

# metabo®

PROFESSIONAL POWER TOOL SOLUTIONS

## 2020-2021 Power Tools + Accessories



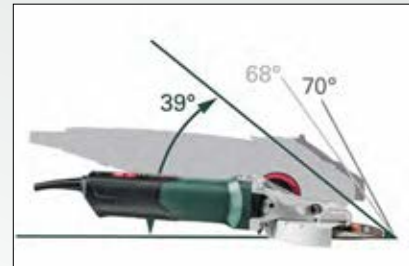


## Solutions for Tight Spaces

The patented gear drive allows for a very low profile head design that enables grinding in angles as small as 39°, and into narrow spaces as low as 2-5/8" high.

**Ergonomic design reduces fatigue, even when working on weld joints in difficult positions.**

Specifically designed abrasive accessories allow the flat head grinder to work faster, saving time and money.



Patented gear design:  
the Metabo flat head angle grinder  
vs. standard angle grinders

### Applications

Metal cutting and grinding	Steel erection	Ship building/maintenance
Metal fabrication	Pipefitting	General metal industry
		General contractors

LEARN MORE!



## Unmatched Safety



Typical problem...Grinder doesn't reach



This solution violates safety standards



**Metabo flat head grinders are THE SOLUTION**

- **Safety Brake\*** stops wheels in under 2 seconds
- **Metabo Safety Clutch** reduces the risk of kickback during jams
- **Non-Locking Paddle Switch\*** (OSHA preferred and required by many safety regulations)
- **Metabo MVT Vibratex Handle\*** reduces hand / arm vibration by up to 60%
- **Toolless, Adjustable Burst-Proof Guard with 7 Steps**

\*Available on select models

# 4 1/2" - 6" FLAT HEAD ANGLE GRINDERS

**4 1/2"-5" Flat Head Angle Grinder**  
WEF 9-125



**4 1/2"-5" Flat Head Paddle Switch Angle Grinder**  
WEPF 9-125



**4 1/2"-5" Flat Head Electronic Variable Speed High Torque Angle Grinder**  
WEVF 10-125 Quick INOX



**18V 4 1/2"-5" Flat Head Paddle Switch Cordless Angle Grinder**  
WPF 18 LTX 125



**6" Flat Head Electronic Angle Grinder**  
WEF 15-150 Quick



**6" Flat Head Paddle Switch Electronic Angle Grinder**  
WEPF 15-150 Quick



**6" Flat Head Paddle Switch Electronic Angle Grinder with Brake**  
WEPBF 15-150 Quick






Model:	WPF 18 LTX 125	WEF 9-125	WEPF 9-125	WEVF 10-125 Quick INOX	WEF 15-150 Quick	WEPF 15-150 Quick	WEPBF 15-150 Quick
Order No.: CORDED TOOL	----	613060420	613069420	613080420	613083420	613084420	613085420
Order No.: 8.0 LiHD Kit (ASC30-36 Charger + 2 LiHD 8.0 Ah Batteries)	US613070620	----	----	----	----	----	----
Order No.: BARE TOOL	613070860	----	----	----	----	----	----








Maximum wheel diameter	4 1/2" - 5"	4 1/2" - 5"	4 1/2" - 5"	4 1/2" - 5"	6"	6"	6"
Amps	---	8.0	8.0	9.5	13.5	13.5	13.5
No-load speed (RPM)	8,000	10,000	10,000	2,000-7,600	9,600	9,600	9,600
Minimum clearance	43° / 2-5/8"	43° / 2-5/8"	43° / 2-5/8"	43° / 2-5/8"	39° / 2-5/8"	39° / 2-5/8"	39° / 2-5/8"
Mechanical brake							•
Non-locking paddle switch	•		•			•	•
Toolless wheel change	•			•	•	•	•
Motor	18V Cordless	LongLife	LongLife	LongLife	LongLife	LongLife	LongLife
Side handle	Vibration dampened	Vibration dampened	Vibration dampened	Vibration dampened	MVT VibraTech	MVT VibraTech	MVT VibraTech
Electronic features:							
Variable speed dial				•			
Speed stabilization		TC	TC	VC	TC	TC	TC
Power interruption protection	•	•	•	•	•	•	•
Soft start feature	•	•	•	•	•	•	•
Overload protection	w/LED	•	•	w/LED	w/LED	w/LED	w/LED
Electronic safety clutch	•	•	•	•	•	•	•
Rotatable gear housing	•	•	•	•	•	•	•
Toolless, adjustable burst-proof guard w/ 7 stops	•	•	•	•	•	•	•
<b>Standard Equipment</b>							
Wheel guard	316055590	316055590	316055590	316055590	339204600	339204600	339204600
Side handle	316046590	316046590	316046590	316046590	314000970	314000970	314000970
Inner flange	341031290	341031290	341031290	341031290	341031290	341031290	341031290
Locking nut	341101480	341101480	341101480	316064690	316064690	316064690	316064690
Spanner wrench	623934000	623934000	623934000	623934000			
<b>Optional Equipment</b>							
Type 1 cutting guard	630355000	630355000	630355000	630355000	630378000	630378000	630378000








# Increase Productivity with Metabo's Unique Flat Head Angle Grinder Accessories









SPECIALTY WHEELS	Grit	Size	Pcs./ Pkg.	Order No.
 <b>Flexiamant Super Convex CER</b> Extreme performance ceramic steel/stainless steel/heat sensitive materials <b>contaminant free</b>	P 60	5 x 7/8 6 x 7/8	10	626460000 626488000
	P 80	5 x 7/8 6 x 7/8	10	626461000 626489000
 <b>Flexiamant Super Convex ZK</b> High performance zirconia alumina steel/stainless steel <b>contaminant free</b>	P 40	5 x 7/8 6 x 7/8	10	626462000 626490000
	P 60	5 x 7/8 6 x 7/8	10	626463000 626491000
	P 80	5 x 7/8 6 x 7/8	10	626464000 626492000
 <b>Non-woven Fleece VKS ZK</b> Shapeable disc precise cleaning of weld seams steel/stainless steel	coarse	5 x 7/8	5	626482000
	medium	5 x 7/8	5	626483000

GRINDING WHEELS	Spec.	Size	Pcs./ Pkg.	Order No.
 <b>Original Long Life Grinding Wheel</b> Type 27 Steel	A 24 R	5 x 1/4 x 7/8 6 x 1/4 x 7/8	25	616308000 616319000
 <b>Plus Grinding Wheel</b> Type 27 Aluminum	A 36 M	5 x 1/4 x 7/8	25	616749000
 <b>Plus-Z (Zirconia) Grinding Wheel</b> Type 27 Steel/Stainless Steel	ZA24T	6 x 1/4 x 7/8	25	616787000
 <b>M-Calibur (Ceramic) Grinding Wheel</b> Type 27 Steel/Stainless Steel Stainless Steel	CA46U	5 x 1/4 x 7/8 6 x 1/4 x 7/8	10	US616291000 US616292000
 <b>"Combinator" Type 27</b> Cutting & Grinding Steel/Stainless	A 46 U	5 x 5/64 x 7/8 6 x 5/64 x 7/8	25	616501420 616502420
 <b>Pipeline Wheel Type 27</b> Cutting/Notching/Grinding Steel/Stainless Steel	A 24 T	5 x 1/8 x 7/8 6 x 1/8 x 7/8	25	655287000 655285000
 <b>Stringer Bead Wire Wheel Knotted</b>	.020 Carbon Steel	4-1/2 x 3/16 x 5/8-11 5 x .020 x 3/16 x 7/8 6 x .020 x 15/64 x 7/8	5 5 1	655228005 655229005 626816000

Other Accessories	Description	Details	Order No.
	<b>5" Type 1 Cutting Guard</b>		630355000 fits 5" WEPF9-125, WEF9-125
	<b>5" Type 1 Cutting Guard</b>	Comply with OSHA/ANSI B7.1 regulations	630372000 fits 5" WEVF10-125
	<b>6" Type 1 Cutting Guard</b>		630378000 fits all 6"
	<b>Multiple Position Handle</b>	Allows for infinite adjustment of the ergonomic side handle	627362000
	<b>Dust Protection Filter</b>	Protects motor components from harmful particles; aluminum, cloth from fiber discs and polishing fibers. Quick, tool free installation and removal	630719000 for use with slide switch grinders  630792000 for use with paddle switch grinders

Not compatible with WEF9 / WEPF9-125 / Drop Secure Grinders

TYPE 1 CUTTING WHEELS	Spec.	Size	Pcs./ Pkg.	Order No.
 <b>Original Slicer</b> Fastest Cut/Flexible Steel/Stainless Steel	A 60 TZ	5 x .040 x 7/8 6 x .040 x 7/8	50	655334000 655339000
 <b>Original Long Life Slicer</b> Long Life/Tough Steel/Stainless Steel	A 60 XL	5 x .045 x 7/8 6 x .045 x 7/8	50	655335000 655344000
 <b>Slicer Plus</b> Aggressive/Cool Cutting Steel/Stainless Steel	A 60 TX	5 x .045 x 7/8 6 x .045 x 7/8	50	655993000 655998000
 <b>Super Slicer Heavy Duty</b> , Contaminant Free, Steel/Stainless Steel, High Tensile Alloy	A60XP	5 x .045 x 7/8 6 x .045 x 7/8	50	655992000 655995000
 <b>M-Calibur (Ceramic) Extreme Heavy Duty</b> Ceramic, Contaminant Free, Steel/Stainless Steel, High Tensile Alloy	CA46U	6 x 1/16 x 7/8	25	US616287000
 <b>M-Calibur (Ceramic) Extreme Heavy Duty</b> Ceramic, Contaminant Free, Steel/Stainless Steel, High Tensile Alloy	CA46U	6 x .045 x 7/8	25	US616284000



# 4 1/2" - 6" FLAT HEAD ANGLE GRINDERS

**4 1/2"-5" Flat Head Angle Grinder**  
WEF 9-125



**4 1/2"-5" Flat Head Paddle Switch Angle Grinder**  
WEPF 9-125



**4 1/2"-5" Flat Head Electronic Variable Speed High Torque Angle Grinder**  
WEVF 10-125 Quick INOX



**18V 4 1/2"-5" Flat Head Paddle Switch Cordless Angle Grinder**  
WPF 18 LTX 125



**6" Flat Head Electronic Angle Grinder**  
WEF 15-150 Quick



**6" Flat Head Paddle Switch Electronic Angle Grinder**  
WEPF 15-150 Quick



**6" Flat Head Paddle Switch Electronic Angle Grinder with Brake**  
WEPBF 15-150 Quick













Model:	WPF 18 LTX 125	WEF 9-125	WEPF 9-125	WEVF 10-125 Quick INOX	WEF 15-150 Quick	WEPF 15-150 Quick	WEPBF 15-150 Quick
Order No.: CORDED TOOL	----	613060420	613069420	613080420	613083420	613084420	613085420
Order No.: 8.0 LiHD Kit (ASC30-36 Charger + 2 LiHD 8.0 Ah Batteries)	US613070620	----	----	----	----	----	----
Order No.: BARE TOOL	613070860	----	----	----	----	----	----






Maximum wheel diameter	4 1/2" - 5"	4 1/2" - 5"	4 1/2" - 5"	4 1/2" - 5"	6"	6"	6"
Amps	---	8.0	8.0	9.5	13.5	13.5	13.5
No-load speed (RPM)	8,000	10,000	10,000	2,000-7,600	9,600	9,600	9,600
Minimum clearance	43° / 2-5/8"	43° / 2-5/8"	43° / 2-5/8"	43° / 2-5/8"	39° / 2-5/8"	39° / 2-5/8"	39° / 2-5/8"
Mechanical brake							•
Non-locking paddle switch	•		•			•	•
Toolless wheel change	•			•	•	•	•
Motor	18V Cordless	LongLife	LongLife	LongLife	LongLife	LongLife	LongLife
Side handle	Vibration dampened	Vibration dampened	Vibration dampened	Vibration dampened	MVT VibraTech	MVT VibraTech	MVT VibraTech
Electronic features:							
Variable speed dial				•			
Speed stabilization		TC	TC	VC	TC	TC	TC
Power interruption protection	•	•	•	•	•	•	•
Soft start feature	•	•	•	•	•	•	•
Overload protection	w/LED	•	•	w/LED	w/LED	w/LED	w/LED
Electronic safety clutch	•	•	•	•	•	•	•
Rotatable gear housing	•	•	•	•	•	•	•
Toolless, adjustable burst-proof guard w/ 7 stops	•	•	•	•	•	•	•
<b>Standard Equipment</b>							
Wheel guard	316055590	316055590	316055590	316055590	339204600	339204600	339204600
Side handle	316046590	316046590	316046590	316046590	314000970	314000970	314000970
Inner flange	341031290	341031290	341031290	341031290	341031290	341031290	341031290
Locking nut	341101480	341101480	341101480	316064690	316064690	316064690	316064690
Spanner wrench	623934000	623934000	623934000	623934000			
<b>Optional Equipment</b>							
Type 1 cutting guard	630355000	630355000	630355000	630355000	630378000	630378000	630378000

# Increase Productivity with Metabo's Unique Flat Head Angle Grinder Accessories









SPECIALTY WHEELS	Grit	Size	Pcs./ Pkg.	Order No.
 <b>Flexiamant Super Convex CER</b> Extreme performance ceramic steel/stainless steel/heat sensitive materials <b>contaminant free</b>	P 60	5 x 7/8 6 x 7/8	10	626460000 626488000
	P 80	5 x 7/8 6 x 7/8	10	626461000 626489000
 <b>Flexiamant Super Convex ZK</b> High performance zirconia alumina steel/stainless steel <b>contaminant free</b>	P 40	5 x 7/8 6 x 7/8	10	626462000 626490000
	P 60	5 x 7/8 6 x 7/8	10	626463000 626491000
	P 80	5 x 7/8 6 x 7/8	10	626464000 626492000
 <b>Non-woven Fleece VKS ZK</b> Shapeable disc precise cleaning of weld seams steel/stainless steel	coarse	5 x 7/8	5	626482000
	medium	5 x 7/8	5	626483000

GRINDING WHEELS	Spec.	Size	Pcs./ Pkg.	Order No.
 <b>Original Long Life Grinding Wheel</b> Type 27 Steel	A 24 R	5 x 1/4 x 7/8 6 x 1/4 x 7/8	25	616308000 616319000
 <b>Plus Grinding Wheel</b> Type 27 Aluminum	A 36 M	5 x 1/4 x 7/8	25	616749000
 <b>Plus-Z (Zirconia) Grinding Wheel</b> Type 27 Steel/Stainless Steel	ZA24T	6 x 1/4 x 7/8	25	616787000
 <b>M-Calibur (Ceramic) Grinding Wheel</b> Type 27 Steel/Stainless Steel Stainless Steel	CA46U	5 x 1/4 x 7/8 6 x 1/4 x 7/8	10	US616291000 US616292000
 <b>"Combinator" Type 27</b> Cutting & Grinding Steel/Stainless	A 46 U	5 x 5/64 x 7/8 6 x 5/64 x 7/8	25	616501420 616502420
 <b>Pipeline Wheel Type 27</b> Cutting/Notching/Grinding Steel/Stainless Steel	A 24 T	5 x 1/8 x 7/8 6 x 1/8 x 7/8	25	655287000 655285000
 <b>Stringer Bead Wire Wheel Knotted</b>	.020 Carbon Steel	4-1/2 x 3/16 x 5/8-11 5 x .020 x 3/16 x 7/8 6 x .020 x 15/64 x 7/8	5 5 1	655228005 655229005 626816000



Other Accessories	Description	Details	Order No.
	<b>5" Type 1 Cutting Guard</b>		630355000 fits 5" WEPF9-125, WEF9-125
	<b>5" Type 1 Cutting Guard</b>	Comply with OSHA/ANSI B7.1 regulations	630372000 fits 5" WEVF10-125
	<b>6" Type 1 Cutting Guard</b>		630378000 fits all 6"
	<b>Multiple Position Handle</b>	Allows for infinite adjustment of the ergonomic side handle	627362000
	<b>Dust Protection Filter</b>	Protects motor components from harmful particles; aluminum, cloth from fiber discs and polishing fibers. Quick, tool free installation and removal	630719000 for use with slide switch grinders  630792000 for use with paddle switch grinders








Not compatible with WEF9 / WEPF9-125 / Drop Secure Grinders






TYPE 1 CUTTING WHEELS	Spec.	Size	Pcs./ Pkg.	Order No.
 <b>Original Slicer</b> Fastest Cut/Flexible Steel/Stainless Steel	A 60 TZ	5 x .040 x 7/8 6 x .040 x 7/8	50	655334000 655339000
 <b>Original Long Life Slicer</b> Long Life/Tough Steel/Stainless Steel	A 60 XL	5 x .045 x 7/8 6 x .045 x 7/8	50	655335000 655344000
 <b>Slicer Plus</b> Aggressive/Cool Cutting Steel/Stainless Steel	A 60 TX	5 x .045 x 7/8 6 x .045 x 7/8	50	655993000 655998000
 <b>Super Slicer Heavy Duty</b> , Contaminant Free, Steel/Stainless Steel, High Tensile Alloy	A60XP	5 x .045 x 7/8 6 x .045 x 7/8	50	655992000 655995000
 <b>M-Calibur (Ceramic) Extreme Heavy Duty</b> Ceramic, Contaminant Free, Steel/Stainless Steel, High Tensile Alloy	CA46U	6 x 1/16 x 7/8	25	US616287000
 <b>M-Calibur (Ceramic) Extreme Heavy Duty</b> Ceramic, Contaminant Free, Steel/Stainless Steel, High Tensile Alloy	CA46U	6 x .045 x 7/8	25	US616284000

# Increase Productivity with Metabo's Unique Flat Head Angle Grinder Accessories









SPECIALTY WHEELS	Grit	Size	Pcs./ Pkg.	Order No.
 <b>Flexiamant Super Convex CER</b> Extreme performance ceramic steel/stainless steel/heat sensitive materials <b>contaminant free</b>	P 60	5 x 7/8 6 x 7/8	10	626460000 626488000
	P 80	5 x 7/8 6 x 7/8	10	626461000 626489000
 <b>Flexiamant Super Convex ZK</b> High performance zirconia alumina steel/stainless steel <b>contaminant free</b>	P 40	5 x 7/8 6 x 7/8	10	626462000 626490000
	P 60	5 x 7/8 6 x 7/8	10	626463000 626491000
	P 80	5 x 7/8 6 x 7/8	10	626464000 626492000
 <b>Non-woven Fleece VKS ZK</b> Shapeable disc precise cleaning of weld seams steel/stainless steel	coarse	5 x 7/8	5	626482000
	medium	5 x 7/8	5	626483000

GRINDING WHEELS	Spec.	Size	Pcs./ Pkg.	Order No.
 <b>Original Long Life Grinding Wheel</b> Type 27 Steel	A 24 R	5 x 1/4 x 7/8 6 x 1/4 x 7/8	25	616308000 616319000
 <b>Plus Grinding Wheel</b> Type 27 Aluminum	A 36 M	5 x 1/4 x 7/8	25	616749000
 <b>Plus-Z (Zirconia) Grinding Wheel</b> Type 27 Steel/Stainless Steel	ZA24T	6 x 1/4 x 7/8	25	616787000
 <b>M-Calibur (Ceramic) Grinding Wheel</b> Type 27 Steel/Stainless Steel Stainless Steel	CA46U	5 x 1/4 x 7/8 6 x 1/4 x 7/8	10	US616291000 US616292000
 <b>"Combinator" Type 27</b> Cutting & Grinding Steel/Stainless	A 46 U	5 x 5/64 x 7/8 6 x 5/64 x 7/8	25	616501420 616502420
 <b>Pipeline Wheel Type 27</b> Cutting/Notching/Grinding Steel/Stainless Steel	A 24 T	5 x 1/8 x 7/8 6 x 1/8 x 7/8	25	655287000 655285000
 <b>Stringer Bead Wire Wheel Knotted</b>	.020 Carbon Steel	4-1/2 x 3/16 x 5/8-11 5 x .020 x 3/16 x 7/8 6 x .020 x 15/64 x 7/8	5 5 1	655228005 655229005 626816000

Other Accessories	Description	Details	Order No.
	<b>5" Type 1 Cutting Guard</b>		630355000 fits 5" WEPF9-125, WEF9-125
	<b>5" Type 1 Cutting Guard</b>	Comply with OSHA/ANSI B7.1 regulations	630372000 fits 5" WEVF10-125
	<b>6" Type 1 Cutting Guard</b>		630378000 fits all 6"
	<b>Multiple Position Handle</b>	Allows for infinite adjustment of the ergonomic side handle	627362000
	<b>Dust Protection Filter</b>	Protects motor components from harmful particles; aluminum, cloth from fiber discs and polishing fibers. Quick, tool free installation and removal	630719000 for use with slide switch grinders  630792000 for use with paddle switch grinders

Not compatible with WEF9 / WEPF9-125 / Drop Secure Grinders

TYPE 1 CUTTING WHEELS	Spec.	Size	Pcs./ Pkg.	Order No.
 <b>Original Slicer</b> Fastest Cut/Flexible Steel/Stainless Steel	A 60 TZ	5 x .040 x 7/8 6 x .040 x 7/8	50	655334000 655339000
 <b>Original Long Life Slicer</b> Long Life/Tough Steel/Stainless Steel	A 60 XL	5 x .045 x 7/8 6 x .045 x 7/8	50	655335000 655344000
 <b>Slicer Plus</b> Aggressive/Cool Cutting Steel/Stainless Steel	A 60 TX	5 x .045 x 7/8 6 x .045 x 7/8	50	655993000 655998000
 <b>Super Slicer Heavy Duty</b> , Contaminant Free, Steel/Stainless Steel, High Tensile Alloy	A60XP	5 x .045 x 7/8 6 x .045 x 7/8	50	655992000 655995000
 <b>M-Calibur (Ceramic) Extreme Heavy Duty</b> Ceramic, Contaminant Free, Steel/Stainless Steel, High Tensile Alloy	CA46U	6 x 1/16 x 7/8	25	US616287000
 <b>M-Calibur (Ceramic) Extreme Heavy Duty</b> Ceramic, Contaminant Free, Steel/Stainless Steel, High Tensile Alloy	CA46U	6 x .045 x 7/8	25	US616284000





**CORDED**  
**Variable Speed High Torque**  
**Dry Polisher**  
 PE 15-20 RT



**CORDED**  
**Variable Speed High Torque**  
**Dry Polisher**  
 PE 15-30



**PWE 11-100**  
**Variable Speed High**  
**Torque Wet Polisher**

Model	PE 15-20 RT 615200420	PE 15-30 615300420
Maximum pad diameter	7"	7"
Double insulated	•	•
Electronic features:		
Speed stabilization	Vario-tacho-constamatic (VTC)	
Power interruption protection	•	•
Overload protection	•	•
Soft start feature	•	•
Restart protection	•	•
Electronic winding temperature monitor with LED display	•	•
Winding protection grid	•	•
Planetary gearing	•	•
Variable speed controlled by adjusting dial	•	•
Auto-stop carbon brushes	•	•
No-load speed (RPM)	300-1,900 RPM	800-3,000 RPM
Amps	13	13
Rated input watts	1,500	1,550
Spindle thread	5/8"-11	5/8"-11
Carrying case		
<b>Standard equipment:</b>		
Side handle	314000540	
Loop handle		•
<b>Optional equipment:</b>		
5" soft backing pad	655141000	655141000
5" medium backing pad	655129000	655129000
5" hard backing pad	623298000	623298000
7" hard backing pad	655143000	655143000

Model	PWE 11-100 602050420
Vario tacho constamatic (VTC) electronics	•
Low profile aluminum die-cast gear housing	•
Housing cover to protect surfaces	•
Splash proof ventilation slots	•
Water supply through spindle	•
Motor	LongLife
Standard 1/2" quick connect	•
Ergonomic adjustable D-handle	•
Electronic winding temperature monitor with LED display	•
GFCI included for electrical safety	•
Auto-stop carbon brushes	•
Electronic soft start feature	•
Electronic speed stabilization	•
Maximum torque	34 inch lbs.
Backing pad size	4"-5"
No Load speed (RPM)	1,700-5,400
Amps	9.6
Rated input watts	1,100
Spindle thread	5/8"-11
<b>Standard equipment:</b>	Loop handle (343399690)
<b>Optional equipment:</b>	Tool Bag (657006000)



Backing pad not included on above tools









03



## Abrasives

- Abrasives engineered to maximize the performance of Metabo power tools
- Large selection of wheels to match your application
- Premium quality and performance abrasives, made in the US and Germany, exceeding all international standards for performance and safety



# Boost performance with

For Highest Performance, Productivity and Safety...

## HEAVY DUTY

Fast and reliable results

## SUPER DUTY

Longer life, improved productivity

## EXTREME DUTY

Unstoppable, unmatched productivity

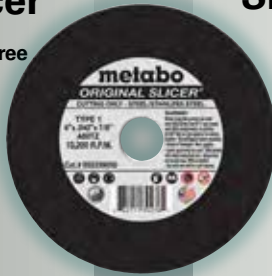
Cutting

### Original Slicer

Fast, cool cutting, burr free

- Ferrous metal
- Steel / Stainless
- Bar stock
- Sheet metal

Aluminum Oxide



### Slicer Plus

Fast cutting, long life, most versatile

- Thicker sectional cuts
- Ferrous metal
- Steel / Stainless
- Hard alloys
- Heavy wall pipe
- Angle iron

Engineered Aluminum Oxide



### Ceramic M-Calibur

Extremely fast, longest life, toughest conditions, lowest total cost

- Hardened steel / Stainless
- Tough alloys
- High tensile alloys
- Hastalloys
- Inconels
- Titanium

Contaminant Free Pure Ceramic Alumina



Material Removal & Finishing

### Original Grinding

High removal rate

- Ferrous metal
- Steel / Stainless

Aluminum Oxide



### Plus-Z Grinding

Aggressive high stock removal rate, long life, cool grinding, most versatile

- Ferrous metal
- Steel / Stainless
- Heat sensitive material

Micro-Fracture Proprietary Blend



### Ceramic M-Calibur

Extreme removal, longest life, lowest total cost

- Hardened steel / Stainless
- Tough alloys
- High tensile alloys
- Hastalloys
- Inconels
- Titanium

Contaminant Free Ceramic Alumina



### Original Flapper

Fast stock removal, one step blending and finishing

- Steel / Stainless

Contaminant Free



### Flapper Plus

Aggressive stock removal, long life, most versatile, one step blending and finishing, cool grinding

- Steel / Stainless
- Heat sensitive material
- Glaze resistant

Contaminant Free



### Ceramic Flapper

High performance, cool grinding and finishing

- Hardened metals
- Stainless steel
- High tensile alloys
- Hastalloys
- Inconels
- Titanium
- Heat sensitive material

Contaminant Free Ceramic Alumina



# "The Metabo System"

Pair Metabo Angle Grinders and Abrasives

**HEAVY  
DUTY**

Fast and reliable results

**SUPER  
DUTY**

Longer life, improved productivity

**EXTREME  
DUTY**

Unstoppable, unmatched productivity

## BOOST PERFORMANCE WITH METABO OPTIMIZED SYSTEMS

**HIGH POWER  
GRINDERS**



**MADE IN GERMANY**

Metabo abrasives are optimized to perform best with Metabo Grinders

## Safety Tips:

Even the world's best abrasive wheels need to be used safely. Here are some do's and do not's every operator should follow:

### "Do's and Don'ts"

#### Do:

1. Always handle and store wheels carefully.
2. Visually inspect all wheels for possible damage before mounting.
3. Make sure the tool's operating speed never exceeds the wheel speed.
4. Always check mounting flanges for equal and correct diameter.
5. Use mounting blotters when they're supplied with wheels.
6. Make absolutely sure work rest (where required) is properly adjusted (no more than 1/8" away from wheel.)
7. Always use a safety guard covering at least half of the grinding wheel.
8. Always run newly mounted wheels at full operating speed (with guard in place) for at least one minute before grinding.
9. Always wear safety glasses and appropriate face protection when grinding.
10. Always turn coolant off before stopping wheel, to avoid an out-of-balance condition.

