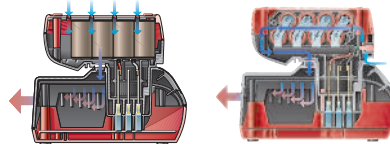
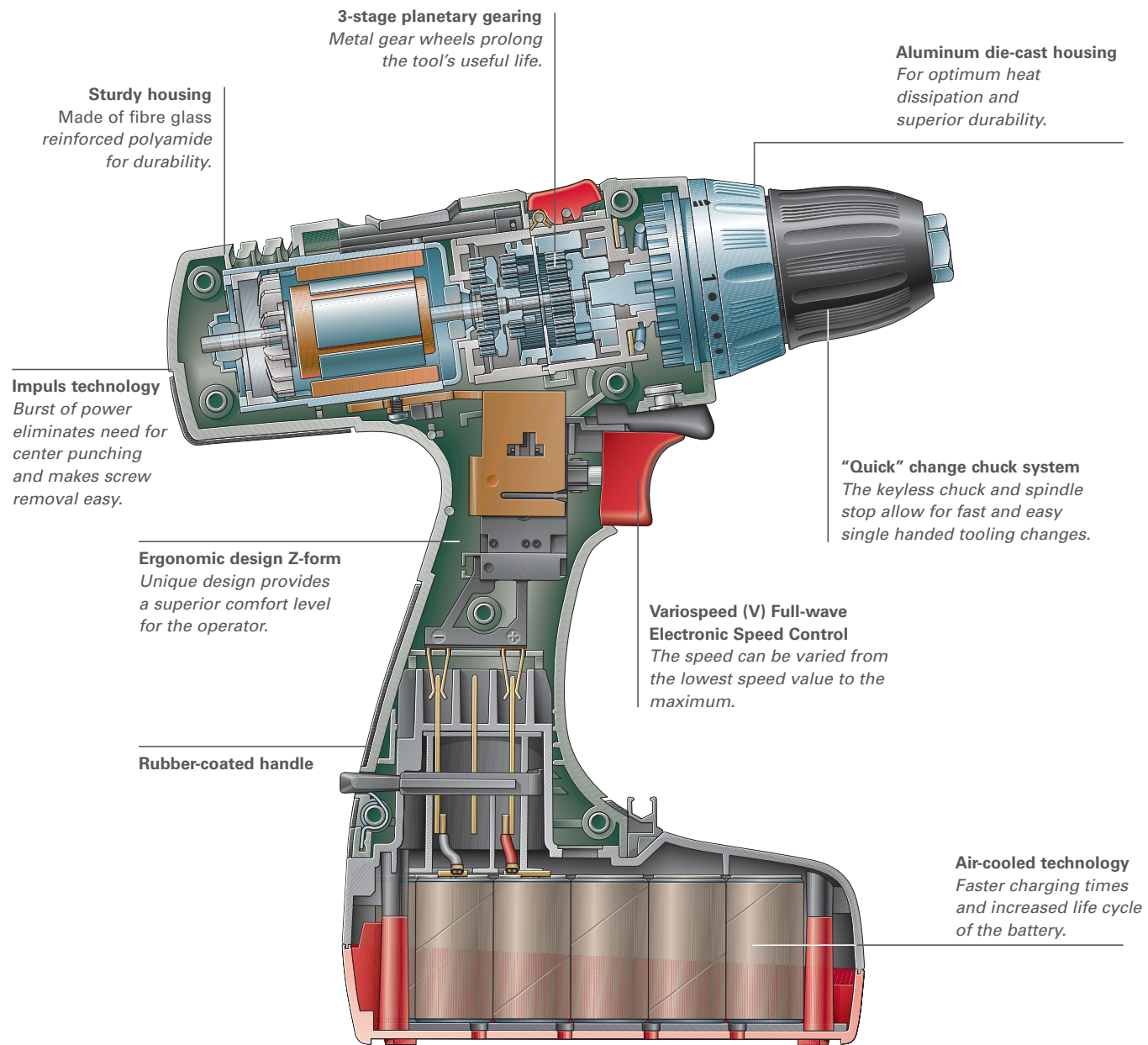


METABO CORDLESS, THE START OF SOMETHING NEW.

Metabo develops and produces cordless tools for professionals. The innovative ergonomic style of our new cordless tools guarantees safe use and reduces user fatigue. With new advances in technology like lithium-ion batteries and our air-cooled charging technology, a new era has begun for cordless tools. Li-Power batteries are up to 40% lighter and still provide up to 40% more power than previous battery packs. Our advanced air-cooled charging technology increases the life span and decreases the charging time of batteries. Metabo is ahead of the pack. **Metabo. Work. Don't play.**





Impuls technology

Enables tight screws to be easily driven or removed even if the screw heads are damaged. The Impuls feature also enables drilling of smoothed surfaces without center punching. (BSP models)

AIR-COOLED TECHNOLOGY

A built-in fan draws cool air through the battery pack housing during charging. The result is 30% faster charging times and longer battery life.

System flexibility

Cordless packs that always fit. Regardless of the charger you use.



LITHIUM-ION TECHNOLOGY

Capacity monitoring

Press the button to display the batteries capacity.

Terminal neck

Compatible with existing Metabo cordless tools within the Metabo "AIR-COOLED" family. Metabo Li-Ion batteries must only be used with Metabo Li-Ion chargers.

Electronics /Printed-circuit-board (PCB)

Integrated temperature sensor

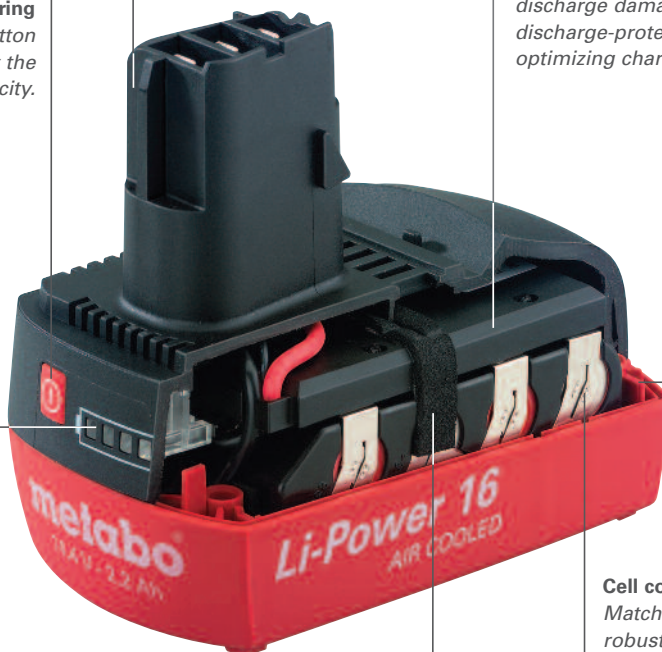
Heat is produced in the battery pack while working with the unit and while charging, this heat damages the battery pack. For this reason a temperature sensor is integrated. This sensor indicates the overheating as soon as the critical temperature of 176°F is reached.

