

FLEX

Das Original

Power Tools and Accessories
2013/2014



FLEX Innovation - Made in Germany

Innovation - Made in Germany

FLEX manufactures top performance, quality power tools. We continuously explore new technological frontiers and implement designs that increase the lifespan and performance of each tool. We also focus on optimizing the handling of each tool and increasing the overall comfort and productivity of the end user. Everything we do is based on people and their work and this leads to solutions.

Your satisfaction is our guiding principle

All professionals who have worked with **FLEX** power tools recognize what is truly important: well thought out design and proven quality solutions.

FLEX will do everything to ensure you quality from our continuous product improvements.

Whether you are grinding, cutting, sawing, drilling or polishing, our ultimate objective is your complete satisfaction.

FLEX Electronics

FLEX motors are designed with the latest technology. **FLEX** electronics include unique features such as soft start, RPM pre-setting, RPM cruise control, overload protection and heat sensitive temperature sensors to prevent the machine from overheating in case of extreme workloads.

All **FLEX** electric power tools feature spring loaded **FLEX** Longlife™ carbon brushes. When the brushes start to wear down, a tension spring is released pushing the brushes away from the armature, resulting in an overall longer life of the product.

All **FLEX** electric power tools also feature the **FLEX** advanced airflow system, where cooling air is drawn in at the rear of the machine and blown forward through a specially designed air chamber, before exiting the machine in the front.

Trade Associations

FLEX North America associated with the following trade associations:



TOOL LISTING

L 1106 VE	30	LW 1503	7
L 12-3-100 WET	7	LW 1509	7
L 1503 VR	31	LW 603 VR	9
L 1506 VR	31	LWW 1506 VR	12
L 3403 VRG	23	LWW 2106 VR	12
L 3406 VRG	30	MS 1706 FR	17
L 3410 VRG	32	PE 14-2-150	22
LBR 1506 VRA	35	PLW 923S	9
LCP 1703 VR	8	MXE900	19
LDC 1509 FR	16	MXE1102	19
LE 9-10-125	32	VC 12	29
LE 12-3-100 WET	7	WSE 7 Vario Plus	28
LP 1503 VR/Set	36	XC 3401 VRG	21
LRP 1503 VRA	37	XC 3401 VRG-25	21
LST 1503 VR	18		

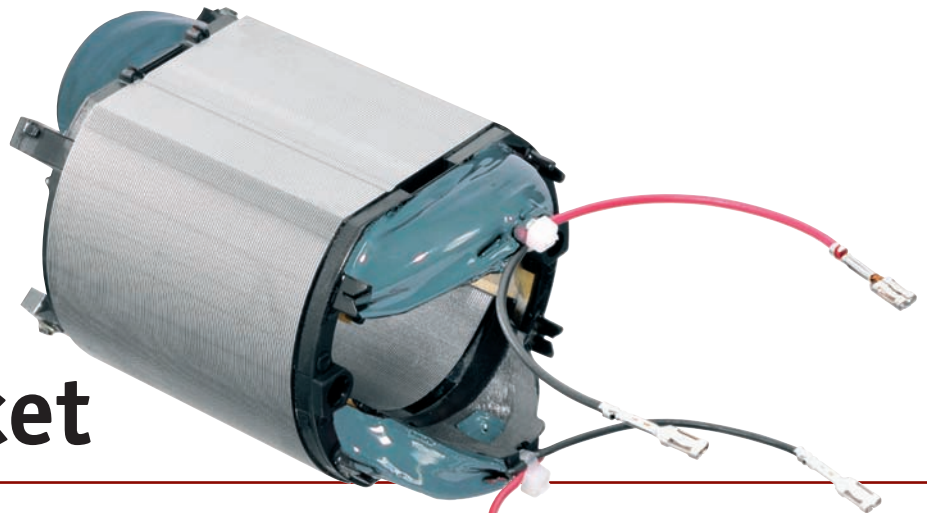
ACCESSORY LISTING

16233	10	326.852	38	451.800	10	457.551	13
16237	10	326.879	38	451.150	10	457.552	13
223.670	38	326.895	38	451.300	10	457.561	13
223.689	38	326.917	38	451.430	10	457.562	13
249.259	29	326.933	38	451.450	10	550.050	10
249.267	29	333.573	26	451.500	10	550.100	10
250.496	39	334.464	17	451.550	10	550.200	10
250.498	39	342.637	26	451.600	10	550.400	10
250.499	39	348.503	28	457.301	13	550.800	10
250.501	39	348.511	28	457.302	13	550.150	10
250.522	39	348.546	28	457.311	13	550.300	10
250.610	38	348.554	28	457.312	13	551.050	10
255.731	39	348.562	28	457.321	13	551.100	10
256.285	39	348.570	28	457.322	13	551.200	10
256.286	39	348.589	28	457.331	13	551.400	10
256.287	39	348.899	16	457.332	13	551.800	10
256.288	39	349.216	28	457.341	13	551.150	10
256.289	39	349.224	28	457.342	13	551.300	10
256.290	39	349.232	28	457.351	13	610.120	8
256.973	39	349.240	28	457.352	13	610.125	8
256.974	39	349.259	28	457.361	13	610.130	8
256.975	39	349.267	28	457.362	13	610.135	8
256.976	39	350.346	28	457.371	13	610.140	8
257.004	39	350.362	28	457.372	13	610.145	8
257.375	39	350.924	28	457.381	13	610.150	8
260.230	28	352.306	28	457.391	13	610.155	8
260.237	28	354.988	28	457.401	13	610.160	8
266.132	38	359.378	16	457.402	13	610.165	8
280.992	28	359.394	16	457.411	13	610.170	8
281.018	28	366.862	28	457.412	13	610.180	8
281.026	28	368.881	19	457.421	13	610.185	8
281.034	28	368.903	19	457.422	13	650.100	8
281.042	28	368.911	19	457.431	13	651.100	25
281.050	38	368.938	19	457.432	13	651.150	25
281.077	38	369.152	19	457.441	13	651.250	25
281.085	38	370.932	28	457.442	13	651.200	8
284.718	38	370.940	28	457.451	13	651.300	16
284.726	38	370.959	28	457.452	13	651.500	25
289.957	26	383.317	26	457.462	13	900.710	25
305.936	26	388.289	28	457.471	13	900.720	25
317.950	39	450.050	10	457.472	13	900.730	25
317.969	38	450.100	10	457.481	13	9034005	21
317.977	38	450.200	10	457.491	13	9067205	21
317.985	38	450.400	10	457.501	13	9196105	21
318.132	33	450.800	10	457.502	13	AD-14GMF	13
318.175	39	450.150	10	457.511	13	AD-13GMF	13
318.183	39	450.300	10	457.512	13	FLX/UPW	28
318.736	38	450.900	10	457.521	13		
326.739	38	450.999	10	457.522	13		
326.755	38	451.050	10	457.531	13		
326.771	38	451.100	10	457.532	13		
326.801	38	451.200	10	457.541	13		
326.836	38	451.400	10	457.542	13		

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New Powder Coating Operation for Magnetic Fields

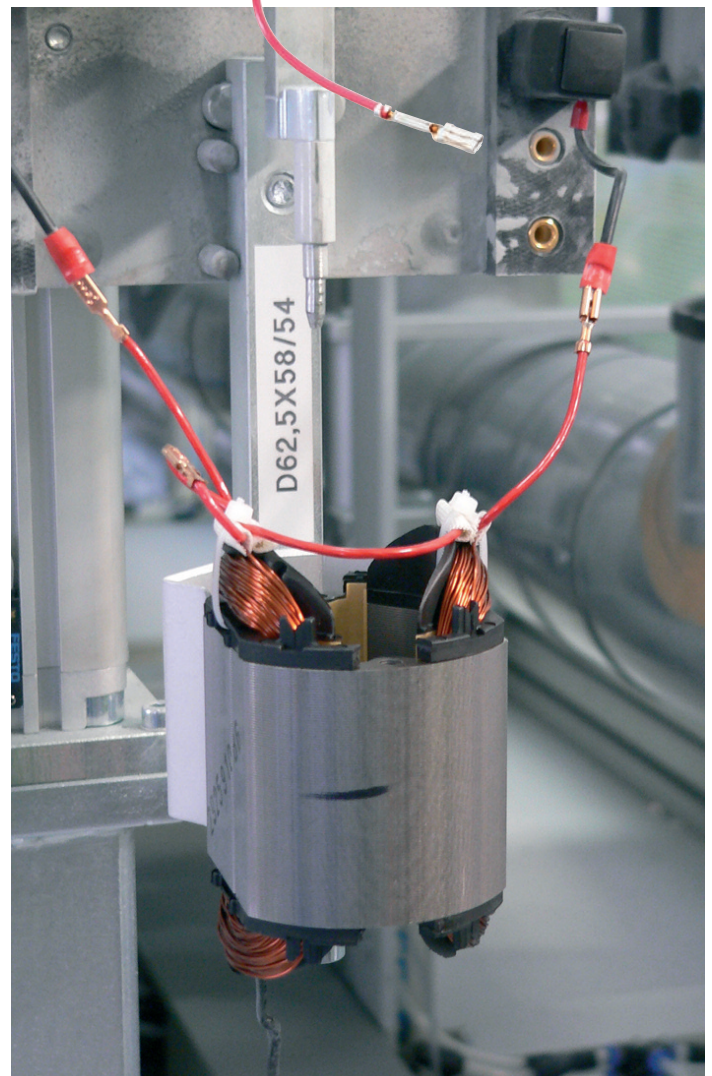
The Most Innovative Technique On The Market



The new FLEX powder coating process for magnetic fields offers an important advantage by prolonging the longevity of FLEX machine motors.