#### Don't:

1. Don't use a wheel that has been dropped.
2. Don't force a wheel onto the tool or alter the size of the mounting hole. If the wheel won't fit the tool, get one that will.
3. Don't ever exceed the maximum operating speed established for the wheel.
4. Don't use mounting flanges that are not clean, flat and designed for the wheel being used.
5. Don't tighten the mounting nut excessively.
6. Don't grind on the side of the wheel. (See ANSI B7.1 for exceptions).
7. Don't start the tool until the wheel guard is in place.
8. Don't jam work into the wheel.
9. Don't stand directly in front of a grinding wheel when a grinder is started.
10. Don't grind material for which the wheel is not designed.





# Metabo Cutting Wheels



## Manufacturing standard

### Safety guide

- Use ear protection
- Use safety rated glasses
- Use dust mask
- Use protective gloves
- Do not use on a bench grinder
- Do not use for grinding
- Limitations of usage

- Order number
- Dimensions
- Size
- Max. Speed recommended
- Formulation

Application

## Product specifications

### Specification:

The combination of letters and numbers is the genetic code of the grinding wheel.

### Abrasive:

- A Aluminium Oxide
  - For general processing of metal

### ZA Zirconia Alumina

- Special discs for metal processing

### C Silicon carbide

- For processing stone

### CA Ceramic

- Special discs for processing stainless steel and metal

### Grit

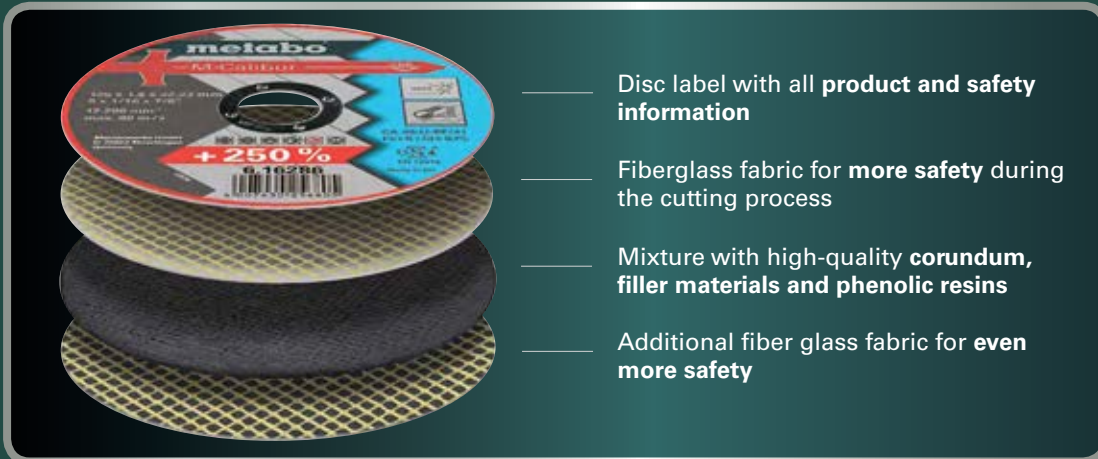
The higher the number, the finer the grit. We use grain sizes of 16 – 60 for cutting and grinding discs:

- 16 – 24 coarse
- 30 – 60 medium

### Hardness

The hardness of a grinding tool is coded alphabetically:

ABC ...	NOP ...	RST ... Z
Very soft	Soft	hard Very hard



Disc label with all **product and safety information**

Fiberglass fabric for **more safety** during the cutting process

Mixture with high-quality **corundum, filler materials and phenolic resins**

Additional fiber glass fabric for **even more safety**

## HEAVY DUTY

Fast and reliable results

## SUPER DUTY

Longer life, improved productivity

## EXTREME DUTY

Unstoppable, unmatched productivity

### Original Slicer

Fast, cool cutting, burr free



### Slicer-Plus

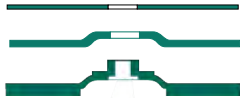
Fast cutting, long life, most versatile



### Ceramic Cutting

Extremely fast, longest life, toughest conditions, lowest total cost





### Type 1 and 27 Cutting Wheels

NOTE: Numbers in parenthesis ( ) are for when Type 27 wheel specs are different

TYPE 1 Order #	TYPE 27 Order #	Size	Max. RPM	Pcs/Pkg
----------------	-----------------	------	----------	---------

#### Original - A60TZ - Steel / Stainless Steel

- Aluminum oxide wheel for steel and other ferrous metals. Extremely fast rate of cut. Good wheel life. Flexibility for flush cutting.

HEAVY DUTY



TYPE 1 Order #	TYPE 27 Order #	Size	Max. RPM	Pcs/Pkg
655348000		2 X .035 X 3/8	30,558	100
655316000		3 X .040 X 1/4	25,000	100
655317000		3 X .040 X 3/8	25,000	100
655358000		3 X 1/16 X 1/4	25,000	100
655321000		3 X 1/16 X 3/8	25,000	100
655322000		4 X .040 X 1/4	22,000	50
655323000		4 X .040 X 3/8	22,000	50
655324000		4 X .040 X 5/8	22,000	50
655328000		4 X 1/16 X 3/8	19,000	100
655330000		4 X 1/16 X 5/8	19,000	100
655331000	655346000	4 1/2 x .040 (.045) x 7/8	15,000 (13,300)	100 (50)
	655346421	4 1/2 x .045 x 5/8-11	13,300	50
655334000	655353000	5 x .040 (.045) x 7/8	12,225	50
655999000		6 X .040 X 3/8	14,000	50
655338000		6 X .040 X 5/8	10,200	50
655339000	655347000	6 x .040( .045) x 7/8	10,200	50
	655347421	6 X .045 X 5/8-11		50

#### Original - A30R - Steel

- Aluminum oxide general purpose wheel for heavier working conditions for steel and other ferrous metals. Very fast rate of cut. Good wheel life.

HEAVY DUTY



TYPE 1 Order #	TYPE 27 Order #	Size	Max. RPM	Pcs/Pkg
655733000		5 X 1/16 x 7/8	12,225	50

#### Long Life - A36XL / A60XL - Steel / Stainless Steel

- Engineered aluminum oxide wheel for long life in tough applications: thin wall pipe/tube, as well as solids.

HEAVY DUTY



TYPE 1 Order #	TYPE 27 Order #	Size	Max. RPM	Pcs/Pkg
655318000 (A36XL)		3 X 1/16 X 1/4	25,000	100
655320000 (A36XL)		3 X 1/16 X 3/8	25,000	100
616321000 (A36XL)		3 X 1/8 X 3/8	25,000	100
655325000 (A36XL)		4 X 1/16 X 1/4	19,000	100
655327000 (A36XL)		4 X 1/16 X 3/8	19,000	100
655329000 (A36XL)		4 X 1/16 X 5/8	19,000	100
655332000 (A60XL)	655349000 (A60XL)	4 1/2 x .045 (1/16) x 7/8	15,000 (13,300)	100 (50)
655335000 (A60XL)	655355000 (A60XL)	5 x .045 (1/16) x 7/8	12,225	50
655344000 (A60XL)	655350000 (A60XL)	6 x .045 (1/16) x 7/8	10,200	50
655342000 (A60XL)		6 X 1/16 X 5/8	10,200	25



## Type 1 and 27 Cutting Wheels

NOTE: Numbers in parenthesis ( ) are for when Type 27 wheel specs are different

**SUPER DUTY**



### Plus - A60TX - Steel / Stainless Steel

■ **Super Duty** performance on stainless steel applications. Premium zirconia proprietary blend.

TYPE 1 Order #	TYPE 27 Order #	Size	Max. RPM	Pcs/Pkg
655996000		4 x .045 x 5/8	15,000	50
655997000	655351000	4 1/2 x .045 x 7/8	15,000 (13,300)	50
	655351421	4 1/2 x .045 x 5/8-11	13,300	50
655993000	655357000	5 x .045 x 7/8	12,225	50
655998000	655352000	6 x .045 x 7/8	10,200	50
	655352421	6 x .045 x 5/8-11		50

**SUPER DUTY**



### Super - A60XP - Steel / Stainless Steel

■ **Contaminant free, Super Duty** wheel for steel and stainless steel applications with a long wheel life.

TYPE 1 Order #	TYPE 27 Order #	Size	Max. RPM	Pcs/Pkg
655450000		3 X .040 X 3/8	25,000	50
655451000		3 X 1/16 X 3/8	25,000	100
655452000		4 X .040 X 3/8	19,000	50
655994000	655897000	4 1/2 x .045 x 7/8	15,000 (13,300)	50
655992000	655898000	5 x .045 x 7/8	12,225	50
655995000	655899000	6 x .045 x 7/8	10,200	50

## Ceramic Type 1 and 27 Cutting Wheels

Contaminant Free < 0.1% Iron, Sulfur and Chlorine



**EXTREME DUTY**



### M-Calibur - CA46U - Steel / Stainless Steel / High Tensile Alloy

■ **Contaminant free Extreme Duty** ceramic wheel for steel and stainless steel. Extremely long wheel life.

TYPE 1 Order #	TYPE 27 Order #	Size	Max. RPM	Pcs/Pkg
US616280000	US616272000	4 1/2 X .045 X 7/8	13,300	25
US616285000		4 1/2 X 1/16 X 7/8	13,300	25
US616284000	US616274000	6 X .045 X 7/8	10,200	25
US616287000		6 X 1/16 X 7/8	10,200	25



## Type 1 and 27 Cutting Wheels for Aluminum

**SUPER DUTY**



### Plus-Alu - A46N - Aluminum

■ **Super Duty** speciality wheel for enhanced performance on aluminum.

TYPE 1 Order #	TYPE 27 Order #	Size	Max. RPM	Pcs/Pkg
655811000	655821000	4-1/2 X .040 X 7/8	13,000	50
655812000	655822000	5 X .040 X 7/8	12,300	50
655813000	655823000	6 X .040 X 7/8	10,200	50
655814000	655824000	7 X .040 X 7/8	8,500	50



## Type 1 Cutting Wheels for Circular Saws

**HEAVY DUTY**



### Original - A30S - Steel / Stainless Steel

- Aluminum oxide wheels for steel, other ferrous metals and rail track. Good rate of cut. Longer wheel life.

Order #	Size	Max. RPM	Pcs/Pkg
616333000	7 X 1/8 X 5/8 DM	8,500	10



## Type 27 Cutting Wheels and Speciality Wheels

**HEAVY DUTY**



### Original - A30R - Steel

- Aluminum oxide general purpose wheel for heavier working conditions for steel and other ferrous metals. Very fast rate of cut. Good wheel life.

Order #	Size	Max. RPM	Pcs/Pkg
US616727000	4-1/2 X 3/32 X 7/8	13,300	25
655727000	4-1/2 X 3/32 X 5/8-11	13,300	25
655310000	5 X 3/32 X 5/8-11	12,300	25
US616313000	6 X 1/8 X 7/8	10,200	25
655313000	6 X 1/8 X 5/8-11	10,200	25
655300000	7 X 1/8 X 5/8-11	8,500	10
616302000	9 X 1/8 X 7/8	6,600	10
655302000	9 X 1/8 X 5/8-11	6,600	10

**SUPER DUTY**



### Plus - A46TZ - Steel / Stainless Steel

- Aluminum oxide general purpose wheel for steel and other ferrous metals. Aggressive cut. Excellent wheel life. Premium zirconia proprietary blend.

Order #	Size	Max. RPM	Pcs/Pkg
655801000	7 X 1/16 X 7/8	8,500	10
655797000	9 X 1/16 X 7/8	6,600	10
655799000	9 X 1/16 X 5/8-11	6,600	10



### Type 27 Pipeline Grinding/Notching/Cutting Wheels

Order #	Size	Max. RPM	Pcs/Pkg
---------	------	----------	---------

**HEAVY DUTY**



#### Long Life - A24T - Steel / Stainless Steel

- Aluminum oxide general purpose wheel for steel and other ferrous metals. Extremely long wheel life.

616281420	4-1/2 X 1/8 X 7/8	13,300	25
655281000	4-1/2 X 1/8 X 5/8-11	13,300	25
655287000	5 X 1/8 X 7/8	12,300	25
655288000	5 X 1/8 X 5/8"-11	12,300	25
655285000	6 X 1/8 X 7/8	6,600	10
655282000	7 X 1/8 X 5/8-11	8,500	10
655284000	9 X 1/8 X 5/8-11	6,600	10

**SUPER DUTY**



#### Plus-Z - ZA24T - Steel / Stainless Steel

- Zirconia alumina wheels for steel and stainless steel applications. Very aggressive stock removal. Extremely long wheel life.

655792000	4-1/2 X 1/8 X 5/8-11	13,300	25
616794420	6 X 1/8 X 7/8	10,200	25
655794000	6 X 1/8 X 5/8-11	10,200	25
655795000	7 X 1/8 X 5/8-11	8,500	10



### Type 27 Combinator: Cutting & Grinding with the Same Wheel

Order #	Size	Max. RPM	Pcs/Pkg
---------	------	----------	---------

**HEAVY DUTY**



#### Combinator - A46U - Steel/Stainless Steel

- Aluminum oxide, **contaminant free** for stainless steel and other ferrous metals. Extremely long wheel life, and fast cut.

616500420	4-1/2 X 5/64 X 7/8	13,300	25
616501420	5 X 5/64 X 7/8	12,300	25
616502420	6 X 5/64 X 7/8	10,200	25



### Type 1 Cutting Wheels for Chop Saws

Order #	Size	Max. RPM	Pcs/Pkg	Formula	Wheel
---------	------	----------	---------	---------	-------

**HEAVY DUTY**



#### Original - A24M

- Aluminum oxide wheels for general purpose use on steel and other ferrous metals larger chop saw applications. Excellent rate of cut. Good wheel life.

#### Original - A30P

- Aluminum oxide wheels constructed with a single internal reinforcement and an aggressive cool cutting formulation best for cutting smaller diameter metals or metal studs.

#### Original Long Life - A30R

- Aluminum oxide wheels for general purpose use on steel and other ferrous metals. Good rate of cut. Good wheel life.

#### Original Long Life - A30S

- Aluminum oxide wheels specially formulated for dry wall stud applications. Good rate of cut. Good wheel life.

616340000	14 X 3/32 X 1	4,300	10	A24M	Original
655236000	14 X 3/32 X 1 Internal Reinforced	4,300	10	A30P	Original
616215000	16 X 3/32 X 1	3,820	10	A24M	Original
616337420	12 X 3/32 X 1	5,100	10	A30R	Original Long Life
616146000	14 X 3/32 X 1	4,300	10	A30S	Original Long Life
US616338000	14 X 3/32 X 1	4,300	10	A30R	Original Long Life

## Type 1 Cutting Wheels for High Speed Saws

**HEAVY  
DUTY**



Order #	Size	Max. RPM	Pcs/Pkg	Formula	Wheel
---------	------	----------	---------	---------	-------

### Original - A24N

- Aluminum oxide wheels general purpose for steel and other ferrous metals. Fast rate of cut. Good wheel life.

### Original Long Life - A30S

- Aluminum oxide wheels for steel, other ferrous metals and rail track. Good rate of cut. Longer wheel life.

### Original - C24N

- Silicon carbide general purpose wheel for stone, concrete, cast iron, ductile iron, masonry materials, non-ferrous metals, brass, bronze, plastic, etc. Fast rate of cut. Good wheel life.

### Plus - AC24R

- Aluminum oxide and Silicon carbide combination wheel specially formulated for ductile iron. Excellent rate of cut. Excellent wheel life. Smooth and chatter free cutting.

US616136000	12 X 1/8 X 20mm	6,400	10	A24N	Original
616159000	14 X 1/8 X 1	5,400	10	C24N	Original
616140000	14 X 1/8 X 20mm	5,460	10	A24N	Original
616160000	14 X 1/8 X 20mm	5,460	10	C24N	Original
616149000	14 X 1/8 X 1	5,400	10	AC24R	Plus
616142000	14 X 1/8 X 20mm	5,460	10	AC24R	Plus

655172000 Reduced bushing from 1" to 20mm

## Type 1 Cutting Wheels for Stationary Saws

**HEAVY  
DUTY**



Order #	Size	Max. RPM	Pcs/Pkg	Formula	Wheel
---------	------	----------	---------	---------	-------

### Original - A30N

- Aluminum oxide wheels are specially formulated for high powered tools to cut steel and other ferrous metals. Excellent rate of cut. Good wheel life

### Original Long Life - A30R

- Aluminum oxide wheels specially formulated for high powered tools to cut steel and other ferrous metals. Fast rate of cut. Longer wheel life.

### Original Long Life - A30S

- Aluminum oxide wheels for steel, other ferrous metals and rail track. Good rate of cut. Longer wheel life.

### Plus - A30V

- Aluminum oxide wheels are specially formulated for high powered tools to cut steel and other ferrous metals. Good rate of cut. Excellent wheel life.

616365000	20 X 3/16 X 1	4,800	5	A30N	Original
616203000	14 X 1/8 X 1	4,400	10	A30S	Original Long Life
616366000	20 X 3/16 X 1	3,000	5	A30R	Original Long Life
616367000	20 X 3/16 X 1	3,000	5	A30V	Plus



# Metabo Grinding Wheels



## HEAVY DUTY

Fast and reliable results

### Original

High removal rate



## SUPER DUTY

Longer life, improved productivity

### Plus-Z Grind

Aggressive high stock removal rate, long life, cool grinding, most versatile



## EXTREME DUTY

Unstoppable, unmatched productivity

### Ceramic M-Calibur

Extreme removal, longest life, lowest total cost





Available in a wide range of sizes; 3" to 9" diameter in Type 27 depressed center wheels.



### Type 27 Depressed Center Grinding Wheels Steel, Stainless Steel

Order #	Size	Max. RPM	Pcs/Pkg
---------	------	----------	---------

**HEAVY DUTY**



#### Original - A24N - Steel

■ Aluminum oxide general purpose wheel for grinding steel and other ferrous metals in normal working conditions. High stock removal. Good wheel life.

US616726000	4-1/2 X 1/4 X 7/8	13,300	25
655726000	4-1/2 X 1/4 X 5/8-11	13,300	25
655730000	5 X 1/4 X 5/8-11	12,300	25
US616554000	6 X 1/4 X 7/8	10,200	25
655554000	6 X 1/4 X 5/8-11	10,200	25
616560000	7 X 1/4 X 7/8	8,500	25
655560000	7 X 1/4 X 5/8-11	8,500	10
US616572000	9 X 1/4 X 7/8	6,600	25
655572000	9 X 1/4 X 5/8-11	6,600	10

**HEAVY DUTY**



#### Long Life - A24R - Steel

■ Aluminum oxide general purpose wheel for grinding steel and other ferrous metals in normal working conditions. High stock removal. Long wheel life.

616330000	4 X 1/4 X 5/8	15,300	25
616307000	4-1/2 X 1/4 X 7/8	13,300	25
655307000	4-1/2 X 1/4 X 5/8-11	13,300	25
616308000	5 x 1/4 x 7/8	12,300	25
655308000	5 X 1/4 X 5/8-11	12,300	25
616319000	6 X 1/4 X 7/8	10,200	25
655319000	6 X 1/4 X 5/8-11	10,200	25
616782000	7 X 1/4 X 7/8	8,500	10
655782000	7 X 1/4 X 5/8-11	8,500	10
655784000	9 X 1/4 X 5/8-11	6,600	10

**SUPER DUTY**



#### Plus-Z - ZA24T - Steel / Stainless Steel

■ Zirconia alumina wheels for steel and stainless steel applications. Very aggressive stock removal. Extremely long wheel life.

616785000	4-1/2 X 1/4 X 7/8	13,300	25
655785000	4-1/2 X 1/4 X 5/8-11	13,300	25
616787000	6 X 1/4 X 7/8	10,200	25
655787000	6 X 1/4 X 5/8-11	10,200	25
655788000	7 X 1/4 X 5/8-11	8,500	10
655789000	9 X 1/4 X 5/8-11	6,600	10



## Type 27 Grinding Wheels for Stainless Steel

Contaminant Free < 0.1% Iron, Sulfur and Chlorine

Order #	Size	Max. RPM	Pcs/Pkg
---------	------	----------	---------

**SUPER  
DUTY**



### Super - A360 - Steel / Stainless Steel / High Tensile Alloy

- Contaminant free, Super Duty aluminum oxide wheel specially formulated for harder metals such as stainless steel. Good stock removal. Good wheel life.

616739000	4-1/2 x 1/4 x 7/8	13,300	25
US616747000	5 x 1/4 x 7/8	12,300	25
US616604000	6 X 1/4 X 7/8	10,200	25
655610000	7 X 1/4 X 5/8-11	8,500	10

**EXTREME  
DUTY**



### M-Calibur - CA46U - Steel / Stainless Steel / High Tensile Alloy

- Contaminant free, Extreme Duty ceramic wheel for steel and stainless steel. Extremely long wheel life.

US616290000	4-1/2 x 1/4 x 7/8	13,300	10
US655290000	4-1/2 x 1/4 x 5/8-11	13,300	10
US616291000	5 x 1/4 x 7/8	12,200	10
US616292000	6 x 1/4 x 7/8	10,200	10
US655292000	6 x 1/4 x 5/8-11	10,200	10



## Type 27 Specialty Grinding Wheels

Masonry, Aluminum

Order #	Size	Max. RPM	Pcs/Pkg
---------	------	----------	---------

**HEAVY  
DUTY**



### Original - C24N - Masonry / Non-Ferrous

- Silicon carbide general purpose wheel for stone, concrete, cast iron, ductile iron, masonry materials, non-ferrous metals, brass, bronze, etc. High stock removal. Good wheel life.

616729000	4-1/2 x 1/4 x 7/8	13,300	25
616660000	7 X 1/4 X 7/8	8,500	25
655660000	7 X 1/4 X 5/8-11	8,500	10

**SUPER  
DUTY**



### Plus - A36M - Aluminum

- Aluminum oxide wheel formulated for aluminum grinding applications. Good stock removal. Good wheel life. Non clogging capability.

655748000	4-1/2 X 1/4 X 5/8-11	13,300	25
616749000	5 x 1/4 x 7/8	12,300	25





## Type 11 Cup Wheels with Steel Backs for Angle Grinders



Order #	Size	Max. RPM	Pcs/Pkg	Formula
---------	------	----------	---------	---------

### A16Q

- Aluminum oxide general purpose wheel for grinding steel and other ferrous metals. High stock removal. Good wheel life.

### C16N

- Silicon carbide general purpose wheel for grinding stone, concrete, ductile iron, masonry materials, non-ferrous metals (brass, bronze, etc.) and cast iron. High stock removal. Good wheel life.

### ZA16

- Zirconia alumina for aggressive stock removal and extra long wheel life grinding steel and stainless steel.

616341119	4 x 3 x 2 x 5/8-11	9,000	10	A 16 Q
616342119	4 x 3 x 2 x 5/8-11	9,000	10	C 16 N
616343119	5 x 4 x 2 x 5/8-11	7,200	10	A 16 Q
616345119	6 x 4-3/4 x 2 x 5/8-11	6,000	10	A 16 Q
616347119	6 x 4-3/4 x 2 x 5/8-11	6,000	10	ZA 16 T

## GUARDS



Cup wheel guard and flange for mounting 4" - 6" Type 11 cup wheels on 7" - 9" angle grinders  
 Guards: **655174000** - 4"/5",  
**655178000** - 6".  
 Mounting flange **US90357006**



**623276000** Cup wheel guard for mounting 3 1/8" Type 6 cup wheels on 4 1/2" - 6" angle grinders

# Metabo Flap Discs and Resin Fiber Discs



## HEAVY DUTY

Fast and reliable results

Fast stock removal,  
one step blending  
and finishing



## SUPER DUTY

Longer life, improved productivity

Aggressive stock removal,  
long life, most versatile,  
one step blending  
and finishing,  
cool grinding



## EXTREME DUTY

Unstoppable, unmatched productivity

Extreme removal rate,  
longest life,  
lowest total cost





HEAVY DUTY

SUPER DUTY

EXTREME DUTY

# Flappers



**4-1/2"**

120 grit: special order, previous design

## Original Flapper

Fast stock removal, one step blending and finishing



- Steel / Stainless
- Ferrous metal
- High performance Zirconia blend
- Contaminant Free

Grit	7/8"			5/8"-11 (hubbed)		
	Type 29	Type 27	Pack	Type 29	Type 27	Pack
40	629405000	629467000	10	629401000	629464000	5
60	629406000	629468000	10	629402000	629465000	5
80	629407000	629469000	10	629403000	629466000	5
120	623178000		10	656455000		5

## Flapper Plus

Aggressive stock removal, long life, most versatile, one step blending and finishing, cool grinding



- Steel / Stainless
- Heat sensitive material
- Glaze resistant
- Premium Zirconia and high flap density for increased performance and longer life
- Contaminant Free

Grit	7/8"			5/8"-11 (hubbed)		
	Type 29	Type 27	Pack	Type 29	Type 27	Pack
36	629418000	629480000	10	629408000	629470000	5
40	629419000	629481000	10	629409000	629471000	5
60	629420000	629482000	10	629410000	629472000	5
80	629421000	629483000	10	629411000	629473000	5
120	656427000	656425000	10	656428000	656426000	5

## Flapper Plus **JUMBO**

Based on the flapper plus technology, this exceptional wheel contains 62% more flaps for unbeatable wheel life.