Electronic overcharge- and discharge protection.

Overcharging damages every battery cell. The overcharge protection of Metabo stops the charging, as soon as the cells are completely charged. As a result the battery pack is better protected and disposes of the complete capacity. Deep discharge damages Li-Ion cells significantly. Therefore, the discharge-protection prevents over discharge of each cell, optimizing charging and maximizing life cycles.

Cage construction

Foam strips on the top and bottom of the cell cradle provides protection against shock. The cell pack itself has no direct contact with the outer casing providing maximum cell protection.



Multifunctional- display

Temperature monitoring and Overload protection

If the critical temperature of 176°F is reached, the display blinks (4 LED's flash) and the battery pack electronics stop working. As a result the battery pack and the machine are protected against overloading. To cool down the overheated battery pack as quickly as possible, it should be used with the "AIR-COOLED" AC30 Plus charger. In Addition the battery pack will be charged simultaneous.

Automatic warning of low capacity

When the battery is low, a blinking signal appears (1 LED flash) on the display that indicates that the battery needs to be changed soon.

Cell connector

Matched with an extremely robust design these specially designed connectors guarantee optimum conductivity and efficiency.

Corepack

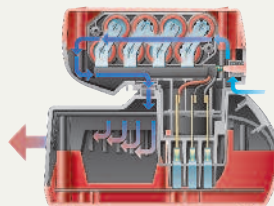
Lithium-ion cells of the absolute highest quality for maximum performance, life and efficiency.

**40% LESS BATTERY WEIGHT,
40% MORE PERFORMANCE.**



AC30 Plus Charger

With the introduction of Li-Power a new charger is necessary:
Universal charger AC30 Plus (Li-Ion / NiCad / NiMH)
The charger is reverse-compatible, that means the AC30 Plus is able to charge all three technologies (NiCad, NiMH, Li-Ion)



AIR-COOLED TECHNOLOGY

increases the life cycles of battery packs and reduces the charging time.



Tools available with the Lithium-Ion Technology:

- PowerGrip II 7.2V Screwdriver
- BSZ12 12V Drill/Driver
- BSZ14.4 14.4V Drill/Driver
- BSZ18 18V Drill/Driver
- SBZ18 18V Hammer Drill/Driver
- ASE 18 18V Cordless Reciprocating Saw
- BHA18 3/4" SDS Rotary Hammer
- KHA24 1" SDS Rotary Hammer 24V
- COMBO 4.1 4-PC 18V Combo Kit



PowerGrip II
7.2V Screwdriver



BSZ 18
18V Drill/Driver

Model #	PowerGrip II
Order # with charger & 2 Li-Ion batteries	600070520
2-speed gearbox	●
Metal gear housing	●
Rubber coated handle	●
Planetary gearing	●
Reversing switch	●
Battery pack voltage/capacity	7.2V/2.2Ah
Spindle lock for ease of driving stubborn screws	●
Adjustable torque control	20 + drill
Tightening torque (inch lbs.)–	
Soft Case (continuous)	80
Hard Case (maximum)	141
No-load speed (RPM)	0–250 / 0–750
Spindle recess	1/4 hex
Tool weight (with battery)	1.6 lbs.
Shipping weight	5.2 lbs.
Tool Length	5 3/4"
Carrying Case	(3444535500) standard
Standard Equipment:	1/4" Keyless chuck (636623000) 2-7.2V batteries (625487000) Offset screwdriver bit angle drive attachment (630650000) 20 Piece bit set (630454000) Charger (627308000)

Model #	BSZ 18
Order # w/AC30 chgr. & 2 NiCad batts.	602155520
Variospeed (V) electronics	●
2-speed gearbox	●
Quick-change chuck system	●
“AIR COOLED” battery pack	●
Planetary gearing	●
Electric brake	●
Reversing switch	●
On tool storage for screwdriver bits	●
Battery pack voltage/capacity	18V/1.4Ah
Spindle Lock for ease of tightening chuck	●
Adjustable torque control	20 + drill
Tightening torque (inch lbs.)–	
Soft Case (continuous)	248
Hard Case (maximum)	549
Chuck Capacity	1/2"
Capacity	
- in mild steel	1/2"
- in softwood	1 3/16"
No-load speed (RPM)	0-450/0-1450
Max. impacts/min.	n/a
Spindle thread	1/2 x 20 UNF
Tool weight	4.8 lbs.
Shipping weight (AC30 charger, 2 batteries)	11.4 lbs.
Length	9"
Carrying case	344452930 (standard)
Standard Equipment:	Keyless chuck (301003030) 2-18V batteries (625477000) Charger (627304000)

(See page 20-22 for drill/driver bits)



BSZ 12
12V Drill/Driver



BSZ 14.4
14.4V Drill/Driver

Model # Order # w/AC30 Plus chgr. & 2 Li-Ion batts.	BSZ 12 602161520	BSZ 14.4 602162520
Variospeed (V) electronics	●	●
2-speed gearbox	●	●
Quick-change chuck system	●	●
"AIR COOLED" battery pack	●	●
Planetary gearing	●	●
Electric brake	●	●
Reversing switch	●	●
On tool storage for screwdriver bits	●	●
Lithium Ion battery pack voltage/capacity	12V/2.2Ah	14.4V/2.2Ah
Spindle Lock for ease of tightening chuck	●	●
Adjustable torque control	20 + drill	20 + drill
Tightening torque (inch lbs.)–		
Soft Case (continuous)	195	212
Hard Case (maximum)	460	487
Chuck Capacity	1/2"	1/2"
Capacity		
- in mild steel	3/8"	1/2"
- in softwood	1"	1 3/16"
No-load speed (RPM)	0-400/0-1350	0-400/0-1400
Max. impacts/min.	n/a	n/a
Spindle thread	1/2 x 20 UNF	1/2 x 20 UNF
Tool weight	4.4 lbs.	4.6 lbs.
Shipping weight (AC30 charger, 2 batteries)	10.4 lbs.	10.9 lbs.
Length	9"	9"
Carrying case	344452920 (standard)	344452920 (standard)
Standard Equipment:	Keyless chuck (301003030)	Keyless chuck (301003030)
	2-12V batteries (625486000)	2-14.4V batteries (625482000)
	Charger (627277000)	Charger (627277000)