Powder coating is a process that offers the best possible protection against abrasive elements. This is achieved by covering the coils in a uniform protective coating. Air is blown through the bottom of a container holding powdered plastic. The powder is held in suspension inside the container and behaves similar to a liquid. A magnetic field is dipped into the container where the plastic powder melts onto the pre-heated coils. The metal packet is not affected.

The new FLEX plant has 12 stations which hang from a continuous belt. After loading and connecting the magnetic field to the heating element, the process of heating, baking, coating, cleaning, hardening and cooling starts automatically. The plant is completely enclosed and has its own air extraction system. The powder feed is fully automatic. We use bondable enameled wire for the coils, which allows for the baking process, and guarantees a stable geometry of the coil head.



Natural Stone and Concrete

Leading through High Quality Performance

Natural stone has its own laws. They call for special experts. These experts are able to read the nuances and colors in the stone. They can recognize the unique masterpiece that a completely structured piece of work can evolve into. The experts know that good work also requires good tools.

For over 80 years FLEX has been the competent and innovative partner for working with natural stone. Over time a comprehensive range of machines was developed in close co-operation with experienced stone masons. This resulted in a product range that sets the standard in every aspect, with features such as robustness and reliability, handling, ease of maintenance and - above all - safety of operation under wet conditions.

The long-time competence of FLEX also includes the knowledge that FLEX engineers have about the nature of stone, its characteristics, and its sensitivities. That is why a FLEX machine does not damage or soil the valuable "natural stone" raw material, but rather refines it – in a way a steadfast relationship ought to be. This allows the user to do perfect work.

FLEX is the world authority for WET grinders and polishers for natural stone. Water serves two purposes in the grinding/polishing of natural stone:







- to bind the granite dust into a slurry
- to act as an evenly distributed film of molecules sandwiched between the grinder/polishing head and the natural stone.


This hydroplaning results in a smooth surface treatment and extends the life usage of the diamond abrasives that are used with the grinders/polishers. All FLEX WET grinders and polishers are equipped with a ground fault circuit interrupter (GFCI) to ensure safe operation in wet environments.



Wet Grinders - Polishers for Natural Stone and Concrete

WET POLISHERS

	TYPE OF TOOL	APPLICATION	TO BE USED WITH	TYPE OF STONE
 LE 12-3 100 WET	Variable Speed 5\" Wet Polisher	<ul style="list-style-type: none"> Wet grinding of granite and marble 	<ul style="list-style-type: none"> Diamond resin polishing pad 	<ul style="list-style-type: none"> Granite and marble Concrete
 L 12-3 100 WET	Single Speed 5\" Wet Polisher	<ul style="list-style-type: none"> Wet grinding of granite and marble 	<ul style="list-style-type: none"> Diamond resin polishing pad 	<ul style="list-style-type: none"> Granite and marble Concrete
 LW 1503	Constant Speed WET Polisher	<ul style="list-style-type: none"> Edge polishing Small surface polishing i.e. countertops 	<ul style="list-style-type: none"> Diamond resin polishing pads 	<ul style="list-style-type: none"> All natural stone types Concrete
 LCP 1703 VR	3-Headed Polisher	<ul style="list-style-type: none"> Grinding, honing and polishing 	<ul style="list-style-type: none"> Diamond resin polishing pad 	<ul style="list-style-type: none"> All natural stone types Concrete
 LW 603 VR	Variable Speed Full Wave Electronic WET Polisher	<ul style="list-style-type: none"> Large surface polishing 	<ul style="list-style-type: none"> Diamond resin polishing pads Silicon carbide cup wheels Diamond cup wheels 	<ul style="list-style-type: none"> All natural stone types Concrete
 PLW 923 S	4\" Sander/Polisher	<ul style="list-style-type: none"> Polishing and sanding in small shops and for fabricators and production use 	<ul style="list-style-type: none"> Diamond resin polishing pads 	<ul style="list-style-type: none"> All natural stone types Concrete

	TYPE OF TOOL	APPLICATION	TO BE USED WITH	TYPE OF STONE
 LW 1509	Constant Speed High Speed WET grinder	<ul style="list-style-type: none"> Bulk material removal Edge breaking Coarse grinding Preparation work prior to polishing 	<ul style="list-style-type: none"> Diamond grinding discs 	<ul style="list-style-type: none"> All natural stone types Concrete

Natural Stone and Concrete

Wet Polishers for Natural Stone and Concrete

LE 12-3 100 WET

375.241



Variable Speed 5" Wet Polisher

LE 12-3 100 WET has a brass quick fit connector for easy connection to a 1/2" water hose. Water feed and flow control are fitted under the motor housing. Extra powerful 9.3 amp motor with high torque for superior applications. Softstart, over load protection, and techogenerator constant speed control. Three jet nozzle can be removed to give one central water jet.

5" Variable Speed Wet Polisher

SPECIFICATIONS	LE 12-3 100 WET
Max. disc diameter	5"
Speed, without load	1,200-3,700 RPM
Power input	9.3 AMP
Weight	5.3 lbs

L 12-3 100 WET

378.658

Single Speed 5" Wet Polisher

SPECIFICATIONS	L 12-3 100 WET
Max. disc diameter	5"
Speed, without load	3,700 RPM
Power input	9.3 AMP
Weight	5.3 lbs

ADVANTAGES AT A GLANCE

ADDITIONALLY FOR LE 12-3 100 WET AND L 12-3 100 WET

- Dust protected switch increases functional reliability and longevity
- GFCI-Cable safety switch is integrated in the cable for safe working
- Bail handle for a firm grip even when working vertically
- Powder coated magnetic field protects against abrasive dust and rust

LW 1503

355.046



Compact 5" WET polisher with central water feed

LW 1503 features a new water disbursement nozzle. Brush Cap Guard protects brushes from water. New and improved GFCI cord. It is a compact, but powerful workhorse. Due to its light weight and portability, this product has become the standard for all WET polishers. The LW 1503 is frequently used to polish surfaces and edges of natural stone (sink holes, counter top edges, and other small stone surfaces).

Velcro™ backing pads and diamond resin polishing pads are to be purchased separately.

SPECIFICATIONS	LW 1503
Max. disc diameter	5"
Speed, without load	3,700 RPM
Power input	7.4 AMP
Weight	4.4 lbs

STANDARD EQUIPMENT

1 bail handle	236.934
1 open-ended wrench 17 mm	106.461
1 GFCI operator protection circuit breaker in cable	357.545

ADDITIONALLY FOR LW 1503

- Central water feed for wet grinding of granite and marble
- GFCI operator protector circuit breaker: integrated in cord
- Quality shut-off carbon brushes: protects the motor against damage
- Wet polishing with Velcro™ diamond polishing system

Sanding discs/polishing pads are to be purchased separately.

LW 1509

288.896



This FLEX WET grinder is a true powerhouse

This compact 4-1/2" high speed WET grinder is designed for maximum material removal of concrete or natural stone. With its 8,300 RPM and 7.8 AMP motor, it is the fastest WET grinder in the market. It is intended for all heavy duty stone grinding applications (bulk material removal, edge breaking, coarse grinding of uneven surfaces and polish preparation work).

Note: The LW1509 is not intended for use with Diamond Cup Wheels.

SPECIFICATIONS	LW 1509
Max. disc diameter	4-1/2"
Speed, without load	8,300 RPM
Power input	7.1 AMP
Weight	4.8 lbs

STANDARD EQUIPMENT

1 bail handle	236.934
1 open-ended wrench 17 mm	106.461
1 GFCI operator protection circuit breaker in cable	357.545
1 splash guard	289.183

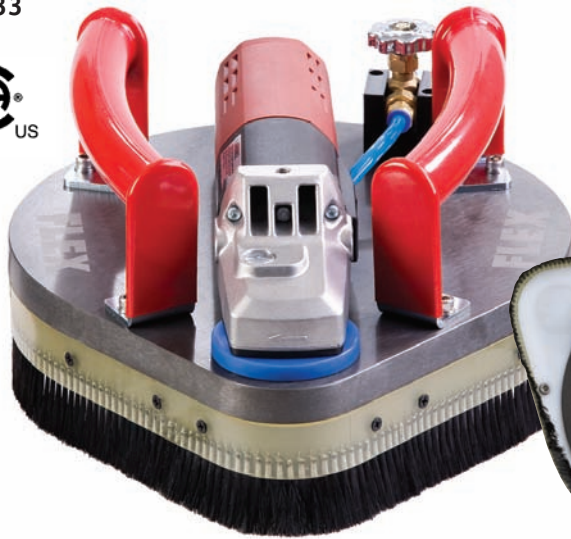
ADDITIONALLY FOR LW 1509

- Central and external water feed
- 360° adjustable aluminum safety guard with integrated rubber splash skirt
- Dual water feed
- GFCI-Cable safety switch is integrated in the cable for safe working

Wet Grinders - Polishers for Natural Stone and Concrete

LCP 1703 VR

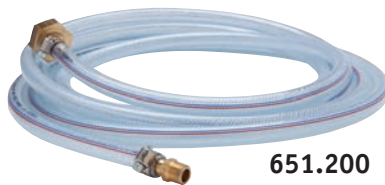
354.333



ACCESSORIES AVAILABLE
(SOLD SEPARATELY)



650.100



651.200

Planetary Gear/Belt Driven 3-Headed Polisher

The perfect machine for the perfect finish on concrete, granite and marble. Rugged, reliable hand-operated 12" platform made of Duralin, a hardened, anodized aluminum. Delivers the perfect speed for high performance grinding, honing and polishing of concrete, granite and marble. Belt driven design for quieter operation and less heat buildup. Slurry Guard™ brush design for ease of movement on all surfaces. Center water feed for wet applications can be shut off for efficient dry operation.

