

## PORTABLE LINE BORING MACHINES

# SC1

from Ø 42 mm to Ø 400 mm (1,65" - 15,75")



The **Supercombinata SC1**, thanks to its standard equipment, is suitable to perform internal **line boring** and internal and external **overlay welding** within a working range from **Ø 42 mm** to **Ø 400 mm**. It's suitable for drilling and tapping. By means of **extra kits**, it is suitable to perform external line boring, 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.

## TECHNICAL SPECIFICATIONS

### DIAMETERS

Boring bar diameter:	Ø 40 x 2200 mm
In line boring:	Ø 42 – 400 mm
External line boring:	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
Output torque at the bar:	400 Nm with 95 rpm
1° speed:	max 90 rpm (185 Nm)
2° speed:	max 145 rpm (115 Nm)
3° speed:	max 300 rpm (55 Nm)
4° speed:	max 500 rpm (35 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

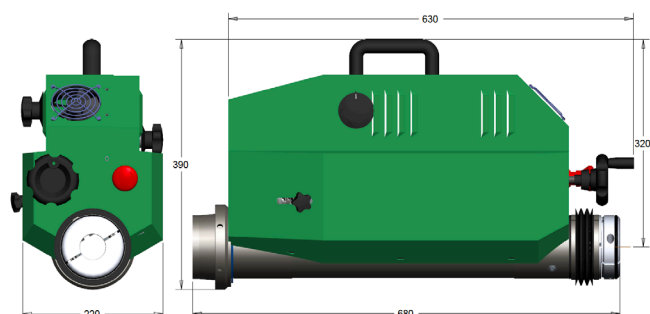
Unlimited:	With 350 mm pitch
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### ELECTRONIC CONTROL PANEL

Voltage:	220/240 V (50/60 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

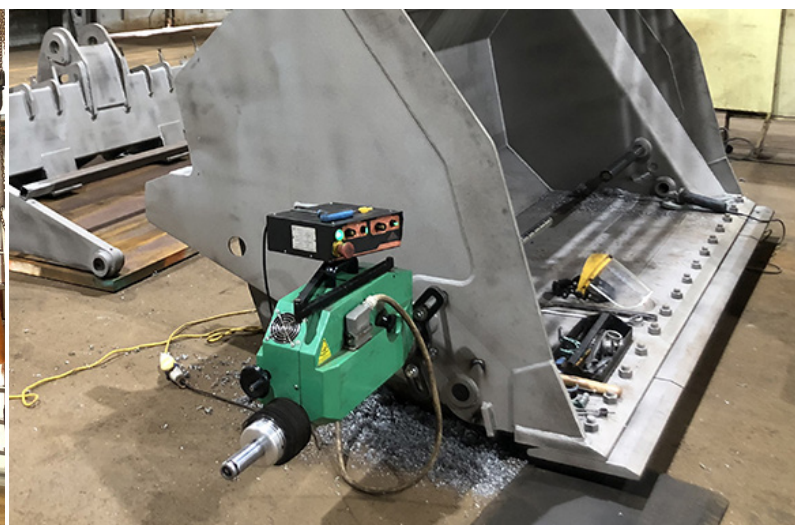
Length:	680 mm
Width:	240 mm
Height:	380 mm
Weight central unit:	36 kg



## STANDARD EQUIPMENT

QTY 1	<b>MAIN UNIT</b>
QTY 1	BORING MACHINE STAND
QTY 1	<b>ELECTRONIC CONTROL PANEL</b>
QTY 1	CONTROL PANEL HOLDER
QTY 1	CABLE CONTROL PANEL/MACHINE
QTY 1	POWER CABLE 220V
QTY 1	<b>BORING BAR Ø 40X2200 MM</b>
QTY 1	BORING BAR Ø 40X1100 MM
QTY 1	BORING BAR EXTENSION 520 MM
QTY 1	PIVOT
QTY 1	TOOL HOLDER FOR BORING D. 100-400 MM
QTY 1	SPECIAL TOOL HOLDER LH Ø 12X40 MM
QTY 1	TOOL HOLDER LH Ø 12X40 MM
QTY 1	TOOL HOLDER LH Ø 12X60 MM
QTY 1	TOOL HOLDER RH Ø 12X100 MM
QTY 1	BOX WITH 10 CUTTING INSERTS
QTY 2	<b>MAIN BAR SUPPORT</b>
QTY 2	ADDITIONAL SUPPORT

QTY 12	BRACKET FOR FLANGES
QTY 1	<b>TELESCOPIC SHAFT FOR WELDING</b>
QTY 5	DIFFUSOR EXTENSION 35 MM
QTY 1	DIFFUSOR EXTENSION 100 MM
QTY 4	SHORT GAS NOZZLE
QTY 4	LONG GAS NOZZLE
QTY 5	SHORT CONTACT TIP Ø 0,8 MM WIRE
QTY 5	LONG CONTACT TIP Ø 0,8 MM WIRE
QTY 1	O-RING FOR WELDING SHAFT 100X5 MM
QTY 1	TERMINAL LANCE FOR EXTERNAL WELDING
QTY 1	<b>CENTRING SYSTEM FOR THROUGH HOLES</b>
QTY 1	CENTRING SYSTEM FOR BLIND HOLES
QTY 1	<b>TELESCOPIC GAUGE UP TO Ø 400 MM</b>
QTY 1	DIAL GAUGE
QTY 1	DIAL GAUGE SUPPORT
QTY 1	SET OF WRENCHES
QTY 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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### OD MACHINING

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
GC375C	INTERNAL SUPPORT D. 200-300 MM
GC365C	SET OF 2 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