

# SPARKY

POWER TOOLS



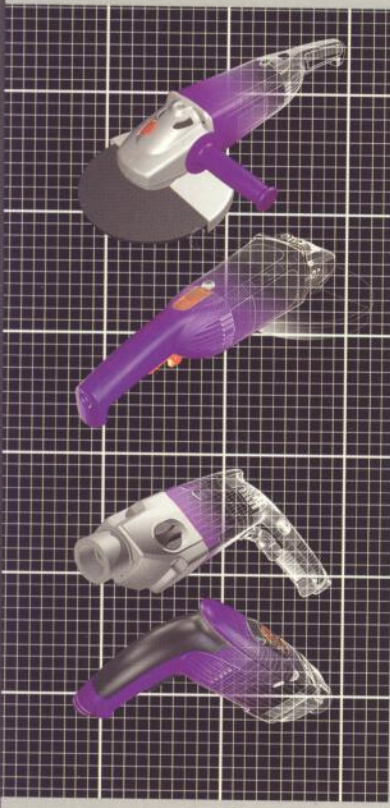
Program 2002 / 2003



As a leading European producer of power tools SPARKY invests intensively in the development of state-of-the-art new products and technology, to maintain the quality control up to the world quality standards and environmental consideration.

### SYMBOLS

-  Double Insulation
-  Electronic Speed Preselection
-  Constant Electronics Plus Electronic Speed Preselection
-  Constant Electronics Plus Electronic Trigger Speed Control
-  Electronic Speed Preselection, Constant Electronics, Torque Control
-  Electronics for Soft Start and Restriction of Starting Current
-  Right - Left Run
-  Two-Speed Gears
-  Thermal Overload Protection
-  Safety upon Mains Drop-out
-  Protective Clutch
-  Spindle Lock
-  Pendulum Action
-  Bevel Cutting
-  Connection to Vacuum Cleaner
-  Hook-and-Loop Fastening
-  Possibility for Rotating the Rear Handle at 90°
-  Auto-Stop Brushes
-  Tool Case



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### POWER TOOLS

#### SAFETY

SPARKY Power Tools comply with the safety requirements as provided in EN 50144.

#### OPERATING VOLTAGE

SPARKY Power Tools are designed for single-phase operating voltage 230 V and frequency 50 Hz.

#### DOUBLE INSULATION

SPARKY Power Tools are protectively insulated according to the requirements of EN 50144 and are marked accordingly with the double square safety mark. Double insulation provides electric shock protection through two separate levels of insulation - the non-conducting housing material and a second level of insulation for all internal electric components. Double insulated Power Tools do not require earthing.

#### RADIO INTERFERENCE

SPARKY Power Tools are radio suppressed under Directive 89/336/EEC and European Standard EN 55014.

#### CERTIFICATES

SPARKY Power Tools are certified by TÜV Rheinland, Cologne/Germany for conformity with the provisions of the regulations 73/23/ EEC, 98/37/EC, 89/336/ EEC of the Council of European Community.

#### OPERATING INSTRUCTIONS

Each SPARKY Power Tool is supplied with multi-lingual Operating and Safety Instructions. Please read, understand, and follow the instructions for your safety, best care and performance.

#### EXTENSION CORD CHART

SPARKY Power Tools are designed to operate efficiently to a 5% voltage drop. Choose the correct size, depending on cord length and rated current, indicated on the name plate. If in doubt, use the next heavier cord. Improper selection of extension cord will cause a voltage drop, resulting in loss of power and overheating.

Recommended minimum extension cords size (mm<sup>2</sup>), based on limiting the line voltage drop to 5%:

Name Plate Amperes	Extension Cord Length, m				
	10	20	25	30	40
2,0-5,0	1,0	1,0	1,0	1,0	1,5
5,1-6,3	1,0	1,0	1,0	1,5	2,5
6,4-10,0	1,0	1,5	2,5	2,5	4,0

#### DISCLAIMER

We reserve the right to make changes or improvements to our products without incurring an additional obligation. This includes any obligation to make corresponding changes or improvements in products previously manufactured or sold.



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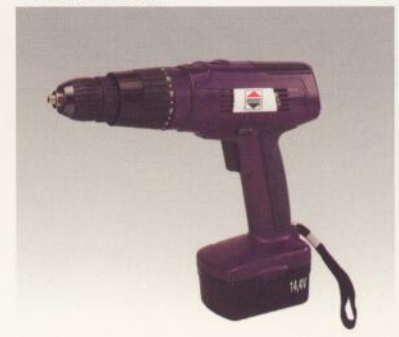
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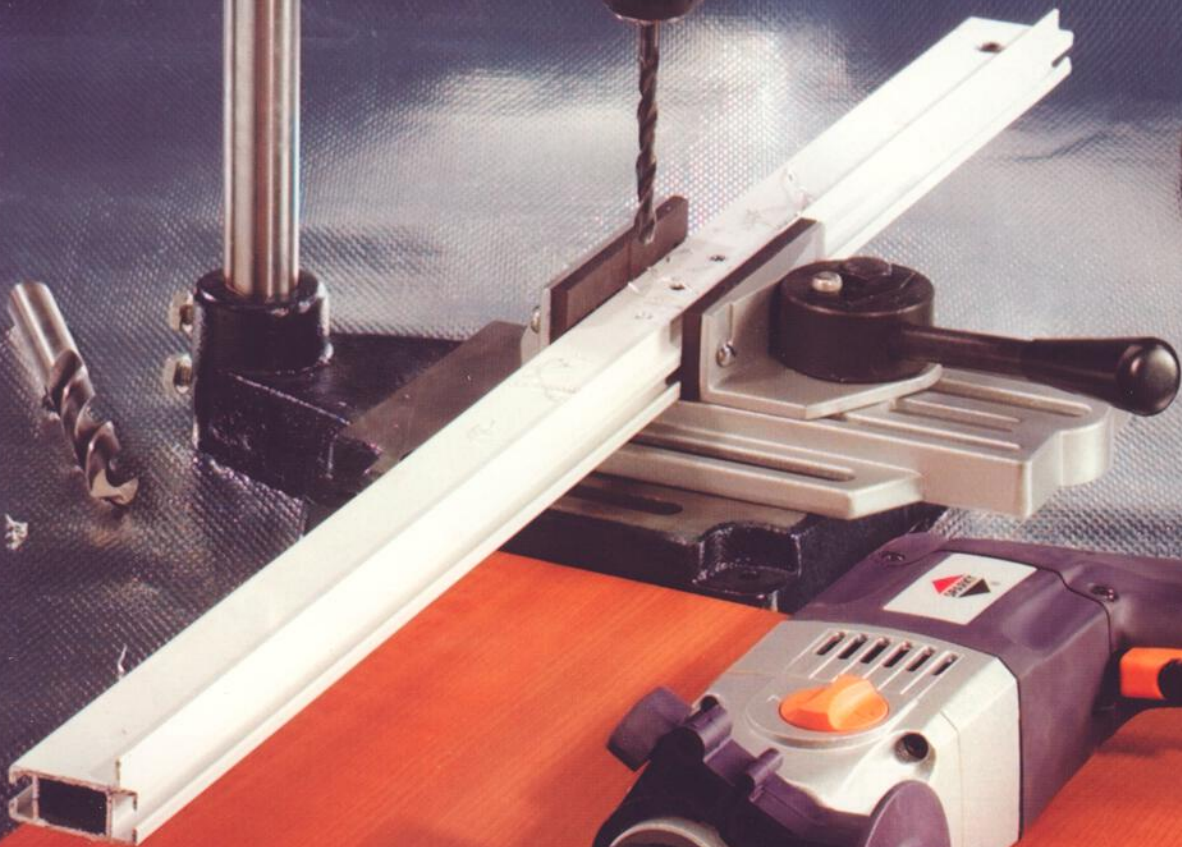