Uses 3" to 5" diamond polishing pads.

SPECIFICATIONS	LCP 1703 VR
Tool Weight	29 lbs.
Shipping Weight	32 lbs.
Motor	110V/60Hz
	10 Amp
	GFCI Protected
Driver Speed	1,100-3,400 RPM
Platen Speed	600-1,930 RPM
Platform Speed	157-481 RPM

Wet Concrete Polishing Pads

Catalog #	Size	Description	Grit	Color	QP
610.120	5" x 3mm	Wet Concrete Polishing Pad	50	Purple	1
610.125	5" x 3mm	Wet Concrete Polishing Pad	100	Red	1
610.130	5" x 3mm	Wet Concrete Polishing Pad	200	Yellow	1
610.135	5" x 3mm	Wet Concrete Polishing Pad	400	Blue	1
610.140	5" x 3mm	Wet Concrete Polishing Pad	800	Dk. Green	1
610.145	5" x 3mm	Wet Concrete Polishing Pad	1500	Orange	1
610.150	5" x 3mm	Wet Concrete Polishing Pad	3000	White	1
610.155	5" x 5.8mm	Wet Concrete Polishing Pad	50	Purple	1
610.160	5" x 5.8mm	Wet Concrete Polishing Pad	100	Red	1
610.165	5" x 5.8mm	Wet Concrete Polishing Pad	200	Yellow	1
610.170	5" x 5.8mm	Wet Concrete Polishing Pad	400	Blue	1
610.175	5" x 5.8mm	Wet Concrete Polishing Pad	800	Dk. Green	1
610.180	5" x 5.8mm	Wet Concrete Polishing Pad	1500	Orange	1
610.185	5" x 5.8mm	Wet Concrete Polishing Pad	3000	White	1

ADVANTAGES AT A GLANCE

- Rugged, reliable hand-operated 12" platform made of Duralimin, a hardened, anodized aluminum
- Delivers the perfect speed for high performance grinding, honing and polishing of concrete, granite and marble
- Belt driven design for quieter operation and less heat buildup
- Slurry Guard™ brush design for ease of movement on all surfaces
- Center water feed for wet applications can be shut off for efficient dry operation
- Uses 3" to 5" diamond polishing pads



CONCRETE POLISHING PADS IN 5" X 3MM AND 5" X 5.8MM SIZES

- Unique multi-channel segment design allows for superior grinding and honing
- "Top of the Line" 5" x 5.8MM construction outlasts the competition
- High quality Diamond Resin ensures the best possible results
- Standard Velcro® backing for easy and quick pad changes
- Available in 50, 100, 200, 400, 800, 1500 and 3,000 grit.

Natural Stone and Concrete

Wet Polishers for Natural Stone and Concrete

PLW 923 S

355.895



4" Pneumatic Air Stone Sander/Polisher

Flex is proud to introduce a revolutionary new Air Stone Sander/Polisher that sets a new standard in stone working excellence in granite, marble and concrete. Designed especially for use by shop workers, fabricators and for production use, this high performance polishing tool is ergonomically designed for ease of use. The compact, lightweight design gets into tight spaces with ease, and allows for all-day use with less operator fatigue. The PLW 923 S Air Stone Sander/Polisher features a central water feed with rear exhaust and accepts 3", 4" or 5" discs.

SPECIFICATIONS	PLW 923 S
Spindle Size	5/8"-11
Max. Speed	3,600 RPM
Weight	2.8 lbs.
Length	9-1/2"
Air Consumption	15.19 CFM
Air CInlet	1/4"
Hose Size	1/4"
Air Pressure	90 PSI

STANDARD EQUIPMENT	
4" Velcro® Pad	357.251
Bail handle	357.138
Side handle	357.200
Wrench	357.162

LW 603 VR

253.692



Electronic 5" Variable Speed WET Polisher

The most cost-effective and sophisticated WET polisher. Infinitely adjustable polishing speeds (1,000-2,800 RPM) make this product ideal for very sensitive materials and offers users maximum flexibility. The LW 603 VR is a two-handed tool and is commonly used as a large surface polisher.

Velcro™ backing pads and diamond resin polishing pads are to be purchased separately.

SPECIFICATIONS	LW 603 VR
Max. disc diameter	5"
Speed, without load	1,000-2,800 RPM
Power input	13 AMP
Weight	7.5 lbs

STANDARD EQUIPMENT	
1 bail handle	251.587
1 open-ended wrench 17 mm	106.461
1 GFCI operator protection circuit breaker in cable	356.611

LW 603 VR ADVANTAGES AT A GLANCE

- FLEX four-fold VR electronics: with consistent speed control by tachometer generator, soft start, overload protection, and speed selection.
- GFCI operator protector circuit breaker: integrated in cord
- Quality shut-off carbon brushes: protects the motor against damage

Sanding discs/polishing pads are to be purchased separately.

Quality Accessories for Wet Grinders - Polishers

1



Polishing Pads

Wet Polishing Pads

Catalog #	Size	Description	Grit	Color	QP
450.050	4"	Wet Polishing Pad	50	Lt. Green	10
450.100	4"	Wet Polishing Pad	100	Red	10
450.200	4"	Wet Polishing Pad	200	Yellow	10
450.400	4"	Wet Polishing Pad	400	Blue	10
450.800	4"	Wet Polishing Pad	800	Dk Green	10
450.150	4"	Wet Polishing Pad	1500	Orange	10
450.300	4"	Wet Polishing Pad	3000	Pink	10
450.900	4"	Wet Polishing Pad	Buff Pad	White	10
450.999	4"	Wet Polishing Pad	Buff Pad	Black	10
550.050	5"	Wet Polishing Pad	50	Lt. Green	10
550.100	5"	Wet Polishing Pad	100	Red	10
550.200	5"	Wet Polishing Pad	200	Yellow	10
550.400	5"	Wet Polishing Pad	400	Blue	10
550.800	5"	Wet Polishing Pad	800	Dk Green	10
550.150	5"	Wet Polishing Pad	1500	Orange	10
550.300	5"	Wet Polishing Pad	3000	Pink	10

Dry Polishing Pads

Catalog #	Size	Description	Grit	Color	QP
451.050	4"	Dry Polishing Pad	50	Purple	10
451.100	4"	Dry Polishing Pad	100	Red	10
451.200	4"	Dry Polishing Pad	200	Yellow	10
451.400	4"	Dry Polishing Pad	400	Blue	10
451.800	4"	Dry Polishing Pad	800	Dk Green	10
451.150	4"	Dry Polishing Pad	1500	Orange	10
451.300	4"	Dry Polishing Pad	3000	Tan	10
551.050	5"	Dry Polishing Pad	50	Purp/Lt. Green	10
551.100	5"	Dry Polishing Pad	100	Red	10
551.200	5"	Dry Polishing Pad	200	Yellow	10
551.400	5"	Dry Polishing Pad	400	Blue	10
551.800	5"	Dry Polishing Pad	800	Dk Green	10
551.150	5"	Dry Polishing Pad	1500	Orange	10
551.300	5"	Dry Polishing Pad	3000	Pink	10

Backing Pads

Catalog #	Size	Description	QP
451.600	3"	Ogee Aluminum Back Up Pad NEW!	1
451.430	4"	Soft Backing Pad	1
451.450	4"	Rigid Backing Pad	1
451.500	5"	Soft Backing Pad	1
451.550	5"	Rigid Backing Pad	1

Adapters

Catalog #	Description	QP
16233	Adapter 1/2" Gas to 5/8"-11	1
16237	Quick Connect Water adapter	1

QP = Quantity per package





Leading Edge Technology

FLEX offers two powerful and cost-effective edge milling machines. Combined with Wet grinding/milling bits for granite and marble, these tools enable professionals to create most any desired edge shape.

The best way to imagine what an edge milling machine does, is to think of it as a "router for natural stones". The main difference lies in the composite of the bits. In order to work on stone you need diamond bits.