JUMBO vs. Standard

Grit	7/8"			5/8"-11 (hubbed)		
	Type 29	Type 27	Pack	Type 29	Type 27	Pack
40	629431000	629490000	5	629425000	629487000	5
60	629432000	629491000	5	629426000	629488000	5
80	629433000	629492000	5	629427000	629489000	5
120	656429000		10			

## Ceramic Flapper

Highest performance, cool operation



- Hardened metals
- Stainless steel
- High tensile alloys
- Hastalloys
- Inconels
- Titanium
- Heat sensitive material
- Contaminant Free
- Ceramic Alumina

Grit	7/8"		
	Type 29	Type 27	Pack
40	629437000	629493000	10
60	629438000	629494000	10
80	629439000	629495000	10

## Flapper Plus **Trimmable**



Grit	5/8"-11 (hubbed)	
	Type 29	Pack
40	629446000	5
60	629447000	5
80	629448000	5

## Ceramic Flapper **Trimmable**



Grit	5/8"-11 (hubbed)	
	Type 29	Pack
40	629455000	5
60	629456000	5
80	629457000	5

**Trimmable Flappers**

- Trimmable for longer life
- Increased flexibility of flap disc
- Integrated 5/8"-11 threading



**5"** Ceramic Flapper



Grit	7/8"	
	Type 29	Pack
40	629440000	10
60	629441000	10
80	629442000	10

**Flapper Plus *Trimnable***



Grit	5/8"-11 (Hubbed)	
	Type 29	Pack
40	629449000	5
60	629450000	5
80	629451000	5

**Ceramic Flapper *Trimnable***



Grit	5/8"-11 (hubbed)	
	Type 29	Pack
40	629458000	5
60	629459000	5
80	629460000	5

**6"** Flapper Plus



Grit	7/8"			5/8"-11 (hubbed)		
	Type 29	Type 27	Pack	Type 29	Type 27	Pack
40	629422000	629484000	10	629412000	629474000	5
60	629423000	629485000	10	629413000	629475000	5
80	629424000	629486000	10	629414000	629476000	5
120	656433000		10	656437000		5

**Ceramic Flapper**



Grit	7/8"		Pack
	Type 29	Type 27	
40	629443000	629499000	10
60	629444000	629500000	10
80	629445000	629501000	10

120 grit: special order, previous design

**Flapper Plus *Trimnable***



Grit	5/8"-11 (hubbed)	
	Type 29	Pack
40	629452000	5
60	629453000	5
80	629454000	5

**Ceramic Flapper *Trimnable***



Grit	5/8"-11 (hubbed)	
	Type 29	Pack
40	629461000	5
60	629462000	5
80	629463000	5

**7"** Original Flapper



Grit	5/8"-11 (hubbed)	
	Type 29	Pack
40	629404000	5

**Flapper Plus**



Grit	5/8"-11 (hubbed)		
	Type 29	Type 27	Pack
40	629415000	629477000	5
60	629416000	629478000	5
80	629417000	629479000	5

**Flapper Plus *JUMBO***

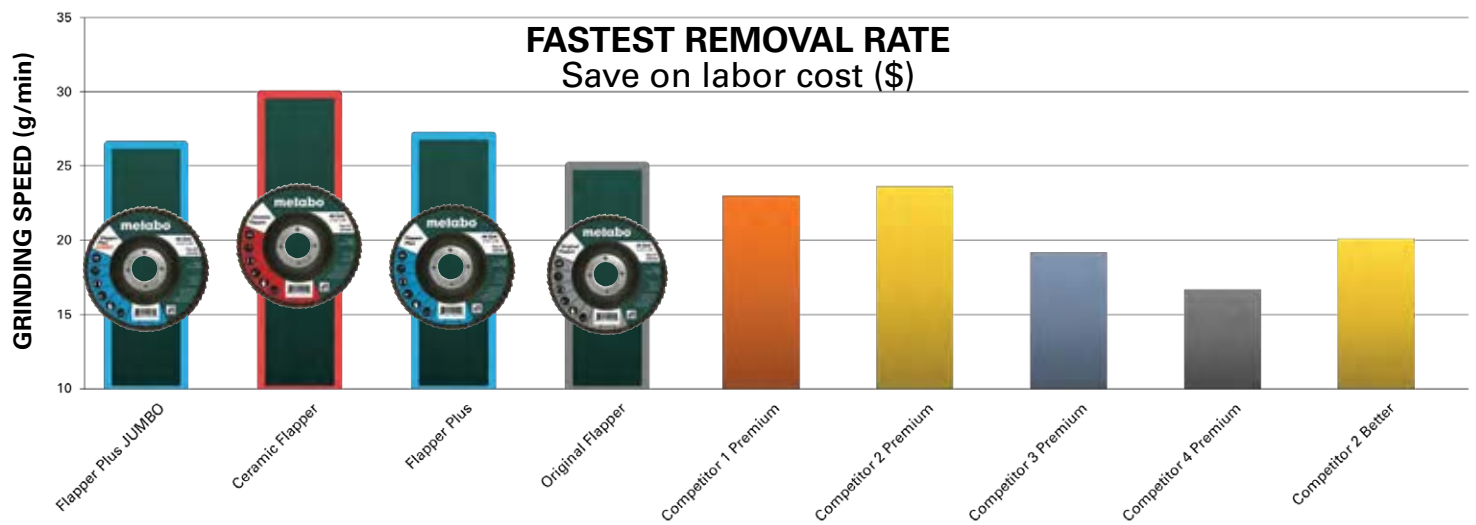
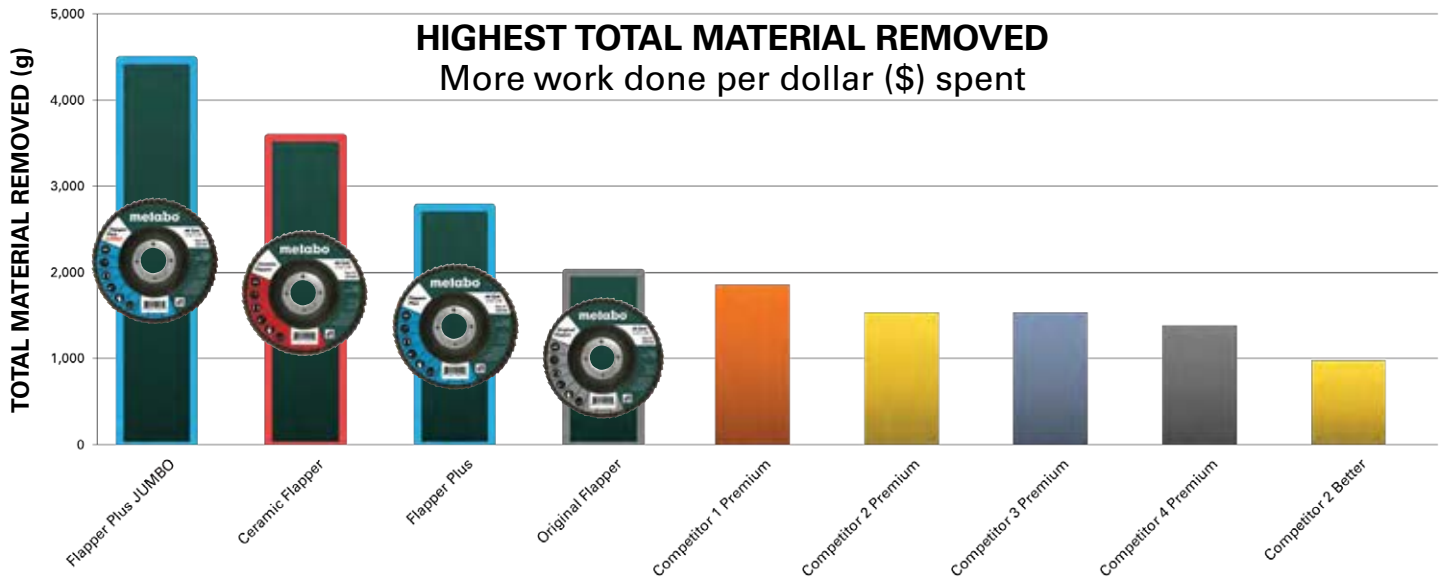


Grit	5/8"-11 (hubbed)	
	Type 29	Pack
40	629428000	5
60	629429000	5
80	629430000	5

**Ceramic Flapper**



Grit	5/8"-11 (hubbed)	
	Type 29	Pack
40	629434000	5
60	629435000	5
80	629436000	5



## BOOST PERFORMANCE WITH METABO OPTIMIZED SYSTEMS

**HIGH POWERED METABO GRINDER**



+



**MADE IN GERMANY**

Use the **WP 13-125 Quick** 4-1/2"-5" Angle Grinder with Metabo 4-1/2" Flappers for optimum performance

# SPEED-FLEX CERAMIC

Removal rate of a grinding wheel - Flexibility of a flap disc!



**AVAILABLE SIZES: 4-1/2", 5", 6", 7"**



7/8"			5/8"-11 (hubbed)		
Type 29	Pack	Size (36 GRIT)	Type 29	Pack	Size (36 GRIT)
655833000	25	4 1/2" Speed-Flex 36 7/8 T29 Fiberglass	655834000	10	4 1/2" Speed-Flex 36 5/8-11 T29 Fiberglass
655837000	25	5" Speed-Flex 36 7/8 T29 Fiberglass			
655841000	25	6" Speed-Flex 36 7/8 T29 Fiberglass	655842000	10	6" Speed-Flex 36 5/8-11 T29 Fiberglass
655845000	25	7" Speed-Flex 36 7/8 T29 Fiberglass	655846000	10	7" Speed-Flex 36 5/8-11 T29 Fiberglass

### WHAT MAKES UP THE SPEED-FLEX?

- Disc label with all **product and safety information**
- 3 layers of fiberglass fabric for **more safety** during the grinding process
- Resin fiber for **aggressive material removal**

### SURFACE FINISH QUALITY

**GRINDING WHEEL**

**FLAP WHEEL**

**SPEED-FLEX**





## Resin Fiber Abrasives Discs - Closed Coat

**Aluminum Oxide (A)** - General purpose disc for grinding steel and other ferrous metals. Good cutting rate and excellent life.

**Zirconia Alumina (ZA)** - Very aggressive stock removal on steel, stainless steel and other metal applications, extremely long life, cooler grinding.


**Ceramic Grain (CER)** - Offers extremely high removal rates and extreme longevity, especially when grinding Stainless Steels, Titanium, Inconel and Alloy Steels.





	Disc Size	Aluminum Oxide		Zirconia Alumina		Ceramic Grain	
		Grit	Slotted Order #	Grit	Non-Slotted Order #	Grit	Slotted Order #
623283000 13,000 RPM	4-1/2 x 7/8	A16	624135000	ZA16			
	4-1/2 x 7/8	A24	624136000	ZA24	656350000		
	4-1/2 x 7/8	A36		ZA36	656351000	CER36	626151000
	4-1/2 x 7/8	A40	624137000	ZA40			
	4-1/2 x 7/8	A50	624144000	ZA50	656352000		
	4-1/2 x 7/8	A60	624138000	ZA60	656353000	CER60	626152000
	4-1/2 x 7/8	A80	624139000	ZA80	656354000	CER80	626153000
	4-1/2 x 7/8	A100	624140000	ZA100			
	4-1/2 x 7/8	A120	624141000	ZA120			
	4-1/2 x 7/8	A150	624142000	ZA150			
	4-1/2 x 7/8	A180	624143000	ZA180			
	623284000 12,000 RPM	5 x 7/8	A16	624223000	ZA16		
5 x 7/8		A24	624218000	ZA24	656355000	CER24	626154000
5 x 7/8		A36		ZA36	656356000	CER36	626155000
5 x 7/8		A40	624219000	ZA40			
5 x 7/8		A50	624217000	ZA50	656357000		
5 x 7/8		A60	624220000	ZA60	656358000	CER60	626156000
5 x 7/8		A80	624221000	ZA80	656359000	CER80	626157000
5 x 7/8		A100	624222000				
5 x 7/8		A120	624224000				
5 x 7/8		A150	624225000				
5 x 7/8		A180	624226000				
623281000 8,500 RPM		7 x 7/8	A24	624103000			
	7 x 7/8	A36		ZA36	656361000	CER36	626159000
	7 x 7/8	A40	624104000	ZA40			
	7 x 7/8	A50	624102000				
	7 x 7/8	A60	624105000	ZA60	656363000	CER60	626160000
	7 x 7/8	A80	624106000	ZA80	656364000	CER80	626161000
	7 x 7/8	A100	624107000				
623282000 6,600 RPM	9 x 7/8	A24	624227000				
	9 x 7/8	A36		ZA36	656366000		
	9 x 7/8	A40	624228000				

Note: All sold in packs of 25 and backing pads with M14 arbor available.


### For Small Angle Grinders


	Steel Order#	Stainless Order#	Dia.	Trim Length	Thread	Wire	Max RPM	Use on	Pcs/Pkg
	655207000		2-3/4"	1"	5/8"-11	.012 crimped	14,000	4"-6" grinders	1
	623796000	623801000	2-3/4"	3/4"	M14-2.0	.014 knotted	12,500	4"-6" grinders	1
		623805000	2-3/4"	3/4"	5/8"-11	.014 knotted	12,500	4"-6" grinders	1
	623804000		2-3/4"	3/4"	5/8"-11	.020 knotted	12,500	4"-6" grinders	1
	655200000	655201000	2-3/4"	1"	5/8"-11	.020 knotted	14,000	4"-6" grinders	1
	655203000		3-1/2"	1-1/4"	5/8"-11	.014 crimped	12,000	4"-6" grinders	1
		655205000	3-1/2"	1-1/4"	5/8"-11	.014 knotted	12,000	4"-6" grinders	1
	655202000	655204000	3-1/2"	7/8"	5/8"-11	.023 knotted	13,000	4"-6" grinders	1

	Steel Order#	Stainless Order#	Dia. x Face	Trim Length	Thread	Wire	Max RPM	Use on	Pcs/Pkg
	655137000	655138000	4" x 3/16"	7/8"	5/8"-11	.020 knotted	20,000	4"-6" grinders	1
	655136000	655221000	4" x 3/8"	7/8"	5/8"-11	.020 knotted	20,000	4"-6" grinders	1
	655215000		4" x 1/2"	7/8"	5/8"-11	.014 knotted	20,000	4"-6" grinders	1
	655227000		4" x 1/2"	7/8"	5/8"-11	.014 crimped	14,000	4"-6" grinders	1
	655228005	655231005	4-1/2" x 3/16"	13/16"	5/8"-11	.020 knotted	12,500	4.5"-6" grinders	5
	655229005	655232005	5" x 3/16"	7/8"	5/8"-11	.020 knotted	12,500	5"-6" grinders	5
	655230005	655233005	5" x 1/2"	7/8"	5/8"-11	.023 knotted	12,500	5"-6" grinders	5

	Steel Order#	Stainless Order#	Dia. x Face	Trim Length	Thread	Wire	Max RPM	Use on	Pcs/Pkg
	655234000	655235000	4" x 3/8"	3/4"	5/8"-11	.020 knotted	12,500	4"-6" grinders	1
	626816000		6" x 7/8"	3/4"	5/8"-11	.020 knotted	12,500	4"-6" grinders	1

### For Large Angle Grinders

	Steel Order#	Dia.	Trim Length	Thread	Wire	Max RPM	Use on	Pcs/Pkg
	655209000	4"	1-3/8"	5/8"-11	.014 crimped	9,000	7"-9" grinders	1
	623765000	4"	1-1/8"	5/8"-11	.023 knotted	9,000	7"-9" grinders	1
	655211000	6"	1-1/4"	5/8"-11	.014 crimped	6,600	7"-9" grinders	1
	655210000	6"	1-3/8"	5/8"-11	.023 knotted	6,600	7"-9" grinders	1

	Steel Order#	Stainless Order#	Dia. x Face	Trim Length	Thread	Wire	Max RPM	Use on	Pcs/Pkg
	655134000	655218000	6" x 5/16"	1-3/8"	5/8"-11	.023 knotted	9,000	7"-9" grinders	1
	655133000		6-7/8" x 3/16"	1-1/4"	5/8"-11	.020 knotted	9,000	7"-9" grinders	1









04



## Metal Solutions

- **Advanced solutions for metalworking; weld preparation, edge work, finishing, sharpening, drilling**
- **Systems for increasing your productivity with highest quality and performance, for lowest cost of operation**

# WELD PREP, EDGE PREP, BEVEL, CHAMFER AND RADIUS



Rotatable Battery Pack  
- For working in confined spaces

Detachable Dust Filter  
- Protects motor components from damage

Additional Cutting Guide  
- For increased precision of straight edges and perfect beveled corners

Patented One-Touch Controller  
- Tool free depth adjustment  
- Unmatched precision  
- Locked in depth settings



First cordless beveling tool for 45° chamfers up to 5/32" and radii 5/64" / 1/8"



LEARN MORE!

KFM 18 LTX 3 RF  
(5/32" capacity at 45°)  
(5/64", 1/8" radius)



## COMPACT BEVELING TOOLS



Used for 45° chamfers to 5/32" depth and radii of 5/64" and 1/8"



Model	KFM 9-3 RF	KFM 18 LTX 3 RF
Order No.	601751750	601754750 (5.5 AH LiHD Kit) 601754840 (Bare)
No-Load RPM	4,500-11,500	7,000
Rated Input Power/battery pack	900W / 8.0A	18 V LiHD, 5.5 Ah
Max. chamfer height at 45°	5/32"	5/32"
Possible radii	5/64" and 1/8"	5/64" and 1/8"
Depth setting index	.004 increments	.004 increments
Type of edges	Chamfer and radius	Chamfer and radius
Cable length	13'	n/a

Includes: Torx 15 driver, 2 ea. 45° bevel and 5/64" / 1/8" radius carbide inserts

# COMPACT BEVELING TOOL ACCESSORIES



(DCMT II T 304)  
P/N: 623560000 - 45°

### Indexable Carbide Inserts

- Constructed of long life tungsten carbide
- Chamfer and radius versions
- Pack of 10



P/N: R2 (5/64"): 623561000  
P/N: R3 (1/8"): 623562000



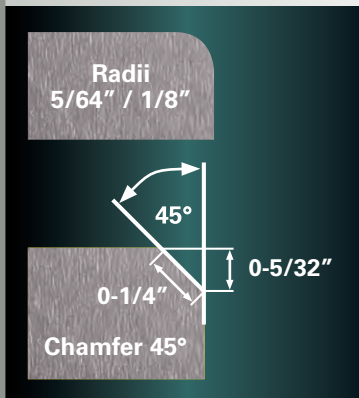
P/N: 623566000

### Replacement Insert Screws

- Pack of 10

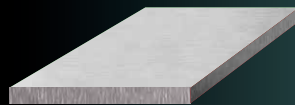
## VARIOUS APPLICATION AREAS

### Possible cutting shapes

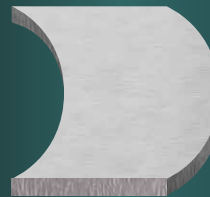


### Possible edges/contours for compact beveling tools

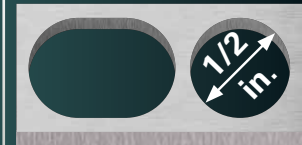
**Chamfer or radius straight edges**  
Using cutting guide  
(min. thickness: 23 gauge)



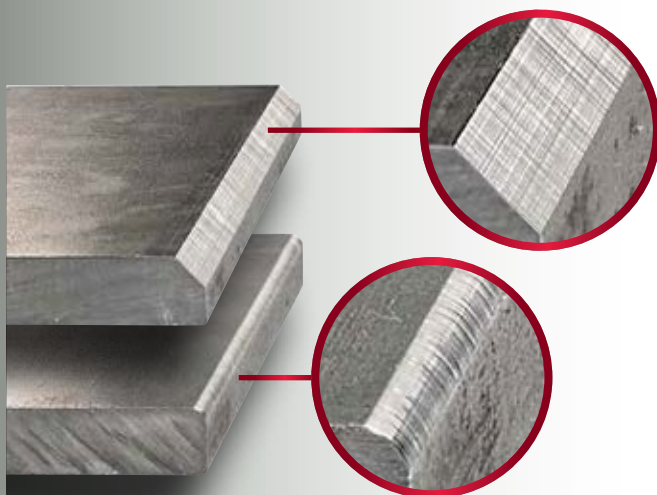
**Inside/outside curves**  
Chamfer or radius with guide bearing  
(min. thickness: 23 gauge)



**Inside holes/curves**  
Chamfer or radius internal holes with guide bearing  
(min. diameter 1/2")



## HIGH SURFACE QUALITY = PRECISE WORK RESULTS



- Uniform surfaces for highest weld quality
- Edge breaking/deburring of sheet metal
- Perfect radii of edges for optimal paint/coating preparation

### Optimal paint/powder coating preparation

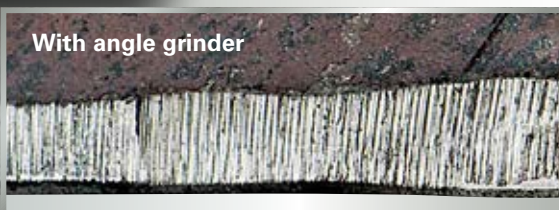
#### Processing of edges:

- Perfectly rounded edges
- Uniform coating thickness  
→ best protection from corrosion



#### Without edge processing:

- Increased risk of corrosion at corners





# BEVELING TOOLS

Patented One-Touch Controller  
 - Tool free depth adjustment  
 - Unmatched precision  
 - Locked in depth settings

13A / 1500 Watt LongLife Motor  
 - With integrated dust protection

Front Handle  
 - Tool free adjustable front handle

Deadman Switch and Safety Brake

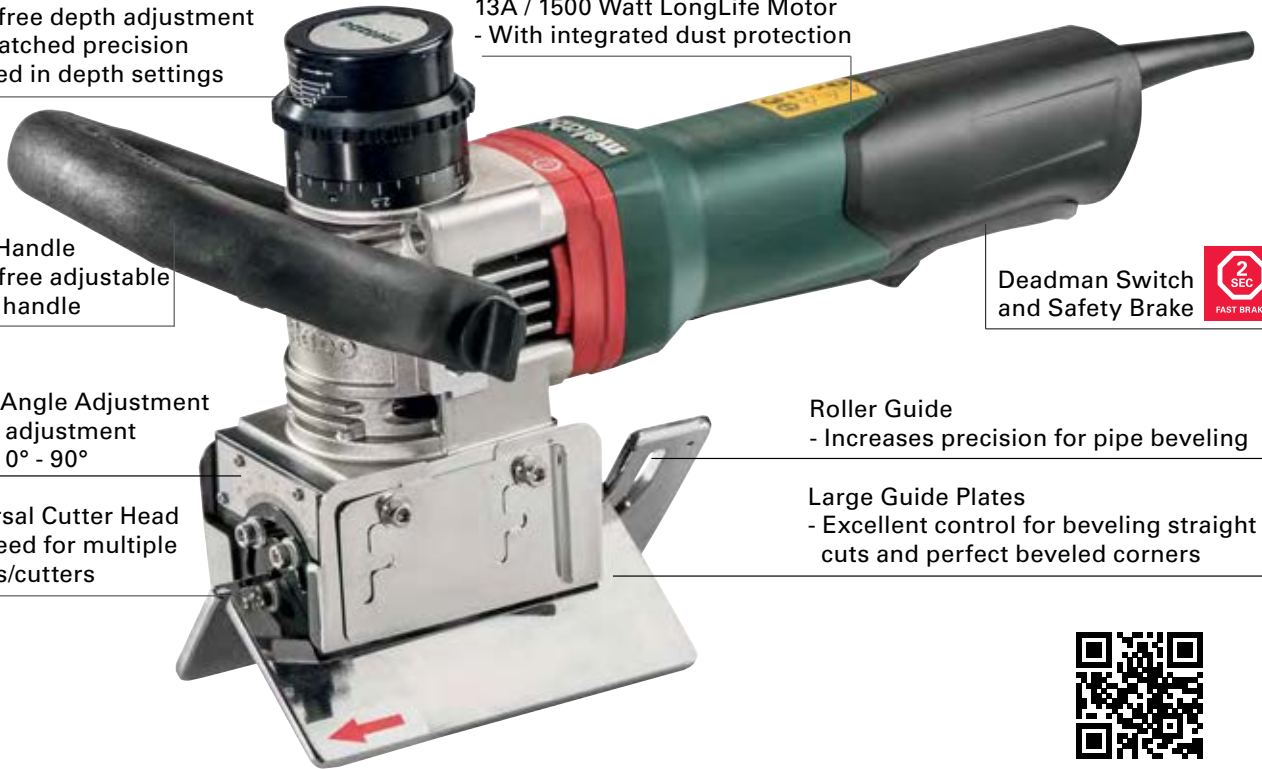


Bevel Angle Adjustment  
 - Easy adjustment from 0° - 90°

Roller Guide  
 - Increases precision for pipe beveling

Universal Cutter Head  
 - No need for multiple heads/cutters

Large Guide Plates  
 - Excellent control for beveling straight cuts and perfect beveled corners



KFMPB 15-10 F  
 (3/8" capacity at 45°)

LEARN MORE!



## BEVELING TOOLS FOR WELD SEAM PREPARATION



KFM 15-10 F

Used for bevel heights up to 3/8" at 45° for weld preparation



Paddle + Brake

KFMPB 15-10 F



KFM 16-15 F

Used for bevel heights up to 5/8" at 45° for weld preparation

Models	KFM 15-10 F	KFMPB 15-10 F	KFM 16-15 F
Order No.	601752620	601755620	601753620
No-Load RPM	7,800 - 12,200	12,500	12,000
Rated input power	1,500W /13A	1,500W /13A	1,550W / 14A
Maximum bevel height at 45°	3/8"	3/8"	5/8"
Depth setting index	.004 increments	.004 increments	.004 increments
Bevel angle setting	0 – 90 degrees	0 – 90 degrees	0 – 90 degrees
Cable length	13'	13'	13'
Tool weight (without power cable)	10.8 lbs./11.2 lbs.	10.8 lbs./11.2 lbs.	15.2 lbs.

Includes:

Torx 15 driver, 4mm hex key, 10mm wrench, steel case (344455640), 2mm Hex Key 3 SQ4 carbide inserts (623564000), roller guide for pipe

# LARGE BEVELING TOOL ACCESSORIES

QUICK AND SAFE BEVELING = **MORE THAN 70% LABOR SAVINGS!**



**5x more edges processed**  
in the same period of time

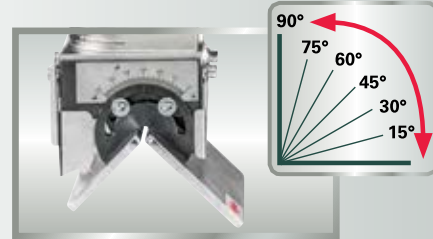
VS.