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**POWER  
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## IMPACT DRILLS

### BU 101



- Lock-on button
- ON/OFF impact mode switch
- Double insulated



### BUR 102E



- Electronic speed preselection
- Trigger speed control switch
- Lock-on button
- Right - left run
- ON/OFF impact mode switch
- Double insulated



### BUR 150E



- Electronic speed preselection
- Trigger speed control switch
- Lock-on button
- Right - left run
- Convenient bits storage
- ON/OFF impact mode switch
- Auto-stop brushes
- Double insulated



### BUR 150CET



- Torque control
- Electronic speed preselection
- Constant electronics for automatically maintaining selected rotation speed regardless of loading
- Trigger speed control switch
- Lock-on button
- Right - left run
- ON/OFF impact mode switch
- LED signal when overloading
- Auto-stop brushes
- Double insulated



SPECIFICATIONS		BU 101	BUR 102E	BUR 150E	BUR 150CET
Capacity:					
- Concrete	mm	13	13	15	15
- Steel	mm	13	13	13	13
- Non-ferrous metals	mm	16	16	16	16
- Wood	mm	20	20	25	25
No load rpm	min <sup>-1</sup>	2800	0-3000	0-2800	500-2500
No load impact rate	min <sup>-1</sup>	42000	45000	42000	37500
Torque control	N.m	-	-	-	0,5 - 3,7
Spindle thread	UNF	1/2"-20	1/2"-20	1/2"-20	1/2"-20
Chuck capacity	mm	1,5-13	1,5-13	1,5-13	1,5-13
Journal diameter	mm	43	43	43	43
Wood screw, max.	mm	-	Ø5, L=80	Ø6, L=100	Ø6, L=100
Weight	kg	1,3	1,3	1,5	1,5
Power input	W	500	500	600	600
Models include		Chuck with key, auxiliary handle, depth gauge.		Chuck with key, auxiliary handle, depth gauge. OPTION: Keyless chuck.	

## 2-SPEED IMPACT DRILLS

### BU2 160



### BU2 160M



- Lock-on button
- Synchronised two-speed gears
- ON/OFF impact mode switch
- Metal gear case
- Auto-stop brushes
- Double insulated

### BUR2 160E



### BUR2 160ME



- Electronic speed preselection
- Trigger speed control switch
- Lock-on button
- Right - left run
- Synchronised two-speed gears
- ON/OFF impact mode switch
- Metal gear case
- Auto-stop brushes
- Double insulated

### BUR2 200E

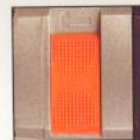
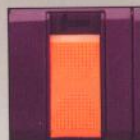


- Electronic speed preselection
- Trigger speed control switch
- Lock-on button
- Right - left run
- Synchronised two-speed gears
- ON/OFF impact mode switch
- Plastic covered metal gear case
- Auto-stop brushes
- Double insulated

### BUR2 201E



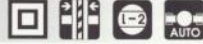
- Electronic speed preselection
- Trigger speed control switch
- Lock-on button
- Right - left run
- Synchronised two-speed gears
- ON/OFF impact mode switch
- Magnesium alloy gear case
- Auto-stop brushes
- Double insulated



SPECIFICATIONS		BU2 160E	BU2 160/BU2 160M	BU2 160ME	BU2 200E/BUR2 201E
Capacity:					
- Concrete	mm	16 / 10	16 / 10	16 / 10	20/13
- Steel	mm	13 / 8	13 / 8	13 / 8	13/8
- Non-ferrous metals	mm	16 / 10	16 / 10	16 / 10	20/13
- Wood	mm	30 / 20	30 / 20	30 / 20	40/25
No load rpm	min <sup>-1</sup>	0-1200/0-3500	1200 / 3200	0-1200/0-3500	0-1200/0-3500
No load impact rate	min <sup>-1</sup>	63000	57600	63000	63000
Spindle thread	UNF	1/2"-20	1/2"-20	1/2"-20	1/2"-20
Chuck capacity	mm	1,5-13	1,5-13	1,5-13	1,5-13
Journal diameter	mm	43	43	43	43
Wood screw, max.	mm	∅6, L=100	∅6, L=100	∅6, L=100	∅6, L=100
Weight	kg	1,8	1,8	1,8	2,4
Power input	W	500	550 / 650	650	720
Models include		Chuck with key, auxiliary handle, depth gauge. OPTION: Keyless chuck.			Keyless chuck, auxiliary handle, depth gauge.

## 2-SPEED IMPACT DRILLS

### BU2 350



- Lock-on button
- Synchronised two-speed gears
- Protective clutch
- ON/OFF impact mode switch
- Magnesium alloy gear case
- Auto-stop brushes
- Double insulated



### BUR2 350E



- Electronic speed preselection
- Trigger speed control switch
- Lock-on button
- Synchronised two-speed gears
- Right - left run
- Protective clutch
- ON/OFF impact mode switch
- Magnesium alloy gear case
- Auto-stop brushes
- Double insulated



SPECIFICATIONS		BU2 350	BUR2 350E
Capacity:			
- Concrete	mm	35 / 16	35 / 16
- Steel	mm	16 / 10	16 / 10
- Non-ferrous metals	mm	20 / 13	20 / 13
- Wood	mm	45 / 20	45 / 20
No load rpm	min <sup>-1</sup>	800/2000	0-800/0-2000
No load impact rate	min <sup>-1</sup>	36000	36000
Torque	N.m	10,7 / 4,4	10,7 / 4,4
Spindle thread	UNF	1/2"-20	1/2"-20
Chuck capacity	mm	3-16	3-16
Journal diameter	mm	43	43
Wood screw, max.	mm	-	Ø8, L=100
Weight	kg	2,7	2,7
Power input	W	1010	1010

Models include Chuck with key, auxiliary handle, depth gauge.

**SPARKY**

## 2-SPEED IMPACT DRILLS

### BUR2 350CET



- Torque control
- Electronic speed preselection
- Constant electronics for automatically maintaining selected rotation speed regardless of loading
- Trigger speed control switch
- Lock-on button
- Synchronised two-speed gears
- Right - left run
- Protective clutch
- ON/OFF impact mode switch
- Magnesium alloy gear case
- Can be fitted with standard mixing attachments up to Ø140 for mixing paints, emulsion, adhesives, mortar, etc.
- Ergonomic auxiliary handle for stable guiding the tool at operating with mixing attachments
- LED indicators
- Auto-stop brushes
- Double insulated



### MIXING ATTACHMENTS

#### Mixing attachment with M14 outer thread

- For mixing paints, emulsion, adhesives, mortar, etc.

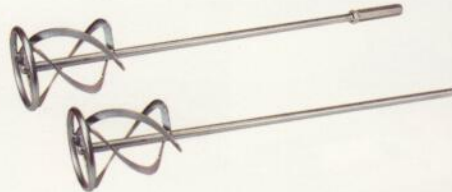
Ø120, L=600 mm;  $Q_{max} = 20$  kg

Ø140, L=600 mm;  $Q_{max} = 25$  kg

#### Mixing attachment with hexagon S12

- For mixing paints, emulsion, adhesives, mortar, etc.