1

WET EDGE MILLING MACHINES

	TYPE OF TOOL	APPLICATION	TYPE OF STONE
 <p>LWW 1506 VR</p>	<p>Heavy-duty edge milling machine</p>	<ul style="list-style-type: none"> Grinding and milling of edges into requested shapes Preparation edge shaping prior to fine polishing SMALL surfaces (bathroom sink holes, single basin kitchen sink holes, fireplace mantle pieces) 	<ul style="list-style-type: none"> All natural stone types Up to 1-1/4" thick slabs
 <p>LWW 2106 VR</p>	<p>Heavy-duty two-handed edge milling machine</p>	<ul style="list-style-type: none"> Grinding and milling of edges into requested shapes Preparation edge shaping prior to fine polishing LARGE surfaces (counters, tables or double basin kitchen sink holes) 	<ul style="list-style-type: none"> All natural stone types Up to 1-3/4" thick slabs

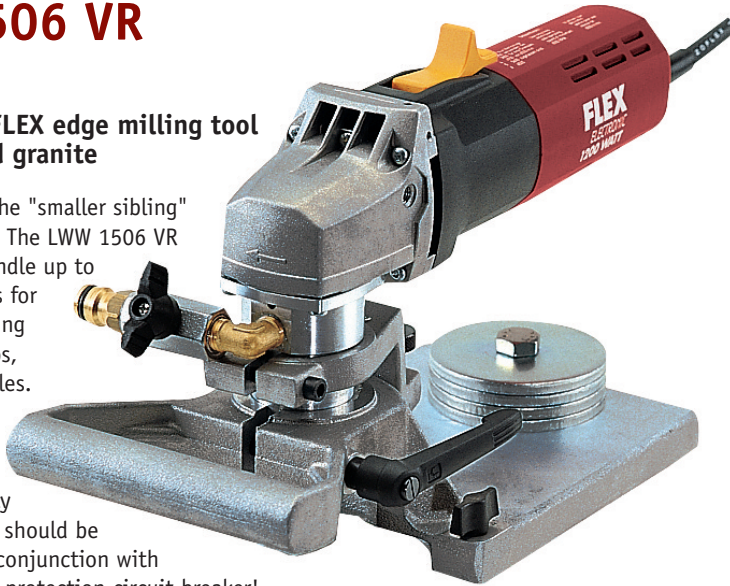
Wet Edge Milling Machines

LWW 1506 VR

255.122

The versatile FLEX edge milling tool for marble and granite

LWW 1506 VR is the "smaller sibling" of the LWW 2106. The LWW 1506 VR is designed to handle up to 1-1/4" thick slabs for milling and grinding sinks, kitchen tops, counters, and tables. For use on both straight and curved edges. Caution: For safety reasons, this unit should be operated only in conjunction with the GFCI operator protection circuit breaker!



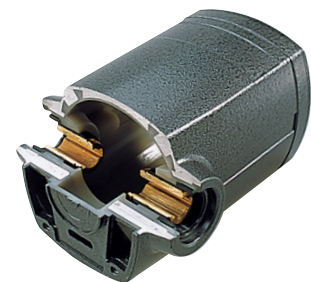
SPECIFICATIONS	LWW 1506 VR
Speed, without load	2,200-6,500 RPM
For slab thickness	3/4" - 1-1/4"
Power input	10 AMP
Weight	12-3/4 lbs

STANDARD EQUIPMENT	
1 Open-ended wrench 24 mm	198.781
1 Splash guard	257.456
1 GFCI operator protection circuit breaker in cord	356.611
1 guide carriage	255.465

ADVANTAGES AT A GLANCE

- FLEX four-fold full-wave electronics: with speed selection and consistent speed control, soft start, overload protection.
- Aluminum guide carriage: with plastic balls for easy control, corrosion-protected
- GFCI operator protector circuit breaker: integrated in cord
- Quick-action, brass coupling: for 1/2" lego connector for water hoses
- Tool fixture: G 1/2" spindle thread
- Quality shut-off carbon brushes: protects the motor against damage

Note: Adapters are sold separately.



FLEX Metal composite housing

A classic construction design by FLEX: A tough, heat-resistant, light aluminum die-cast outer shell. On the inside an insulated plastic shell for electrical protection and motor noise reduction. Plus solid brass carbon holders for optimal heat distribution.

LWW 2106 VR

261.947

The powerful FLEX edge milling tool for granite

LWW 2106 VR is the "heavy duty" two-handed edge milling machine from FLEX. It is designed to handle up to 1-3/4" thick granite slabs. This product is ideally suited to round edges of larger natural stone surfaces (counters tops, tables or double basin kitchen sink holes). LWW 2106 VR is a portable tool yet has the power and flexibility of conventional stationary CNC machines.



SPECIFICATIONS	LWW 2106 VR
Speed, without load	1,800-5,850 RPM
For slab thickness	3/4" - 1-3/4"
Power input	15 AMP
Weight	22 lbs

STANDARD EQUIPMENT	
1 Open-ended wrench 32 mm	251.475
1 Open-ended wrench 22 mm	109.398
1 Hex wrench 8 x 100 x 130	256.742
1 Splash guard	257.226
1 Guide carriage	256.005
1 GFCI operator protection circuit breaker in cord	359.521

Concrete Masonry

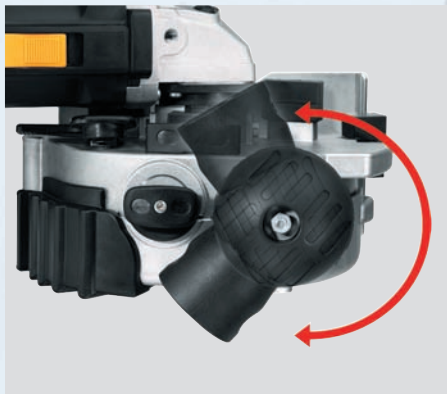
POWERFUL IN EVERY POSITION

The wall chaser MS 1706 FR cuts grooves effortlessly into walls, limestone and porous concrete. Its patented, swiveling motor makes horizontal push cutting as well as vertical pull cutting possible.



MILLING CUTS WITH 2 PARALLEL RUNNING FLEX HIGH-PERFORMANCE DIAMOND CUTTING DISCS

The middle partition can then be broken out using the supplied slot breaker. Wall chaser MS 1706 FR-Set



ROTATION VACUUM ADAPTER

Depending on the direction you are working, the hose of the FLEX industrial vacuum cleaner can be fed through the rotatable nozzle so that it does not hinder the user.



THE PATENTED TURN

It's only possible with the FLEX wall chaser, pull cutting for vertical and push cutting for horizontal slots. Just unlock, swivel the motor, lock - finished!



EASY CUTTING DEPTH ADJUSTMENT

You can use the scale - which is divided into 5 mm increments - on the disc guard to set how deep the milled cut should be.

COMPLETE KIT

Plastic carrying case and two Diamant Jet Vi-speedcut cutting discs for rapid cutting of masonry, limestone and porous concrete.



Wet Grinders - Polishers for Natural Stone and Concrete

LCP 1703 VR

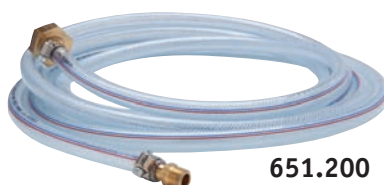
354.333



ACCESSORIES AVAILABLE
(SOLD SEPARATELY)



650.100



651.200

Planetary Gear/Belt Driven 3-Headed Polisher

The perfect machine for the perfect finish on concrete, granite and marble. Rugged, reliable hand-operated 12" platform made of Duralin, a hardened, anodized aluminum. Delivers the perfect speed for high performance grinding, honing and polishing of concrete, granite and marble. Belt driven design for quieter operation and less heat buildup. Slurry Guard™ brush design for ease of movement on all surfaces. Center water feed for wet applications can be shut off for efficient dry operation.

Uses 3" to 5" diamond polishing pads.

SPECIFICATIONS	LCP 1703 VR
Tool Weight	29 lbs.
Shipping Weight	32 lbs.
Motor	110V/60Hz
	10 Amp
	GFCI Protected
Driver Speed	1,100-3,400 RPM
Platen Speed	600-1,930 RPM
Platform Speed	157-481 RPM

Wet Concrete Polishing Pads

Catalog #	Size	Description	Grit	Color	QP
610.120	5" x 3mm	Wet Concrete Polishing Pad	50	Purple	1
610.125	5" x 3mm	Wet Concrete Polishing Pad	100	Red	1
610.130	5" x 3mm	Wet Concrete Polishing Pad	200	Yellow	1
610.135	5" x 3mm	Wet Concrete Polishing Pad	400	Blue	1
610.140	5" x 3mm	Wet Concrete Polishing Pad	800	Dk. Green	1
610.145	5" x 3mm	Wet Concrete Polishing Pad	1500	Orange	1
610.150	5" x 3mm	Wet Concrete Polishing Pad	3000	White	1
610.155	5" x 5.8mm	Wet Concrete Polishing Pad	50	Purple	1
610.160	5" x 5.8mm	Wet Concrete Polishing Pad	100	Red	1
610.165	5" x 5.8mm	Wet Concrete Polishing Pad	200	Yellow	1
610.170	5" x 5.8mm	Wet Concrete Polishing Pad	400	Blue	1
610.175	5" x 5.8mm	Wet Concrete Polishing Pad	800	Dk. Green	1
610.180	5" x 5.8mm	Wet Concrete Polishing Pad	1500	Orange	1
610.185	5" x 5.8mm	Wet Concrete Polishing Pad	3000	White	1

ADVANTAGES AT A GLANCE

- Rugged, reliable hand-operated 12" platform made of Duralimin, a hardened, anodized aluminum
- Delivers the perfect speed for high performance grinding, honing and polishing of concrete, granite and marble
- Belt driven design for quieter operation and less heat buildup
- Slurry Guard™ brush design for ease of movement on all surfaces
- Center water feed for wet applications can be shut off for efficient dry operation
- Uses 3" to 5" diamond polishing pads



CONCRETE POLISHING PADS IN 5" X 3MM AND 5" X 5.8MM SIZES

- Unique multi-channel segment design allows for superior grinding and honing
- "Top of the Line" 5" x 5.8MM construction outlasts the competition
- High quality Diamond Resin ensures the best possible results
- Standard Velcro® backing for easy and quick pad changes
- Available in 50, 100, 200, 400, 800, 1500 and 3,000 grit.