9" Angle Grinder



**Infinitely adjustable guide plates quickly adjust, saving time and money**

- One cutter head for all bevel angles 0 - 90 °
- No additional cutter heads required to achieve multiple angles
- Infinitely adjustable



## PRECISE CHAMFER ANGLES = OPTIMUM WELDING CONDITIONS

**More precise than an angle grinder**

- Creates clean surfaces without burrs, oxidation or blue discoloration due to heat generation
- The large surface guide plates maintain uniform chamfer angles and depth



## ACCESSORIES



P/N: 623564000  
(For Steel)



P/N: 623565000  
(For Stainless Steel)



P/N: 623559000  
(For Aluminum, Plastic and Soft Metals)



P/N: 623566000

### Indexable Carbide Inserts

- Longer life & fewer replacements are required
- Up to 600 linear feet using all 4 sides
- Pack of 10

### Replacement Insert Screws

- Pack of 10

# SHEAR AND NIBBLER



**SCV 18 LTX BL 1.6**  
18V 16g Cordless Shear



**NIV 18 LTX BL 1.6**  
18V 16g Cordless Nibbler

Model Bare Tool:	SCV 18 LTX BL 1.6 601615850	NIV 18 LTX BL 1.6 601614850
Type of battery pack	LiHD	LiHD
Battery voltage	18 V	18 V
No-load strokes per minute	1,350 - 4,840	660 - 2,360
Max. material thickness		
- Mild steel	16 gauge	1/16"
- Stainless steel	18 gauge	3/64"
- Aluminum	14 gauge	14 gauge
Smallest curve radius	5/8"	1 9/16"
Starting hole Ø	1"	53/64"
Cutting track width		13/64"
<b>Standard equipment:</b>	(2) Blades (630239000)	Punch (630243000)
	(2) Hexagon Wrenches	Die (630247000)
	Feeler gauge	Combination key
<b>Optional equipment:</b>		
For med-high carbon steel	2 Blades (630241000)	





**NEW**

**MT 18 LTX BL QSL**  
18V Multi-Tool



**DEPTH STOP + DUST EXTRACTION**

**626943000**  
Depth stop + dust extraction

**StarlockPlus® SANDING PLATE**

**626944000**  
3-5/8" (93 mm)  
StarlockPlus® sanding plate

**SANDING DISCS**

**624940000**  
40x (pack of 5)  
Sanding disc

**624941000**  
60x (pack of 5)  
Sanding disc

**624942000**  
80x (pack of 5)  
Sanding disc

**624944000**  
120x (pack of 5)  
Sanding disc

**624945000**  
180x (pack of 5)  
Sanding disc

**Model Bare Tool:**

**Multi-Tool 613088840**

Voltage	18 V
Length	250 mm / 10"
Electronics	VTC Electronics
Weight	2.6 lbs / 1,2 kg
Oscillating angle	3.2°
Oscillations per minute	8,000-20,000 opm
Accessory compatibility	Starlock®, StarlockPlus®
Brushless motor	•
Double LED Illumination	•
Tool-less magnetic blade change	•
<b>Standard equipment:</b>	Curved-tec StarlockPlus® wood + metal blade (626945000)

**StarlockPlus® SAW BLADES**

**626945000**  
1-1/4" x 2 3/8" (32 x 60 mm)  
StarlockPlus® plunge saw blade  
For wood+metal

**626946000**  
1-1/4" x 2 3/8" (32 x 60 mm)  
StarlockPlus® plunge saw blade  
For wood

**626947000**  
1-1/4" x 2" (32 x 50 mm)  
StarlockPlus® precision saw blade  
For wood

**626948000**  
1-1/4" x 2" (32 x 50 mm)  
StarlockPlus® plunge saw blade  
For metal

**626949000**  
1-1/2" x 2" (40 x 53 mm)  
StarlockPlus® saw blade  
For wood/abrasive

# DIE GRINDERS



**GP 400**  
25,000 RPM  
AC/DC Paddle Switch  
Die Grinder



**GE 710 Plus**  
10,000-30,500 RPM Die Grinder



**GE 950 G Plus**  
2,500-8,700 RPM  
High Torque Die Grinder



**GPA 18 LTX**  
25,000 RPM  
18V DC Paddle Switch Die Grinder



**GEP 710 Plus**  
10,000-30,500 RPM  
Paddle Switch Die Grinder



**GE P950 G Plus**  
2,500-8,700 RPM Paddle Switch  
High Torque Die Grinder



**GE 710 Compact**  
13,000-34,000 RPM  
Die Grinder



**GA 18 LTX G**  
6,000 RPM High Torque  
18V DC Die Grinder

Model	GP 400 600453420	GPA 18 LTX 600621860 Bare tool	GE 710 Compact 600615420	GE 710 Plus 600616420	GEP 710 Plus 600617420	GA 18 LTX G 600639860 Bare tool	GE 950 G Plus 600618420	GEP 950 G Plus 600627420
Switch Type	Non-locking paddle	Non-locking paddle	Slide locking	Slide locking	Non-locking paddle	Slide locking	Slide locking	Non-locking paddle
Spindle lock - single wrench system		•		•	•	•	•	•
Removable soft rubber grip	•	•		•	•		•	•
Extended spindle	•	•		•	•	•	•	•
High torque planetary gear reduction						•	•	•
Motor	Heavy Duty	Cordless	LongLife	LongLife	LongLife	Cordless	LongLife	LongLife
AC/DC Capability	AC/DC	18V DC	AC	AC	AC	18V DC	AC	AC
Electronics								
- Variable speed control			VC	VC	VC		VC	VC
- Electronic overload protection		•	•	•	•	•	•	•
- Power interruption protection		•	•	•	•	•	•	•
- Electronic safety stop		•	•	•	•	•	•	•
No-load speed (RPM)	25,000	25,000	13,000-34,000	10,000-30,500	10,000-30,500	6,000	2,500-8,700	2,500-8,700
Amps	3.5		6.4	6.4	6.4		8.5	8.5
Rated input watts	400		710	710	710		950	950
Collet bore	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
<b>Standard equipment:</b>								
Collet wrench 17mm	344163990 (19mm)	344160400	344160400	344160400	344160400	344160400	344160400	344160400
- 1/4" collet	631949000	631949000	630821000	630821000	630821000	630821000	630821000	630821000
Spindle wrench 13mm	344164000		344164000					
Side handle						314001030	314001030	314001030
Soft rubber grip	344099150	344099150		344099150	344099150		344099150	344099150
<b>Optional equipment:</b>								
- 1/8" collet	631948000	631948000	631948000	631948000	631948000		631948000	631948000
Side handle	631052000	631052000	631052000	631052000	631052000			



## Flap Wheels 1/4" Shank Mounted Style for Die Grinders

- Standard - Aluminum oxide on resin fiber backing provides excellent stock removal on contoured steel shapes and in confined areas.

Order#	Size	Spec.	Application	Max. RPM	Pcs/Pkg
655368000	1 x 1	A 60	Steel / Stainless Steel	30,000	10
655369000	1 x 1	A 80	Steel / Stainless Steel	30,000	10
655370000	1 x 1	A 120	Steel / Stainless Steel	30,000	10
655371000	1-1/2 x 1	A 60	Steel / Stainless Steel	25,000	10
655372000	1-1/2 x 1	A 80	Steel / Stainless Steel	25,000	10
655373000	1-1/2 x 1	A 120	Steel / Stainless Steel	25,000	10
655374000	2 x 1	A 60	Steel / Stainless Steel	25,000	10
655375000	2 x 1	A 80	Steel / Stainless Steel	25,000	10
655376000	2 x 1	A 120	Steel / Stainless Steel	25,000	10
655377000	3 x 1	A 60	Steel / Stainless Steel	20,000	10
655378000	3 x 1	A 80	Steel / Stainless Steel	20,000	10
655379000	3 x 1	A 120	Steel / Stainless Steel	20,000	10

- Interleaved - Aluminum oxide flaps are interleaved with strips of non-woven abrasive material to provide a brushed satin finish.

Order#	Size	Spec.	Application	Max. RPM	Pcs/Pkg
655390000	3 x 1	A 80	Steel / Stainless Steel	18,000	5
655391000	3 x 1	A 120	Steel / Stainless Steel	18,000	5
655392000	3 x 1	A 180	Steel / Stainless Steel	18,000	5
655393000	3 x 2	A 80	Steel / Stainless Steel	6,000	5
655394000	3 x 2	A 120	Steel / Stainless Steel	6,000	5

- Non-Woven - Aluminum oxide is bonded to a non-woven fabric to provide an excellent wheel for general deburring and contour surface finishing.

Order#	Size	Spec.	Application	Max. RPM	Pcs/Pkg
655380000	2-3/8 x 1	Fine	Stainless Steel	10,000	5
655381000	2-3/8 x 1	Medium	Stainless Steel	10,000	5
655382000	2-3/8 x 2	Fine	Stainless Steel	8,000	5
655383000	2-3/8 x 2	Medium	Stainless Steel	8,000	5
655384000	3 x 1	Fine	Stainless Steel	8,000	5
655385000	3 x 1	Medium	Stainless Steel	8,000	5
655386000	3 x 2	Fine	Stainless Steel	6,000	5
655387000	3 x 2	Medium	Stainless Steel	6,000	5

### DIE GRINDER ACCESSORIES



627354000 Bench Mount Stand For working with the flex shaft 627107000 Clamp For attaching 627354000 to work bench



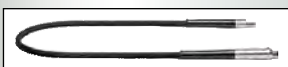
655168000 Combo mandrel to mount slicers on die grinders (1/4" shank) 1/4" or 3/8" arbor



628329000 Cage Mount System. For use with all Metabo Die Grinders. (For all except GE710, GE710 Compact)



655170000 Die Grinder Cut-off Wheel Guard. For use on GE710, GEP710, GE950, GEP950 & GP400) 655169000 Die Grinder Cut-off Wheel Guard. For use on GE700 and GE900 Plus die grinder. Always comply with OSHA/ANSI B7.1



630980420 Flex Shaft

- 4 ft. long, heavy-duty rubber covered flex shaft for use with both die grinder or router motor
- Ball bearing construction
- 1/4" collet for 1/4" shank mounted bits
- Speed range 10,000 to 30,500 RPM (Not for use on tools running less than 10,000 RPM)



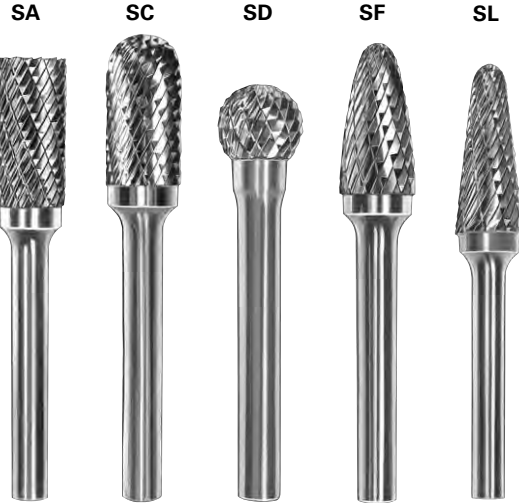
## Double Cut Carbide Burs For Drills, Hammer Drills and Die Grinders

- Double cut solid carbide burs are designed to remove metal faster with more control, smaller chips and provides a smoother finish. Each of these double cut burs is individually packaged in a plastic tube.



Order#	Cutting Dia.	Cutter Length	Shank Dia.	Spec.	Application	Pcs/ Pkg
656750000	1/4"	5/8"	1/4"	SA-1	Steel / Stainless Steel	1
656751000	3/8"	3/4"	1/4"	SA-3	Steel / Stainless Steel	1
656752000	1/4"	5/8"	1/4"	SC-1	Steel / Stainless Steel	1
656753000	3/8"	3/4"	1/4"	SC-3	Steel / Stainless Steel	1
656754000	1/2"	1"	1/4"	SC-5	Steel / Stainless Steel	1
656755000	1/2"	7/16"	1/4"	SD-5	Steel / Stainless Steel	1
656756000	1/4"	3/4"	1/4"	SF-1	Steel / Stainless Steel	1
656757000	3/8"	3/4"	1/4"	SF-3	Steel / Stainless Steel	1
656758000	1/2"	1"	1/4"	SF-5	Steel / Stainless Steel	1
656759000	3/8"	1-1/16"	1/4"	SL-3	Steel / Stainless Steel	1


Note: Other sizes and shapes are available upon request.



## Wire End Brushes 1/4" Stem For Drills, Hammer Drills and Die Grinders

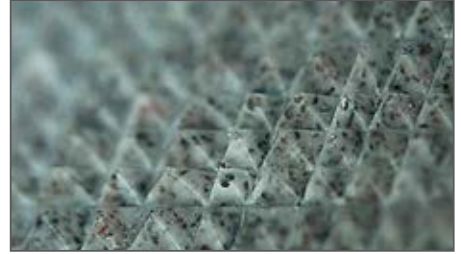
	Steel Order#	Stainless Order#	Dia.	Trim Length	Stem	Wire	Max RPM	Pkg.	Pcs/ Pkg
 crimped	655212000	655219000	1"	1-1/8"	1/4"	.020 crimped	22,000	Carded	1
 knotted	655213000		1"	3/4"	1/4"	.020 knotted	22,000	Carded	1

## Crimped Wheels 1/4" Stem For Drills and Hammer Drills

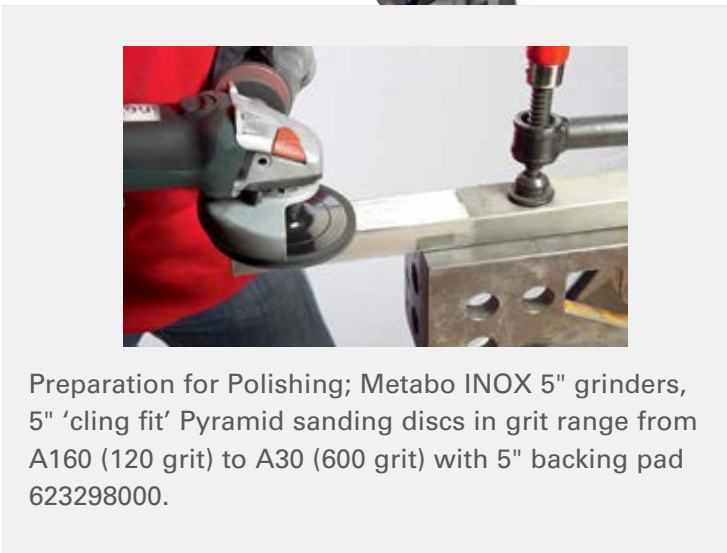
	Steel Order#	Stainless Order#	Dia.	Trim Length	Stem	Wire	Max RPM	Pkg.	Pcs/ Pkg
	655214000	655222000	3"	1"	1/4"	.014 crimped	20,000	Carded	1

# STAINLESS STEEL FINISHING

**Metabo Pyramid: The perfect abrasive!**  
**Finest finish. Fastest finish.**

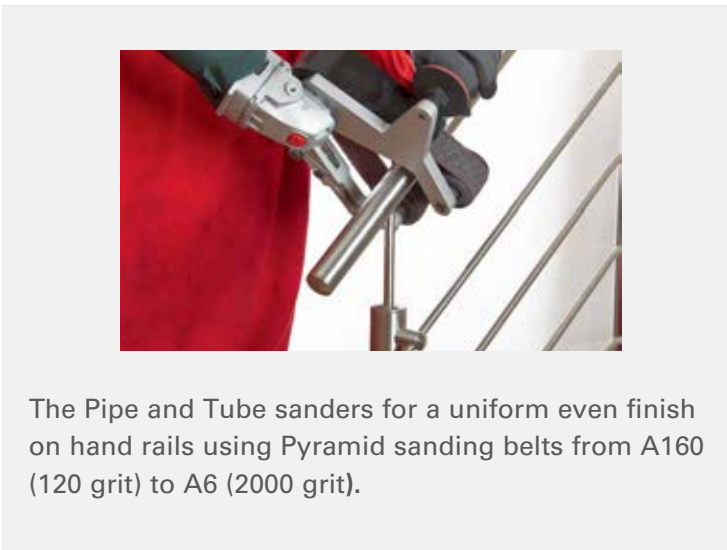


**Unique structured abrasive delivers consistent finishes with higher cut rates while remaining cool under pressure. Suited for finishing mild steels, stainless steels, nickel alloys, titanium, aluminum and non-ferrous metals.**

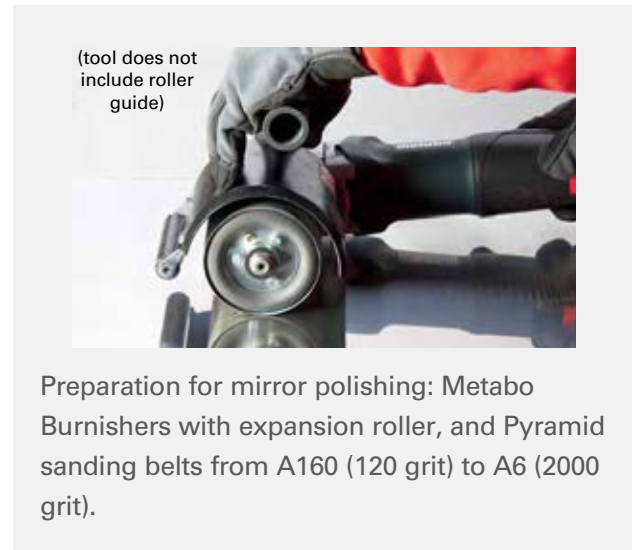


Preparation for Polishing; Metabo INOX 5" grinders, 5" 'cling fit' Pyramid sanding discs in grit range from A160 (120 grit) to A30 (600 grit) with 5" backing pad 623298000.

**Higher cut rates even with the finer grit sizes allows for reduction in steps to reach the final finish. Result, lower overall cost.**



The Pipe and Tube sanders for a uniform even finish on hand rails using Pyramid sanding belts from A160 (120 grit) to A6 (2000 grit).



(tool does not include roller guide)

Preparation for mirror polishing: Metabo Burnishers with expansion roller, and Pyramid sanding belts from A160 (120 grit) to A6 (2000 grit).

# STAINLESS STEEL FINISHING TOOLS



**CORDED**  
**Burnisher**  
**SE 17-200 RT**



**CORDLESS**  
**18V Burnisher**  
**S 18 LTX 115**

Model	SE 17-200 RT 602259620
Double insulated	•
Electronics	Vario-tacho-constamatic (VTC)
Motor	LongLife
Toolless wheel change system	•
Spindle lock	•
Winding protection grid	•
High performance planetary gears	•
Variable speed controlled by adjusting dial	•
Auto-stop carbon brushes	•
Maximum torque	151 inch lbs.
No-load speed (RPM)	800-3,000
Amps	14.5
Rated input watts	1,700
Spindle thread	5/8"-11
Arbor Size	3/4" keyed
Carrying case	344453970 (standard)
<b>Standard equipment:</b>	Case (344453120) 1 - Allen key (344161300) 1 - Expansion roll for grinding and polishing sleeves (623470000) 3 - P80 Sanding belt (623474000) 1 - P80 Flap wheel (623479000) 1 - 4" x 4" P180 interleaved (623485000) 1 - 4" x 4" P280 non-woven nylon wheel (623514000) 1 - Set of spacer rings (623511000) 1 - 3/4" Arbor complete (316052560)
<b>Optional equipment:</b>	2" Spindle (626413000)

Model Bare Tool:	S 18 LTX 115 600154850
Electronic clutch	•
Electronic overload protection	•
Switch with lock on capability*	•
Power interruption protection	•
Electronic soft start	•
Spindle lock	•
Rotatable battery pack	•
Detachable dust filter	•
Spindle thread	M14
Arbor size	3/4" keyed
Max diameter of accessories	8"
Max width of accessories	4"
No-load speed (RPM)	3,000
<b>Standard equipment:</b>	M14 Arbor Complete (316052550) Dust filter (343398890) 19 mm wrench (344161300) Allen key (344161300)



**Burnisher Accessories**

See burnisher accessories page 100





**CORDED**  
**Pipe/Tube Sander**  
RBE 15-180



**CORDLESS**  
**18V Pipe/Tube Sander**  
RB 18 LTX 60

Model	RBE 15-180 602243620
Electronics	Vario-tacho-constamatic (VTC)
LongLife motor	•
Switch with lock on capability	•
Power interruption protection	•
Spindle lock	•
Low profile aluminum die-cast gear housing	•
Variable speed dial	•
Ergonomic side handle	•
Electronic winding temperature monitor with LED display	•
Auto-stop carbon brushes	•
Winding protection grid	•
Electronic soft start feature	•
Electronic speed stabilization	•
Maximum pipe / tube dia.	7"
Dimensions of grinding belt	1-1/2" x 30"
Wrap angle (maximum)	270°
No-load speed	1,650-5,512 ft./min
Amps	13.5
Rated input watts	1,550
Carrying case	344453970 (standard)
<b>Standard equipment:</b>	Side handle (316046590)
	10 (pcs) Zirconia alumina sanding belts P80 (626306000)
	2 (pcs) Pyramid sanding belts P280/A65 (626312000) P400/A45 (626313000) P600/A30 (626314000) P1200/A16 (626315000)
	3 (pcs) Non-woven medium (626320000)

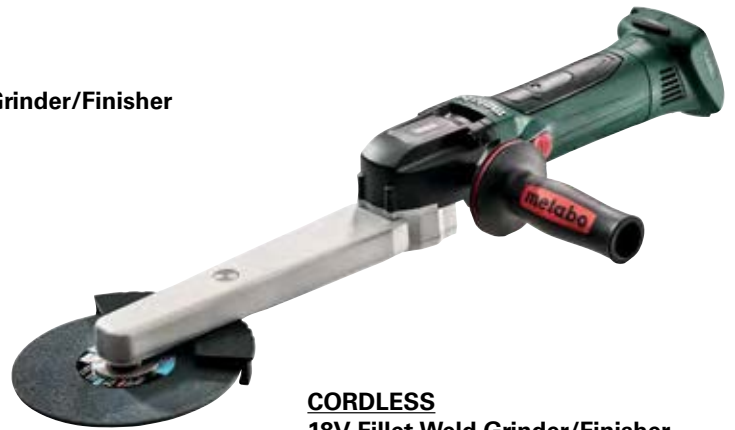
Model	RB 18 LTX 60
Bare Tool:	600192850
Electronic clutch	•
Electronic overload protection	•
Switch with lock on capability*	•
Power interruption protection	•
Electronic soft start	•
Spindle lock	•
Rotatable battery pack	•
Detachable dust filter	•
Wheel/belt size	1-3/16 x 21
No-load speed (SFM)	1, 812
<b>Standard equipment:</b>	Dust filter (343398890)
	Hex key (344161510)



See pipe tube sander accessories page 103



**CORDED**  
**Fillet Weld Grinder/Finisher**  
 KNSE 9-150



**CORDLESS**  
**18V Fillet Weld Grinder/Finisher**  
 KNS 18 LTX 150

Model	KNSE 9-150 602265620
Electronics	Vario-tacho-constamatic (VTC)
Motor	LongLife
Switch with lock on capability	•
Power interruption protection	•
Spindle lock	•
Low profile aluminum die-cast gear housing	•
Variable speed dial	•
Adjustable guard	•
Ergonomic side handle	•
Electronic winding temperature monitor with LED display	•
Auto-stop carbon brushes	•
Winding protection grid	•
Electronic soft start feature	•
Electronic speed stabilization	•
No-load speed (RPM)	900-3,800
Amps	8.5
Rated input watts	950
Wheel size / arbor	6" x 1"
Spindle thread	M14
Carrying case	344453990 (standard)
<b>Standard equipment:</b>	Side handle (316046590) Wheel guard (339203590) Flange set (316047400) Hex wrench (344161510) Spanner wrench (623934000) 1 (pc) Fleece compact disc (6" x 1/4" x 1", medium) (626402000) (6" x 1/4" x 1", very fine) (626401000) (6" x 1/8" x 1", medium) (626400000)

Model	KNS 18 LTX 150 600191850
<b>Bare Tool:</b>	
Electronic clutch	•
Electronic overload protection	•
Switch with lock on capability*	•
Power interruption protection	•
Electronic soft start	•
Spindle lock	•
Rotatable battery pack	•
Detachable dust filter	•
Spindle thread	M14
Arbor size	1"
Wheel/belt size	6" dia.
Max diameter of accessories	6"
No-load speed (RPM)	3,800
<b>Standard equipment:</b>	Dust filter (343398890) Flange set (316047400) Hex wrench (344161510) Spanner wrench (623934000) Side handle (316046590)



See fillet weld grinder / finisher accessories page 104



**CORDED  
Band File**  
BFE 9-20



**CORDLESS  
18V Band File**  
BF 18 LTX 90

Model	BFE 9-20 602244620
Electronics	Vario-constamatic (VC)
Motor	LongLife
Quick belt change system	•
Switch with lock on capability	•
Spindle lock	•
Low profile aluminum die-cast gear housing	•
Ergonomic side handle	•
Metabo safety slip clutch	•
Auto-stop carbon brushes	•
Winding protection grid	•
Sanding belt size	1/4", 1/2", 3/4" x 18"
No-load speed (SFM)	2,087-3,937
Amps	8.5
Rated input watts	950
Useful length of grinding belt arm	3-1/2"
Carrying case	344453980 (standard)
<b>Standard equipment:</b>	Side handle (316046590)
	10 (pcs) Zirconia alumina sanding belts 1/4" x 18" P60 (626345000) P120 (626347000) 3/4" x 18" P60 (626353000) P120 (626355000)
	2 (pcs) 1/4" x 18" medium non-woven (626384000)
	Grinding arm - for belt widths of 1/4" and 1/2" (626379000) 3/4" (626382000)
<b>Optional equipment:</b>	(See page 105)

Model Bare Tool:	BF 18 LTX 90 600321850
Electronic clutch	•
Electronic overload protection	•
Switch with lock on capability*	•
Power interruption protection	•
Electronic soft start	•
Spindle lock	•
Rotatable battery pack	•
Detachable dust filter	•
Wheel/belt size	1/4", 3/8", 1/2" x 18"
No-load speed (SFM)	1,576
<b>Standard equipment:</b>	Dust filter (343398890)
	Side handle (316046590)
	Grinding arm - for belt widths of 1/4" and 1/2" (626379000)
<b>Optional equipment:</b>	(See page 105)



**Band File Accessories**

See band file accessories page 105



# FINISHING AND POLISHING TOOLS



**CORDED**  
**4 1/2"-5" Angle Grinder**  
 WEV 17-125 Quick INOX



**CORDED**  
**Variable Speed High Torque**  
**Dry Polisher**  
 PE 15-20 RT



**CORDED**  
**Variable Speed High Torque**  
**Dry Polisher**  
 PE 15-30

Model	WEV 17-125 Quick INOX 600517420
Electronics	Vario-tacho-constamatic (VTC)
Electronic soft start feature	•
Electronic speed stabilization	•
Power interruption protection	•
Overload protection	•
Motor	LongLife
Quick wheel change system	•
Switch with lock on capability	•
Low profile aluminum die-cast gear housing	•
Variable speed dial	•
Burst-proof guard w/ 7 stops	•
Anti-vibration side handle	•
Metabo safety slip clutch	•
Auto-stop carbon brushes	•
Winding protection grid	•
Maximum torque	37.2 inch lbs.
Maximum wheel diameter	5"
No-load speed (RPM)	2,000-7,600
Amps	14.5
Rated input watts	1,550
Arbor size	7/8"
Spindle thread	5/8"-11
Carrying case	344454180 (optional)
<b>Standard equipment:</b>	MVT Vibratex side handle (314000970) Wheel guard (339204500) Inner flange (341031290) Locking nut (316055450)
<b>Optional equipment:</b>	Detachable dust filter (630719000)