Ø120, L=600 mm;  $Q_{max} = 20$  kg



### ADAPTERS AVAILABLE FOR MIXING ATTACHMENTS WITH M14

- With internal thread for spindle 1/2"-20 UNF:  
55 mm

- With internal thread for spindle 5/8"-16 UN:  
55 mm



### SPECIFICATIONS

### BUR2 350CET

SPECIFICATIONS		BUR2 350CET
Capacity:		
- Concrete	mm	35 / 16
- Steel	mm	16 / 10
- Non-ferrous metals	mm	20 / 13
- Wood	mm	45 / 20
No load rpm	min <sup>-1</sup>	250-800/625-2000
No load impact rate	min <sup>-1</sup>	36000
Torque	N.m	10,7 / 4,4
Spindle thread	UNF	1/2"-20
Chuck capacity	mm	3-16
Journal diameter	mm	43
Wood screw, max.	mm	Ø8, L=100
Weight	kg	2,7
Power input	W	1010

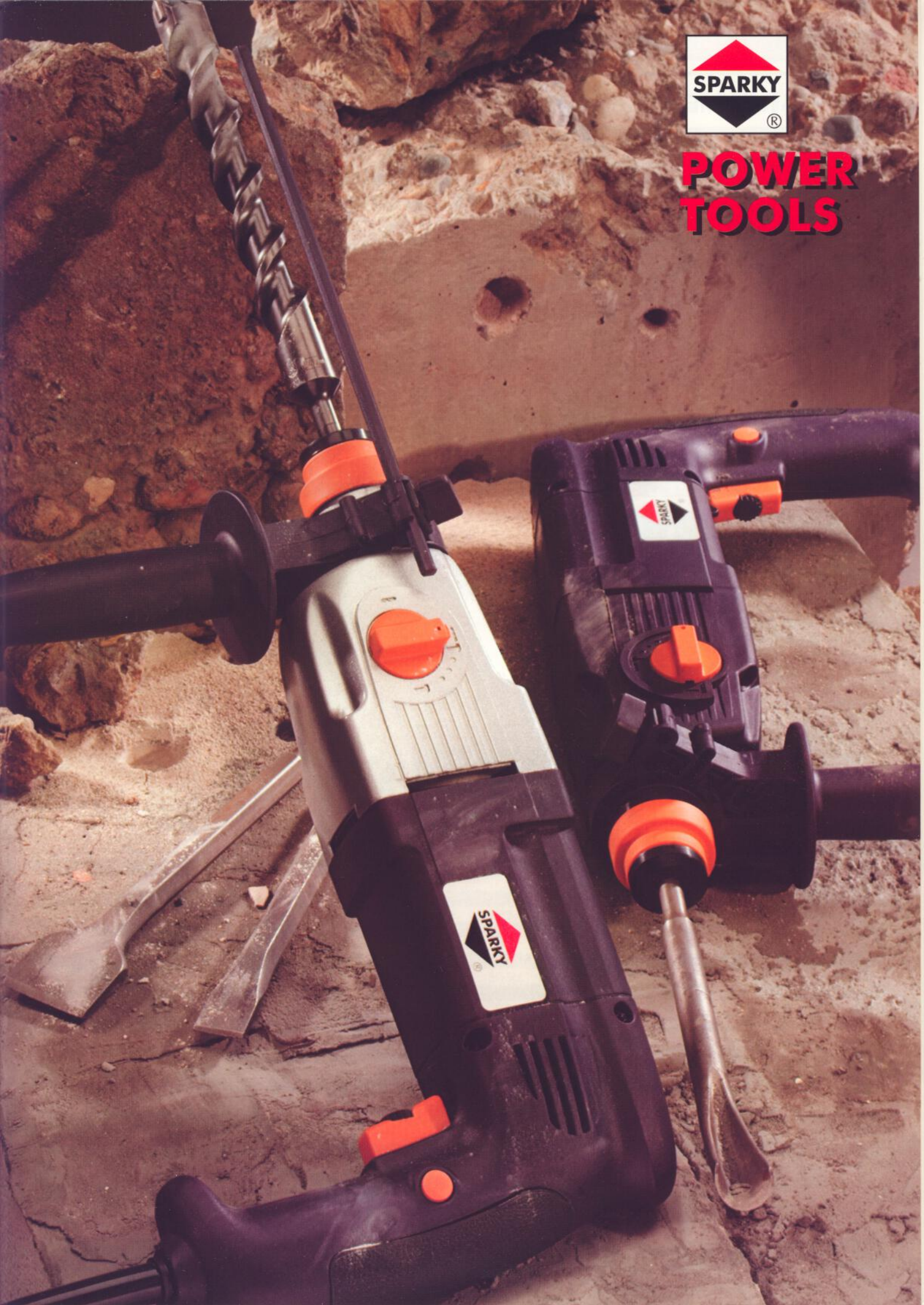
Model includes

Chuck with key, auxiliary handle, depth gauge.





**POWER  
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## ROTARY HAMMERS

### BPR 200E



### BPR 200CE



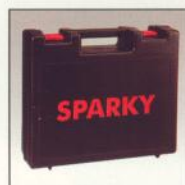
- Vacuum-compression group
- Electronic speed preselection (BPR 200E)
- Constant electronics with tacho- feedback for automatically maintaining high rotation speed (BPR 200CE)
- Trigger speed control switch
- Lock-on button
- Right - left run
- ON/OFF hammer mode switch
- Protective clutch
- Glass-reinforced polyamide gear case
- Auto-stop brushes
- Double insulated



### BPR 240E



- Features 3 mode settings: drilling, hammer drilling and chiselling
- High efficiency in concrete
- Vacuum-compression group
- Electronic speed preselection
- Trigger speed control switch
- Lock-on button
- Right - left run
- ON/OFF hammer mode switch
- Protective clutch
- Glass-reinforced polyamide gear case
- Ergonomic softgrip handle with grain-textured surface insert for one-hand operation
- Auto-stop brushes
- Double insulated



SPECIFICATIONS		BPR 200E	BPR 200CE	BPR 240E
Capacity:				
- Concrete	mm	20	20	24
- Steel	mm	13	13	13
- Non-ferrous metals	mm	20	20	24
- Wood	mm	30	30	30
Core cutter in masonry up to	mm	50	50	65
No load rpm	min <sup>-1</sup>	0-1200	0-900	0-1300
Rated rpm	min <sup>-1</sup>	950	900	850
No load impact rate	min <sup>-1</sup>	5520	4140	6200
Impact rate under load	min <sup>-1</sup>	3680	4140	4000
Impact energy	J	1,3	1,8	2,3
Torque	N.m	1,6	2,05	3,2
Drilling efficiency (Ø8) in medium density concrete	mm/min	473	528	554
	cm <sup>3</sup> /min	23,8	26,5	27,8
Drill bit connection		SDS-PLUS	SDS-PLUS	SDS-PLUS
Chuck capacity	mm	1,5-13	1,5-13	1,5-13
Journal diameter	mm	43	43	43
Weight	kg	2,3	2,3	2,5
Power input	W	450	500	650
Models include		Adapter, auxiliary handle, depth gauge.	Tool case, chuck with key, adapter, auxiliary handle, depth gauge.	