Concrete Grinder

LDC 1509 FR

354.821



Pivoting Segment Allows Grinding Right to the Wall

FR electronic control with tachogenerator constant speed control, soft start, overload protection and temperature monitoring. Vacuum dust collection protects against abrasive dust, reduces disc wear and keeps concrete pores open for the new coat. Spindle lock. Guard with pivoting segment to allow grinding right up to the wall. Height adjustable to the disc height and for optimum dust extraction.

SPECIFICATIONS	LDC1509FR
Disc Diameter	5"
Speed without load	10,000 RPM
Power input	10.5 amp
Power output	120 volt
Tool fixture	5/8"-11
Weight	6.4 lbs

Sanding/grinding cup wheels are to be purchased separately.

STANDARD EQUIPMENT

Clamping nut, guard with pivoting edge segment, bail handle, cable clip, hose clip, wrench holder, hexagon socket screw key, pin wrench.

ACCESSORIES FOR THE LDC 1509 FR



VC 12
398.403

NEW

Stainless Steel Vacuum

The new FLEX Stainless Steel Vacuum delivers the rugged durability and professional performance you need for garage, shop, factory, workshop or office. Stainless steel tank is easy to clean and features a tank drain that lets you empty the tank without lifting the vac. Super quiet performance for use in a variety of office, hospital and school environments. Comes equipped with static guard strap and full dolly with tool holder.



**5" Cup
Wheels**
651.300

MS 1706 FR-Set

333.816

The new FLEX wall chaser for push and pull cutting

The unique rotating motor system allows the machine to be used for pull cutting for vertical slots, and push cutting for horizontal slots. Now wall chasing for the laying of cables or conduits is child's play. Cuts two parallel slits up to 35 mm deep and 30 mm wide.



STANDARD EQUIPMENT

Diamantjet VI-Speedcut-cutting disc 140 mm	(2) 334.464
1 side handle	194.034
1 SDS-Clie quick-clamp nut M 14	253.049
Distance spacers	(5) 318.914
Clamping flanges	(2) 191.612
1 web remover	229.253
1 adapter for dust extractor	327.026
Cable clip	(3) 252.188
1 plastic carrying case	327.034

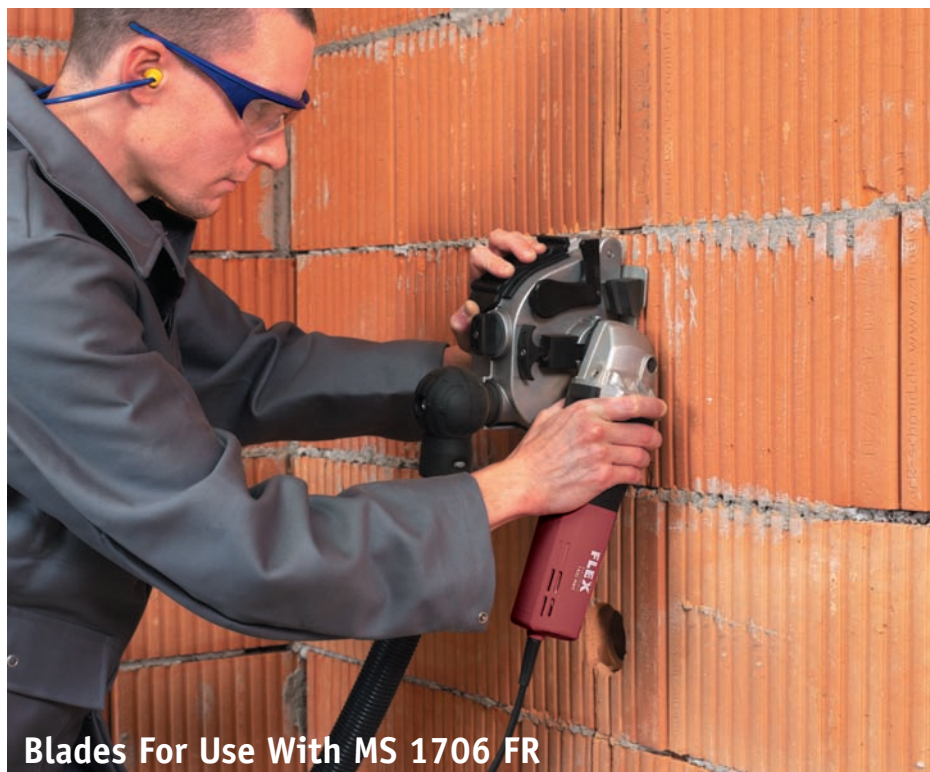
SPECIFICATIONS

SPECIFICATIONS	MS 1706 FR-SET
Cutting depth	1.4"
Groove width	0.4" - 1.2"
Disc	5.5"
Speed without load	7500 rpm
Power input	11 AMP
Tool fixture	5/8-11 UNC
Weight	8.2 lbs

ADVANTAGES AT A GLANCE

- FLEX four-fold FR electronic control: with consistent speed control by tachometer generator, soft start, over-load protection and temperature monitoring
- Quality shut-off carbon brushes: if the carbon brushes wear down, the motor will be automatically switched off and thus protected from damage.
- Rotating motor allows for push and pull cutting
- Optimal dust extraction and maximum safety due to enclosed guard
- Toolless blade changing and slit width adjustment
- Rotating adaptor for dust extractor
- Adjustable cutting depth
- Plunge cut stop
- Complete kit: with plastic carrying case and 2 Diamantjet VI- Speedcut discs for rapid cutting of masonry, limestone, concrete and porous concrete

2



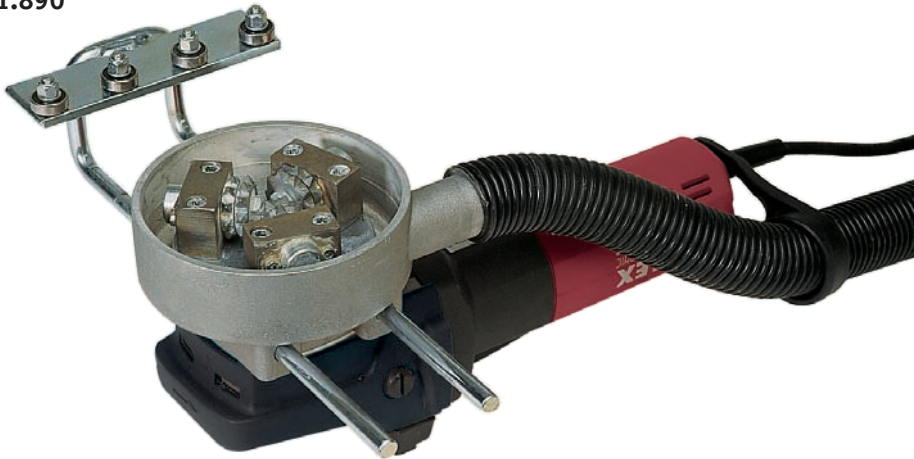
Blades For Use With MS 1706 FR

Catalog #	Size	Description	QP
334.464	140mm	Diamond Jet VI Speed Cutting Blade	1

Floor and Wall Finishing

LST 1503 VR

261.890



LST 1503 VR ADVANTAGES AT A GLANCE

- FLEX four-fold full-wave electronics: with speed selection and consistent speed control, soft start, overload protection.
- Dust extraction: for use even in occupied buildings
- Quality shut-off carbon brushes: if the carbon brushes wear down, the motor will be automatically switched off and thus protected from damage

Sanding discs/polishing pads are to be purchased separately.

2

The small FLEX bushhammer for stairs

60 aggressive hard-metal tips of the machine take care of the job quickly and with precision. The rotating bushhammer with the hard-metal discs cushioned by rubber shock absorbers which reduces vibration and is easy on your joints. The machine can be expertly guided by the grip hood.

SPECIFICATIONS	LST 1503 VR
Speed without load	1,000-3,000 RPM
Power input	11 AMP
Working width	40-92 mm
Weight	13.0 lbs

STANDARD EQUIPMENT

1 grip cover	254.212
1 stop, complete	259.193
1 carbide tipped complete 100	261.653
1 hexagon socket screw key, special tool	115.460



Bushhammering prevents slippage

Smooth natural stone floors can turn into slippery danger zones in wet weather. Roughening helps alleviate this problem and ensures better traction. In the past this was difficult once the natural stone slabs had been set. With the FLEX bushhammer this job is taken care of in just a few minutes even on the hardest granite surfaces.

Call 1-877-331-6103

www.FlexNorthAmerica.com

MXE 1102

390.860

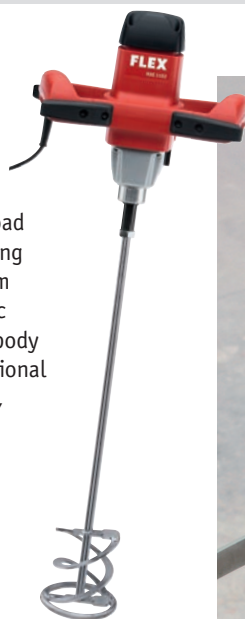
1080 Watt Two Speed Mixer With Speed Control

FR Full-wave electronic control with soft start, temperature monitoring, overload protection and accelerator switch for a controlled run-up to the optimum mixing speed. Sustained power in all ranges. Large, rugged 2-gear unit with optimum ratios for powerful torque and correct speed for different materials. Ergonomic handles on the drive unit. Low weight, fatigue-free arm posture and upright body posture allow comfortable, ergonomic operation. Second gear provides exceptional sustained power in the top and low speed range. Ideal for tile adhesive, grout, filler compound, adhesive, finished plaster, adhesive mortar.