(See page 20-22 for drill/driver bits)



BSZ 18
18V Drill/Driver



SBZ 18
18V Hammer Drill/Driver

Model #	BSZ 18	SBZ 18
Order # w/AC30 Plus chgr. & 2 Li-Ion batts.	602163520	601445520
Variospeed (V) electronics	●	●
2-speed gearbox	●	●
Quick-change chuck system	●	●
"AIR COOLED" battery pack	●	●
Planetary gearing	●	●
Electric brake	●	●
Reversing switch	●	●
On tool storage for screwdriver bits	●	●
Lithium Ion battery pack voltage/capacity	18V/2.2Ah	18V/2.2Ah
Spindle Lock for ease of tightening chuck	●	●
Adjustable torque control	20 + drill	5 + drill and hammer
Tightening torque (inch lbs.)–		
Soft Case (continuous)	248	248
Hard Case (maximum)	549	549
Chuck Capacity	1/2"	1/2"
Capacity		
- in mild steel	1/2"	1/2"
- in softwood	1 3/16"	1 3/16"
- in concrete	n/a	3/8"
No-load speed (RPM)	0-450/0-1450	0-450/0-1450
Max. impacts/min.	n/a	0-26,800
Spindle thread	1/2 x 20 UNF	1/2 x 20 UNF
Tool weight	4.8 lbs.	5.1 lbs.
Shipping weight (AC30 charger, 2 batteries)	11.4 lbs.	11.7 lbs.
Length	9"	9 1/2"
Carrying case	344452930 (standard)	344452930 (standard)
Standard Equipment:	Keyless chuck (301003030) 2-18V batteries (625484000) Charger (627277000)	Keyless chuck (636621000) 2-18V batteries (625484000) Charger (627277000)

(See page 20-22 for drill/driver bits)



KSAP 18
Circular Saw



ASE 18
Cordless Reciprocating Saw

Model #	KSAP 18
Order # w/AC30 charger and 1 battery	602428420
Aluminum die-cast gear housing	●
Rubber-coated on/off switch	●
Ergonomic handle with rubber coating	●
Single guided parallel fence	●
Cutting indicator	●
"AIR COOLED" battery pack	●
Battery pack voltage/capacity	18V/2.0Ah
Dust extraction outlet	●
Spindle lock	●
Saw blade diameter/arbor	6 1/2"/6 5/8"
Carbide-tipped saw blade teeth	18
Cutting depth 90°	2 1/8"
Cutting depth 45°	1 5/8"
Angle setting	0-47°
No-load speed (RPM)	2500
Tool weight	10.4 lbs.
Shipping weight (AC30 charger, 2 batteries)	15.4 lbs.
Length	14 1/2"
Standard Equipment:	1-18V battery (625478000) Saw blade (18 teeth) (344162850) Parallel fence (331050740) Charger (627304000)
Optional Equipment:	24 tooth carbide blade (623065000) 40 tooth carbide blade (623066000) Guide rail - 59" long (631250000) Splitter (339132090)

Model #	ASE 18
Order # w/AC30 Plus chgr, 2 Li-Ion batteries	602169520*
Order # w/AC30 chgr, 2 NiCad batteries	600062620**
Metabo Quick tool-less blade change system	●
Adjustable depth shoe	●
"AIR COOLED" 18V battery pack	●
Ergonomic handle	●
No-load speed (SPM)	0-2,700
Stroke length	1"
Shoe adjustment length	1"
Tool weight	7.7 lbs.
Shipping weight	
Lithium	18.6 lbs.
NiCad	19.9 lbs.
Length	19 1/2"
Carrying case	344453250 (standard)

Standard Equipment: 3 Bi-metal saw blade assortment
2-18V, 2.0 Ah, NiCad batteries (625478000)**
2-18V, 2.2 Ah, Li-Ion batteries (625484000)*
Carrying case (344453250)
Charger (627277000)

(See page 92-93 for reciprocating saw blades)



BHA18
3/4" SDS Rotary Hammer



KHA24
1" SDS Rotary Hammer



Model # Order # with Li-Ion (2.2 Ah) batteries	BHA18 600219520	KHA24 600190520
Single blow energy (measured in joules)	1.6	2.2
Variospeed (V) electronics	●	
Vario tacho constamatic (VTC) electronics		●
Reversing switch	●	●
Metabo slip clutch	●	●
Rotation stop for chiseling		●
Metabo "CODE!" anti-theft system*		●
Battery pack voltage/capacity	18V/2.2Ah	25.2V/2.2Ah
Maximum Tightening Torque	80 inch lbs.	142 inch lbs.
Capacity		
- in concrete using solid bits	3/4"	1"
- in mild steel (using chuck adaptor)	3/8"	1/2"
- in softwood	7/8"	7/8"
No-load speed (RPM)	0-1100	0-1040
No-load blows per minute (BPM)	0-4900	0-4700
Tool weight	6.5 lbs.	8.1 lbs.
Shipping weight	14.75 lbs.	17.8 lbs.
Length	11"	12 3/8"
Carrying case	344453180 (standard)	344453260 (standard)
Standard Equipment:	Side handle (314000970) 2-18V batteries (625484000) Charger (627277000) Shoulder strap (316040370)	Side handle (314001010) 2-25.2V batteries (625489000) Charger (627285000)
Optional Equipment:	SDS-Plus to 1/2"-20 chuck adaptor (631285000) Used with 635250000 1/2" keyed chuck	SDS-Plus to 1/2"-20 chuck adaptor (631285000) Used with 635250000 1/2" keyed chuck

*To implement, requires purchase of accessory Code Key (See page 38)
(See page 40-41 for SDS-Plus masonry bits)



BSZ 18

COMBO 4.1
4-PC 18V Combo Kit

Model #	COMBO 4.1
Order # w/ 2 Li-Ion (2.2 Ah) batteries	685008420
Order # w/ 2 NiCad (2.0 Ah) batteries	685004420

Combo Kit also Includes:

- BSZ 18 Drill/Driver (602155520)**
- ASE 18 Reciprocating Saw (600062420)
- KSAP 18 Circular Saw (602428420)
- MLA 18 Flashlight
- 2-18V Batteries (625484000-Li-Ion) / (625478000-NiCad)
- AC30 Charger (627304000-NiCad)
- AC30 Plus Charger (627277000-Li-Ion)
- Carrying Case