# ROTARY HAMMERS

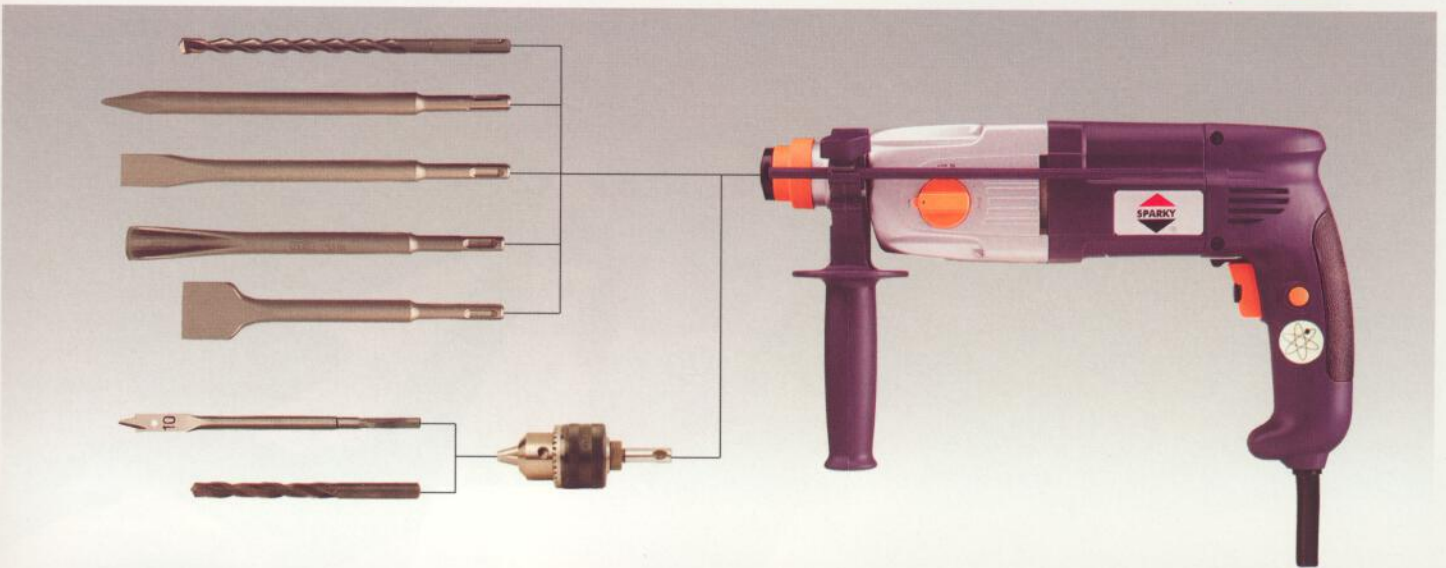
## BPR 241E



## BPR 241CE



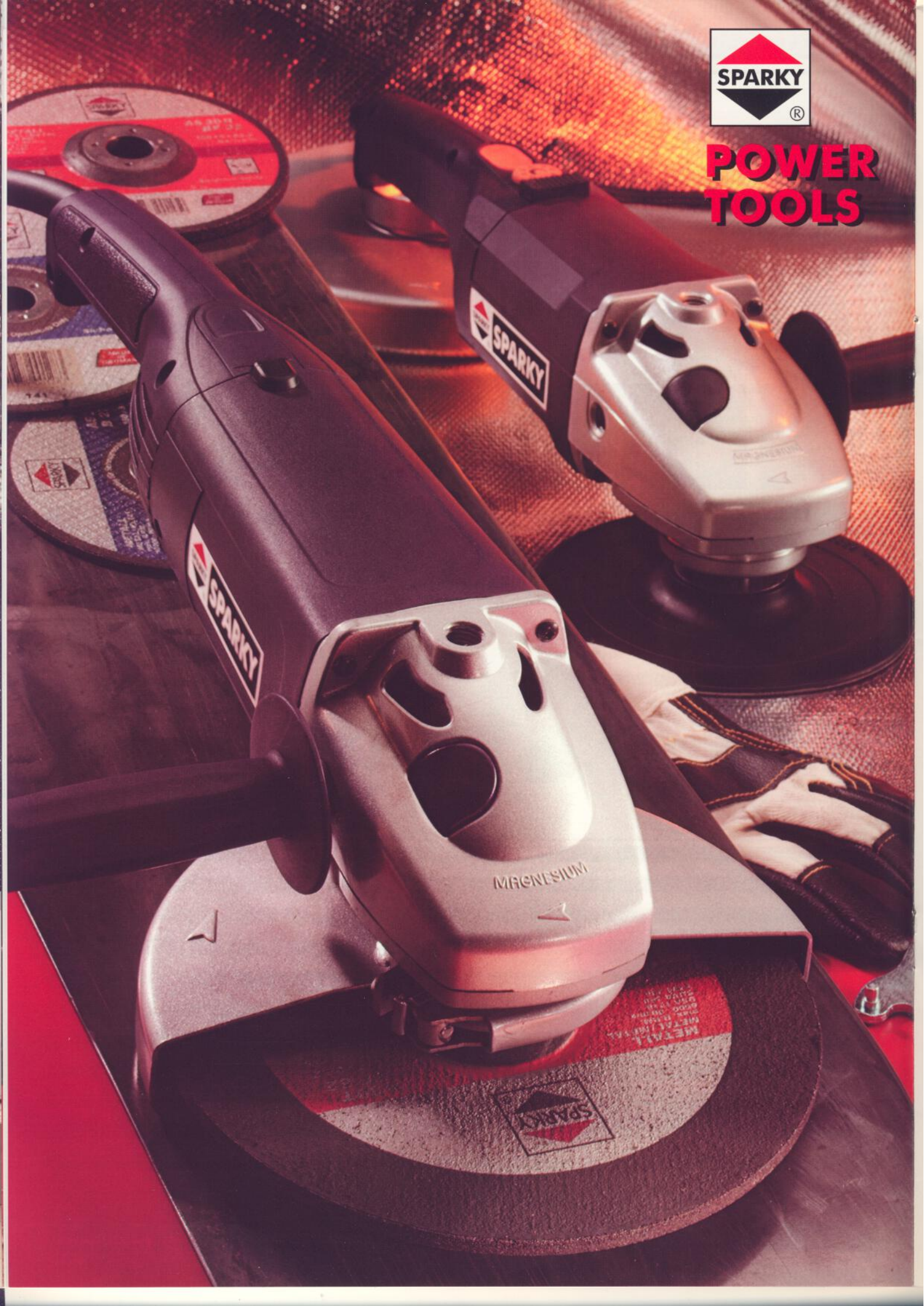
- Features 3 mode settings: drilling, hammer drilling and chiselling
- High efficiency in concrete
- Vacuum-compression group
- Electronic speed preselection (BPR 241E)
- Constant electronics with tacho- feedback for automatically maintaining high rotation speed (BPR 241CE)
- Trigger speed control switch
- Lock-on button
- Right - left run
- ON/OFF hammer mode switch
- Protective clutch
- Magnesium alloy gear case
- Ergonomic softgrip handle with grain-textured surface insert for one-hand operation
- Auto-stop brushes
- Double insulated



SPECIFICATIONS		BPR 241E	BPR 241CE
Capacity:			
- Concrete	mm	24	24
- Steel	mm	13	13
- Non-ferrous metals	mm	24	24
- Wood	mm	30	30
Core cutter in masonry up to	mm	65	65
No load rpm	min <sup>-1</sup>	0-1300	0-960
Rated rpm	min <sup>-1</sup>	900	940
No load impact rate	min <sup>-1</sup>	6200	4370
Impact rate under load	min <sup>-1</sup>	4100	4280
Impact energy	J	2,5	2,6
Torque	N.m	3,2	3,2
Drilling efficiency (Ø8) in medium density concrete	mm/min	674	781
	cm <sup>3</sup> /min	33,8	39,23
Drill bit connection		SDS-PLUS	SDS-PLUS
Chuck capacity	mm	1,5-13	1,5-13
Journal diameter	mm	43	43
Weight	kg	2,5	2,7
Power input	W	710	710
Models include		Tool case, chuck with key, adapter, auxiliary handle, depth gauge.	