Model	PE 15-20 RT 615200420	PE 15-30 615300420
Maximum pad diameter	7"	7"
Double insulated	•	•
Electronic features:		
Speed stabilization	Vario-tacho-constamatic (VTC)	
Power interruption protection	•	•
Overload protection	•	•
Soft start feature	•	•
Restart protection	•	•
Electronic winding temperature monitor with LED display	•	•
Winding protection grid	•	•
Planetary gearing	•	•
Variable speed controlled by adjusting dial	•	•
Auto-stop carbon brushes	•	•
No-load speed (RPM)	300-1,900 RPM	800-3,000 RPM
Amps	13	13
Rated input watts	1,500	1,550
Spindle thread	5/8"-11	5/8"-11
Carrying case		
<b>Standard equipment:</b>		
Side handle	314000540	
Loop handle		•
<b>Optional equipment:</b>		
5" soft backing pad	655141000	655141000
5" medium backing pad	655129000	655129000
5" hard backing pad	623298000	623298000
7" hard backing pad	655143000	655143000

See accessories page 99

## Inox Angle Grinder Accessories

### Special non-woven - VKS (with bore)



- Made from pressed fleece material on glass fiber supporting plate
- Reduces the number of working stages required. For cleaning and polishing surfaces, for smoothing weld seams
- For steel, stainless, alloy and high-alloy steels, colored and light metals, chrome and nickel steels, titanium, steels

Diameter inches	Grit	Pcs/Pkg	Order #
5" x 7/8"	Very fine	1	626368000
5" x 7/8"	Very fine	5	626417000

### Combi Flap disc (KLS)



- Made from high-quality pink aluminum oxide fabric in combination with high-quality nonwoven nylon abrasive
- For removal of rough material to fine polish in a single process. Very even grinding results with good material removal
- For processing weld seams on flat or rounded surfaces. For removing minor scratches and damage to the work piece
- Suitable for grinding, cleaning and finishing work on stainless steel, steel, color and light metals, titanium alloys

Diameter inches	Grit	Pcs/Pkg	Order #
5" x 7/8"	Coarse	1	626369000
5" x 7/8"	Coarse	5	626415000
5" x 7/8"	Medium	1	626370000
5" x 7/8"	Medium	5	626416000

### "Pyramid" cling-fit sanding discs



- 3-dimensional structure of the grinding media (pyramid-shaped)
- High volume output with very even and fine sanding results at the same time. Long service life. Faster progress when compared to traditional sanding media, due to the reduced number of working stages
- For removing scratches, mill skin on stainless steel. Preparation for polishing
- Suitable for use on all metals; especially for stainless steels, titanium, cobalt, nickel, chrome alloys

Diameter inches	Grit	Pcs/Pkg	Order #
5"	P 120 (A 160)	5	626371000
5"	P 280 (A 65)	5	626372000
5"	P 400 (A 45)	5	626373000
5"	P 600 (A 30)	5	626374000
5"	P 1200 (A 16)	5	626403000
5"	P 2000 (A 6)	5	626404000

### Special non-woven disc - VKS cling-fit



- Made of compacted fleece material hook and loop backing
- Reduces the number of working stages required. For cleaning and polishing surfaces, for smoothing weld seams
- For steel, stainless, alloy and high-alloy steels, color and light metals, chrome and nickel steels, titanium, steels

Diameter inches	Grit	Pcs/Pkg	Order #
5"	Very fine	1	626375000

### Stripping wheels



- For the removal of light rust, paint / varnish on metal, cleaning weld seams / steel / copper / aluminum / brass, sanding steel and texturing wood
- Maximum working speed: 63 m/s
- Recommended speeds at Ø 115 mm: 2,900 /min, Ø 125 mm: 2,700 /min

Diameter inches	Grit	Pcs/Pkg	Order #
4.5" x 7/8"	Medium	1	624346000
5" x 7/8"	Medium	1	624347000

### Cling-fit backing pad



- 5" x 5/8-11

Order #  
623298000

### Micro fiber cloth



- 3 micro-fiber cloths
- For cleaning and evenly distributing protective spray and polishes
- For removing paste residue using talcum powder
- Suitable for all metals and hard plastics

Order #  
626398000

## Burnisher Accessories

### Expansion roller



- For using sanding belts and abrasive sleeves. The belts / abrasive sleeves are pushed over the roller and clamped securely by centrifugal force. Aggressive metal removal.

Diameter inches	Order #
4" x 4"	623470000

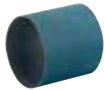
### Pneumatic sanding drum



- For using sanding belts and abrasives sleeves. The sanding belts / abrasive sleeves are pushed over the drum and clamped securely by pneumatic force. Fine metal finishing.

Diameter inches	Order #
4" x 4"	623542000

### Sanding belts



- Material: zirconia alumina
- Suitable for all metals and stainless steel
- For removing scratches and smoothing weld seams

Diameter inches	Grit	Pcs/Pkg	Order #
4" x 4"	P 40	10	623512000
4" x 4"	P 60	10	623473000
4" x 4"	P 80	10	623474000
4" x 4"	P 120	10	623475000
4" x 4"	P 220	10	623476000

### Felt Flap Rolls



- Patented flap design made with 70% wool felt material. Designed to be used in combination with a rouge or compound that can produce a mirror surface finish. The flap construction increases flexibility and runs cooler, for overall better performance.

(Medium version: Flaps are slit lengthwise to create a mop effect. This increases the flexibility of the material for polishing irregular or contoured surfaces.)

Diameter inches	Version	Pcs/Pkg	Order #
4-1/4" x 4" x 5/8-11	Medium	1	656790000
4-1/4" x 4" x 5/8-11	Fine	1	656791000

### Non-woven sinus wheel



- For transition-free matt and satin-finishes on stainless steel surfaces and non-ferrous metals
- For removing minor scratches and for cleaning surfaces
- Elastic nylon fleece containing grit with a corrugated arrangement on the core
- Maximum speed: 5,900 /min; recommended speed: 3,000 /min

Diameter inches	Grit	Order #
4" x 4"	P 180	623567000

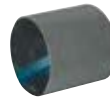
### Nylon non-woven abrasive sleeves



- For removing scratches and oxide layers, tarnishing, graining, deburring and fine grinding

Diameter inches	Version	Pcs/Pkg	Order #
4" x 4"	Coarse (brown)	2	623519000
4" x 4"	Medium (maroon)	2	623495000
4" x 4"	Fine (blue)	2	623496000

### "Pyramid" sanding belts



- For all metal uses, suited for processing steel/stainless steel and aluminum
- 3-dimensional structure of the grinding media (pyramid-shaped). High removal of material with an even and fine grinding finish
- Quick progress; considerably reduces working stages compared to traditional grinding methods

Diameter inches	Grit	Pcs/Pkg	Order #
4" x 4"	P 120 (A 160)	5	626405000
4" x 4"	P 280 (A 65)	5	626406000
4" x 4"	P 400 (A 45)	5	626407000
4" x 4"	P 600 (A 30)	5	626408000
4" x 4"	P 1200 (A 16)	5	626409000
4" x 4"	P 2000 (A 6)	5	626410000

### Flap wheels



- For removing rust, oxide layers, scratches
- For texturing and graining metal

Diameter inches	Grit	Pcs/Pkg	Order #
4" x 4"	P 40	1	623477000
4" x 4"	P 60	1	623513000
4" x 4"	P 80	1	623479000
4" x 4"	P 120	1	623480000
4" x 4"	P 180	1	623481000
4" x 4"	P 240	1	623482000

### Interleaved wheels



- Pink aluminum oxide sanding flaps combined with grain-coated non-woven nylon
- For tarnishing, graining and removing scratches on metal

Diameter inches	Grit	Pcs/Pkg	Order #
4" x 4"	P 60	1	623483000
4" x 4"	P 80	1	623484000
4" x 4"	P 180	1	623485000
4" x 2"	P 60	1	623526000
4" x 2"	P 80	1	623527000
4" x 2"	P 180	1	623528000



## Burnisher Accessories

### Non-woven nylon abrasive wheels



- Elastic grain-coated nylon web for shadow-free tarnishing, graining and polishing of stainless steel and non-ferrous metals

Diameter inches	Grit	Pcs/Pkg	Order #
4" x 4"	P 60	1	623486000
4" x 4"	P 80	1	623487000
4" x 4"	P 180	1	623488000
4" x 4"	P 280	1	623514000
4" x 4"	P 400	1	623468000
4" x 4"	P 600	1	623469000
4" x 4"	P 900	1	623494000
4" x 2"	P 60	1	623515000
4" x 2"	P 80	1	623516000
4" x 2"	P 180	1	623517000

### Hard stripping wheel



- For cleaning and descaling weld seams
- Removing rust, oxide layers and paint
- Strong longitudinal grinding of stainless steel

Dimensions inches	Grit	Pcs/Pkg	Order #
4" x 4"	P 46	1	623525000

### Rubberized abrasive wheels



- Rubberized silicone carbide abrasive grain coating
- For removing small scratches. For bright shining, decorative longitudinal grinding of stainless steel and non-ferrous metals

Diameter inches	Grit	Pcs/Pkg	Order #
4" x 4"	P 60	1	623510000
4" x 4"	P 180	1	623499000

### Cotton web polishing rings



- For pre-polishing non-ferrous steel in conjunction with the brown polishing paste 623522000
- Size: 4" x 3/8"
- Type: hard
- Pcs/Pkg: 8

Order #  
623508000



- For high-gloss polishing of all metals in conjunction with the blue polishing paste 623524000
- Size: 4" x 3/8"
- Type: soft
- Pcs/Pkg: 8

Order #  
623509000

### Sisal polishing rings



- For pre-polishing steel and stainless steel in conjunction with the white polishing paste 623520000
- Size: 4" x 1/2"
- Type: impregnated
- Pcs/Pkg : 5

Order #  
623507000

### Polishing paste, white



- For pre-polishing and polishing steel and stainless steel in conjunction with sisal polishing rings, for example, 623507000

Order #  
623520000

### Polishing paste, brown



- For pre-polishing and polishing non-ferrous metals in conjunction with cotton web polishing rings, for example, 623508000

Order #  
623522000

### Polishing paste, blue



- For high-gloss polishing of all metals in conjunction with cotton web polishing rings, for example, 623509000

Order #  
623524000

### Steel-wire wheel brushes



- Ideal for removing rust, deburring and cleaning metal

Diameter inches	Width inches	Wire thickness	Order #
4"	2-3/4"	.010 mm	623501000

### Stainless steel-wire wheel brushes



- With stainless wire. For cleaning weld seams, deburring, removing rust, roughening

Diameter inches	Width inches	Wire thickness	Order #
4"	2-3/4"	.008 mm	623503000

### Plastic wheel brushes




- Elastic, grain-coated wheel brush for roughening and deburring metal

Diameter inches	Width inches	Order #
4"	2-3/4"	623505000

## Burnisher Accessories


**3 spacer rings**



- For width compensation when using grinding rollers, brushes, polishing rings

**Order #**  
623511000

**Sanding belt driver**



- With smooth surface for non-slip work with grinding belts, nylon web and felt band
- Size: 3-3/8" x 2-3/4"

**Order #**  
623529000


**Guard/Spindle Accessory**



- 2" Guard/Spindle accessory

**Order #**  
626413000


**Sanding belts**



- Pink aluminum oxide
- For sanding/grinding, descaling, derusting and smoothing of pipe and tube
- Use in combination with the sanding belt roll 623529000
- Can be resealed with adhesive tape 623530000

Length inches	Width inches	Grit	Pcs/Pkg	Order #
23-5/8"	1-3/16"	P 40	10	623532000
23-5/8"	1-3/16"	P 60	10	623533000
23-5/8"	1-3/16"	P 120	10	623534000
23-5/8"	1-3/16"	P 240	10	623535000


**Adhesive tape**



- For re-closing the sanding belts

**Order #**  
623530000


## Non-woven nylon web bands



- For fine grinding or polishing, also on "closed" pipe constructions
- Recloseable by "buttonhole closure"
- Use in combination with the sanding belt roll 623529000

Length inches	Width inches	Grit	Pcs/Pkg	Order #
26"	1-3/16"	coarse (brown)	3	623536000
26"	1-3/16"	medium (maroon)	3	623537000
26"	1-3/16"	fine (blue)	3	623538000
26"	1-3/16"	super fine (grey)	3	623539000


## Felt band



- For polishing work, also on "closed" pipe constructions
- Can be used on both sides
- Recloseable by "buttonhole closure"
- Use in combination with the sanding belt roll 623529000

**Order #**  
623541000

## Stainless steel adhesive tape



- 1-9/16" W x 8' 4" L x .20 Thick, self-adhesive

**Order #**  
626376000

## Pipe / Tube Belt Sander Accessories

### Aluminum oxide sanding belts



- Suitable for use throughout the metal industry
- Grinding material with sturdy cotton base
- Good cutting output with good tool life
- Even grinding results

RBE15-180 (Belt Size: 1-1/2" x 30)			RB18 LTX 60 (Belt Size: 1-3/16" x 21")
Grit	Order #	Pcs/Pkg	Order #
P 120	626300000	10	626279000
P 180	626301000	10	626280000
P 240	626302000	10	626281000
P 320	626303000	10	626282000
P 400	626304000	10	626283000

### Zirconia alumina sanding belts



- For all metal uses, particularly suited to the processing of stainless steel
- Grinding material with cotton backing
- Fast cutting with good life
- For rough finishing and deburring of steel and stainless steel

RBE15-180 (Belt Size: 1-1/2" x 30)			RB18 LTX 60 (Belt Size: 1-3/16" x 21")
Grit	Order #	Pcs/Pkg	Order #
P 60	626305000	10	626284000
P 80	626306000	10	626285000
P 120	626307000	10	626286000

### Ceramic grain sanding belts



- For all metal uses, particularly suited to the processing of stainless steel
- Fast cutting with extremely long life thanks to the self-sharpening ceramic grain
- For rough finishing and deburring of steel and stainless steel

RBE15-180 (Belt Size: 1-1/2" x 30)			RB18 LTX 60 (Belt Size: 1-3/16" x 21")
Grit	Order #	Pcs/Pkg	Order #
P 60	626308000	10	626287000
P 80	626309000	10	626288000
P 120	626310000	10	626289000

### "Pyramid" sanding belts



- For all metal uses, particularly suited to the processing of stainless steel
- 3-dimensional structure of the grinding media (pyramid-shaped). High removal of material with, a very even and fine grinding result for the entire lifetime of the product
- Fastest finish; considerably reduces working time compared to traditional grinding methods

RBE15-180 (Belt Size: 1-1/2" x 30)			RB18 LTX 60 (Belt Size: 1-3/16" x 21")
Grit	Order #	Pcs/Pkg	Order #
P 120 (A 160)	626311000	5	626290000
P 280 (A 65)	626312000	5	626291000
P 400 (A 45)	626313000	5	626292000
P 600 (A 30)	626314000	5	626293000
P 1200 (A 16)	626315000	5	626294000
P 2000 (A6)	626316000	5	626295000

### Non-woven nylon web belts



- For grinding, cleaning and finishing work  
For removing scratches, color runs and oxide layers
- For preparing, pre-grinding and polishing weld seams

RBE15-180 (Belt Size: 1-1/2" x 30)			RB18 LTX 60 (Belt Size: 1-3/16" x 21")
Grit	Order #	Pcs/Pkg	Order #
Coarse (brown)	626319000	3	626296000
Medium (maroon)	626320000	3	626297000
Very fine (blue)	626322000	3	626298000

### Felt belt



- For polishing stainless steel and non-ferrous metals, always in conjunction with a polishing paste

RBE15-180 (Belt Size: 1-1/2" x 30)			RB18 LTX 60 (Belt Size: 1-3/16" x 21")
Grit	Order #	Pcs/Pkg	Order #
Soft	626323000	1	626299000

### Polishing paste, white



- For pre-polishing and polishing steel and stainless steel in conjunction with sisal polishing rings, for example, 623507000

Order #  
623520000

### Polishing paste, brown



- For pre-polishing and polishing non-ferrous metals in conjunction with cotton web polishing rings, for example, 623508000

623522000

### Polishing paste, blue



- For high-gloss polishing of all metals in conjunction with cotton web polishing rings, for example, 623509000

623524000

### Micro fiber cloth



- 3 micro-fiber cloths
- For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue
- Suitable for all metals and hard plastics

Order #  
626398000



## Fillet Weld Grinder Accessories

### Compressed non-woven nylon discs - VKS



- Made of compressed nylon on a fiberglass disc
- For cleaning and polishing surfaces, for smoothing weld seams; reduces the number of working stages required
- For alloy and high-alloy steels, colored and light metals, chrome and nickle steels, titanium, stainless steels
- Compressed non-woven nylon discs-vks

Dimentiones inches	Grit	Pcs/Pkg	Order #
6" x 1/8" x 1"	Medium	1	626400000
6" x 1/4" x 1"	Very fine	1	626401000
6" x 1/4" x 1"	Medium	1	626402000

### Felt disc



- For polishing stainless steel and non-ferrous metals, always in conjunction with a polishing paste

Dimensions inches	Grit	Pcs/Pkg	Order #
6" x 3/16" x 1"	Soft	1	626395000

### Micro-fiber cloth



- 3 micro-fiber cloths
- For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue
- Suitable for all metals and hard plastics

**Order #**  
626398000

## Polisher Accessories




### Hook and loop backing pads



- Hook & loop-faced, for attaching polishing and sanding accessories

Diameter inches	Pcs/Pkg	Order no.
5" Soft backing pad	1	655141000
5" Medium backing pad	1	655129000
5" Hard backing pad	1	623298000
7" Hard backing pad	1	655143000

### 5" Hook and loop backed accessories

Diameter inches	Description	Pcs/Pkg	Order no.
 5"	Cling-fit intermediate disc for uneven surfaces	1	631216000
 5"	Polishing sponge	1	631222000
 5"	Lambs wool buff	1	631223000

## Band File Accessories

### Aluminum oxide sanding belts



- Suitable for use on metals or wood
- Good removal rate with good belt life
- Consistent results

Grit	Pcs/Pkg	Order no. 1/4 x 18	Order no. 1/2 x 18	Order no. 3/4 x 18
P 40	10	626326000	626332000	626338000
P 60	10	626327000	626333000	626339000
P 80	10	626328000	626334000	626340000
P 120	10	626329000	626335000	626341000
P 240	10		626337000	

### Zirconia alumina sanding belts



- For all metal uses, particularly suited to the processing of steel/stainless steel
- Excellent removal rate and long belt life
- For rough finishing and deburring

Grit	Pcs/Pkg	Order no. 1/4 x 18	Order no. 1/2 x 18	Order no. 3/4 x 18
P 40	10	626344000	626348000	626352000
P 60	10	626345000	626349000	626353000
P 80	10	626346000	626350000	626354000
P 120	10	626347000	626351000	626355000

### Ceramic grain sanding belts



- For all metal uses, particularly suited to the processing of steel/stainless steel
- Extremely high removal rate with excellent belt life due to self sharpening ceramic grains
- For rough and medium finishing and deburring

Grit	Pcs/Pkg	Order no. 1/4 x 18	Order no. 1/2 x 18	Order no. 3/4 x 18
P 40	10	626356000	626360000	626364000
P 60	10	626357000	626361000	626365000
P 80	10	626358000	626362000	626366000
P 120	10	626359000	626363000	626367000

### Non-woven nylon web bands



- For grinding, cleaning and finishing work
- For removing scratches, color runs and oxide layers
- For preparing, pre-grinding and polishing weld seams

Grit	Pcs/Pkg	Order no. 1/4 x 18	Order no. 1/2 x 18	Order no. 3/4 x 18
Coarse (brown)	5	626383000	626387000	626391000
Medium (maroon)	5	626384000	626388000	626392000
Very fine (blue)	5	626386000	626390000	626394000

### Sanding belt arms



- Suitable for sanding belts 1/4 x 18 in. and 1/2 x 18 in.
- For sanding narrow areas, weld seams, deburring edges
- Work on flat or curved surfaces

**Order #**  
626379000



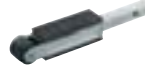
- Suitable for sanding belts 1/4 x 18 in.
- For sanding narrow areas, edges, deburring pipe and tube
- Work on flat surfaces

626380000



- Suitable for sanding belts 1/2 x 18 in.
- For sanding edges, deburring pipes, sanding welds
- Work on flat surfaces

626381000



- Suitable for sanding belts 3/4 x 18 in.
- For grinding edges and surfaces
- Work on flat surfaces

626382000

### Micro-fiber cloth



- 3 micro-fiber cloths
- For cleaning and evenly distributing protective media and polishes
- For removing pastes and cream residue
- Suitable for all metals and hard plastics

**Order #**  
626398000

# BENCH GRINDERS



**DS 150**  
6" Bench Grinder



**DS 175**  
7" Bench Grinder



**DS 200**  
8" Bench Grinder



**DSD 250**  
10" Bench Grinder

Model	DS 150 619150420	DS 175 619175420	DS 200 619200420	DSD 250 619250420
Magnetic switch with Restart protection		•	•	•
Toolless stamped steel tool rest	•	•	•	•
Steel guard, quick opening	•			
Steel guard with dust collection port		•	•	•
Maintenance free induction motor	•	•	•	•
Large toolless adjustable spark guards	•	•	•	•
Vibration absorbing rubber mounts	•	•	•	•
Maximum torque	18 inch lbs.	18 inch lbs.	21 inch lbs.	53 inch lbs.
Motor power	120V, 60 Hz, single phase	120V, 60 Hz, single phase	120V, 60 Hz, single phase	120V, 60 Hz, single phase
No-load speed (RPM)	3,570	3,570	3,570	1,780
Amps	3.8	3.7	4.8	7.5
Rated input watts	450	500	600	900
Arbor size	1/2"	1"	1-1/4"	1-1/4"
Tool weight	22 lbs.	32 lbs.	36 lbs.	74 lbs.
Shipping weight	24 lbs.	36.5 lbs.	41 lbs.	80 lbs.
Length	13.5"	16"	17.3"	20.8"
<b>Standard equipment:</b>	Hex wrench	Hex wrench	Hex wrench	Hex wrench
	36 Grit wheel (6"x3/4"x1/2")	36 Grit wheel (7" x 1" x 1")	36 Grit wheel (8" x 1"x 1-1/4")	36 Grit wheel (10" x 1-1/2" x 1-1/4")
	60 Grit wheel (6"x3/4"x1/2")	60 Grit wheel (7" x 1" x 1")	60 Grit wheel (8" x 1"x 1-1/4")	60 Grit wheel (10" x 1-1/2" x 1-1/4")



**BENCH GRINDER ACCESSORIES**

Floor Stand  
with storage slots and water cup.

**Order #**  
623867000



Wall Mount Bracket  
Suitable for 7" or 8" bench grinders.

**Order #**  
623862000





Quick release adjustable vise adds versatility.

**CS 23-355**  
14" Chop Saw

Model	CS 23-355 602335420
Lock-off button for safety	•
Spindle lock for convenient wheel changes	•
Pivoting wheel guard	•
All ball bearing construction for long life	•
Auto-stop carbon brushes (externally accessible)	•
Durable steel base	•
Maximum vise open	9 3/8"
Maximum cutting capacity	
- bar	2 1/2"
- pipe	5"
- section steel	4 1/2" x 5 1/8"
No-load speed (RPM)	4,100
Amps	15
Rated input watts	2,300
Arbor size	1"
Vise angle (adjustable)	0°-45°
Tool weight	38 lbs.
Shipping weight	43 lbs.
Standard equipment:	344163520 wrench

### Type 1 Cutting Wheels for Chop Saws

Order #	Size	Max. RPM	Pcs/Pkg	Formula	Wheel
616340000	14 X 3/32 X 1	4,300	10	A24M	Original
655236000	14 X 3/32 X 1 Internal Reinforced	4,300	10	A30P	Original
616215000	16 X 3/32 X 1	3,820	10	A24M	Original
616337420	12 X 3/32 X 1	5,100	10	A30R	Original Long Life
616146000	14 X 3/32 X 1	4,300	10	A30S	Original Long Life





See cordless drills page 26



**BEV 1300-2**  
1/2" 2-Speed Drill



**BE 75-16**  
1/2" Triple Gear Reduction  
Drill High Torque

Model	BEV 1300-2 600574420	BE 75-16 600580420
Electronics	Vario-tacho-constamatic	Variospeed
Aluminum die-cast gear housing	•	•
Gear-box	2-speed	Triple gear reduction
High torque, e.g. for use with auger bits up to 2" in dia.		•
Rubber coated comfort grip	•	•
Safety non-slip side handle	•	•
Reversing switch	•	•
Chuck	1/2" Geared (635250000)	1/2" Geared (635250000)
Metabo mechanical slip clutch	•	•
Swivel cord connection	•	
Auto-stop carbon brushes	•	•
Winding protection grid	•	•
Extra long, safety non-slip side handle	•	•
Switch locking catch, equally accessible to right & left hand		•
Overload protection	•	
Power interruption protection	•	
Maximum tightening torque	390 inch lbs.	664 inch lbs.
Capacity		
- in mild steel	5/8"	5/8"
- in softwood	1 9/16"	2"
No-load speed (RPM)	0-1,100/0-3,100	0-650
Amps	9.6	6.7
Rated input watts	1,100	750
Chuck capacity	1/2"	1/2"
<b>Standard equipment:</b>	Chuck key (635167000) Side handle (314001030) 1/2 geared chuck (63525000)	Chuck key (635167000) Side handle (314001030) 1/2 geared chuck (63525000)

# DRILL PRESSES

**CORDED  
MAG 32**  
1-1/4" Electromagnetic Drill Press



**CORDED  
MAG 50**  
2" Electromagnetic Drill Press



Model	MAG 32 600635620	MAG 50 600636620
Vario tacho constamatic (VTC) electronics		•
LongLife motor	•	•
Aluminum die-cast gear housing	•	•
2-speed gear-box		•
LED Light illuminates drilling path	•	•
Variable speed dial		•
Reversing switch (for tapping)		•
Electronic overload protection		•
Power interruption protection		•
Integrated coolant container	•	•
Maximum torque	443 inch lbs.	797 inch lbs. / 443 inch lbs.
Capacity		
- in mild steel w/ annual cutters	1-1/4"	2"
- in mild steel w/ solid bits	1/2"	13/16"
Maximum drilling depth	2"	2"
Thread cutting	n/a	5/8" Max.
No-load speed (RPM)	700	100-250/200-450
Amps	9	11.9
Rated input watts	1,000	1,200
Bit retention	Weldon 3/4"	Morse taper MT2, Weldon 3/4"
Dimensions of magnetic base	3-9/16" x 7-1/2"	3-9/16" x 7-1/2"
Stroke	6-5/16"	6-5/16"
Height at highest position	19"	24"
Height at lowest position	13.3"	18"
Tool weight	22.5 lbs.	28 lbs
Shipping weight	30.5 lbs.	36 lbs.
Carrying case	344453960 (standard)	344453960 (standard)
<b>Standard equipment:</b>	Safety strap (341148140)	Safety strap (341148140)
	Allen wrench (344163630)	Allen wrench (344163620)
	Weldon 3/4" chuck	MT2 drift key (642395000)
	Centering pin 3" (626608000)	Weldon 3/4" industrial tool holder (316046240)
		Centering pin 3" (626608000)
		Centering pin 4" (626609000)
<b>Optional equipment:</b>		
Universal cutting spray	(626606000)	(626606000)
Weldon 3/4" to 1/2" chuck adaptor	(626611000)	(626611000)
Adaptor for weldon to FEIN quick IN	(626600000)	(626600000)
	Centering pin 3" (626608000)	Quick change weldon 3/4" tool holder (626604000)





DRILL ACCESSORIES



**600890000 Drill Stand**  
Adjustable depth guide.  
Tool clamp dia.: 43 mm  
Stroke: 2 9/16"  
Distance - center to column: 6 1/2"  
Base dimensions: 8 5/8" x 8 3/8"



**627256000 X3 Attachment**  
Multiplies torque by 3 times for tasks that demand more power. Fits the BS18 LTX BL Quick, BE1100 or BE75-16 with chucks removed.