SBZ 18

COMBO 4.1
4-PC 18V Combo Kit

NEW

Model #	COMBO 4.1
Order # w/ 2 Li-Ion (2.2 Ah) batteries	685009520

Combo Kit also Includes:

- SBZ 18 Hammer Drill/Driver (601445520)**
- ASE 18 Reciprocating Saw (600062420)
- KSAP 18 Circular Saw (602428420)
- MLA 18 Flashlight
- 2-18V Batteries (625484000-Li-Ion)
- AC30 Plus Charger (627277000)
- Carrying Case



ULA 9.6-18
Halogen Flashlight

Model #	ULA 9.6-18
Order # (for BSP type batteries)	602411000
Order # (for BSZ type batteries)	602511000

- Hand lantern with 4.4W halogen bulb ●
- Works up to 9.8 hours on a charge! ●
- Focusable light beam for illuminating the exact area you are working ●
- Swivel head can be locked in 6 positions ●
- Compact and handy for all sorts of use ●
- Ergonomic, easy to-grip shape ●
- Suitable for Metabo battery packs 12V to 18V (631747000, 631729000, 631749000, 631739000, 631857000, 631740000) ●
- The lantern is supplied without battery pack or charger.
- Replacement bulb part #343074560



COMBO 2.1
18V Drill/Driver and Saw Combo Kit

Model #	COMBO 2.1
Order #	685003420

Includes BSZ 18, KSAP 18, AC30 charger (627304000) and 2-18V NiCad Batteries (625478000)



BSP18 Plus
18V Drill/Driver



SBP18 Plus
18V Hammer Drill/Driver

Model #	BSP18 Plus	SBP18 Plus
Order # with C45 charger and 2 batteries	602421520	602422520
Variospeed (V) electronics	●	●
2-speed gearbox	●	●
Quick-change chuck system	●	●
Planetary gearing	●	●
Electric brake	●	●
Reversing switch	●	●
On tool storage for screwdriver bits	●	●
Battery pack voltage/capacity	18V/2.4Ah	18V/2.0Ah
Spindle Lock for ease of tightening chuck	●	●
Impulse feature	●	●
Adjustable torque control	20 + drill	5 + drill
Tightening torque (inch lbs.)–		
Soft Case (continuous)	265	265
Impulse	283	283
Hard Case (maximum)	575	575
Chuck Capacity	1/2"	1/2"
Capacity		
- in mild steel	1/2"	1/2"
- in concrete	n/a	5/8"
- in softwood	2"	2"
No-load speed (RPM)	0-400/0-1400	0-400/0-1400
No-load blows/min. (BPM)	n/a	0-22400
Spindle thread	1/2 x 20 UNF	1/2 x 20 UNF
Tool weight	6.3 lbs.	6.7 lbs.
Shipping weight (C45 charger, 2 batteries)	13.9 lbs.	14.3 lbs.
Length	10 1/2"	10 3/4"
Carrying case	625441000 (standard)	625441000 (standard)
Standard Equipment:	Keyless chuck (636517000) 2-18V batteries (631740000) Side handle (314000540)	Keyless chuck (636621000) 2-18V batteries (631857000) Side handle (314000540)

(See page 20-22 for drill/driver bits)

Battery and Charger Compatibility																				
																				
Batteries		ACS15 Plus*	AC30	AC30 Plus	AS S15	LC60														
		4.8V-18V	4.8V-18V	4.8V-18V	24V	7.2V														
NiCad																				
BST/BSP models  <table border="1"> <thead> <tr> <th>Capacity</th> <th>Item #</th> </tr> </thead> <tbody> <tr> <td>12V, 1.4Ah</td> <td>631747000</td> </tr> <tr> <td>12V, 2.0Ah</td> <td>631729000</td> </tr> <tr> <td>15.6V, 2.4Ah</td> <td>631749000</td> </tr> <tr> <td>18V, 1.25Ah</td> <td>631739000</td> </tr> <tr> <td>18V, 2.0Ah</td> <td>631857000</td> </tr> <tr> <td>18V, 2.4Ah</td> <td>631740000</td> </tr> </tbody> </table>		Capacity	Item #	12V, 1.4Ah	631747000	12V, 2.0Ah	631729000	15.6V, 2.4Ah	631749000	18V, 1.25Ah	631739000	18V, 2.0Ah	631857000	18V, 2.4Ah	631740000	X	X	X		
Capacity	Item #																			
12V, 1.4Ah	631747000																			
12V, 2.0Ah	631729000																			
15.6V, 2.4Ah	631749000																			
18V, 1.25Ah	631739000																			
18V, 2.0Ah	631857000																			
18V, 2.4Ah	631740000																			
BSZ models*** AIR-COOLED  <table border="1"> <thead> <tr> <th>Capacity</th> <th>Item #</th> </tr> </thead> <tbody> <tr> <td>12V, 1.4Ah</td> <td>625473000</td> </tr> <tr> <td>12V, 2.0Ah</td> <td>625474000</td> </tr> <tr> <td>14.4V, 1.4Ah</td> <td>625475000</td> </tr> <tr> <td>14.4V, 2.0Ah</td> <td>625476000</td> </tr> <tr> <td>18V, 1.4Ah</td> <td>625477000</td> </tr> <tr> <td>18V, 2.0Ah</td> <td>625478000</td> </tr> </tbody> </table>		Capacity	Item #	12V, 1.4Ah	625473000	12V, 2.0Ah	625474000	14.4V, 1.4Ah	625475000	14.4V, 2.0Ah	625476000	18V, 1.4Ah	625477000	18V, 2.0Ah	625478000	X	X	X		
Capacity	Item #																			
12V, 1.4Ah	625473000																			
12V, 2.0Ah	625474000																			
14.4V, 1.4Ah	625475000																			
14.4V, 2.0Ah	625476000																			
18V, 1.4Ah	625477000																			
18V, 2.0Ah	625478000																			
 <table border="1"> <thead> <tr> <th>Capacity</th> <th>Item #</th> </tr> </thead> <tbody> <tr> <td>4.8V, 1.25Ah</td> <td>631858000**</td> </tr> </tbody> </table>		Capacity	Item #	4.8V, 1.25Ah	631858000**	X**	X**	X**												
Capacity	Item #																			
4.8V, 1.25Ah	631858000**																			
Lithium Ion																				
BSZ models*** AIR-COOLED  <table border="1"> <thead> <tr> <th>Capacity</th> <th>Item #</th> </tr> </thead> <tbody> <tr> <td>12V, 2.2Ah</td> <td>625486000</td> </tr> <tr> <td>14.4V, 2.2Ah</td> <td>625482000</td> </tr> <tr> <td>18V, 2.2Ah</td> <td>625484000</td> </tr> </tbody> </table>		Capacity	Item #	12V, 2.2Ah	625486000	14.4V, 2.2Ah	625482000	18V, 2.2Ah	625484000	X		X								
Capacity	Item #																			
12V, 2.2Ah	625486000																			
14.4V, 2.2Ah	625482000																			
18V, 2.2Ah	625484000																			
KHA24 model AIR-COOLED  <table border="1"> <thead> <tr> <th>Capacity</th> <th>Item #</th> </tr> </thead> <tbody> <tr> <td>25.2V, 2.2Ah</td> <td>625489000</td> </tr> </tbody> </table>		Capacity	Item #	25.2V, 2.2Ah	625489000				X											
Capacity	Item #																			
25.2V, 2.2Ah	625489000																			
PowerGrip II model  <table border="1"> <thead> <tr> <th>Capacity</th> <th>Item #</th> </tr> </thead> <tbody> <tr> <td>7.2V, 2.2Ah</td> <td>625487000</td> </tr> </tbody> </table>		Capacity	Item #	7.2V, 2.2Ah	625487000					X										
Capacity	Item #																			
7.2V, 2.2Ah	625487000																			
Adapter	 <table border="1"> <thead> <tr> <th>Item #</th> </tr> </thead> <tbody> <tr> <td>631976000</td> </tr> </tbody> </table>	Item #	631976000	X** = charge only with this adapter																
	Item #																			
631976000																				
 <table border="1"> <thead> <tr> <th>Item #</th> </tr> </thead> <tbody> <tr> <td>627075000</td> </tr> </tbody> </table>	Item #	627075000	Allows charging of AIR-COOLED BSZ batteries in the ICS10, IC25, C60, C60 Car chargers. Allows charging older batteries 30069-30073, 31724-31725 in AC30, AC30 Plus and ACS15 Plus chargers																	
Item #																				
627075000																				
Chargers	Order No.	627062000	627304000	627277000	627285000	627308000														
	Approx. Charging Time (1.4Ah bat.)	15 min.	30 min.	30 min.	15 min.	60 min.														