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# ANGLE GRINDERS

## M 650



## M 720



- Spindle lock button for convenient wheel replacement
- Flat magnesium alloy gear case for operation in confined areas
- Bilateral connection of auxiliary handle
- Lock-on rocker switch
- Auto-stop brushes
- Double insulated

## M 850



- Spindle lock button for convenient wheel replacement
- Flat magnesium alloy gear case for operation in confined areas
- Bilateral connection of auxiliary handle
- Lock-on rocker switch
- Auto-stop brushes
- Double insulated

## M 720E



## M 850E

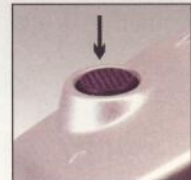
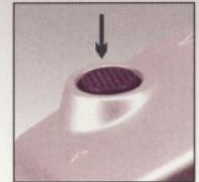


- Electronic speed preselection
- Spindle lock button for convenient wheel replacement
- Flat magnesium alloy gear case for operation in confined areas
- Bilateral connection of auxiliary handle
- Lock-on rocker switch
- Auto-stop brushes
- Double insulated

## MB 850CE



- Soft start electronics, restriction of the starting current and overload protection
- Constant electronics for automatically maintaining high rotation speed regardless of loading
- Electronic speed preselection
- Spindle lock button for convenient wheel replacement
- Flat magnesium alloy gear case for operation in confined areas
- Bilateral connection of auxiliary handle
- Lock-on rocker switch
- Auto-stop brushes
- Double insulated



SPECIFICATIONS		M 650	M 720	M 720E	M 850	M 850E	MB 850CE
Wheel diameter / thickness	mm	115 / 6	125* / 6	125* / 6	125 / 6	125 / 6	125 / 6
No load speed	min <sup>-1</sup>	10000	10000	2800-10000	11000	2800-11000	3000-9500
Spindle thread		M14	M14	M14	M14	M14	M14
Weight	kg	1,6	1,6	1,6	1,6	1,6	1,6
Power input	W	650	720	720	850	850	850
Models include		Wheel guard, auxiliary handle, support washer, lock nut, lock nut wrench.					

OPTION: Quick-grip wheel guard.  
\* OPTION: Ø115

# ANGLE GRINDERS

AVAILABLE JULY 2002

## M 910



## M 1020



- Spindle lock button for convenient wheel replacement
- Flat magnesium alloy gear case for operation in confined areas
- Bilateral connection of auxiliary handle
- Lock-on rocker switch
- Auto-stop brushes
- Double insulated



## M 910E



## M 1020E



- Electronic speed preselection
- Spindle lock button for convenient wheel replacement
- Flat magnesium alloy gear case for operation in confined areas
- Bilateral connection of auxiliary handle
- Lock-on rocker switch
- Auto-stop brushes
- Double insulated



## MB 1200CE



- Soft start electronics, restriction of the starting current and overload protection
- Constant electronics for automatically maintaining high rotation speed regardless of loading
- Electronic speed preselection
- Spindle lock button for convenient wheel replacement
- Optimum ratio power/weight
- Flat magnesium alloy gear case for operation in confined areas
- Bilateral connection of auxiliary handle
- Lock-on rocker switch
- Auto-stop brushes
- Double insulated

### SPECIFICATIONS

		M 910	M 910E	M 1020	M 1020E	MB 1200CE
Wheel diameter / thickness	mm	125 / 6	125 / 6	125 / 6	125 / 6	125 / 6
No load speed	min <sup>-1</sup>	10000	2800-10000	10000	2800-10000	3000-9500
Spindle thread		M14	M14	M14	M14	M14
Weight	kg	1,7	1,7	1,7	1,7	1,7
Power input	W	910	910	1020	1020	1200
Models include		Wheel guard, auxiliary handle, support washer, lock nut, lock nut wrench.				
		OPTION: Quick-grip wheel guard.				

# ANGLE GRINDERS

## M 902



## M 902A



- Spindle lock button for convenient wheel replacement
- Multifunction switch, ensuring prevention of accidental switching on, lock-on function and switching off
- Improved ventilation
- Magnesium alloy gear case
- Bilateral connection of auxiliary handle
- Ergonomic design
- Auto-stop brushes
- Double insulated



## M 1200



## M 1200A



- Spindle lock button for convenient wheel replacement
- Multifunction switch, ensuring prevention of accidental switching on, lock-on function and switching off
- Improved ventilation
- Magnesium alloy gear case
- Bilateral connection of auxiliary handle
- Ergonomic design
- Auto-stop brushes
- Double insulated



SPECIFICATIONS		M 902	M 902A	M 1200	M 1200A
Wheel diameter / thickness	mm	150 / 6	125 / 6	150 / 6	125 / 6
No load speed	min <sup>-1</sup>	9000	9000	9500	9500
Spindle thread		M14	M14	M14	M14
Weight	kg	2,5	2,5	2,5	2,5
Power input	W	900	900	1200	1200
Models include		Wheel guard, auxiliary handle, support washer, lock nut, lock nut wrench.			
		OPTION: Quick-grip wheel guard.			

# ANGLE GRINDERS

## M 2001



## MA 2001



- Spindle lock button for convenient wheel replacement
- Patented device for protecting the gear upon pressing the spindle lock at rotating wheel
- Safety button to avoid accidental switching on
- Flat magnesium alloy gear case for operation in confined areas
- Bilateral connection of auxiliary handle
- Auto-stop brushes
- Double insulated



M 2001  
MB 2001

## MB 2001



## MBA 2001



- Soft start electronics, restriction of the starting current and overload protection
- Spindle lock button for convenient wheel replacement
- Patented device for protecting the gear upon pressing the spindle lock at rotating wheel
- Safety button to avoid accidental switching on
- Flat magnesium alloy gear case for operation in confined areas
- Bilateral connection of auxiliary handle
- Auto-stop brushes
- Double insulated



MA 2001  
MBA 2001

SPECIFICATIONS		M 2001 / MB 2001	MA 2001 / MBA 2001
Wheel diameter / thickness	mm	180 / 10	230 / 8
No load speed	min <sup>-1</sup>	8500	6600
Spindle thread		M14	M14
Weight	kg	4,4	4,4
Power input	W	2000	2000
Models include		Wheel guard, auxiliary handle, support washer, lock nut, lock nut wrench.	
		OPTION: Quick-grip wheel guard.	



## ANGLE GRINDERS

### M 2002 /S



### MA 2002 /S



- Spindle lock button for convenient wheel replacement
- Multifunction switch, ensuring prevention of accidental switching on, lock-on function and switching off
- Improved ventilation
- Magnesium alloy gear case
- Vibro-absorbing system to reduce fatigue
- 3-position side handle provides L, R and Top control
- Ergonomic design
- Auto-stop brushes
- Double insulated



M 2002  
MB 2002



M 2002 S  
MB 2002 S

### MB 2002



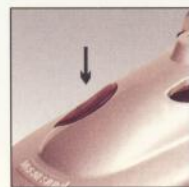
### MBA 2002 /S



- Soft start electronics and restriction of the starting current
- Spindle lock button for convenient wheel replacement
- Multifunction switch, ensuring prevention of accidental switching on, lock-on function and switching off
- Improved ventilation
- Magnesium alloy gear case
- Vibro-absorbing system to reduce fatigue
- 3-position side handle provides L, R and Top control
- Ergonomic design
- Auto-stop brushes
- Double insulated



MA 2002  
MBA 2002



MA 2002 S  
MBA 2002 S

#### SPECIFICATIONS

		M 2002 / MB 2002 /S	MA 2002 / MBA 2002 /S
Wheel diameter / thickness	mm	180/10	230 / 8
No load speed	min <sup>-1</sup>	8500	6600
Spindle thread		M14	M14
Weight	kg	4,3	4,3
Power input	W	2000	2000
Models include		Wheel guard, auxiliary handle, support washer, lock nut, lock nut wrench.	

OPTION: Quick-grip wheel guard.  
OPTION: Sintered gear (MA/MBA).