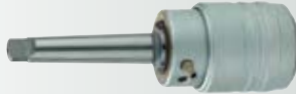
**626611000 Weldon 3/4" to 1/2-20 Chuck Adaptor**  
Allows use of any chuck with 1/2-20 mounting threads.



**626600000 Adaptor for Weldon to FEIN Quick IN**



**626608000 Centering pin 3"**  
**626609000 Centering pin 4"**



**626604000 Quick change Weldon 3/4" tool holder**  
Toolless cutter change.



**Concrete / Stone Surface Prep**

**Masonry Cutting**

**Concrete / Masonry Drilling & Breaking**

**OSHA  
COMPLIANT**

See page 122-123 for vacuum and accessories



05



# Concrete & Masonry Solutions

- Full range of OSHA Compliant\* dustless solutions (tools, vacuum and shrouds)
- Specially designed systems to outperform the applications
- Powerful, light weight tools
- High torque for demanding applications
- Wide ranges of available accessories
- Ergonomically designed

\*CFR 1926.1153 for respirable crystalline silica



# METABO COMPLIANT SYSTEMS



## THE HEART OF THE DUSTLESS SYSTEM 157 CFM, NO SUCTION LOSS WHEN IN SELF CLEANING MODE

Power dial: Adjust to provide tool with proper power/amp supply

Durable wheels: Large rear wheels. Front wheels swivel and can lock for ease of use

Electromagnetic cleaning process: Vacuum maintains suction while cleaning



**MADE IN GERMANY**

Mode selection dial  
Tool outlet: The vacuum starts and stops automatically when the tool is turned on/off

Flip door release

WET / DRY Capable

Hose locking system: The vacuum can be pulled across the job site

**9** GALLON  
CAPACITY

**157** CFM  
AIRFLOW

### ACCESSORIES



Fleece Pre-filter Bags (5)  
630343000



PE Collection Bags (5)  
630325000



1-1/2" x 13' Anti-static  
Suction Hose  
631370000



Standard Polyester Filter Set (2)  
631934000



HEPA filter set (2)  
630326000

### SURFACE GRINDING / PREPARATION

TABLE 1  
COMPLIANT



RFEV 19-125 RT



5" Variable Speed  
Concrete Grinder  
RSEV 19-125 RT



5" Variable Speed  
Concrete Grinder  
RSEV 17-125 Set

**NEW**

### AUTO CLEAN VACUUM

**157**  
CFM



**ASR 35 ACP HEPA**  
Auto-Clean HEPA Vacuum  
602057800

### CUTTING / SCORING / TUCKPOINTING / CHASING

TABLE 1  
COMPLIANT



5" Concrete Cutter Set  
T 13-125 CED Set



5" TuckPoint Set  
T 13-125 TuckPoint Set



Wall Chaser  
MFE 40

**NEW**

**NEW**

+



# FLEXIBILITY FOR MEETING OSHA CFR 1926.1153

TABLE 1 COMPLIANT  
GRINDING / CUTTING / SCORING

## ANGLE GRINDERS



4 1/2" / 5" Angle Grinder  
W 1100-125



4 1/2" / 5" Angle Grinder  
WP 1100-125



Electronic Variable Speed  
4 1/2" / 5" Angle Grinder  
WEV 11-125



Electronic Variable Speed  
4 1/2" / 5" Angle Grinder  
WEV 15-125 Quick



Electronic 5" Angle Grinder with  
Non-locking Paddle Switch, Brake,  
Auto-balance and Drop Secure  
WEPBA 17-125 Quick DS



Electronic Variable Speed  
6" Angle Grinder  
WEV 15-150 HT



Electronic Variable Speed  
4 1/2" / 5" Angle Grinder  
WEV 15-125 HT

## SHROUDS



5" GED Grinding  
Shroud  
626732000



5": For all current  
small professional  
angle grinders  
655153000



5" Clip-on Dustless  
Cutting Shroud  
630401000



CED 125 Plus Anti-Static Cutting  
Shroud with rolling guides  
626731000



Dustless Tuckpoint Guard  
Fits all professional angle grinders  
628216000

## AUTO-CLEAN VACUUM



157  
CFM



ASR 35 ACP HEPA  
Auto-Clean HEPA Vacuum  
602057800

TABLE 1 COMPLIANT  
DRILLING SOLUTIONS

## ROTARY HAMMERS



1" SDS-Plus Hammer  
KHE D-26



1 1/4" SDS-Plus Hammer  
KHA 36-18 LTX 32 (2x18V)



1 9/16" SDS-Max Hammer  
KH 5-40



1 9/16" SDS-Max Hammer  
KHEV 5-40 BL



1 3/4" SDS-Max Comb. Hammer  
KHEV 8-45 BL



2 1/16" SDS-Max Demolition /  
Chipping Hammer  
KHEV 11-52 BL

## EXTRACTORS

Dual suction chamber collects  
dust while allowing full suction  
to adhere to walls or ceilings.



630829000

9/16" Dust extraction accessory  
Dustless drilling up to 9/16" dia.  
Model: DDE 14



631343000

2-3/4" Dust extraction accessory  
Dustless drilling up to 2-3/4" dia.  
Model: DDE 72



623271000

Dust extractor for drilling  
and chiseling  
Model: ESA Max

OBJECTIVE  
DATA



1" SDS-Plus Comb18V Hammer  
with integrated dust extraction

KHA 18 LTX BL 24 + ISA 18 LTX  
1,200 RPM 4,500 BPM

Ask for  
objective  
data



9" Masonry Cutting Tool  
T 24-230 MVT CED  
6,600 RPM 15 Amps



7" Surface Prep Kit  
W 24-230 MVT with  
Dust Control Shroud  
6,600 RPM



# CONCRETE GRINDERS



**RFEV 19-125 RT**  
5" Variable Speed Concrete Scarifier



**RSEV 19-125 RT**  
5" Variable Speed Concrete Renovation Grinder



**RSEV 17-125 Set**  
5" Concrete Grinder Kit



Model w/Concrete Diamond Cup Wheel*	RFEV 19-125 RT	RSEV 19-125 RT US603825751	RSEV 17-125 Set 603829620 (KIT)
<b>Tool Only</b>	<b>603826760</b>	<b>603825750</b>	
Wheel diameter	5"	5"	5"
Motor	LongLife high torque		
Switch with lock-on capability	•	•	•
Electronics:	Vario-tacho-constamatic (VTC)	Vario-tacho-constamatic (VTC)	Vario-tacho-constamatic (VTC)
Power interruption protection	•	•	•
Electronic soft start	•	•	•
Electronic overload protection	•	•	•
Metabo safety slip clutch		•	•
Floating brush ring	•	•	
Aluminum die-cast "Turbo" dustless guard	•	•	
Near wall access	•	•	•
<b>Heavy Duty</b> aluminum die-cast flange	•	•	•
5 Position ergonomic, adjustable loop handle	•	•	
Anti-vibration side handle			•
No-load speed (RPM)	750-3,100 RPM	3,200-8,200	2,800-9,600
Amps	15.0	15.0	14.5
Rated input watts	1,900	1,900	1,550
Arbor size		7/8"	7/8"
Spindle thread	M14	5/8"-11	5/8"-11
Carrying case (standard)	344455160	344455160	344455290
<b>Standard equipment:</b>			
Vacuum adaptor	630796000	630796000	
5 Position adjustable loop handle	343399690	343399690	
MVT Vibratex side handle			314000970
Additional brush ring	628215000	628214000	626733000
Scarifier head pointed stars	628218000		
Inner flange		341031290	341031290
Locking nut		341101480	341101480
Offset spanner wrench	623910000	623910000	623910000
5" Concrete diamond cup wheel		628205000	628209000
Shroud			626732000
<b>Optional equipment:</b>	Scarifier head, offset stars (628219000)	Diamond cup whl for hard concrete (628205000)	
		Diamond cup whl for green concrete, abrasive materials (628206000)	
		PCD diamond cup wheel (628208000)	

## CONCRETE ACCESSORIES



**628206000**  
Diamond cup wheel for green concrete



**628208000**  
PCD wheel (protective concrete coatings) for epoxies and sealants



**628205000**  
Universal diamond cup wheel for concrete



**628209000**  
For hard materials



**628218000**  
Milling head, pointed complete  
**628219000**  
Milling head, offset complete



**628270000**  
10 Milling stars, pointed  
**628271000**  
10 Milling stars, offset

# CONCRETE GRINDER AND SURFACE PREP KITS

**MADE IN GERMANY**

**Excellent Ergonomics:**  
Adjustable D-Handle for perfect control

**Turbo Airflow Design:**  
Cools and cleans spindle bearing for extended life

**Convertible Feature:**  
Flush grinding to the wall

**Spring mounted brush ring**  
Excellent handling on rough surfaces, longer brush life

**Powerful 15A Long Life Motor:**  
Soft start, overload protection, restart protection

**VTC Full Wave Electronics:**

- Work at customized speeds to suit the application material
- Speeds remain almost constant, even under load



**Excellent Ergonomics:**  
Rat tail with lock-on switch for extended grinding and reduced fatigue

Tool free depth control



LEARN MORE!

**RFEV 19-125 RT**  
5" Variable Speed Scarifier



**5" Surface Prep Kit**  
WEV 15-125 HT with Dust Control Shroud



with ASR 35 ACP  
(Ask for objective data)

**7" Surface Prep Kit**  
W 24-230 MVT with Dust Control Shroud

Model Kit:	WEV 15-125 with Dust Control Shroud US600562800	W 24-230 MVT with Dust Control Shroud US606467800 USCA606467800 (Canada)
Motor	LongLife	LongLife
Switch w/ lock on capability	•	•
Side handle	Vibration dampened	Anti-vibration
Auto-stop carbon brushes	•	•
Winding protection grid	•	•
Electronics features:		
Speed stabilization	VTC	
Power interruption protection	•	
Soft start feature	•	
Overload protection w/ LED	•	
Maximum wheel diameter	4 1/2" - 5"	7"
No-load speed (RPM)	2,800-9,600	6,600
Amps	13.5	15
Rated input watts	1,550	2,400
<b>Standard equipment:</b>		
Side Handle	316046590	314000960
Type 27 wheel guard	339204500	339203260
Loop handle		US630342000
Handle bolt (2 req.)		141110390
Convertible shroud	655153000	655154000
Vacuum adaptor	630316000	630316000
Universal wheel mounting kit for non threaded wheels		US90357031



# MASONRY CUTTING AND WALL CHASER

**T 13-125 CED Set**  
4 1/2"-5" Masonry Cutting/  
Scoring Tool  
with Guide Rollers

**NEW**



**T 24-230 MVT CED**  
9" Masonry Cutting Tool

**MFE 40**  
Wall Chaser



**Model Kit:** Tool, Shroud,  
1 Diamond Wheel

**T 13-125 CED Set**  
**600431680**

**T 24-230 MVT CED**  
**600435620**

**Model Wall Chaser:**

**MFE 40**  
**604040620**

**Tool Only:**

**600431420**

Maximum wheel diameter	5"	9"
Maximum cutting depth		
without base plate	1-1/16"	2-3/8"
with base plate	1"	
with guide rail	25/32"	
Base plate size	6-11/16" x 11-1/8"	
Motor	LongLife high torque	LongLife high torque
AC/DC capability	•	•
Switch with lock-on capability	•	•
Metabo slip clutch	•	
Winding protection grid	•	•
Maximum torque	30.1 inch lbs.	4.5 HP/150 in. lbs.
Low profile aluminum die-cast gear housing	•	•
Rotatable gear housing	•	
Auto-stop carbon brushes	•	•
Plunge function	•	
Removable base plate	•	
Toolless adjustable cutting depth	•	•
Steel base plate	•	•
Steel base plate w/ guide rollers	•	•
Ability to use with guide rail	•	
Aluminum die-cast flange	•	•
No-load speed (RPM)	9,600	6,600
Amps	12.0	15.0
Rated input watts	1,350	2,400
Arbor size	7/8"	7/8"
Spindle thread	5/8"-11	5/8"-11
Dust extraction port	35mm (1-3/8")	35mm (1-3/8")
<b>Standard equipment:</b>		
Shroud	626731000	US626752000
Concrete diamond cutting wheel	628559000 (5")	628562000 (9")
Spanner wrench	623934000	623910000
Inner flange	341031290	341031290
Locking nut with spacer	316060150	341212950
Side handle	314000970 (Anti-vibration)	314000280
Spacers		341032380

Maximum wheel diameter	5"
Motor	LongLife high torque
Switch with lock-on capability	•
Power interruption protection	•
Electronic soft start	•
Electronic overload protection	•
Metabo slip clutch	•
Winding Protection Grid	•
Adjustable Handle	•
Maximum Torque	54 in lbs.
No-load speed (RPM)	5,000
Amps	15.0
Rated input watts	1,700
Arbor size	7/8"
Spindle thread	M14
Width of cut	3/8", 5/8", 7/8", 1-1/8"
Adjustable depth of cut	3/8" to 1-9/16"
Tool weight (including diamond wheel)	10.1 lbs.
Carrying case (standard)	344455860
<b>Standard equipment:</b>	
5" Concrete diamond cutting wheel (2)	624307000
Offset spanner wrench	623934000
Spacer set	341032380
Clamping nut	341212450
Inner flange	341212440
Chisel	344147650

**Guide Rails for T 13-125 CED**

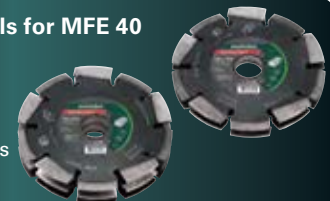
**FS 80 #629010000**  
**FS 160 #629011000**



**Diamond Channeling Wheels for MFE 40**

Cuts 3/4" channel in one pass  
**#628298000**

Cuts 1-3/16" channel in one pass  
**#628299000**



See all guide rail accessories page 35



**T 13-125 Tuck Point Kit**

Tuck Point Kit



Side of guard opens for tuck-pointing 90 degree corners

**LongLife Motor with Winding Protection Grid**  
For quicker material removal and longer service life

**Rear Air Intake**  
Maximizes flow of cooling air, for increased protection from overheating and overload

**S-Automatic Safety Clutch**  
Increased safety, predictable handling  
Clutch helps to protect operator from kick back



Great line of sight so you can see your motor joint

**Tuck Point Guard**  
Dust extraction guard for quick removal of mortar joints

**MVT Vibratex Handle**  
Reduces vibration by up to 60% compared to other handles. The risk of "White Finger Syndrome" caused by vibration exposure over the workers' lifespan is reduced considerably!

<b>Model</b>	<b>T 13-125 Tuck Point Kit</b>
<b>Kit:</b> Tool, Shroud, 2 Diamond Wheels	<b>600431690</b>
<b>Tool Only:</b>	<b>600431420</b>
Maximum wheel diameter	5"
Motor	LongLife high torque
AC/DC capability	•
Switch with lock-on capability	•
Metabo safety slip clutch	•
Maximum Torque	30.1 inch lbs.
Low profile aluminum die-cast gear housing	•
Heavy duty die-cast flange	•
Rotatable gear housing	•
Auto-stop carbon brushes	•
Winding protection grid	•
No-load speed (RPM)	9,600
Amps	12.0
Rated input watts	1,350
Arbor size	7/8"
Spindle thread	5/8"-11
Dust Extraction port	2-1/4"
<b>Standard equipment:</b>	
2" to 2 1/4" Vacuum adaptor	316054000
Dustless tuck point guard	628216000
5" Turbo Sandwich Diamond Blade	624304000
Spanner wrench	623934000
MVT Vibratex side handle	314000970
Inner flange	341031290
Locking nut	341101480
1-1/4" Hose adaptor for ASR 35 ACP HEPA	630316000

See page 122-123 for vacuum and accessories

# POLISHERS



Backing pad  
not included

**CORDED**  
**Variable Speed High Torque**  
**Dry Polisher**  
PE 15-20 RT



**CORDED**  
**Variable Speed High Torque**  
**Dry Polisher**  
PE 15-30



**PWE 11-100**  
**Variable Speed High**  
**Torque Wet Polisher**

Model	PE 15-20 RT 615200420	PE 15-30 615300420
Maximum pad diameter	7"	7"
Double insulated	•	•
Electronic features:		
Speed stabilization	Vario-tacho-constamatic (VTC)	
Power interruption protection	•	•
Overload protection	•	•
Soft start feature	•	•
Restart protection	•	•
Electronic winding temperature monitor with LED display	•	•
Winding protection grid	•	•
Planetary gearing	•	•
Variable speed controlled by adjusting dial	•	•
Auto-stop carbon brushes	•	•
No-load speed (RPM)	300-1,900 RPM	800-3,000 RPM
Amps	13	13
Rated input watts	1,500	1,550
Spindle thread	5/8"-11	5/8"-11
Carrying case		
<b>Standard equipment:</b>		
Side handle	314000540	
Loop handle		•
<b>Optional equipment:</b>		
5" soft backing pad	655141000	655141000
5" medium backing pad	655129000	655129000
5" hard backing pad	623298000	623298000
7" hard backing pad	655143000	655143000

Model	PWE 11-100 602050420
Vario tacho constamatic (VTC) electronics	•
Low profile aluminum die-cast gear housing	•
Housing cover to protect surfaces	•
Splash proof ventilation slots	•
Water supply through spindle	•
Motor	LongLife
Standard 1/2" quick connect	•
Ergonomic adjustable D-handle	•
Electronic winding temperature monitor with LED display	•
GFCI included for electrical safety	•
Auto-stop carbon brushes	•
Electronic soft start feature	•
Electronic speed stabilization	•
Maximum torque	34 inch lbs.
Backing pad size	4"-5"
No Load speed (RPM)	1,700-5,400
Amps	9.6
Rated input watts	1,100
Spindle thread	5/8"-11
<b>Standard equipment:</b>	Loop handle (343399690)
<b>Optional equipment:</b>	Tool Bag (657006000)



Backing pad not included on above tools

# 4 1/2"-5", 6" VARIABLE SPEED ANGLE GRINDERS



**WEV 11-125**  
Electronic Variable Speed  
4 1/2"/ 5" Angle Grinder



**WEV 15-125 HT**  
Electronic Variable Speed  
4 1/2"/ 5" Angle Grinder



**WEV 1500-125 RT**  
4 1/2"/ 5" Variable Speed  
Angle Grinder



**WEV 15-125 Quick**  
Electronic Variable Speed  
4 1/2"/ 5" Angle Grinder



**WEV 15-150 HT**  
Electronic Variable Speed  
6" Angle Grinder

Model	WEV 11-125 603625420	WEV 15-125 Quick 600468420	WEV 15-125 HT 600562420	WEV 1500-125 RT 601243420	WEV 15-150 HT 600563420
Maximum wheel diameter	4 1/2" - 5"	4 1/2" - 5"	4 1/2" - 5"	4 1/2" - 5"	6"
Amps	11.0	13.5	13.5	13.2	13.5
Rated input watts	1,000	1,550	1,550	1,500	1,550
No-load speed (RPM)	2,800-10,500	2,800-11,000	2,800-9,600	3,500-11,000	2,000-7,600
Switch Type	Lock-on slide	Lock-on slide	Lock-on slide	Locking trigger	Lock-on slide
Motor	LongLife	LongLife	LongLife	<b>Heavy Duty</b>	LongLife
Metabo safety slip clutch	•	•	•	•	•
Quick wheel change system		•			
Electronics features:					
Speed stabilization	VC	VTC	VTC	VTC	VTC
Power interruption protection	•	•	•	•	•
Soft start feature	•	•	•	•	•
Overload protection w/ LED	•	•	•	•	•
Rotatable gear housing	•	•	•		•
Burst-proof guard w/ 7 stops	•	•	•	•	•
Vibration dampened side handle	•		•		•
Side handle		Anti-vibration		Ergonomic	
Auto-stop carbon brushes	•	•	•	•	•
Winding protection grid	•	•	•		•
<b>Standard equipment:</b>					
Type 27 wheel guard	339204500	339204500	339204500	339203490	339204510
Side handle	316046590	314000970	316046590	316046590	316046590
Inner flange	341031290	341031290	341031290	341031290	341031290
Locking nut	341101480	316055450	341101480	341101480	341101480
Spanner wrench	623934000		623934000	623934000	623934000
<b>Optional equipment:</b>					
Type 1 cutting guard (steel)	US339203040	US339203040	US339203040		US339203050
Quick-clip on type 1 cutting guard	630352000	630352000	630352000	630352000	630353000
Dust filter		630709000	630709000		630709000

**WILL NEVER LOSE SUCTION WHILE CLEANING!**

**RATED #1**



**Auto Clean Wet/Dry Vacuum**

ASR 35 ACP  
#602057800 HEPA

**9** GALLON CAPACITY    **1400** WATTS / **11** AMPS    **157** CFM AIRFLOW

**Cordless Dry 74 CFM HEPA Vacuum**

AS 18 PC HEPA  
#602021860 (BARE)

**2** GALLON CAPACITY    **120** CFM AIRFLOW

**Model**  
**Auto Clean HEPA Vacuum:**

**ASR 35 ACP**  
**602057800**

Automatic electromagnetic vibration filter cleaning	•
Stable design	•
Extra large rear wheels	•
Integrated power outlet with autostart	•
Power control	•
7 sec. run on prevents hose clogs	•
Airflow, CFM	157
Max. vacuum pressure mBar	248
Filter surface inches <sup>2</sup> total	1333
Rated input watts/amps	1400/11
Container capacity	9 gallons
Tool weight	33.1 lbs.
<b>Standard:</b>	
Suction hose 1-1/2" x 11.5 ft	631362000
PE collection bag	630325000
HEPA Filter Set (washable)	630326000
<b>Optional:</b>	
Transport handle	630311000
Vacuum wand	630317000
Crevice tool	630323000
Floor tool	630321000 or 630329900
PVC Filter Set (washable)	631934000
Adaptor for hose to 2-1/4" inlet	630316000
Fleece pre-filter bag 5pk	630343000



**Model**  
**Bare Tool:**

**AS 18 PC HEPA**  
**602021860**

Press clean: manual filter cleaning uses powerful air stream	•
Dual power setting: Eco-mode for extended run time. Boost for powerful suction	•
Non-slip rubber base	•
Metaloc box, designed for stacking	•
Capacity display	•
Run time (with 8.0 Ah)	20 min / 40 min (ECO)
Airflow, CFM	74
Max. vacuum pressure mBar	120
Container capacity (dry pick-up)	2 gallons
<b>Standard:</b>	
Fleece bag	630173000
Stretchable suction hose Collapsed length 2.5 ft, extends 11 ft	630176000
Additional brush ring	628215000
Floor nozzle	630320000
Crevice tool	630323000
<b>Optional:</b>	
5 Fleece Filter Bags	630173000
Portable base w/locking casters	630174000
HEPA Filter	630175000



SHROUDS

Dustless Convertible Shroud for concrete surface prep

**655154000**

7": For all current large professional angle grinders

**655153000**

5": For all current small professional angle grinders



**626732000**  
5" GED Grinding Shroud

**630401000**  
5" Clip-on Dustless Cutting Shroud

**626731000**  
CED 125 Plus Anti-Static Shroud with rolling guides

**628216000**  
Dustless Tuckpoint Guard. Fits all professional angle grinders

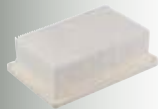
**US626752000**  
CED 230  
9" Dustless concrete cutting shroud fits Metabo 9" large grinders. **Professional series only**

BAGS AND FILTERS

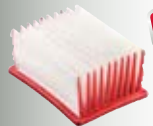


**631934000**  
Standard Polyester Filter Set (2)

**630326000**  
HEPA filter set (2)



**630175000**  
HEPA Filter for AS 18 PC HEPA cordless vacuum



**623768000**  
HEPA Filter for ISA 18 LTX



**630173000**  
Fleece Bag for Cordless HEPA vacuum, AS 18 PC HEPA



**630343000**  
Fleece Pre-filter Bags (5)



**630325000**  
PE Collection Bag (5)

DUST CONTROL ACCESSORIES



**630829000** 9/16" Dust extraction accessory  
Dustless drilling up to 9/16" dia. (model DDE 14)



**631343000** 2-3/4" Dust extraction accessory  
Dustless drilling up to 2-3/4" dia. (model DDE 72)



**623271000**  
Dust extractor for drilling and chiseling (model ESA Max)

HOSES



**631362000**  
1-1/2" x 11.5' Standard Hose included with ASR 35 ACP. Durable, crush proof, high quality



**631370000**  
1-1/2" x 13' Anti-static Suction Hose. Durable, crush proof, high quality



**630176000**  
1-1/8" x 11' Hose for AS 18 PC HEPA cordless vacuum. Stretchable suction hose. Collapsed length 2.5 ft



**630312000**  
2'-1/4" x 10' Hose for Large Machine applications, fits with 655154000, 655155000 Shrouds



**631751000**  
6' x 1 1/2" diameter and 2 1/4" vacuum connection for use with Sander

ADAPTORS



**630798000**  
Standard swivel rubber adaptor 35mm



**630796000**  
Hose adaptor for RSEV 19-125 RT, RFEV 19-125 RT, W 12-125 HD CED Plus, WE 15-125 HD GED



**630316000**  
Extraction Adaptor 35/58mm

ATTACHMENTS



**630317000**  
Wand



**630321000**  
Nozzle Set (3 piece)



**630245000**  
Upholstery Brush



**630314000**  
Plastic Suction Pipes 35mm



**630329000**  
Plastic Floor Nozzle



**630244000**  
Universal Brush



**630320000**  
Suction Nozzle 35mm X 120mm wide



**631363000**  
Metal Suction Pipes 35mm



**631940000**  
Metal Nozzle



**630324000**  
Rubber Nozzle



**630323000**  
Crevice (Grout) tool

# SDS-PLUS COMBINATION HAMMERS

## 1" SDS-Plus Combination Hammer

KHE D-26  
#601109420



## 1" 18V SDS-Plus Combination Hammer with Integrated Dust Collection

KHA 18 LTX BL 24 Quick + ISA 18 LTX  
#600211950 (w/Dust Extraction) 5.2 Ah Kit  
#600211900 (w/Dust Extraction) No batts.  
#600211850 Tool Only