*ACS15 Plus features refresh function that can restore capacity to "worn" Ni-Cad batteries

**No adapter required for use with original PowerMaxx charger (item# 627072000)

***The BSZ series Ni-Cad and Lithium Ion batteries are interchangeable. To charge Lithium Ion batteries AC30 Plus charger (627277000) or ACS15 Plus (627062000) is required.



MADE TO WORK AS HARD AS YOU DO.

Rough work, grinding, brushing, cutting, finishing and polishing, hardly any tool is used as much as an angle grinder. Therefore, we have divided our angle grinders into three classes: compact, intermediate and full size, so you always get the right tool for the job. Metabo grinders have the latest technology and longevity. **Metabo. Work. Don't play.**





Double insulation

Double insulation protects against electric shock by creating a non-conducting barrier between the operator and the electric components inside the tool.

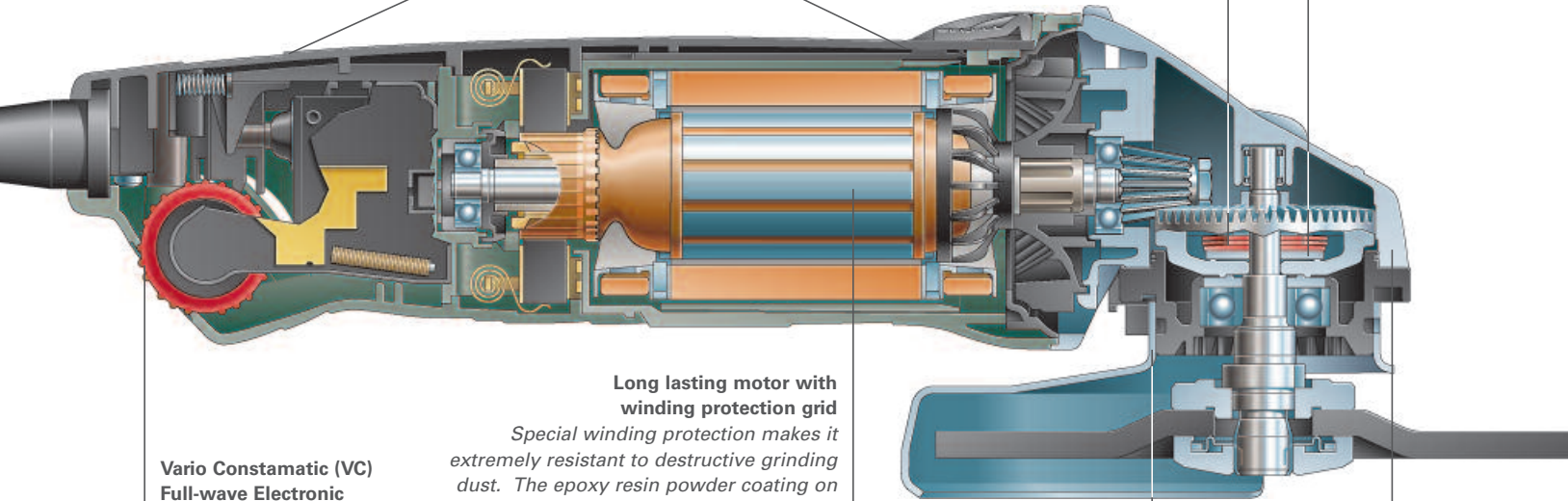
Metabo safety clutch

For protection against kick-back which can occur if the wheel jams.

Ergonomic design
2 "comfort" zones for superior grip.

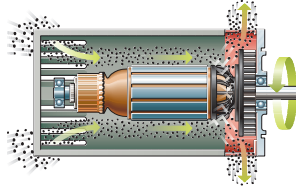
Metabo "Quick" spannerless wheel change system

Metabo quick wheel change system allows for safe, tool-free wheel change.



Long lasting motor with winding protection grid

Special winding protection makes it extremely resistant to destructive grinding dust. The epoxy resin powder coating on the field coil helps prevent overheating of the motor under heavy loads. Winding protection grid deflects harmful airborne debris away from armature windings thus the motor will last up to five times longer than a motor without such protection.



Vario Constamatic (VC) Full-wave Electronic Speed Control

The speed can be varied from the lowest speed value to the maximum. The speed remains constant under moderate load and drops under heavy load.

Tacho Constamatic (TC) Full-wave Electronic Speed Control

Vario Tacho Constamatic (VTC) Full-wave Electronic Speed Control

The speed at rated load, even under heavy operating conditions is equal to the no-load speed.