## ANGLE GRINDERS

### M 2300



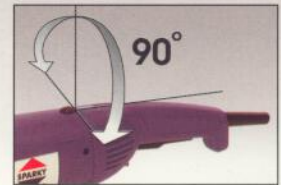
### MA 2300



- Spindle lock button for convenient wheel replacement
- Multifunction switch, ensuring prevention of accidental switching on, lock-on function and switching off
- Improved ventilation
- Magnesium alloy gear case
- Possibility for rotating the rear handle at 90°
- 3-position side handle provides L, R and Top control
- Ergonomic design
- Auto-stop brushes
- Double insulated



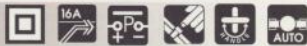
M 2300  
MB 2300  
MB 2300P



### MB 2300



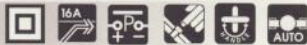
### MB 2300P



### MBA 2300



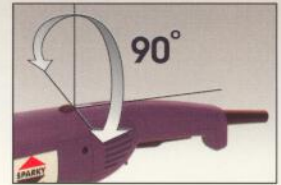
### MBA 2300P



- Soft start electronics and restriction of the starting current
- Safety upon mains drop-out (for models with index P)
- Spindle lock button for convenient wheel replacement
- Multifunction switch, ensuring prevention of accidental switching on, lock-on function and switching off
- Improved ventilation
- Magnesium alloy gear case
- Possibility for rotating the rear handle at 90°
- 3-position side handle provides L, R and Top control
- Ergonomic design
- Auto-stop brushes
- Double insulated



MA 2300  
MBA 2300  
MBA 2300P



### SPECIFICATIONS

		M 2300/MB 2300/MB 2300P	MA 2300/MBA 2300/MBA 2300P
Wheel diameter / thickness	mm	180 / 10	230 / 10
No load speed	min <sup>-1</sup>	8500	6600
Spindle thread		M14	M14
Weight	kg	4,5	4,5
Power input	W	2300	2300
Models include		Wheel guard, auxiliary handle, support washer, lock nut, lock nut wrench.	
		OPTION: Quick-grip wheel guard.	

## ANGLE GRINDERS

### MB 2500C



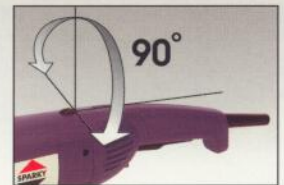
### MBA 2500C



- Constant electronics for automatically maintaining high rotation speed regardless of loading
- Soft start electronics and restriction of the starting current
- Spindle lock button for convenient wheel replacement
- Multifunction switch, ensuring prevention of accidental switching on, lock-on function and switching off
- Improved ventilation
- Magnesium alloy gear case
- Possibility for rotating the rear handle at 90°
- 3-position side handle provides L, R and Top control
- Ergonomic design
- Auto-stop brushes
- Double insulated



MB 2500C  
MB 2500CP



### MB 2500CP



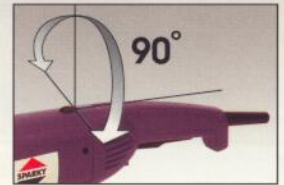
### MBA 2500CP



- Constant electronics for automatically maintaining high rotation speed regardless of loading
- Soft start electronics and restriction of the starting current
- Safety upon mains drop-out
- Spindle lock button for convenient wheel replacement
- Multifunction switch, ensuring prevention of accidental switching on, lock-on function and switching off
- Improved ventilation
- Magnesium alloy gear case
- Possibility for rotating the rear handle at 90°
- 3-position side handle provides L, R and Top control
- Ergonomic design
- Auto-stop brushes
- Double insulated



MBA 2500C  
MBA 2500CP



SPECIFICATIONS		MB 2500C/MB 2500CP	MBA 2500C/MBA 2500CP
Wheel diameter / thickness	mm	180 / 10	230 / 10
No load speed	min <sup>-1</sup>	7400	5500
Spindle thread		M14	M14
Weight	kg	4,5	4,5
Power input	W	2500	2500
Models include		Wheel guard, auxiliary handle, support washer, lock nut, lock nut wrench.	

OPTION: Quick-grip wheel guard.

## ANGLE GRINDERS

### WS 2300 / S



### WSA 2300 / S



- Spindle lock button for convenient wheel replacement
- Safety button to avoid accidental switching on
- Flat magnesium alloy gear case for operation in confined areas
- Bilateral connection of auxiliary handle
- Auto-stop brushes
- Double insulated



### WSB 2300 / S



### WSBA 2300 / S



- Soft start electronics, restriction of the starting current and overload protection
- Spindle lock button for convenient wheel replacement
- Safety button to avoid accidental switching on
- Flat magnesium alloy gear case for operation in confined areas
- Bilateral connection of auxiliary handle
- Auto-stop brushes
- Double insulated



### SPECIFICATIONS

		WS 2300 / WSB 2300 / S	WSA 2300 / WSBA 2300 / S
Wheel diameter / thickness	mm	180 / 10	230 / 8
No load speed	min <sup>-1</sup>	8500	6600
Spindle thread		M14	M14
Weight	kg	6,0	6,1
Power input	W	2300	2300
Models include		Wheel guard, auxiliary handle, support washer, lock nut, lock nut wrench.	
		OPTION: Quick-grip wheel guard.	

## POLISHERS

### PMB 1200CE



- Soft start electronics and restriction of the starting current
- Constant electronics for automatically maintaining high rotation speed regardless of loading
- Electronic speed preselection
- Thermal overload protection for extended durability
- Spindle lock button for convenient backing pad replacement
- Multifunction switch, ensuring prevention of accidental switching on, lock-on function and switching off
- Backing pad with hook-and-loop fastening, equipped with a flange nut for direct mounting the accessory to the spindle without using tools
- Improved ventilation
- Magnesium alloy gear case
- Bilateral connection of auxiliary handle
- Ergonomic design
- Auto-stop brushes
- Double insulated



### PM 2000



### PM 2000E



- Soft start electronics and restriction of the starting current
- Electronic speed preselection (PM 2000E)
- Constant electronics for automatically maintaining high rotation speed regardless of loading (PM 2000E)
- Spindle lock button for convenient backing pad replacement
- Multifunction switch, ensuring prevention of accidental switching on, lock-on function and switching off
- Improved ventilation
- Magnesium alloy gear case
- 3-position side handle provides L, R and Top control
- Ergonomic design
- Auto-stop brushes
- Double insulated



### FK 65



- Soft start electronics, restriction of the starting current and overload protection
- Spindle lock button for convenient wheel replacement
- Safety button to avoid accidental switching on
- Smooth adjustment of cutting depth along scale
- Dust extraction
- Quick fitting wheel guard
- Auxiliary handle adjustable without tools
- Magnesium alloy gear case
- Auto-stop brushes
- Double insulated