Ask for objective data

**MADE IN GERMANY**



**KHA 18 LTX BL 24 + ISA 18 LTX**  
1" 18V SDS-Plus Combination Hammer  
with Integrated Dust Collection



**KHE D-26**  
1" SDS-Plus Combination  
Hammer



**KHE 3250**  
1 1/4" SDS-Plus  
Combination Hammer w/Rotostop



**KHA 36 LTX**  
1 1/4" 36V SDS-Plus  
Combination Hammer

Model	KHA 18 LTX BL 24 + ISA 18 LTX (18V) 600211950 (+ Dust Extraction) 5.2 Ah Kit	KHE D-26 601109420	KHE 3250 600637420	KHA 36 LTX (36V) 600795520 5.2 Ah Kit 600795840 Tool Only
	<b>KHA 18 LTX BL 24 + ISA 18 LTX (18V) (+ Dust Extraction) 600211900</b> No batts.			<b>KHA 36-18 LTX 32 (2x 18V) 600796840</b> Tool Only
	<b>600211850</b> Hammer Only			
Single blow energy (EPTA)	2.2 J	2.3 J	3.1 J	3.1 J
Electronics	Vario-speed	Vario-speed	Vario-speed	Vario-speed
Motor	Brushless 18V	<b>Heavy Duty</b>	Long Life	Cordless 36V
Max tightening torque (inch lbs.)	133			142
Quick Chuck system	•			•
Rotation stop for chiseling operations	•	•	•	•
Percussion stop for drilling only	•	•	•	•
Aluminum die-cast gear housing	•	•	•	•
Reversing switch	•	•	•	•
Metabo safety slip clutch	•	•	•	•
Rubber coated handle	•	•	•	•
Auto-stop carbon brushes	•	•	•	
Winding protection grid	•	•	•	•
Capacity				
-in concrete using solid bits	1"	1"	1-1/4"	1-1/4"
-in brickwork using thin wall core bits	2-1/2"	2-5/8"	3-1/4"	2-3/4"
No-load speed (RPM)	1,200	960	1,150	1,100
No-load blows per minute (BPM)	4,500	5,400	4,470	4,500
Amps		7.0	7.2	
Rated input watts		800 W	800 W	
<b>Standard equipment:</b>				
Side handle	314001140	631052000	314001380	314001380
Depth gauge		341511630	341511630	341511630
Quick SDS-Plus chuck				316047350
Quick 3-jaw chuck				316047500
<b>Optional equipment:</b>				
Dust extraction adaptor		630829000	630829000	630829000

## 2-1/16" SDS-Max Combination Hammer

KHEV 11-52 BL

#600767620



### S-Automatic Safety Clutch:

- Increased safety, predictable handling
- Helps to protect operator from kick back



### Internal Counterweight:

Absorbs shock energy for significantly less vibration



### 2 Modes:

Rotary Hammer  
Chipping Hammer



### MVT Vibratech Handle:

Reduces vibration by up to 60% compared to other handles



### Most Powerful BL Motor:

- Longest life
- Lowest maintenance



### VTC Full Wave Electronics:

- Work at customized speeds to suit the application material
- Speeds remain almost constant, even under load



Dust extractor for drilling and chiseling  
ESA Max #623271000



# SDS-MAX COMBINATION HAMMERS



**KH 5-40**  
1 9/16" SDS-Max  
Combination Hammer



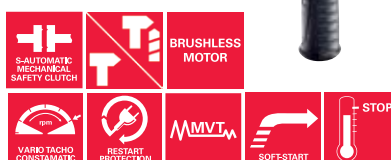
**KHEV 8-45 BL**  
1 3/4" SDS-Max  
Combination Hammer



**KHEV 5-40 BL**  
1 9/16" SDS-Max  
Combination Hammer



**KHEV 11-52 BL**  
2 1/16" SDS-Max  
Combination Hammer



Model	KH 5-40 600763620	KHEV 5-40 BL 600765620	KHEV 8-45 BL 600766620	KHEV 11-52 BL 600767620
Max. Single blow energy (EPTA)	7.1 J	8.7 J	12.2 J	18.8 J
No-load Speed (RPM)	500	350 / 500	212 / 300	190 / 270
No-load Impacts (BPM)	2,800	2,900	2,900	2,360
Amps	10.0	11.3	14.8	14.8
Rated Input Watt	1,100	1,100	1,500	1,500
Motor	Brushed	Brushless	Brushless	Brushless
Gear Box	Aluminum	Aluminum	Aluminum	Aluminum
Chipping Lock-on		•	•	•
Electronics		VTC	VTC	VTC
Safety Slip Clutch		•	•	•
Variable Speed		2-speed (100%-70%)	2-speed (100%-70%)	2-speed (100%-70%)
Capacity in concrete:				
-Solid Bits	1-9/16"	1-9/16"	1-3/4"	2-1/16"
-Core Bits	4-1/8"	4-1/8"	5"	6-5/16"
Length (inch)	17.6	19.2	21.1	23
Tool Weight (lbs)	15.7	18.3	22.3	27.3
Featured accessory:	ESA Max (623271000)			

# CHIPPING HAMMERS



**MHEV 5 BL**  
Chipping Hammer



**MHEV 11 BL**  
Chipping Hammer



Model	MHEV 5 BL 600769620	MHEV 11 BL 600770620
Max. Single blow energy (EPTA)	8.7 J	18 J
No-load Impacts (BPM)	2,900	2,100
Amps	11.3	14.8
Rated Input Watt	1,150	1,500
Motor	Brushless	Brushless
Gear Box	Aluminum	Aluminum
Chipping Lock-on	•	•
Electronics	VTC	VTC
Variable Speed	2-speed	2-speed
Length (inch)	19	23
Tool Weight (lbs)	17.4	27

**Dust extractor for drilling and chiseling**  
ESA Max #623271000

**9/16" Dust Extraction Accessory**  
DDE 14 #630829000

Dust extraction accessory  
Dustless drilling up to 9/16" dia.

**2-3/4" Dust Extraction Accessory**  
DDE 72 #631343000

Dustless drilling up to 2-3/4" dia.

Dual suction chamber collects dust while allowing full suction to adhere to walls or ceilings.



**SBE 850-2**  
1/2" Hammer Drill



**SBE 650**  
1/2" Hammer Drill



**SBEV 1000-2**  
1/2" Hammer Drill



Model	SBE 650 600671420	SBE 850-2 600782620	SBEV 1000-2 600783620
Electronics	Variospeed (V)	Variospeed (V)	Vario-tacho-constamatic (VTC)
Motor	<b>Heavy Duty</b>	LongLife	LongLife
Aluminum die-cast gear housing		•	•
Safety non-slip side handle	•	•	•
Gear-box	1-speed	2-speed	2-speed
Electronic soft start feature		•	•
Power interruption protection			•
Maintenance reminder light			•
Swivel cord connection		•	•
Reversing switch	•	•	•
Chuck	1/2" Geared	1/2" Geared	1/2" Geared
Metabo safety slip clutch		•	•
Auto-stop carbon brushes		•	•
Winding protection grid		•	•
Maximum tightening torque	80 in. lbs.	319 in. lbs	354 in. lbs.
Rubber coated handle	•	•	•
Capacity			
- in concrete	5/8"	3/4"	7/8"
- in mild steel	1/2"	1/2"	5/8"
- in softwood	1-1/4"	1-1/2"	1-3/4"
No-load speed (RPM)	0-2,800	0-1,100 / 0-3,100	0-1,000 / 0-2,800
No-load blows per minute (BPM)	44,800	58,900	53,200
Amps	6.0	7.7	9.0
Rated input watts	650	850	1,000
Chuck capacity	1/2"	1/2"	1/2"
Spindle thread	1/2 x 20 UNF	1/2 x 20 UNF	1/2 x 20 UNF
Standard Equipment:	1/2" chuck (635250000) Side handle (631052000) Depth gauge (341511630) Chuck key (635167000)	1/2" chuck (635250000) Side handle (314001030) Depth gauge (341511630) Chuck key (635167000)	1/2" chuck (635250000) Side handle (314001030) Depth gauge (341511630) Chuck key (635167000)
Optional Equipment:	Dust extraction kit (630829000)	Dust extraction kit (630829000)	Dust extraction kit (630829000)

# SDS-Max and SDS-Plus Carbide Bits

2-CUTTER

## PRO 4: FAST & EFFICIENT

**SUPER DUTY**

SDS-Plus bit diameters 5/32" - 5/8"

### Flute Design

- Patented design
- Multi-fluted spiral shaft
- Quickly removes concrete dust
- Longer bit life
- Increased impact power and speed due to reinforced core
- Reduces vibration



### Carbide Head

- Solid carbide tip
- Chisel shaped geometry with centering tip
- Improved speed
- Precise spot drilling on hard and soft surfaces
- Reduces wear on flutes
- Reinforced chamfers

### Application:

Concrete	☆☆☆
Reinforced Concrete	☆
Natural Stone	☆☆
Solid Brick	☆☆☆
Limestone	☆☆



## CLASSIC: FAST & COST EFFECTIVE

**HEAVY DUTY**

SDS-Plus bit dia. 11/16" - 1"  
SDS-Max bit dia. 1/2" - 9/16"

### Flute Design

- Large spiral flutes
- Accurate drilling
- Flexible center core



### Carbide Head (SDS Max)

- Chisel shaped drill bit head
- Short head to flute entrance
- 130 degree strong carbide tip improves centering

### Application:

Concrete	☆☆☆
Natural Stone	☆☆
Solid Brick	☆☆☆
Limestone	☆☆



## ULTRA-X: LONG LIFE & DURABILITY

**EXTREME DUTY**

SDS-Plus bit diameters 3/16" - 9/16"

### Flute Design

- Dissipates vibration and concentrates impact on carbide cutter
- Multi-fluted spiral shaft
- Low vibration
- Large volume flute
- High quality alloy steel



### Carbide Head: (SDS Plus)

- Solid carbide 4 cutter head
- Centering point power breaker
- Up to 50% more carbide tip for precise drilling and hole guides
- Precision 4 x 90° ensures perfect round holes
- Secondary cutters improve speed and support
- Chamfered carbide tipped profile stops bits from seizing up when hitting rebar

### Application:

Concrete	☆☆☆
Reinforced Concrete	☆☆
Natural Stone	☆☆☆
Solid Brick	☆☆
Limestone	☆☆



## PRO 4: LONG LIFE, DURABILITY, BEST REBAR PERFORMANCE

**SUPER DUTY**

SDS-Plus bit dia. 5/8" - 1 1/4"  
SDS-Max bit dia. 5/8"-2"

### Flute Design

- Dissipates vibration and concentrates impact on carbide cutter
- Patented design
- Multi-fluted spiral shaft and large volume flute
- Lowest vibration
- High quality alloy steel

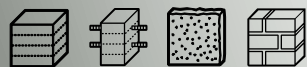


### Carbide Head (SDS Max)

- Solid carbide tip
- Centering point
- Up to 50% more carbide tip for precise drilling and hole guides
- Precision 4 x 90° ensures perfect round holes
- Secondary cutters improve speed and support
- Chamfered carbide tipped profile stops bits from seizing up when hitting rebar

### Application:

Concrete	☆☆☆
Reinforced Concrete	☆☆☆
Natural Stone	☆☆☆
Solid Brick	☆☆



4-CUTTER



# SDS-PLUS AND SDS-MAX SHANK DRILL BITS

SDS plus	Drilling Dia. (inches)	Drilling Depth (inches)	Total Length (inches)	2-Cutter	Bulk	Qty for Bulk	4-Cutter
	5/32	2	4	674505000	676276000	25	
	5/32	4	6	674605000	674652000	25	
	3/16	2	4		676277000	25	674840000
	3/16	4	6	674606000	674656000	25	674841000
	3/16	6	8	676127000	676278000	25	674842000
	3/16	8	10	676147000			674843000
	3/16	10	12				674844000
	3/16	12	14	676148000	676148100	25	
	3/16	14	16	676507000			
	7/32	2-1/4	4-1/4	674507000			
	7/32	4-1/4	6-1/4	676132000	676279000	25	
	7/32	6-1/4	8-1/4	676129000	676129100	25	
	7/32	9	11	676130000	676130100		
	7/32	12	14	676149000			
	7/32	14	16	676131000			
	1/4	2	4	674508000	674558000	25	674845000
	1/4	4	6	674708000	674758000	25	674846000
	1/4	6	8		676281000	25	674847000
	1/4	9	11		674908100	25	
	1/4	10	12				674849000
	1/4	12	14	676150000			
	1/4	14	16	676151000			
	1/4	18	20	674909000			
	5/16	4	6	674510000	676282000	25	674850000
	5/16	6	8	674710000			
	5/16	10	12	674810000			674851000
	3/8	4	6	674512000	674562000	20	674853000
	3/8	6-1/4	8-1/4	676125000	676283000	25	
	3/8	8	10	674712000			
	3/8	10-1/4	12-1/4	676123000			674854000
	3/8	16	18	674713000			674855000
	3/8	22	24	674714000			
	7/16	4	6	674514000			674856000
	7/16	8-1/4	10-1/4	676153000			
	7/16	10-1/4	12-1/4	676133000			674857000
	7/16	16	18	676154000			674858000
	1/2	4	6		674566000	25	674859000
	1/2	8	10				
	1/2	10-1/4	12-1/4	688062000			674860000
	1/2	16	18				674861000
	1/2	22	24	674818000			
	9/16	4-1/4	6-1/4	674819000			674862000
	9/16	8-1/4	10-1/4	676155000			
	9/16	10-1/4	12-1/4	676156000			674863000
	9/16	16	18	676157000			674864000
	5/8	4-1/4	6-1/4	676158000			
	5/8	6	8	674520000	676286000	10	688074000
	5/8	8	10				676173000
	5/8	10	12	674620000			676174000
	5/8	16	18	674720000			676177000
	5/8	22	24	676159000			
	11/16	6	8	676166000			
	11/16	10	12	676167000			
	3/4	6	8		676288000	15	
	3/4	8	10	676126000			676181000
	3/4	10	12				676183000
	3/4	16	18	674724000			676185000
	3/4	22	24	676168000			
	7/8	6	8	676169000			
	7/8	8	10	674528000			676191000
	7/8	10-1/4	12-1/4	676170000			676192000
	7/8	16	18	674728000			676193000
	1	6	8	676171000			676196000
	1	8	10				
	1	10	12	676172000			676199000
	1	16	18	674800000			676201000
	1-1/8	8	10				676205000
	1-1/8	16	18				674804000
	1-1/4	16	18				688065000
	1-1/4	16	18				688066000

Red number indicates SPECIAL ORDER ITEM

SDS max	Diameter (inches)	Drilling Depth (inches)	Total Length (inches)	Order No.
2 Cutter CLASSIC	1/2	8	13	
	1/2	12	17	
	1/2	16	21	
	9/16	8	13	676258000
	9/16	16	21	676134000
	5/8	12	17	676620000
	5/8	8	13	676520000
	5/8	16	21	676720000
	5/8	31	36	676259000
	11/16	16	21	676260000
4 Cutter PRO 4	3/4	8	13	
	3/4	12	17	
	3/4	16	21	676724000
	3/4	31	36	676261000
	13/16	16	21	676262000
	27/32	8	13	676263000
	27/32	16	21	676264000
	7/8	8	13	
	7/8	12	17	
	7/8	16	21	
	7/8	31	36	676265000
	1	8	13	676700000
	1	12	17	676800000
	1	16	21	676900000
	1	31	36	676266000
	1-1/16	18	23	676267000
	1-1/8	12	17	
	1-1/8	16	21	676904000
	1-1/8	31	36	676268000
	1-1/4	10	15	676270000
1-1/4	18	23	676908000	
1-1/4	31	36	676271000	
1-3/8	12	17	676709000	
1-3/8	18	23	676912000	
1-3/8	31	36	676272000	
1-7/16	18	23	676273000	
1-1/2	12	17	676274000	
1-1/2	18	23	676916000	
1-9/16	18	23	676275000	
1-3/4	18	23	676924000	
2	18	23	676135000	

### SDS-PLUS BIT KIT

**SDS-Plus 5 pc Assortment Kit #USBITKIT**

Includes:

- 3/16" x 4"
- 1/4" x 4"
- 1/4" x 6"
- 5/16" x 6"
- 3/8" x 6"

### SDS-MAX CHISEL SET

**2 piece Chisel Set #623309000**

### Tapcon

Drilling Dia. (inches)	Drilling Depth (inches)	Total Length (inches)	2-Cutter
5/32	2-3/8	5	688067000
5/32	3-1/8	6	688068000
5/32	4-1/8	7	688069000
3/16	2-1/8	5	688070000
3/16	3-1/8	6	688071000
3/16	4-1/8	7	688072000
Assortment Tapcon bit kit			688073000

MADE IN GERMANY

# SPLINE AND STRAIGHT SHANK DRILL BITS

**Spline Shank - Fits all Spline Drive Rotary Hammers**

**2-Cutter Design 3/8"-2"**

**4-Cutter Design 5/8"-1 1/2"**

**ADVANTAGES**



- Unique head design reduces friction in the hole resulting in faster drilling speed and maximum bit life
- Large volume double spiral flutes provide rapid dust removal further enhancing bit life and drilling speed
- Drills precise round holes for ease of anchor installation and stronger anchor holding
- Patented flute design minimizes vibration and noise thus protecting both tool and operator

	Drilling Dia. (inches)	Drilling Depth (inches)	Total Length (inches)	2-Cutter	4-Cutter
<b>SPLINE SHANK</b>	3/8	5	10	676122000	
	3/8	8	13	676222000	
	3/8	11	16	676223000	
	7/16	8	13	676224000	
	1/2	5	10	676016000	
	1/2	11	16	676116000	
	1/2	17	22	676118000	
	1/2	24	29	676225000	
	1/2	31	36	676226000	
	9/16	5	10	676227000	
	9/16	8	13	626228000	
	9/16	11	16	676229000	
	9/16	18	23	676230000	
	9/16	24	29	626231000	
	5/8	5	10		676020000
	5/8	8	13	626232000	
	5/8	11	16		676120000
	5/8	16	22	676121000	
	5/8	17	22		676119000
	5/8	24	29	676234000	676247000
	5/8	31	36	676233000	676248000
	11/16	11	16	676235000	
	3/4	5	10	676236000	676249000
	3/4	8	13	676237000	
	3/4	11	16	676251000	676124000
	3/4	17	22	676252000	676324000
	3/4	24	29	676239000	676115000
	3/4	31	36	676238000	676250000
	7/8	8	13	676240000	
	7/8	11	16		676128000
	7/8	17	22		676328000
	7/8	31	36	676241000	
	1	8	13	676242000	
	1	11	16	676031000	676200000
	1	17	22	676033000	676400000
	1	24	29	676244000	676254000
	1	31	36	676243000	676253000
	1-1/8	11	16	676037000	676204000
	1-1/8	17	22	676039000	676404000
	1-1/4	11	16	676041000	
1-1/4	17	22	676043000	676408000	
1-1/4	24	29		676255000	
1-1/4	31	36		676257000	
1-3/8	17	22	676047000	676412000	
1-1/2	11	16	676245000		
1-1/2	17	22		676416000	
1-3/4	17	22	676246000		
2	17	22	676136000		

Red number indicates SPECIAL ORDER ITEM

**Straight Shank - Fits Metabo Hammer Drills SBE561, SBE710, SBE751, SBE1100 and all Hammer Drills with 3-Jaw Chucks**

**>Pro VX2< Design**  
Bit diameters 1/8"-1"

**ADVANTAGES**



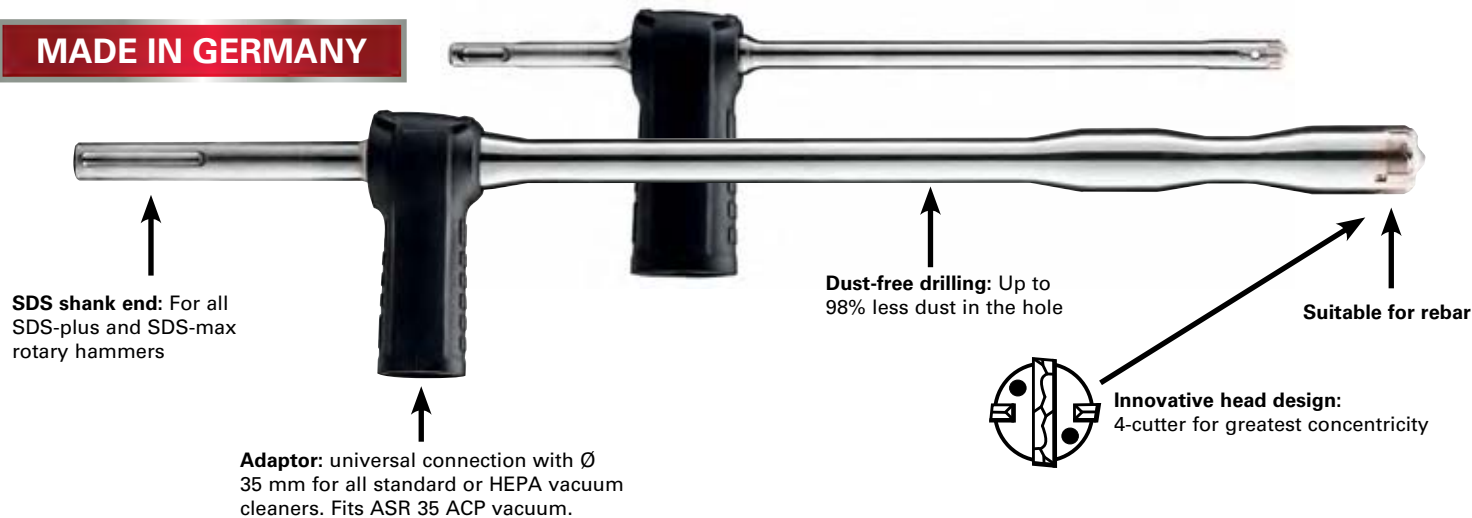
- Special carbide tip has low wear, high life expectancy, and improved resistance to damage when hitting rebar
- Aggressive carbide cutting edge provides rapid penetration and makes drilling possible even through hard aggregate
- Centering point on tip reduces bit "walking"
- 30% more holes per charge when used with cordless impact drills
- Premium alloy steel construction maximizes life expectancy

Note: Other sizes available on a special order basis

	Diameter	Drilling Depth	Overall Length	Order No.
<b>STRAIGHT SHANK</b>	1/8	1-3/8	3	674004000*
	5/32	4	6	676290000
	3/16	1-5/8	3-1/2	674006000
	3/16	4	6	674206000
	7/32	4	6	676291000
	1/4	2	4	674008000
	1/4	4	6	674108000
	1/4	10	12	676138000
	1/4	22	24	676139000
	9/32	2	4	676140000
	5/16	2-3/4	4-3/4	674010000
	5/16	4	6	674210000
	5/16	10	12	674410000
	3/8	4	6	674012000
	3/8	10	12	674412000
	3/8	18	20	674213000
	3/8	22	24	676141000
	7/16	4	6	674014000
	1/2	4	6	674016000
	1/2	10	12	674416000
	1/2	18	20	674216000
	1/2	22	24	676142000
	9/16	4	6	676143000
	5/8	4	6	674020000
	5/8	10	12	674420000
	5/8	22	24	676144000
	3/4	4	6	674024000
	3/4	10	12	674424000
	7/8	4	6	674028000
	7/8	10	12	676145000
1	4	6	674100000	
1	10	12	674300000	
1	22	24	676146000	

\*without centering point on tip

**MADE IN GERMANY**



Type	Ø	Overall Length	Working Length	Part #
SDS-PLUS	7/16"	13"	7 7/8"	676301000
	1/2"	13"	7 7/8"	676302000
	9/16"	14"	9 1/2"	676303000
	5/8"	14"	9 1/2"	676304000
SDS-MAX	3/4"	14"	9 1/2"	676305000
	5/8"	23"	15 3/4"	676311000
	3/4"	23"	15 3/4"	676312000
	7/8"	23"	15 3/4"	676313000
	1"	25 1/4"	17 1/2"	676314000
	1 1/8"	35"	27 1/2"	676315000
	1 3/8"	35"	27 1/2"	676316000

## Dust Extraction Bits For SDS-Plus and SDS-Max

### ADVANTAGES

- Reduce steps in process for chemical anchoring
- Reduce dust exposure
- Excellent drilling speed because of optimal dust removal
- Reliable service life
- Reinforced cutter head structural design
- Competitive Y-cutter design is weak due to center hole

## EXTRACTION AND CHUCK ADAPTORS



Model DDE72

**631343000 Dust extraction accessory**  
Dustless drilling up to 2 3/4" dia.  
Dual suction chamber collects dust while allowing full suction to adhere to walls or ceilings.



**630829000 Dust extraction accessory**  
Dustless drilling up to 9/16" dia.  
Dual suction chamber collects dust while allowing full suction to adhere to walls or ceilings.



**630316000 Adaptor**  
Used for connecting 631592000 vacuum hose to standard 2 1/4" vacuum inlets.



(For Drilling Only)

**631285000 SDS chuck adaptor**  
Suitable for drilling applications only. For use with most 1/2 x 20 thread chucks on all Metabo SDS rotary hammers (includes clamping bushing for 1/4" hex accessories).



(For Hammering)

**630928000 SDS chuck adaptor**  
1/2 x 20 threads. Use it to mount specialty chucks and accessories on Metabo SDS rotary hammers.



Model ESA Max

**623271000 Dust extractor for drilling and chiseling**



**630276000 Spline to SDS-Plus adaptor**



**676137000 Spline to SDS-Max adaptor**



**623371000 SDS-Max to SDS Plus adaptor**



**676293000 SDS-Max to Spline adaptor**

## Core Bits

### Core Bits



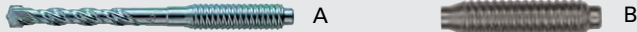
- Patented design with body clearance drills faster
- Tooth geometry provides better centering, improved resistance to rebar and longer bit life

**Note: Core bit attaches to bit holder or bit holder extension with either the 675701000 centering bit or 675703000 threaded bolt.**

Diameter	Length	Order No.
1 1/2"	4"	675716000
2"	4"	675720000
2 5/8"	4"	675726000
3 1/8"	4"	675730000
3 1/2"	4"	675736000
4"	4"	675740000
5"	4"	675750000

Individually packaged in plastic twist-off tubes.

### Threaded Bolt and Centering Bit



	Description	Order No.
A	6" x 1/2" CENTERING BIT	675701000
B	THREADED BOLT	675703000

- For core bits.



	Description	Overall Length	Order No.
A	SDS-MAX*	7"	675915000
B	SPLINE	7"	675910000

Individually packaged in plastic twist-off tubes.  
\*Registered trade mark of Robert Bosch Inc.