SPECIFICATIONS	MXE 1102
Speed without load-1st gear	150-530 RPM
Speed without load-2nd gear	200-750 RPM
Power input	1010 watts
Power output	600 watts
Tool fixture	M14
Clamping neck	1.7"
Max. mixing head	5.12"
Weight	11.7 lbs.

STANDARD EQUIPMENT

1 WR2 helix paddle 120x600 M14	368.881
1 open ended wrench SW19	



MXE 900

390.879

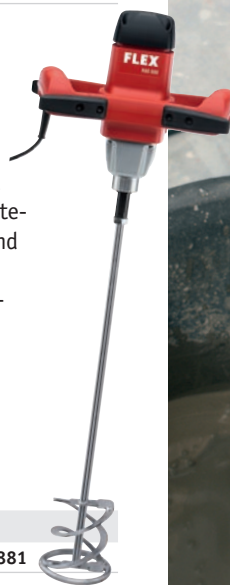
900 Watt Single Speed Mixer

Large, rugged single-speed gear unit with optimum gear ratio for high torque. Soft start accelerator switch smoothly adjusts the speed to the mixing situation and material. Ergonomic handles on the drive unit. Low weight, fatigue-free arm posture and upright body posture allow comfortable, Perfect for mixing low-quantity mixtures. Mixing paddle for pasty to tough materials including tile adhesive, grout, filler compound, adhesive, finished plaster ad adhesive mortar. Ideal for tilers and painters.

SPECIFICATIONS	MXE 900
Speed without load	200-750 RPM
Power input	900 watts
Power output	520 watts
Tool fixture	M14
Clamping neck	1.7"
Max. mixing head	4.72"
Weight	11.3 lbs.






STANDARD EQUIPMENT

1 WR2 helix paddle 120x600 M14	368.881
1 open ended wrench SW19	



2

Accessories for the MXE 1102 and MXE 900 Concrete Mixers

	QP	Order Number
 Helix Paddle WR2	1	368.881
 Spiral Paddle WR3R	1	368.903
 Helix Paddle WR3R	1	368.911
 Disc Paddle SR2	1	368.938
 Beater RB	1	369.152

Car Polishing



Polishing Perfection

FLEX offers a wide range of professional electronic variable speed polishers for the automotive industry.

For a professional polish:

Water-soluble, ecological automotive paints should be processed with little force, at low speed and with gentle pressure. This prevents the heating up of the polishing medium and too much paint abrasion. FLEX sponges and appropriate quality polishing media ensure the proper treatment to suit the material (observe the recommended speeds / metallic enamels require special polishing media).

FLEX recommendations:

- Single-coated lacquering (without clear coat varnish): 2,200 to 2,800 rpm with blue FLEX polishing sponges
- Double-coated lacquering (without clear coat varnish): 1,200 to 1,700 rpm with white FLEX polishing sponges
- Processing beads and curves as well as repolishing: with black FLEX Velcro™ sponges

For a perfect finish always work on one section of the vehicle at a time (hood, trunk, etc.). Do not circulate, but rather polish the surfaces length- and cross-wise. Mechanically remove polishing medium residues with a slightly moistened lamb or wool fleece.

To conserve the enamel, wax should be applied with a soft Velcro™ sponge. This deepens the sheen of the enamel especially for black cars. After absorption and drying, polish down with lamb and wool fleece.

Important: Use a separate sponge for each polishing medium and color!

FLEX polishing accessories on pages 24-25

Grinding Sanding Polishing

FLEX

Car Polishing

ADVANTAGES AT A GLANCE

- Spindle lock
- Quality shut-off carbon brushes: if the carbon brushes wear down, the motor will be automatically switched off and thus protected from damage

ADDITIONALLY FOR XC 3401 VRG

- FLEX seven-fold microprocessor electronics: with consistent speed control by tachometer generator, soft start, accelerator trigger switch, restart protection after power interruption, overload protection, temperature monitoring, and speed selection
- 8 mm orbital movement
- Permanent direct drive for an even polished surface
- removable, ergonomic knob grip
- High-powered motor: can handle extreme loads
- 10-foot black power cord

XC 3401 VRG SPEED WITHOUT LOAD

1 - 160/min	4 - 330/min
2 - 210/min	5 - 400/min
3 - 270/min	6 - 480/min

For all polishers use only accessories rated higher than tool RPM.



XC 3401 VRG

334.839



SPECIFICATIONS	XC 3401 VRG
Max. polishing pad diameter	6 1/2"
Velcro pad	5-1/2"
Speed without load	160-480/min
Orbit	8 mm
Orbit rate, without load	3200-9600/min
Power input	10 AMP
Weight	5.7 lbs

The unique FLEX orbital polisher for the perfect finish

The orbital rotation of this innovative polisher simulates the circular movement of the human hand while polishing. At the same time, the polisher's highly smooth running facilitates a careful, precise finish and even provides what is necessary for hologram-free polishing. That's just what this polisher, with its ergonomically designed knob handle, was made for. The positive drive ensures a uniform movement, even under load, thanks to constant lift. Taken in conjunction with the large stroke length there is also the possibility of removing existing holograms from black finishes. Thanks to the direct orbital drive, very little heat develops on the surface, which is ideally suited to temperature-sensitive finishes. The accelerator trigger switch and speed selection allow for a controlled acceleration to the optimal speed. Note: the machine's orbital movement has been optimized for the special back pad included with the kit. (* Sponge not included.)

STANDARD EQUIPMENT

1 grip cover	332.402
1 knob grip	333.565
1 special Velcro backing pad, 5-1/2"	342.637

XC 3401 VRG-25 FLEX Orbital Polisher with 25-Foot Cord

392.715



Sanding discs/polishing pads are to be purchased separately.

Car Polishing

PE 14-2 150

373.680

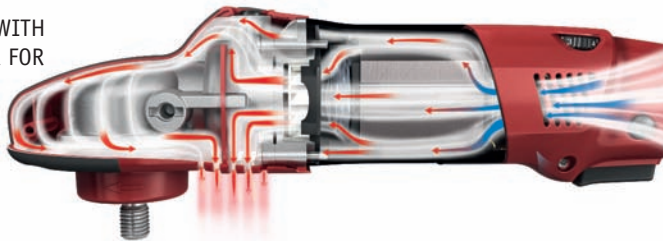


POLISHFLEX Compact Variable Speed Polisher

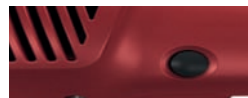
The new *POLISHFLEX* was developed by professionals for professionals. Motor and gear unit both operate extremely quietly. The optimum speed range of 600-2100 RPM and the high torque are ideal for treating a variety of surfaces. The ergonomic design and low weight make it easy to reach and prepare even problematical spots. The maximum polishing pad diameter is 200 mm which enables horizontal and vertical surfaces to be quickly and comfortably treated.

POWERFUL 1400 WATT MOTOR WITH HIGHLY-EFFICIENT VENTILATOR FOR OPTIMUM AIR FLOW

The optimized air ducting system ensures the best possible cooling of gear unit and motor. And there is no annoying exhaust air for the user.



Innovative combination of planetary and lapped angular gear unit transmits high torque in a compact design with very little noise.



Accelerator switch and lock-on for continuous operation.



Microprocessor electronics with 600-2100 rpm pre-selection speed.



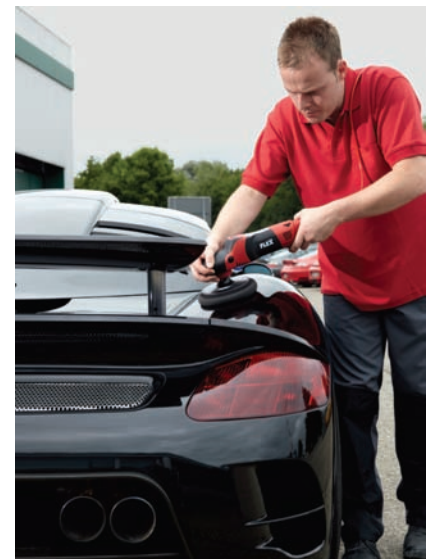
The spindle lock is ideally positioned to prevent operating error and does not interfere with the grip area.



SPECIFICATIONS	PE 14-2 150
Max. polishing pad diameter	8"
Max. back-up pad diameter	6"
Speed without load	600-2100 rpm
Power input	10 amp
Power output	880 watt
Tool fixture	5/8"
Length	15-3/4"
Height	4.7"
Weight	5.6 lbs
STANDARD EQUIPMENT	
1 side handle	198.633

ADVANTAGES AT A GLANCE

- VR electronic control: stepless speed selection, tachogenerator-controlled constant speed, overload protection, restart inhibit and temperature monitoring
- Powerful 1400 watt motor with highly-efficient ventilator for optimum cooling
- Continuous speed control trigger: for a gentle start, starting speed at Setting 1 (600-2100 rpm) and a lock-on for continuous operation.
- Optimized air ducting for optimum cooling of motor and gear, no annoying exhaust air for the user
- Innovative combination of planetary and angular gears reduces noise to an absolute minimum
- Flat gear head reduces distance to the surface. The machine can therefore be operated safely in any position
- Grip hood: ergonomically shaped with Soft Grip. The machine can be controlled with precision and is always comfortable yet secure to hold
- Spindle lock: ideally positioned to prevent operating error and does not interfere with the grip area
- Rubberized backing to protect machine and work surface



Sanding discs/polishing pads are to be purchased separately.