Toolless guard adjustment

Quickly change the position of the guard without using tools. Easy operation increases operator safety.

Aluminum die-cast housing

For optimum heat dissipation and superior durability.

Electronic winding temperature monitor

Warning light of a possible overload when the windings approach a harmful temperature. (WE14- models only)





Vibratex anti-vibration handle

The Vibratex handle is a response to the requests for the reduction of the cumulative problems associated with vibration to the hands and arms from the use of power tools. Vibration on the side handle is reduced by up to 60% compared to the current handle. The risk of "White Finger Syndrome" caused by vibration exposure over the workers lifespan is reduced considerably!

Twister 3 position rear handle for cutting/grinding

The Metabo twister handle turns 90 degrees in either direction, without tools.

The right grinder for every application.

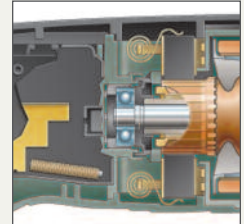
Class division		Type	Page
<p>The compact class</p> <p>Maximum grinding wheel dia. 4 1/2", 5", 6"</p> <p>Its strengths: Wire brushing Cutting medium-sized profiles. Rough grinding for welding preparation. Smoothing welded seams. Grinding metal, wood, plastics (with electronics). Cutting tiles. Stone cutting, forming, polishing</p>		<p>Rated input watts 900-1400</p> <p>W6-115 65 W7-115 65 W8-115 NEW 65 W8-115 Quick NEW 65 WP7-115 Quick 66 WPS7-115 Quick 66 W8-125 NEW 66 WP7-125 Quick 67 WPS7-125 Quick 67 WE9-125 Quick NEW 67 W11-125 Quick NEW 67 WB11-125 Quick NEW 68 W11-150 Quick NEW 68 WB11-150 Quick NEW 68 WE14-125 Plus NEW 68 WE14-125 VS 69 WE14-150 Quick NEW 69 WEP14-150 Quick 69</p>	
<p>The full size class</p> <p>Maximum grinding wheel dia. 7", 9"</p> <p>Its strengths: Cutting full material. Cutting concrete and slabs. Hard grinding.</p>		<p>Rated input watts 2100-2300</p> <p>W23-180 70 W23-230 70 W21-230 71</p>	



The NEW Metabo angle grinders work harder, and longer!

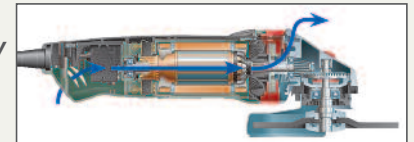
Extreme Dust protection:

“An *encapsulated switch, labyrinth seals with double sealing lips* on the ball bearings and *auto-stop carbon brushes with encapsulated carbon holders* protect the internals from the accumulation of grinding dust particles. Combined with the *Metabo “Long Life” motor, the winding protection grid and epoxy coated windings*, this new breed of angle grinders are virtually indestructible!”



Optimum cooling:

An improved *sonically balanced fan* coupled with better venting and more efficient internal ducting channels have resulted in a **10-15% increase* in air flow** over the motor. As a result, these new grinders can work harder, longer; performance and durability are increased. (*dependent on model)



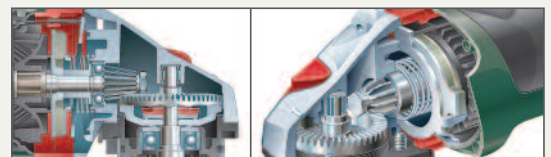
The NEW Metabo angle grinders work safely!

Optimum User protection:

The Metabo S-automatic torque limiting clutch in most models helps to protect the user from the dangerous kickback that can occur if the tool jams or gets caught. By absorbing the sudden reaction torque, the Metabo S-automatic torque limiting clutch allows the user to control and remove the tool from whatever is causing the binding.

Metabo Exclusive Disc Brake found on WB 11-125 Quick and WB 11-150 Quick only.

The hard wearing *Metabo disc brake brings the grinding disc to a stop within three seconds* of switching off the angle grinder. An important feature for protecting users who are working overhead or in confined spaces.





W6-115
4 1/2" Angle Grinder

W7-115
4 1/2" Angle Grinder

W8-115
4 1/2" Angle Grinder

W8-115 Quick
4 1/2" Angle Grinder

NEW

NEW

Model # Order #	W6-115 606111420	W7-115 606204420	W8-115 600259420	W8-115 Quick 600264420
Long lasting motor		●	●	●
Quick wheel change system				●
Switch with lock on capability	●	●	●	●
Spindle lock	●	●	●	●
Low profile aluminum die-cast gear housing	●	●	●	●
Toolless guard adjustment		●	●	●
2-position side handle	●	●	●	●
Metabo slip clutch		●	●	●
Auto-stop carbon brushes		●	●	●
Winding protection grid		●	●	●
Maximum Torque	16 inch lbs.	21 inch lbs.	19.5 inch lbs. Also available in 220V	19.5 inch lbs. Also available in 220V
Maximum wheel diameter	4 1/2"	4 1/2"	4 1/2"	4 1/2"
No-load speed (RPM)	11000	10000	10000	10000
Amps	6.0	8.0	8.0	8.0
Rated input watts	650	900	800	800
Arbor size	7/8"	7/8"	7/8"	7/8"
Spindle thread	5/8"-11	5/8"-11	5/8"-11	5/8"-11
Tool weight	4.5 lbs.	4.8 lbs.	5.4 lbs.	5.4 lbs.
Shipping weight	6.0 lbs.	6.0 lbs.	6.3 lbs.	6.2 lbs.
Length	11"	11"	11 3/4"	11 3/4"
Carrying case	656304000 or 625445000 (optional)	625445000 (optional)	344453610 (optional)	344453610 (optional)

Standard Equipment:	W6-115	W7-115	W8-115	W8-115 Quick
Side Handle (314000540)	Side Handle (314000540)	Side Handle (314000970)	Side Handle (314000970)	Side Handle (314000970)
Wheel Guard (316040740)	Wheel Guard (316040740)	Wheel Guard (316035700)	Wheel Guard (339209210)	Wheel Guard (339209210)
Inner Flange (341031290)	Inner Flange (341031290)	Inner Flange (341031290)	Inner Flange (341031290)	Inner Flange (341031290)
Face Spanner (623934000)	Face Spanner (623934000)	Face Spanner (623934000)	Face Spanner (623934000)	Outer Nut (316023840)
Outer Nut (341101480)	Outer Nut (341101480)	Outer Nut (341101480)	Outer Nut (341101480)	