### One piece construction Core Bits - SIMPLIFIED USE

Diameter	Overall Length	Drilling Depth	SDS-Max Shank	Spline Shank
1-1/2	12	6-1/4	675800000	
1-1/2	22	16-3/4	675801000	675821000
1-3/4	22	16-3/4	675803000	675823000
2	12	6-1/4	675804000	
2	22	16-3/4	675805000	675825000
2-5/8	22	16-3/4	675807000	675827000
3-1/8	12	6-1/4	675808000	
3-1/8	22	16-3/4	675809000	675829000
3-1/2	12	6-1/4	675810000	
3-1/2	22	16-3/4	675811000	675831000
4	12	6-1/4	675812000	
4	22	16-3/4	675813000	675833000
5	12	6-1/4	675814000	
5	22	16-3/4	675815000	675835000
6	22	16-3/4	675816000	675836000



Replacement Pilot Drill\*  
675891000

Replacement Drift Key, Round\*  
675892000

\*included with one piece core bits

### Bit Holder Extension

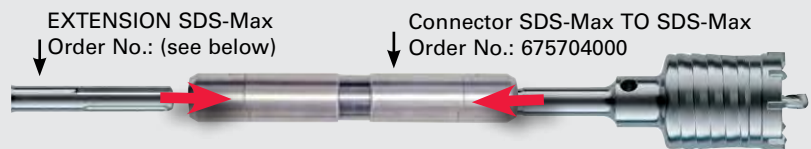


- Bit holder extension for deep hole drilling, multiple extensions possible

Description	Order No.
EXTENSION 1" X 11"	675702000

Individually packaged in plastic tubes.

### SDS-MAX Drill Bit adaptor/extension system



- Inexpensive system will extend drilling depth up to 43" (even longer by attaching additional connectors and extensions)
- Simple to use/no energy loss
- 1 3/16" Minimum hole diameter for through drilling
- Universal adaptors available for SDS-Max, Spline, SDS-Plus

Description	Order No.
CONNECTOR SDS-Max TO SDS-Max	675704000
EXTENSION SDS-Max 43"	675705000
EXTENSION SDS-Max 30"	675706000
EXTENSION SDS-Max 12.5"	675707000

Additional lengths available upon special request



## Chisels

### SDS Plus Shank Chisels

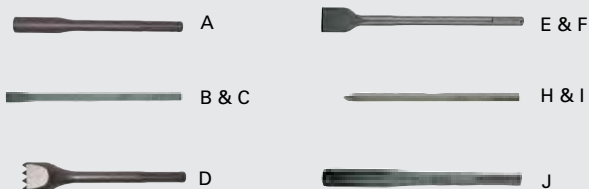
- Precisely sharpened, they will retain their cutting edge over a long time
- Made of specially tough breakage resistant steel
- Easy to reforge

Order No.		Description	Width (inches)	Total Length (inches)	Pcs/Pk
631420420	A	COLD CHISEL	3/4	10	1
631425420	B	SCALING CHISEL	1 1/2	10	1
631421420	C	BULL POINT	---	10	1
631422420	D	GROOVING CHISEL	15/16	9 1/2	1
630992000	E*	POINTED	---	10	1



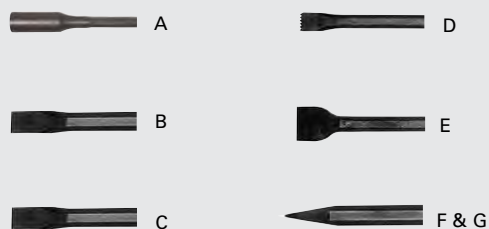
\*Use with SDS-Plus Hammers without rotation stop

### SDS-Max Shank Chisels



Order No.		Description	Width (inches)	Total Length (inches)	Pcs/Pk
655054000	A	GROUND ROD DRIVER	7/8	10 1/4	1
623353420	B	COLD CHISEL	1	12	1
623354420	C	COLD CHISEL	1	18	1
655079000	D	BUSHING TOOL	1 3/4	9 1/2	1
623355420	E	SCALING CHISEL	2	12	1
623384420	F	ASPHALT CHISEL	3 1/2	16	1
623356420	G	SCALING CHISEL	3	12	1
623351420	H	BULL PT CHISEL	---	12	1
623352420	I	BULL PT CHISEL	---	18	1
623357420	J	GROOVING CHISEL	1	12	1

### Spline Shank Chisels



Order No.		Description	Width (inches)	Total Length (inches)	Pcs/Pk
655053000	A	GROUND ROD DRIVER	7/8	10 1/4	1
623361420	B	COLD CHISEL	1	12	1
630381420	C	COLD CHISEL	1	18	1
623364420	D	SLOTING CHISEL	1 1/8	12	1
623363420	E	SCALING CHISEL	2	12	1
623360420	F	BULL PT CHISEL	---	12	1
630380420	G	BULL PT CHISEL	---	18	1

### Floor Scraper for SDS-Max Rotary Hammers



Order No.		Description	Width (inches)	Total Length (inches)	Pcs/Pk
655020000	A	FLOOR SCRAPER HEAD	6	8	1
655022000	B	SDS-MAX SHANK	---	15	1
655023000	C	REPLACEMENT BLADE WITH HARDWARE	---	---	1





06



## Woodworking Tools and Heat Guns

- Engineered, designed and manufactured in Germany
- Unique designs and features
- High performance
- Saves you time and money





**SXE 450 TurboTec**  
6" Dual Random Orbit Sander

Model	SXE 450 TurboTec 600129420
Variospeed (V) electronics	•
Power control system	•
Turbo boost	•
Dual orbit setting	•
Integral dust collection	•
Auto-stop brushes	•
Double insulated	•
Sanding pad size	6" round (6 hole)
Sheet size	6" round
Orbits per minute	8,400 - 22,000
Orbit size	1/8" or 1/4"
Amps	3.4
Rated input watts	350
Carrying case	623894000 (optional)
<b>Standard equipment:</b>	Dust bag (344101410) Medium hard hook & loop pad Backing pad (630262000) Hexagon key (344161520)
Dual Orbit Settings:	• 1/8" orbit for fine finishing • 1/4" orbit for fast stock removal



**SXE 400**  
Compact Orbital Disc Sander

Model	SXE 400 600405420
Variospeed (V) electronics	•
Power Control System	•
Auto-stop brushes	•
Double insulated	•
Sanding pad size	3 1/8" round (6 hole)
Sheet size	3 1/8" round
Orbits per minute	5,000 - 10,000
Orbit size	1/8"
Amps	2
Rated input watts	220
Carrying case	623898000 (optional)
<b>Standard equipment:</b>	Hexagon key (344161530) Hook & loop backing pad (624064000) Intermediate disc (624061000)
<b>Optional equipment:</b>	Vacuum hose adaptor (624996000)



**Turbo Boost**  
for fastest removal of stock!







ORBITAL SANDER ACCESSORIES

For SXE 400 **Order #**

 **Hook & loop-faced intermediate disc** 624061000


 **"Cling-fit" Replacement Backing pad** 624064000


 **"Cling-fit" lambs wool polishing disc** 624063000

 **"Cling-fit" sanding discs. Ready-punched, Aluminum Oxide**


Packs of 10  
 P 40 grit 624041000  
 P 60 grit 624042000  
 P 80 grit 624043000  
 P 100 grit 624044000  
 P 120 grit 624045000  
 P 180 grit 624046000  
 P 240 grit 624047000  
 P 320 grit 624048000


Packs of 25  
 P 40 grit 624051000  
 P 60 grit 624052000  
 P 80 grit 624053000  
 P 100 grit 624054000  
 P 120 grit 624055000  
 P 180 grit 624056000  
 P 240 grit 624057000  
 P 320 grit 624058000  
 P 400 grit 624059000

 **Accessory Assortment** 624060000  
 Package includes:  
 10 Pieces- P 60  
 10 Pieces- P 80  
 5 Pieces- P 120


 **Adaptor** 624996000 **NEW**  
 Vacuum Adaptor 35mm for SXE400

For SXE 450 **Order #**

 **Backing Pads**  
 6" medium hard (6 hole) 631158000  
 6" soft (6 hole) 631156000  
 PSA Pad-6" (6 hole) 631169000


 **"Cling-fit" intermediate disc (not perforated)**  
 soft, well suited for sanding rounded surfaces

6" 624037000

 **6" "Cling-fit" sanding discs**  
 (packs of 5)  
 Grit 6" (6 hole)  
 A40 624001000  
 A60 624002000  
 A80 624003000  
 A100 624004000  
 A120 624005000  
 A180 624006000  
 A240 624007000  
 A320 624008000


(packs of 25)  
 Grit 6" (6 hole)  
 A40 624019000  
 A60 624020000  
 A80 624021000  
 A100 624022000  
 A120 624023000  
 A180 624024000  
 A240 624025000  
 A320 624026000  
 A400 624027000


**6" Sanding Assortment** 624066000  
 Package includes:  
 10 Pieces- P 60  
 10 Pieces- P 80  
 5 Pieces- P 120


 **"Cling-fit" polishing sponge**  
 6" 631233000


 **"Cling-fit" lambs-wool polishing disc**  
 6" 631217000

**Order #**


 **Hook & Loop Backing Pad (for FSX200)** 625658000

 **Hook & Loop Backing Pads**  
 5" medium hard (8 hole) 631219000  
 5" soft (8 hole) 631220000  
**(for SXE425)**


 **"Cling-fit" Intermediate Disc (not perforated)**  
 soft, well suited for sanding rounded surfaces  
 5" 631216000


 **"Cling-fit" Sanding Discs**  
 (packs of 5)  
 Grit 5" (8 hole)  
 A40 631226000  
 A60 631227000  
 A80 631228000  
 A120 631229000  
 A180 631230000


(packs of 25) 5" (8 hole)  
 A40 631584000  
 A60 631585000  
 A80 631586000  
 A120 631587000  
 A180 631588000  
 A240 631589000  
 A320 631596000  
 A400 631597000


 **"Cling-fit" polishing sponge**  
 5" 631222000

 **"Cling-fit" lambs-wool Polishing Disc**  
 5" 631223000

 **Spare Paper Dust Bags (5 per pack) (for Sr356, Sr358, SXE425 SXE450 Duo)** 631288000

 **Canvas Dust Bag (for Sr356, Sr358, SXE425 SXE450 Duo)** 631235000


 **Vacuum Hose** 631751000  
 6' x 1 1/2" diameter and 2 1/4" vacuum connection. Tapered end fits directly into tool's extraction port.

 **Vacuum Hose** 631362000  
 11.5' x 1 1/2" diameter and 2 1/4" vacuum connection. Tapered end fits directly into tool's extraction port.

For SXE 450

**"Professional Series" for working with metal and wood**


**6" "Cling-fit" sanding discs. Ready-punched, for Wood and Metal**


 Packs of 50  
 P 40 grit 626674000  
 P 60 grit 626675000  
 P 80 grit 626676000  
 P 100 grit 626677000  
 P 120 grit 626678000  
 P 180 grit 626679000  
 P 240 grit 626680000  
 P 320 grit 626681000  
 P 400 grit 626682000

**6" Backing Pad** 630262000

**"Professional Series" for working with paints and varnishes**

**6" "Cling-fit" sanding discs. Ready-punched, for paints and varnishes**

 Packs of 50  
 P 40 grit 626683000  
 P 60 grit 626684000  
 P 80 grit 626685000  
 P 100 grit 626686000  
 P 120 grit 626687000  
 P 180 grit 626688000  
 P 240 grit 626689000  
 P 320 grit 626690000  
 P 400 grit 626691000

 **6" "Cling-fit" intermediate disc**  
 well suited for sanding rounded surfaces 630260000

# JIGSAW/PAINT REMOVER AND ACCESSORIES



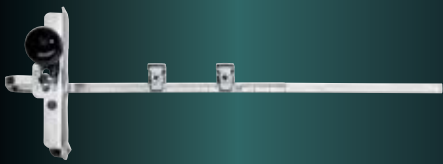
**STEB 140**  
Variable Speed Jigsaw  
with Orbit

Model	STEB 140 601402420
Electronics	Vario-tacho-constamatic (VTC)
Aluminum die-cast gear housing	•
Variable speed controlled by adjusting dial	•
Electronic speed stabilizer	•
Orbital saw-blade movement for fast cutting	3-stage
Grooved needle-bearing roller-guide prevents the blade from wandering, allowing for truer cuts. Suitable for bevel cuts. Rapid setting of the sole plate for bevel angles of 22.5° & 45° left or right	•
Uses T-shank style blades	•
Sawdust is blown from line of cut for better visibility	•
Auto-stop carbon brushes	•
Quick blade change system with auto eject	•
Maximum torque	62 inch lbs.
Maximum thickness of material	
- wood	5 1/2"
- non-ferrous metal	1 3/8"
- sheet steel	3/8"
Rated input watts/amps	720/7.0
No-load speed (SPM)	1,000-3,100
Length of stroke	1"
Orbital settings	3 position
Carrying case	344454150 (optional)
<b>Standard equipment:</b>	Allen wrench (344161530)
<b>Optional equipment:</b>	Anti-splintering sole plate insert (631208000)
	Circle Guide (631340000)




**LF 724 S**  
Paint Remover

Model	LF 724 S 600724420
Double insulation	•
Environmentally friendly method of paint and varnish removal	•
Highly suitable for handling rabbets	•
Continuous adjustment of chip removal: 0-.012"	•
Reversible all-carbide blades with long service life	•
Low vibration reduces fatigue	•
Minimal dust creation	•
Encased aluminum die-cast gear housing	•
High-performance palloid gear system	•
Maximum torque	18 inch lbs.
Blade cutting circle diameter	3 1/8"
Maximum rabbet height	1 1/10"
Axial cutting depth	0-.012" (0-.3mm)
Radial cutting depth	.006"
Rated input watts/amps	710/6.0
No-load speed (RPM)	10,000
Carrying case	623860000 (standard)
<b>Standard equipment:</b>	4 indexable solid tungsten carbide blades - 4 cutting edges per blade
	Vacuum adaptor (343371390)
	Combination wrench(344162450)
	Cleaning pick (344162540)



**Circle/Rip Guide**  
#631340000

Guide for cutting circles from 4" to 14" dia. and for ripping parallel to an edge (max. width 8 1/4").



**Spare Blades**  
#631660000

Indexable solid tungsten carbide blades. For LF 724 S. (10-piece set)



Back View of Heat Gun



Back View of Heat Gun



Back View of Heat Gun



### STANDARD EQUIPMENT FOR HG 18 LTX 500

**630004000**  
Wrap around nozzle



**630005000**  
Reducing nozzle



**HG 16-500**  
2-Stage Variable Temperature Heat Gun

**HE 20-600**  
Electronic 3-Stage Variable Temperature Heat Gun

**HG 20-600**  
Digital Programmable 2-Stage Variable Temperature Heat Gun

**HG 18 LTX 500**  
18V Cordless Dual Temperature Heat Gun

Model	HG 16-500 601067420	HE 20-600 602060420	HG 20-600 602066420
Double insulation	•	•	•
Temperature levels via thumb wheel	•	•	
Non-slip pads for stationary use	2	Infinitely variable	9
One handed temp adjustment	•	•	•
Thermal fuse for safety	•	•	•
Rated input watts	1,300	1,500	2,000
Rated Amps	10.8	12.5	12.5
Air Flow	7.5 / 12.5 CFPM	5.3 / 10.6 / 17.7 CFPM	3.8 / 7.8 / 13.2 CFPM
Air Temperature	570-930 °F	122/122-1100 °F	180-1100 °F

Model Bare Tool:	HG 18 LTX 500 610502850
LED Light	•
Temperature regulation via thumb wheel	•
Batteries	Compatible with Metabo Lilon or LiHD batteries
Runtime (8.0 Ah Battery)	20+ minutes
Temperature range	570 °F - 930 °F
Time to temperature	5 sec (572 °F)
Air Flow/Volume	6-7 CFM
Carrying case (optional)	
Tool weight (lbs) without batteries	1.1 lbs.
<b>Standard Equipment:</b>	
Wrap around nozzle	630004000
Reducing nozzle	630005000

## HEAT GUN ACCESSORIES



**630001000**  
**Wide jet nozzle- 2"**  
Drying, stripping old coats of paint

**630002000**  
**Wide jet nozzle- 3"**  
Stripping old coats of paint from large surfaces



**630003000**  
**Deflector Nozzle**  
Stripping old coats of paint from window frames, waxing and de-waxing skis



**630004000**  
**Air-wrap Nozzle**  
Heating plastic tubes prior to bending them; shrinking of shrink-fit plastic sleeves



**630005000**  
**Reducing Nozzle- 3/8" dia.**  
Spot Heating

**630022000**  
**Reducing Nozzle-3/4" dia.**



**630007000**  
**Plastic Welding Tip**

## Futuro Top Keyless Chucks



For hammer drills

For Hammering

Capacity	Internal Thread	Weight ozs.	Order No.
1/16"-3/8"	1/2" - 20 UNF	12	636216000
0"-1/2"	1/2" - 20 UNF	16	636226000
0"-1/2"	3/8" - 24	17	636225000

Individually packaged in cardboard boxes.

## Futuro Plus Double Sleeve Reversible Keyless Chucks



For corded and cordless drills

- Mechanism provides higher gripping power and longer life.
- Large protective steel cap protects chuck against dirt and damage.

For Rotation Only

Capacity	Internal Thread	All Metal	Weight ozs.	Order No.
1/32"-3/8"	1/2" - 20 NF		7	636519000

For Hammering

1/16"-1/2"	1/2" - 20 UNF	•	10.5	636619000*
1/16"-1/2"	1/2" - 20 UNF	•	10.5	636620000

\*With carbide jaws

Individually packaged in cardboard boxes.

## Futuro Plus Single-Sleeve Reversible Keyless Chucks



For drills with spindle locking mechanism only

- Specially developed mechanism allows changing bits rapidly with one hand.
- High gripping power, accurate concentricity and long service life.

For Rotation Only

Capacity	Internal Thread	All Metal	Weight ozs.	Order No.
1/16"-1/2"	1/2" - 20 NF	•	11	636621000

For Hammering

1/16"-1/2"	1/2" - 20 NF	•	11	636621000
------------	--------------	---	----	-----------

Individually packaged in cardboard boxes.



## Quick Tapping Chucks



Capacity	Order No.
M4-M6 (1/4")	627235000
M8-M12 (1/2")	627237000

Individually packaged.

## Taper Arbors



Machine Side Morse taper	Chuck Side Taper arbor	Order No.
No. 2	B12	635114000
No. 2	B16	635115000

Individually packaged.

## Keyless Drill Chucks



For non-reversing portable and stationary drills

- All parts are hardened and ground for long life and smooth operation.
- Jaws are self tightening – no scored drill shanks and less drill breakage.
- No key to lose.

Capacity	Internal Thread or Taper Socket	Weight ozs.	Order No.
3/64"-3/8"	3/8" - 24 NF	12	636321000
3/64"-3/8"	1/2" - 20 NF	12	636322000
3/64"-3/8"	B16	21	636333000
3/64"-1/2"	1/2" - 20 NF	29	636351000
3/64"-1/2"	J6	29	636356000
1/8"-5/8"	5/8" - 16 UN	35	636361000
1/8"-5/8"	B16	35	636362000
1/8"-5/8"	J6	35	636364000

Individually packaged in cardboard boxes.

## Quick Keyless Chuck



Capacity	Order No.
----------	-----------

For BS 18 LTX BL Quick and SB 18 LTX BL Quick

1/2"	1/2" - 20 UNF	10.5	627240000
------	---------------	------	-----------

For BS 12 BL Quick and BS 18 Quick (NEW)

3/8"			627259000
------	--	--	-----------

For BS 18 L Quick (NEW)

1/2"			636608000
------	--	--	-----------

For Any Quick 12V/18V Drill (NEW)

1/2" Carbide Quick Chuck			627203000
--------------------------	--	--	-----------

Individually packaged in cardboard boxes.

## Keyed Drill Chucks



For corded and cordless drills

- All wearing parts are made of case hardened steel for longest life.
- Higher gripping power, positive chucking and close tolerance concentricity.
- Supplied complete with chuck key.

For Power Tools

Capacity	Internal Thread	Weight ozs.	Order No.	Supplied with chuck / key
1/64"-3/8"	1/2" - 20 NF Rev.	8	635252000	•

Individually packaged in cardboard boxes.

For Drill Presses

Capacity	Internal Thread or Taper Socket	Weight ozs.	Order No.
1/16"-1/2"	3/8" - 24 NF	11	635033000
1/16"-1/2"	1/2" - 20 NF	11	635302000
1/16"-1/2"	B16	12	635036000
1/8"-5/8"	1/2" - 20 NF	21	635054000
1/8"-5/8"	1/2" - 20 UN	21	635056000

Individually packaged in cardboard boxes.

## Replacement Chuck Keys & Screw

For Metabo drill chucks	Order No.
3/8" and 1/2" capacity (chuck keys)	635167000
5/8" capacity (chuck keys)	635168000
Chuck retention screw	341701940

Individually packaged.





344453630  
344453760



657006000



657007000



656304000



623874000

Item No.	Material	L x H x D	Use
656304000	Steel	13 3/4 x 10 x 5 1/8	4 1/2" / 5" / 6" Small Angle Grinders / drills / hammer drills
657006000	Canvas	18 x 10 x 18	Fits 2 tools plus accessories
344453630	Plastic	24 x 16 x 6 1/2	KHE56
344453760	Plastic	24 x 16 x 8	KHE76
657007000	Canvas	25 x 11 x 13	Fits 4 tools plus accessories
623874000	Steel	26 1/2 x 6 1/2 x 11	Intermediate and large angle grinders

# MetaBox Stackable Transportable Case Systems

**NEW**

**Coming Late 2020**



**NEW**





Coming Late 2020







Sending your tool for repair has never been so easy! Select your tool from the list, process your order, use the supplied shipping label to expedite your tool to us. We will take care of the rest! Your tool will be sent back to you in no time. In addition to fixing the reported problem, we will proceed to a full repair and maintenance of your tool. This service offers you the following benefits:



LEARN MORE!

- Serviced at Metabo North American headquarters in West Chester, Pennsylvania
- Repairs will be completed in 5 days or less (Upon Receipt)
- Free FedEx shipping to and from Metabo Factory service facility
- Package your Metabo Tool and drop off at one of nearly 8,000 authorized FedEx shipping locations nationwide
- Best for individual or smaller tool quantities
- Metabo Factory Service Technicians will repair your tool with genuine Metabo parts
- Metabo NA will ship your tool directly to you – No need to pick it up

For more information, terms and policies, see [metabousafactoryservice.com](http://metabousafactoryservice.com) or if you have any questions call 1-800-638-2264. Terms are subject to change.



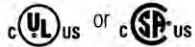
## Metabo Warranty Information

### OSHA U.S. Department of Labor Occupational Safety and Health Act

Metabo Power Tools are manufactured in compliance with all applicable standards and their latest amendments. Specifically, 1910 allowance for industrial use, and 1926 allowance for construction use.

### Listed Tools

Metabo Power Tools bearing the symbol of Underwriters' Laboratories, Inc. or Canadian Standards Association are listed by the testing laboratories as having complied with their standards for safety.



For more information concerning the conformance of our tools, please contact Metabo Technical Services at [svcsupport@metabousa.com](mailto:svcsupport@metabousa.com), or by calling 800-638-2264.

### Recommended Extension Cords

Metabo Power Tools operate efficiently within 110-120 volts. Improper cord sizing will cause a drop in voltage, resulting in loss of power, overheating, and possible damage to the tool. Determine the rated amp listing of your tool from the specification label on the tool, then use the chart below to determine the proper gauge and length of cord to use.

Amp Rating	Cord Length (ft.)								
	25	50	100	150	200	250	300	400	500
0-2	18	18	18	16	16	14	14	12	12
2-3	18	18	16	14	14	12	12	10	10
3-4	18	16	14	14	12	12	10	10	
4-5	18	16	14	12	10	10	10		
5-6	18	16	12	12	10	10			
6-8	16	14	12	10	10				
8-10	16	14	12	10					
10-12	16	14	10						
12-15	12	12	10						
15-20	10	10	10						

### Trade Associations

Metabo is associated with the following trade associations:



### Metabo Power Tools: Service and Warranty Program

All Metabo power tools have been carefully tested and inspected before shipment and are warranted to the original purchaser to be free from defects in workmanship and materials for a period of 3-years (36 months) from original user's date of purchase. This limited warranty does not apply to accessories or damage that Metabo determines to be from misuse, alterations, abuse, normal wear and tear, lack of maintenance, accidents, or repairs made by or attempted by anyone other than Metabo authorized personnel. Valid proof of purchase such as a sales receipt is required to qualify for warranty programs.

### 30 Day Performance Guarantee

If in the first 30 days from purchase, a tool fails to perform to Metabo's performance specifications as a result of factory defect, return the tool to the original point of purchase. After verification of a factory defect by an Authorized Metabo Repair Facility is performed, Metabo will replace the tool free of charge.

### 3-Year Limited Warranty

After the first 30 days from purchase, Metabo will replace or repair a power tool which upon inspection by an authorized Metabo Repair Facility is determined to be defective in either workmanship or materials for a period of three 3-years (36 months) from original date of purchase. If a tool fails to perform to Metabo's factory specifications, the tool may be sent along with proof of purchase to Metabo's Corporate Service Center or one of our regionally located Authorized Service Centers. Please visit [www.metabo.com](http://www.metabo.com) for complete listing.

### Metabo MAX Repair Program

To help maintain the performance of your Metabo power tools and to reduce possible downtime, Metabo publishes a maximum repair cost for select current models. The MMR program guarantees that you will not pay more than the published "MAX Repair" rate for that tool (the fee could be less if the repair is minor). The MMR program is independent of the Metabo warranty and applies to current model tools that are sent to Metabo's Corporate Service Center\*. MMR services include:

- Tear down inspection
- Cleaning and lubrication
- Replacement of any worn and/or damaged parts with genuine Metabo replacement parts
- Full performance and safety tests

For additional details and tool listing please contact Metabo at 800-638-2264.

\*Metabo Corp. Repair Center  
1231 Wilson Drive  
West Chester, PA 19380

# metabo® club

PROS DESERVE PROFESSIONAL POWER TOOLS

## JOIN THE CONVERSATION!



*The Metabo Club is a community of skilled, professional tradespeople that take pride in their craft, with a deep concern for quality, performance, productivity and safety (their own and others). The Metabo Club is a forum to exchange ideas with similar-minded pros to improve their skills and get the job done. It is a place of knowledge sharing, passion and pride.*

[metabo.com/club](https://metabo.com/club)

### Metabo Corporation

1231 Wilson Drive  
West Chester, PA 19380  
Phone: 610-436-5900 or 800-638-2264  
Fax: 800-638-2261  
customerservice@metabousa.com  
www.metabo.com

### Metabo Canada Inc.

5045 Orbitor Drive  
Mississauga, ON L4W 4Y4, Canada  
Phone: 905-624-5897 or 877-638-2261  
Fax: 877-638-2269  
info@metabo.ca  
www.metabo.ca



**metabo**®  
PROFESSIONAL POWER TOOL SOLUTIONS