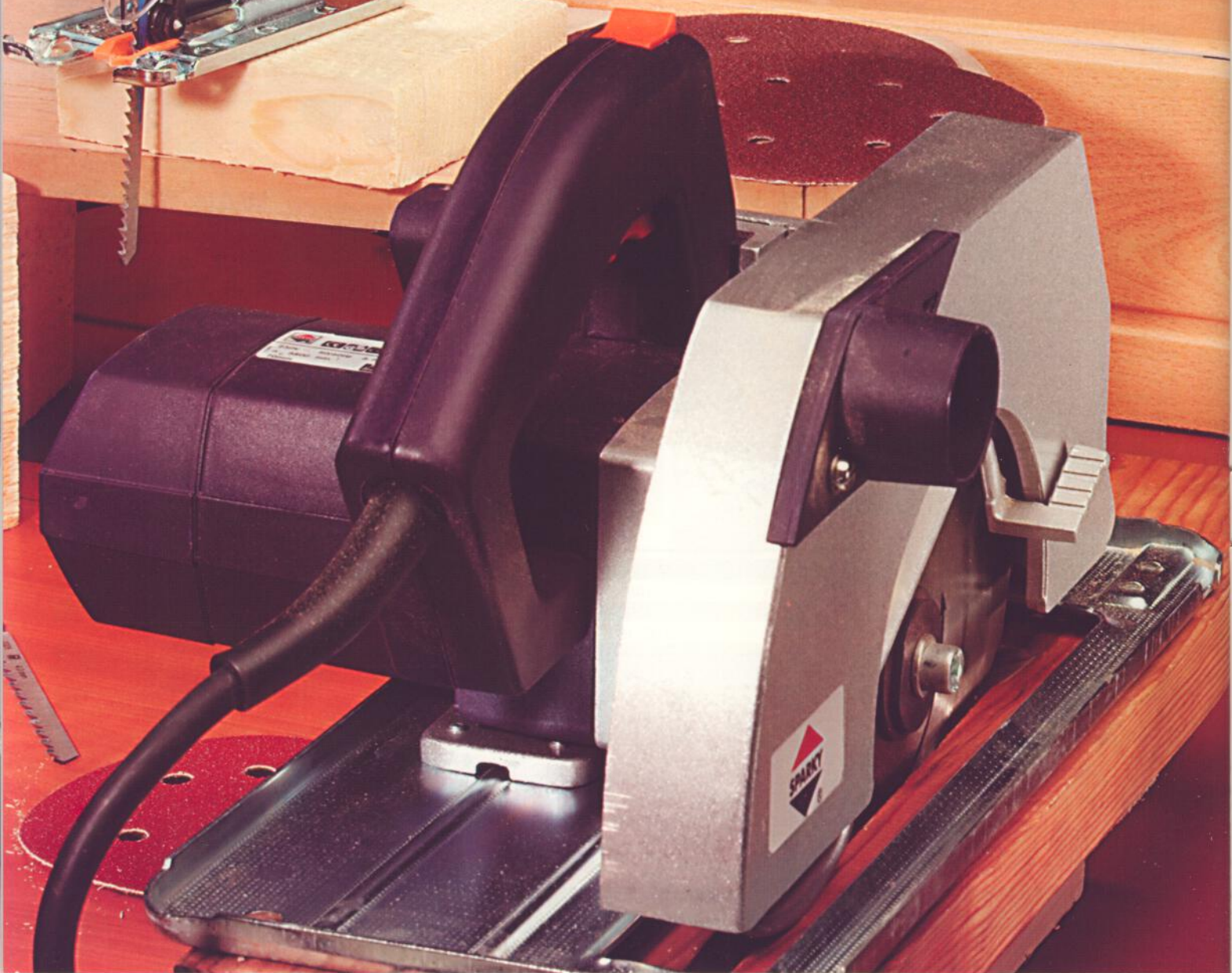


## WALL CHASER

SPECIFICATIONS		PMB 1200CE	PM 2000	PM 2000E	FK 65
Flexible backing pad	mm	148	175	175	-
Sanding disc	mm	150	180	180	-
Polishing sponge	mm	150-180	175	175	-
Wheel diameter	mm	-	-	-	230
Groove depth	mm	-	-	-	20-65
Groove width	mm	-	-	-	9-40
No load rpm	min <sup>-1</sup>	600-2800	2750	800-2750	6600
Spindle thread		M14	M14	M14	M14
Weight	kg	2.5	4.3	4.3	8.4
Power input	W	1200	2000	2000	2000
Models include		Auxiliary handle, flexible backing pad, protective cover.	Auxiliary handle, flexible backing pad, support washer, lock nut, lock nut wrench, sanding disc.	Wheel guard, auxiliary handle, support washer, lock nut, 7 thrust washers, lock nut wrench.	



# POWER TOOLS



**X 52E**



- Electronic speed preselection
- 3-position revolver gauge for presetting the cutting depth
- Motor dismounts for use as a straight grinder
- Vacuum cleaner adapter
- Auto-stop brushes
- Double insulated



**X 72CE**



- Electronic speed preselection
- Constant electronics for automatically maintaining high rotation speed regardless of loading
- 3-position revolver gauge for presetting the cutting depth
- Motor dismounts for use as a straight grinder
- Vacuum cleaner adapter
- Auto-stop brushes
- Double insulated

**STRAIGHT GRINDERS**

**MK 500E**



- Light and compact tool for one-hand operation
- Electronic speed preselection
- Possibility for stationary operation with Ø43 journal
- Auto-stop brushes
- Double insulated



MK 500E

MKL 710CE



**MKL 550E**



**MKL 710CE**



- Light and compact tool for one-hand operation
- Electronic speed preselection
- Constant electronics for automatically maintaining selected rotation speed regardless of loading (MKL 710CE)
- Magnesium alloy case
- Reduced noise and vibration level
- Possibility for stationary operation with Ø43 journal
- Auto-stop brushes
- Double insulated

**SPECIFICATIONS**

		X 52E	X 72CE	MK 500E	MKL 550E	MKL 710CE
Max. cutting stroke	mm	52	52	-	-	-
No load speed	min <sup>-1</sup>	8000-33000	10000-29000	8000-33000	10000-33000	10000-29000
Wheel diameter at 45 m/s, max.	mm	25	25	25	25	25
Collet capacity	mm	Ø6 / Ø8	Ø6 / Ø8	Ø6 / Ø8	Ø6 / Ø8	Ø6 / Ø8
Journal diameter	mm	43	43	43	43 / 38	43 / 38
Weight	kg	2,2	2,4	1,2	1,55	1,55
Power input	W	500	720	500	550	710
Models include		Collets Ø6 and Ø8, tightening nut, parallel guide, ruler, 2 wrenches, dust extraction adapter. OPTION: Collet Ø6,35.		Collets Ø6 and Ø8, nut, 2 wrenches. OPTION: Collet Ø6,35.		

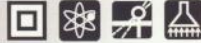
# JIG SAWS

## TH 60

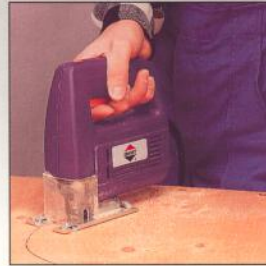
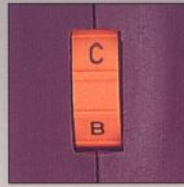


- Roller support guide improves cutting accuracy and blade life
- Adjustable base, 0°/15°/30°/45° bevel right or left
- Transparent guard
- Lock-on button
- Built-in dust extraction port for coupling to a vacuum cleaner
- Slot for wrench attachment
- Double insulated

## TH 60E



- Electronic preselection of strokes
- Roller support guide improves cutting accuracy and blade life
- Adjustable base, 0°/15°/30°/45° bevel right or left
- Transparent guard
- Lock-on button
- Built-in dust extraction port for coupling to a vacuum cleaner
- Slot for wrench attachment
- Double insulated



## FSPE 80



## FSPE 81



- Optimum efficiency for different materials by 3-position selector of pendulum action
- Electronic preselection of strokes
- Quick-grip blade system
- Roller support guide improves cutting accuracy and blade life
- Adjustable base, 0°/15°/30°/45° bevel right or left
- Magnesium alloy gear case
- Vacuum cleaner adapter
- Slot for wrench attachment
- Auto-stop brushes
- Double insulated



FSPE 81

FSPE 80

### SPECIFICATIONS

		TH 60	TH 60E	FSPE 80	FSPE 81
Cutting capacity in					
- Wood	mm	60	60	80	80
- Non-ferrous metals	mm	10	10	20	20
- Steel	mm	3	3	5	5
- Hard aluminium	mm	10	10	15	15
No load strokes	min <sup>-1</sup>	3200	500-3200	300-3200	300-3200
Bevel cutting angle	°	0-45	0-45	0-45	0-45
Stroke length	mm	19	19	26	26
Weight	kg	1,6	1,7	2,1	2,2
Power input	W	500	500	550	550
Models include		Blade and hex wrench.		Blade, hex wrench, vacuum cleaner adapter.	





