dial gauge
1	Dial gauge support
1	Set of wrenches
1	Screws and bolts



## EXTRA KITS

### BORING REDUCTION

KEP00594	Ø 22 - 44 mm (0,87" - 1,73")
KEP00593	Ø 32 - 70 mm (1,26" - 2,76")
KEP00688	Ø 42 - 160 mm (1,65" - 6,30")
KEP00687	For jobs with KES00186/KES00200

### FACING

KES00186*	Ø 48 - 255 mm (1,89" - 10,04")
KES00200*	Ø 56 - 400 mm (2,20" - 15,75")
KES00363	Ø 228 - 500 mm (8,98" - 19,68")
KES00364	Ø 376 - 800 mm (14,80" - 31,50")

\*SC2 / SC2 Compact / SC3 compatible by using KEP00687

### INTERNAL THREADING

KFL00927	Ø 120 - 350 mm (4,72" - 13,78")
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### EXTERNAL TURNING

KEL00184	Ø 60 - 120 mm - P. 150 mm (2,36" - 4,72")
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KEL00202	Ø 100 - 200 mm - P. 200 mm (3,94" - 7,87")
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KEL00203	Ø 150 - 300 mm - P. 300 mm (5,90" - 11,81")
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### BIG DIAMETERS

KED00366	Ø 800 - 1200 mm (31,50" - 47,24")
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## ACCESSORIES

AE001027	Boring bar Ø 60X1500 mm
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AE003014	Boring bar Ø 60X3000 mm
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AE030025	Boring bar Ø 60X1100 mm
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AE030026	Tool holder bar Ø 60x2200 mm with double taper
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AE003015	Tool holder bar Ø 60x3000 mm with double taper
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AE000443	Morse taper attachment 4 mm
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AE000441	External joint for boring bar Ø 60 mm
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AE000442	Internal joint for boring bar Ø 60 mm
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GC35SC	Internal support d. 200-300 mm
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GC39SC	Adjustable centring cones d. 135-225 mm
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SG00127	Terminal lance d. 30-50 mm
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COT90201	Long contact tip Ø 1,0 mm wire
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COT90202	Short contact tip Ø 1,0 mm wire
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