Optional Equipment:	W6-115	W7-115	W8-115	W8-115 Quick
Type 1 Cut-off Wheel Guard (631189000)	Type 1 Cut-off Wheel Guard (631189000)	Type 1 Cut-off Wheel Guard (655139000)	Type 1 Cut-off Wheel Guard (630366000)	Type 1 Cut-off Wheel Guard (630366000)

(See page 110 for 220V tools)



WP7-115 Quick
4 1/2" Angle Grinder



WPS7-115 Quick
4 1/2" Angle Grinder



W8-125
4 1/2"/5" Angle Grinder

NEW

Model # Order #	WP7-115 Quick 606210420	WPS7-115 Quick 606208420	W8-125 600263420
Long lasting motor	●	●	●
Quick wheel change system	●	●	
Switch with lock on capability	●		●
Spindle lock	●	●	●
Low profile aluminum die-cast gear housing	●	●	●
Toolless guard adjustment	●	●	●
2-position side handle	●	●	●
Metabo slip clutch	●	●	●
Auto-stop carbon brushes	●	●	●
Winding protection grid	●	●	●
Maximum Torque	21 inch lbs.	21 inch lbs. Also available in 220V	19.5 inch lbs Also available in 220V
Maximum wheel diameter	4 1/2"	4 1/2"	5"
No-load speed (RPM)	10000	10000	10000
Amps	8.0	8.0	8.0
Rated input watts	900	900	800
Arbor size	7/8"	7/8"	7/8"
Spindle thread	5/8"-11	5/8"-11	5/8"-11
Tool weight	5.0 lbs.	5.0 lbs.	5.4 lbs.
Shipping weight	6.0 lbs.	6.0 lbs.	6.2 lbs.
Length	12 1/2"	12 1/2"	11 3/4"
Carrying case	625445000 (optional)	625445000 (optional)	344453610 (optional)
Standard Equipment:	Side Handle (314000970) Wheel Guard (316035700) Inner Flange (341031290) Outer Nut (316023840)	Side Handle (314000970) Wheel Guard (316035700) Inner Flange (341031290) Outer Nut (316023840)	Side Handle (314000970) Wheel Guard (339203010) Inner Flange (341031290) Face Spanner (623934000) Outer Nut (341101480)
Optional Equipment:	Type 1 Cut-off Wheel Guard (655139000) 'Dust Director' Guard (655254000)	Type 1 Cut-off Wheel Guard (655139000) 'Dust Director' Guard (655254000)	Type 1 Cut-off Wheel Guard (630367000)

(See page 110 for 220V tools)



WP7-125 Quick
5" Angle Grinder

WPS7-125 Quick
5" Angle Grinder

WE9-125 Quick
4 1/2"/5" Angle Grinder

W11-125 Quick
4 1/2"/5" Angle Grinder

NEW

NEW

Model # Order #	WP7-125 Quick 606211420	WPS7-125 Quick 606209420	WE9-125 Quick 600269420	W11-125 Quick 600270420
Vario constamatic (VC) electronics			●	
Long lasting motor	●	●	●	●
Quick wheel change system	●	●	●	●
Switch with lock on capability	●	●	●	●
Spindle lock	●	●	●	●
Low profile aluminum die-cast gear housing	●	●	●	●
Toolless guard adjustment	●	●	●	●
2-position side handle	●	●	●	●
Metabo slip clutch	●	●	●	●
Auto-stop carbon brushes	●	●	●	●
Winding protection grid	●	●	●	●
Maximum Torque	21 inch lbs.	21 inch lbs	22 inch lbs. Also available in 220V	26.9 inch lbs.. Also available in 220V
Maximum wheel diameter	5"	5"	5"	5"
No-load speed (RPM)	9000	9000	3000-10000	10000
Amps	8.0	8.0	8.5	9.6
Rated input watts	900	900	950	1100
Arbor size	7/8"	7/8"	7/8"	7/8"
Spindle thread	5/8"-11	5/8"-11	5/8"-11	5/8"-11
Tool weight	5.1 lbs.	5.1 lbs.	5.4 lbs.	5.8 lbs.
Shipping weight	6.2 lbs.	6.2 lbs.	6.2 lbs.	6.8 lbs.
Length	12 1/2"	12 1/2"	11 3/4"	12 1/4"
Carrying case	625445000 (optional)	625445000 (optional)	344453610 (optional)	344453610 (optional)
Standard Equipment:	Side Handle (314000970) Wheel Guard (316035710) Inner Flange (341031290) Outer Nut (316023840)	Side Handle (314000970) Wheel Guard (316035710) Inner Flange (341031290) Outer Nut (316023840)	Side Handle (314000970) Wheel Guard (339203010) Inner Flange (341031290) Outer Nut (316023840)	Side Handle (314000970) Wheel Guard (339203010) Inner Flange (341031290) Outer Nut (316023840)
Optional Equipment:	Type 1 Cut-off Wheel Guard (655139000) 'Dust Director' Guard (655254000)	Type 1 Cut-off Wheel Guard (655139000) 'Dust Director' Guard (655254000)	Type 1 Cut-off Wheel Guard (630367000)	Type 1 Cut-off Wheel Guard (630367000)

(See page 110 for 220V tools)



WB11-125 Quick
4 1/2"/5" Angle Grinder

W11-150 Quick
5"/6" Angle Grinder

WB11-150 Quick
5"/6" Angle Grinder

WE14-125 Plus
4 1/2"/5" Angle Grinder

NEW

NEW

NEW

NEW

Model # Order #	WB11-125 Quick 600274420	W11-150 Quick 600271420	WB11-150 Quick 600276420	WE14-125 Plus 600281420
Vario tacho constamatic (VTC) electronics				●
Long lasting motor	●	●	●	●
Quick wheel change system	●	●	●	●
NEW Metabo disc brake	●		●	
Switch with lock on capability	●	●	●	●
Spindle lock	●	●	●	●
Low profile aluminum die-cast gear housing	●	●	●	●
Toolless guard adjustment	●	●	●	●
2-position side handle	●	●	●	●
Metabo slip clutch	●	●	●	●
Auto-stop carbon brushes	●	●	●	●
Winding protection grid	●	●	●	●
Maximum Torque	26.9 inch lbs. Also available in 220V	29.2 inch lbs Also available in 220V	29.2 inch lbs. Also available in 220V	29.2 inch lbs. Also available in 220V
Maximum wheel diameter	5"	6"	6"	5"
No-load speed (RPM)	10000	9000	9000	7000-10500
Amps	9.6	9.6	9.6	12.2
Rated input watts	1100	1100	1100	1400
Arbor size	7/8"	7/8"	7/8"	7/8"
Spindle thread	M14-1.5	5/8"-11	M14-1.5	5/8"-11
Tool weight	6.0 lbs.	6.0 lbs.	6.25 lbs.	6.2 lbs.
Shipping weight	7.0 lbs.	7.0 lbs.	7.25 lbs.	7.2 lbs.
Length	13"	12.25"	13"	12.25"
Carrying case	656304000 (optional)	656304000 (optional)	656304000 (optional)	344453610 (optional)
Standard Equipment:	Side Handle (314000970) Wheel Guard (339203010) Inner Flange (341031290) Outer Nut (316042740)	Side Handle (314000970) Wheel Guard (339203020) Inner Flange (341031290) Outer Nut (316023840)	Side Handle (314000970) Wheel Guard (339203020) Inner Flange (341031290) Outer Nut (316042740)	Side Handle (314000970) Wheel Guard (339203010) Inner Flange (341031290) Outer Nut (316023840)