L 3403 VRG

335.371



The light-weight FLEX polishing machine with accelerator trigger switch for sanding and polishing

Slim contoured handle, high torque motor, lightweight, and a practical bail handle. That is how to polish easily and effortlessly in every job. The accelerator trigger switch and speed selection allow for a controlled acceleration to the optimal polishing speed.

SPECIFICATIONS	L 3403 VRG
Max. polishing pad diameter	6.5"
Max. back-up pad diameter	6"
Speed without load	1100-3700/min
Power input	10 AMP
Tool fixture	5/8 - 11
Weight	4.8 lbs

STANDARD EQUIPMENT	
1 bail handle	298.506
1 side handle	252.721

ADVANTAGES AT A GLANCE

- FLEX seven-fold microprocessor electronics: with consistent speed control by tachometer generator, soft start, accelerator trigger switch, restart protection after power interruption, overload protection, temperature monitoring, and speed selection
- High-powered motor: can handle extreme loads
- Spindle lock: for easy disc changes
- Quality shut-off carbon brushes: if the carbon brushes wear down, the motor will be automatically switched off and thus protected from damage
- Bail handle
- 10' black power cord

L 3403 VRG SPEED WITHOUT LOAD

1 - 1100/min	4 - 2300/min
2 - 1500/min	5 - 2700/min
3 - 1900/min	6 - 3700/min



Ideal for hard to reach places

The light-weight L 3403 VRG has the advantage wherever large polishers can't get to or would be too cumbersome.

Sanding discs/polishing pads are to be purchased separately.







Car Polishing

L 3403 VRG
XC 3401 VRG
PE 14-2 150
PE14-1 180

3

Accessories for polishing systems		Dimensions in inches	QP	Order Number				
	Sponge blue coarse (coarse, hard) Beveled edge, self-centering. Hybrid compounding pad.	6 1/2" x 1 1/4"	1	651.100	■	■	■	■
	Polishing Pad Beveled edge, self-centering polishing pad.	6-1/2" x 1 1/4"	1	651.150	■	■	■	■
	Ultra Finishing Pad Beveled edge, self-centering ultra finishing pad.	6-1/2" x 1 1/4"	1	651.250	■	■	■	■
	Bonded Sanding Pad With Hook Face NEW	3"	1	900.710	■	-	■	■
		4"	1	900.720	■	-	■	■
		5"	1	900.730	■	-	■	■
	Double Adapter 5/8" x 11 NEW	NA	6	951.125	■	-	■	■
	Lambswool Bonnet NEW	7"	1	651.500	■	-	■	■

L 3403 VRG	XC 3401 VRG	PE 14-2 150	PE14-1 180
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Accessories for polishing systems		Dimensions in inches		QP	Order Number	L 3403 VRG	XC 3401 VRG	PE 14-2 150	PE14-1 180
 <p>Velcro pad Soft and springy for uniform pressure distribution, universal applications for holding polishing accessories, with centering hole and centering tube, adapter 5/8"</p>	6-3/8"			1	289.957	■	■	■	■
 <p>Flexible backing pad for 5/8" backed lambs wool</p>	7"			1	305.936	■	-	■	■
 <p>Special Velcro® backing pads for XC 3401 VG variable speed dual action orbital polisher</p>	5-1/2"			1	342.637	-	■	-	-
	4-3/8"			1	383.317	-	■	-	-
 <p>Polisher Bag Made of tough canvas with reinforced seams and an extra large zippered opening. Lined with moisture-resistant vinyl for easy spill clean-up. Adjustable strap.</p>	20" x 12" x 10"			1	333.573	■	■	■	■
<p>Pad Washer</p> <p>FLEX introduces it's own Pad Washer to work effectively and efficiently with all FLEX polishers. The FLEX Pad Washer will clean all your buffing pads, both foam and wool, in just minutes. Using the technology of the Grit Guard Insert and the Grit Guard Extension, the FLEX Pad Washer provides a portable self-contained system which keeps all the mess of cleaning pads inside the unit.</p> <p>The process is simple, it extracts the contaminants in your buffing pads, forcing them below the surface of the Washer. Simply put your pad into the FLEX Pad Washer, while it is on your FLEX polisher. Turn your FLEX polisher on and the Grit Guard Insert will provide the surface to clean your pad. The splash guard on the FLEX Pad Washer will keep those contaminants and compounds inside the bucket so your work area will stay clean.</p> <p><i>Clean pads ensure perfection in polishing!</i></p> 				1	FLX/UPW		■	■	■

What do professionals use for grinding?

The Innovator and Leader in Grinder Technology

FLEX grinders are designed as rugged power tools and have been engineered to take a beating. We listened to our customers and have designed a family of power tools that will effectively get the job done. Any job, anywhere.

All **FLEX** grinders are equipped with our innovative Longlife carbon brushes. The carbon brushes inside the motor are tension spring loaded.

Many of the grinders are designed with full wave electronics and feature soft start, overload protection and temperature sensors to prevent the motor from overheating.

These products also feature an RPM cruise control. The full wave electronics will automatically adjust the motor strength to deliver consistent and constant RPM regardless of the pressure applied to the tool. Consistent and constant RPM are important, because it delivers superior grinding results and increases the overall life of the grinder.

FIGHT VIBRATION – FLEX SOFTVIB-HANDLE

The vibration damping construction of the elastic body of the SoftVib-Handle reduces vibration levels when compared to standard handle by up to 60%.

The hand and arm joints of the user are subjected to less stress and fatigue.



FLEXGRIP – THE MULTI-HANDLE
With built-in holding wrench for exchanging the discs without additional tools.



SLENDER REAR SPECIAL GRIP
Ideal for surface finishing because of extremely flat attack angle and balanced weight distribution. Equipped with dust-protected on/off switch located underneath, safety catch and lock.

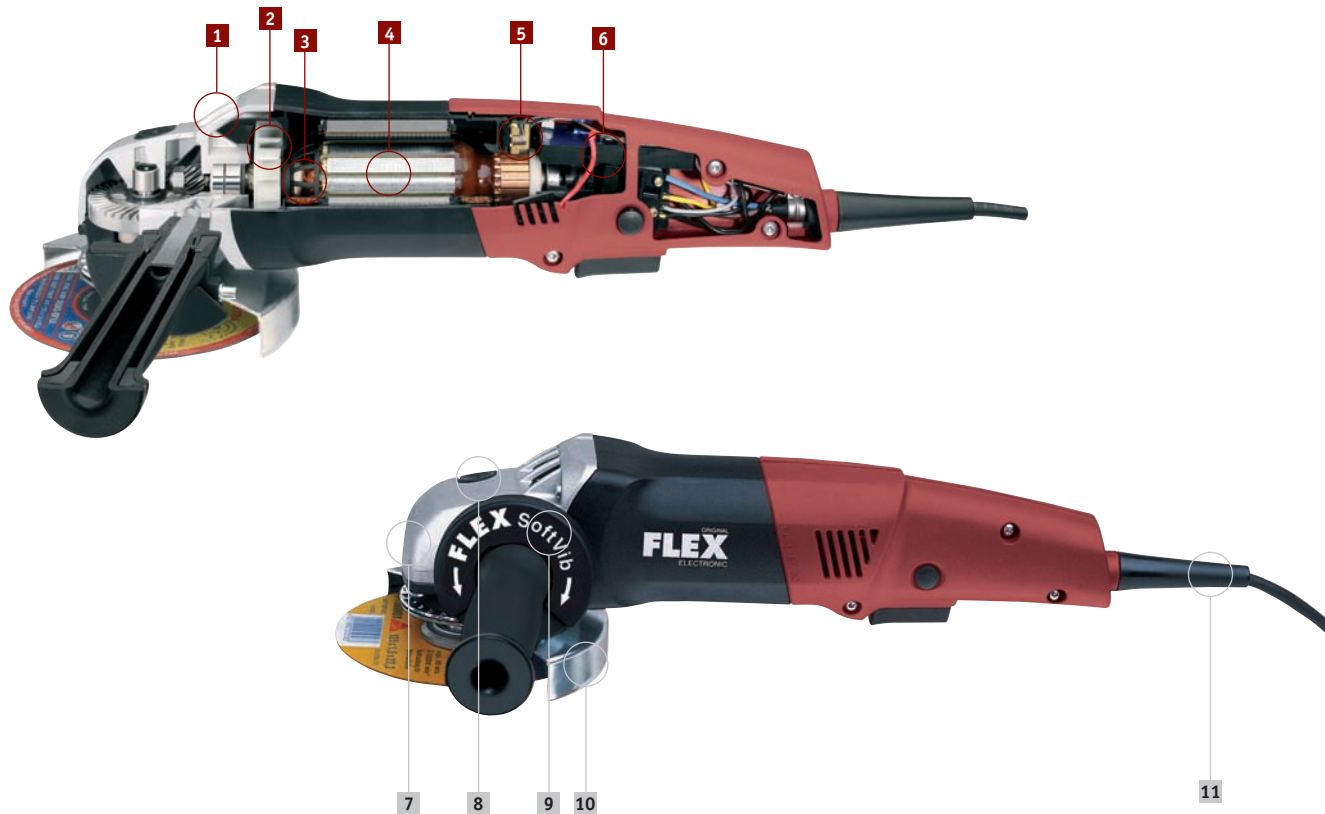


PATENTED SAFETY DISC GUARD
Can be adjusted without tools in 24 stop positions by 360 degrees. Turnable in one direction only.