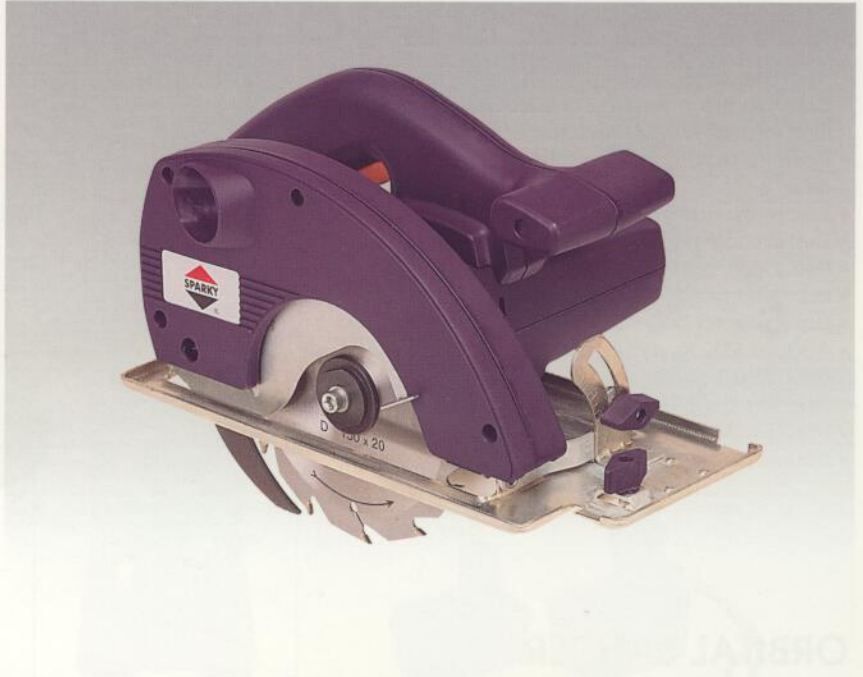
**SPARKY**

## CIRCULAR SAWS

### TK 50



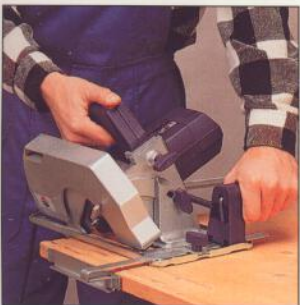
- Safety button to avoid accidental switching on
- Stageless adjustment for bevel cuts at 0°-45°
- Stageless adjustment of cutting depth
- Chip deflection nozzle
- Auto-stop brushes
- Double insulated



### TK 70



- Safety button to avoid accidental switching on
- Stageless adjustment for bevel cuts at 0°-45°
- Stageless adjustment of cutting depth
- Dust extraction adapter
- Magnesium alloy gear case
- Auto-stop brushes
- Double insulated



#### SPECIFICATIONS

		TK 50	TK 70
Cutting capacity at 90°	mm	0 - 50	0 - 70
Cutting capacity at 45°	mm	0 - 32	0 - 49
Blade diameter	mm	150	200
Blade arbor	mm	20	30
No load speed	min <sup>-1</sup>	5800	5800
Weight	kg	2,8	6,2
Power input	W	800	1400

Models include

General purpose carbide-tipped blade, parallel guide, wrench.

General purpose carbide-tipped blade, parallel guide, wrench, dust extraction adapter.

## RANDOM ORBIT SANDER

### EX 125E



- Electronic speed preselection
- Constant electronics for automatically maintaining high rotation speed regardless of loading
- Random orbit action plus rotation for fast and smooth finish
- Automatic brake system (ABS)
- Dust suction through the apertures in the disk
- Reduced vibration level
- Improved motor cooling for high reliability
- Dust collector bag
- Adapter Ø30 to vacuum cleaner for dustless operation
- Ergonomic soft-grip top
- Uses quick-change hook-and-loop accessories
- Double insulated

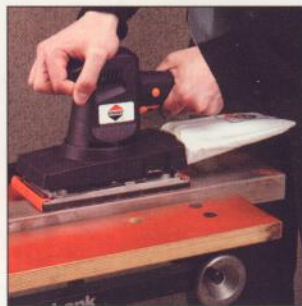
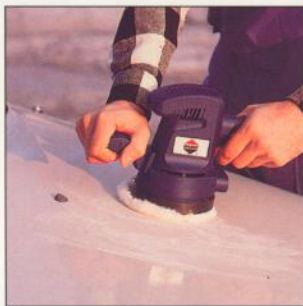
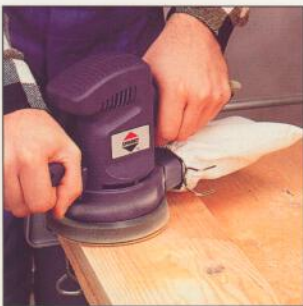


## ORBITAL SANDER

### MP 300E



- Electronic speed preselection
- Constant electronics for automatically maintaining high speed
- Trigger speed control switch
- Compound orbital and longitudinal motion for quick and smooth sanding
- Dust suction through the pad apertures
- Reduced vibration level
- Improved motor cooling for high reliability
- Dust collector bag
- Adapter Ø30 to vacuum cleaner for dustless operation
- Ergonomic soft-grip top
- Double insulated



#### SPECIFICATIONS

		EX 125E	MP 300E
Abrasive disk diameter	mm	125	-
Pad size	mm	-	114 x 225
Sandpaper size (punched)	mm	-	115 x 280
No load speed	min <sup>-1</sup>	4000-11000	4000-11000
Orbits	min <sup>-1</sup>	8000-22000	8000-22000
Eccentricity	mm	2,5	1
Weight	kg	1,9	2,5
Power input	W	300	300

Models include

Dust collector bag, adapter, auxiliary handle, 3 sanding disks.

Dust collector bag, adapter, 3 sanding sheets.

## CORDLESS DRILLS/DRIVERS

### B 10E



- Electronic speed control trigger switch
- Reversing
- 6 torque settings
- Quick-stop
- Charge indicators
- Ergonomic softgrip handle



### B 12E



- Electronic speed control trigger switch
- Reversing
- Two-speed gears
- 6 torque settings
- Quick-stop
- Charge indicators
- Ergonomic softgrip handle



### B 18E



- Electronic speed control trigger switch
- Reversing
- Two-speed gears
- 17 torque settings
- Quick-stop
- Charge indicators
- Ergonomic softgrip handle



### BUR 15E



- Electronic speed control trigger switch
- Reversing
- Two-speed gears
- ON/OFF impact mode switch
- 24 torque settings
- Quick-stop
- Charge indicators
- Ergonomic softgrip handle



#### SPECIFICATIONS

		B 10E	B 12E	B 18E	BUR 15E
Battery pack voltage / capacity	V / Ah	9,6 / 1,5	12 / 1,5	18 / 1,5	14,4 / 1,5
Charging time	h	1 - 1,5	1 - 1,5	1 - 1,5	1 - 1,5
Capacity					
- Wood	mm	25	25	32	25
- Masonry	mm	10	10	10	10
- Steel	mm	6,5	6,5	10	10
Wood screw max.	mm	M6	M6	M8	M8
No load speed	min <sup>-1</sup>	0-550	0-300 / 0-1000	0-370 / 0-1300	0-300 / 0-1100
Impact rate	min <sup>-1</sup>	-	-	-	17600
Max. torque	Nm	10	18 / 7,5	26 / 12	25 / 7
Keyless chuck	mm	10	10	13	10
Weight	kg	1,5	1,7	2,4	2,1
Models include					

2 NiCd battery packs, battery charger, keyless chuck, belt clip, plastic tool case.



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