Optional Equipment:	Type 1 Cut-off Wheel Guard (630367000)	Type 1 Cut-off Wheel Guard (630368000)	Type 1 Cut-off Wheel Guard (630368000)	Type 1 Cut-off Wheel Guard (630367000)
---------------------	--	--	--	--

(See page 110 for 220V tools)



WE14-125 VS
Electronic Variable Speed
4 1/2" / 5" Angle Grinder



WE14-150 Quick
5" / 6" Angle Grinder

NEW



WEP14-150 Quick "Deadman"
Excalibur– Electronic 6" Angle
Grinder/Cut-off Machine with
non-locking paddle switch

Model # Order #	WE14-125 VS 601426420	WE14-150 Quick 600160420	WEP14-150 Quick 601452420
Vario tacho constamatic (VTC) electronics	●		
Tacho constamatic (TC) electronics		●	●
Long lasting motor	●	●	●
Quick wheel change system	●	●	●
Switch with lock on capability	●	●	
Current interruption protection	●	●	●
Spindle lock	●	●	●
Low profile aluminum die-cast gear housing	●	●	●
Variable speed controlled by adjusting dial	●		
Toolless guard adjustment	●	●	●
2-position side handle	●	●	●
Electronic winding temperature monitor with LED display	●	●	●
Metabo slip clutch	●	●	●
Auto-stop carbon brushes	●	●	●
Winding protection grid	●	●	●
Electronic soft start feature	●	●	●
Electronic speed stabilization	●	●	●
Maximum Torque	29 inch lbs.	31 inch lbs. Also available in 220V	31 inch lbs.
Maximum wheel diameter	5"	6"	6"
No-load speed (RPM)	3000-10000	9000	9000
Amps	12.0	12.2	12.0
Rated input watts	1400	1400	1400
Arbor size	7/8"	7/8"	7/8"
Spindle thread	5/8"-11	5/8"-11	5/8"-11
Tool weight	5.5 lbs.	6.3 lbs.	5.6 lbs.
Shipping weight	6.8 lbs.	7.3 lbs.	7.0 lbs.
Length	12"	12.25"	12"
Carrying case	656304000 (optional)	656304000 (optional)	656304000 (optional)
Standard Equipment:	Side handle (314000970) Wheel guard (316035710) Inner flange (341031290) Outer nut (316023840)	Side handle (314000970) Wheel guard (339203020) Type 27 Inner flange (341031850) Outer nut (316023840) Flange Kit (316037200)	Side handle (314000970) Wheel guard (316035720) Type 27 Inner flange (341031850) Outer nut (316023840) Flange Kit (316037200)
Optional Equipment:	Type 1 Cut-off Wheel Guard (655139000) 'Dust Director' Guard (655254000)	Type 1 Cut-off Wheel Guard (630368000)	Type 1 Cut-off Wheel Guard (655140000)



W23-180
7" Angle Grinder



W23-230
9" Angle Grinder

Model # Order #	W23-180 606410460	W23-230 606415460
Maximum grinding wheel diameter	7"	9"
Long lasting motor	●	●
Spindle lock	●	●
3-position side handle	●	●
Twister 3-position rear handle for cutting/grinding	●	●
Toolless guard adjustment	●	●
Winding Protection Grid	●	●
Safety lock to prevent the accidental switching on of the tool	●	●
Auto-stop carbon brushes	●	●
Suitable for occasional DC use	●	●
Maximum Torque	124 inch lbs. Also available in 220V	150 inch lbs. Also available in 220V
Maximum wheel diameter	7"	9"
No-load speed (RPM)	8500	6600
Amps	15.0	15.0
Rated input watts	2300	2300
Arbor size	7/8"	7/8"
Spindle thread	5/8"-11	5/8"-11
Tool weight	13.3 lbs.	13.6 lbs.
Shipping weight	17 lbs.	17.3 lbs.
Length	18"	18"
Carrying case	623874000 (optional)	623874000 (optional)
Standard equipment:		
Side handle	(314 000 960)	(314 000 960)
Wheel guard	(316 025 890)	(316 025 880)
Inner flange	(341 031 290)	(341 031 290)
Clamping nut	(341 101 480)	(341 101 480)
Face spanner	(623 934 000)	(623 934 000)

(See page 110 for 220V tools)



W21-230
9" Angle Sander

Model #	W21-230
Order #	606405460
Order # (non-locking deadman switch)	n/a
Maximum grinding wheel diameter	9"
Long lasting motor	●
Spindle lock	●
3 position side handle	●
Twister 3 position rear handle for cutting/grinding	●
Toolless guard adjustment	
Winding Protection Grid	●
Safety lock to prevent the accidental switching on of the tool	●
Auto-stop carbon brushes	●
Suitable for occasional DC use	●
Maximum Torque	150 inch lbs.
Maximum wheel diameter	9"
No-load speed (RPM)	6000
Amps	15.0
Rated input watts	2100
Arbor size	7/8"
Spindle thread	5/8" - 11
Tool weight	12.3 lbs.
Shipping weight	16 lbs.
Length	18"
Carrying case	623874000 (optional)

Standard Equipment:

- Side handle (314 000 280)
- Inner flange (341 031 290) optional
- Clamping nut (341 101 480) optional
- Face spanner (623 934 000) optional

For mounting Type 1 and Type 27 non-hubbed wheels



655038000 Adapter kit to mount diamond blades on 7" - 9" grinders



655039000 Adapter kit to mount 7" - 9" Type 27 wheels w/o hub. 655052000 replacement nut

(See page 110 for 220V tools)