Grinding
Sanding
Polishing

For metal and concrete
surfacing Angle grinders



- 1 Air vents to front**
Protects user and motor from abrasive swarf.
- 2 Large ventilator**
Optimized in wind tunnel test for maximum cooling
- 3 Winding protecting cage**
Rotating ribs prevent abrasive swarf from damaging the windings of the armature and provide for additional cooling. This extends the service life of the motor considerably.
- 4 High-performance armature**
Sustained power and endurance, heat-resistance. Winding protected from aggressive swarf by a winding protecting cage.
- 5 Quality auto-stop carbon brushes**
Protects the motor from damage.
- 6 Microprocessor electronics**
Greater performance, safer, more convenience.
- 7 Gearbox housing made of die-cast aluminum**
Light, sleek, robust.
- 8 Spindle lock**
double safety because of recessed design.
- 9 FLEX SoftVib – the multi-handle**
The vibration damping construction of the elastic body of the SoftVib-Handle reduces vibration levels noticeably. Equipped with built-in holding wrench - for exchanging the discs without additional tools.
- 10 Patented safety disc guard**
Adjustable without tools, impossible to lose, with rotation lock.
Perfection to the very last detail
Highly flexible cable bushing prevents cable breakage. 13-foot power cable with FLEX-red plug.

FLEX electronics:

More power, safer, longer service life

- **Four-fold microprocessor electronics:** with consistent speed control, soft start, starter lock, and overload protection
- **Five-fold microprocessor electronics:** with consistent speed control, soft start, starter lock, overload protection, and temperature monitoring
- **Six-fold microprocessor electronics:** with consistent speed control, soft start, starter lock, overload protection, temperature monitoring, and speed selection set by an adjustment wheel

FLEX Performance:

What is transferred to the disc is critical

- **Outstanding output:** thanks to highly machined armature
- **High operating efficiency:** great energy with cost-efficient operation
- **Best endurance run characteristics:** due to high manufacturing precision

FLEX Ergo design:

created for precise, low-fatigue work

- **Optimal center of gravity:** precisely in the middle of the machine; finely balanced
- **Sleek motor case:** with ergonomic, waisted grip depression
- **Structure surface*:** no slipping, for a secure grip

* on G-versions with super-sleander rear special grip

Wall and Ceiling Sander

WSE 7 Vario Plus

394.400

The new FLEX Handy-Giraffe® Wall And Ceiling Sander

The unique sander is ideally suited for sanding plaster boards, solid styropor insulation slabs, and for preparation for painting. VR electronic control includes stepless speed selection, tachogenerator-controlled constant speed, overload protection, re-start inhibit and temperature monitoring.



NEW

ADVANTAGES AT A GLANCE

- VR electronic control: stepless speed selection, tachogenerator-controlled constant speed, overload protection, restart inhibit and temperature monitoring.
- Completely cast electronic components prevent damage due to metal dust; 3-fold winding protection reduces motor wear and increases service life.
- Grip hood for easy handling and precise working.
- Interchangeable head system for round and triangular sanding head for sanding close to edges.
- Effective dust extraction from between the brush ring and sanding pad (round) and through the 10-hole extraction ports prevents clogging of the abrasive.
- Brush ring is spring-mounted so the round sanding head accurately follows all uneven contours.
- Backing pad with hook and loop face.
- Defined hose guidance and effective dust extraction due to large hose cross-section.
- Lightweight and easy-to-use

STANDARD EQUIPMENT

Round sanding head with velcro 60 grit	(3) 348.503
Round sanding head with velcro 100 grit	(3) 348.538
Round sanding head with velcro 180 grit	(3) 349.232
Triangular sanding head 80 grit	(3) 348.562
Triangular sanding head 100 grit	(3) 348.570
Velcro Sanding Grid, 80 grid	(2) 260.237
Velcro Sanding Grid, 100 grid	(2) 230.230
Dust Collector Nozzle	(1) 3135030

SPECIFICATIONS

SPECIFICATIONS	WSE 7
Power input	710 watt
Power output	420 watt
No load speed	600-1800 rpm
Corner sander no load speed	1800-5400 rpm
Width	13"
Length	4.75"
Height	5.7"
Weight	6.2 lbs.

Accessories for the WSE 7 Vario Plus Handy-Giraffe® Wall and Ceiling Sander

Sanding Heads/Backing Pads

Description	QP	Order number
Round Sanding Head	1	350.346
Triangular Sanding Head	1	388.289
Velcro Backing Pad Round, Hard 8.85"	1	350.362
Velcro Backing Pad Round, Medium 8.85"	1	352.306
Velcro Backing Pad Round, Soft 8.85"	1	366.862
Velcro Triangular Backing Pad	1	354.988

Sanding Paper, Round 8.85"

Description	QP	Order number
P 40 Grit, Sanding Paper, Round 8.85"	20	350.924
P 60 Grit, Sanding Paper, Round 8.85	25	348.503
P 80 Grit, Sanding Paper, Round 8.85	25	348.511
P 120 Grit, Sanding Paper, Round 8.85	25	349.216
P 150 Grit, Sanding Paper, Round 8.85	25	349.224
P 180 Grit, Sanding Paper, Round 8.85	25	349.232
P 220 Grit, Sanding Paper, Round 8.85	25	348.546
Pack of 80/100/120/150/180 Grit	25	370.932

Sanding Paper, Triangular 11.41"

Description	QP	Order number
P 40 Grit, Sanding Paper, Triangular 11.41"	20	370.940
P 60 Grit, Sanding Paper, Triangular 11.41"	25	348.554
P 80 Grit, Sanding Paper, Triangular 11.41"	25	348.562
P 100 Grit, Sanding Paper, Triangular 11.41"	25	348.570
P 120 Grit, Sanding Paper, Triangular 11.41"	25	349.240
P 150 Grit, Sanding Paper, Triangular 11.41"	25	349.259
P 180 Grit, Sanding Paper, Triangular 11.41"	25	349.267
P 220 Grit, Sanding Paper, Triangular 11.41"	25	348.589
Pack of 80/100/120/150/180 Grit	25	370.959

Velcro Abrasives, Round 8.85"

Description	QP	Order number
80 Grit Velcro Sanding Grid, Round 8.85"	25	260.237
100 Grit Velcro Sanding Grid, Round 8.85"	25	260.230
S320 Grit Superfinishing Pad, Round 8.85"	10	281.026
S1200 Grit Superfinishing Pad, Round 8.85"	10	281.018
A 100 Grit Velcro Sanding Fleece, Round 8.85"	10	281.042
A 180 Grit Velcro Sanding Fleece, Round 8.85"	10	281.034
Soft Velcro Polishing Sponge, Round 8.85"	5	280.992

Grinding
Sanding
Polishing

Stainless Steel Vacuum

VC 12
398.403

NEW



Stainless Steel Vacuum

The new FLEX Stainless Steel Vacuum delivers the rugged durability and professional performance you need for garage, shop, factory, workshop or office. Stainless steel tank is easy to clean and features a tank drain that lets you empty the tank without lifting the vac. Super quiet performance for use in a variety of office, hospital and school environments. Comes equipped with static guard strap and full dolly with tool holder.

ADVANTAGES AT A GLANCE

- Super Quiet Operation.
- Tank drain lets you drain water without lifting the unit.
- Variety of 1.25" accessories available.
- Stainless steel for extra durability
- Static guard strap
- Fully dolly with tool holder
- Extra outlet on vac for power tools



On Demand Feature






Static Guard Strap

SPECIFICATIONS	VC 12
Tank Capacity	12 Gallons
Peak HP	6.0
Sealed Pressure	60"
Electrical Specs	12V, 60 Hz, 12 amps
Weight	40 lbs.
Hose Length	12' LockOn
Airflow	175 CFM
Power Cord	18 Foot

STANDARD EQUIPMENT	
12' x 1.25" hose (friction)	9057100
1.25" extension wands	(2) 9061400
10" dual surface nozzle	9060300
Round brush nozzle	9061500
Cartridge filter with retainer	9030400
Collection bag	9067200

Accessories for the VC 12 Stainless Steel Vac

	QP	Order Number
 Gore HEPA Cartridge Filter	1	9034005
 Disposable Filter Bag	1	9067205
 Cartridge Filter with Retainer	1	9030400
 Claw Nozzle for Car Upholstery	1	9196105



4

Grinders - Sanders - Polishers

L 1106 VE

267.090



Compact, Electronic 5\"/>

This 6.6 AMP angle grinder/polisher is two tools in one. When operated at low RPMs the tool can be used as a polisher. When operated at high RPM the tool becomes a grinder.

L 3406 VRG

303.917



Compact, High Performance 5\"/>

Powerful 11 AMP variable speed grinder is small and agile. Great staying power, low gear ratio, plus speed selection with adjustment wheel for controlled acceleration to the required speed. This gives you a sensitive polisher on one hand and a powerful sander in the mid-speed range on the other hand. Equipped with slender rear stick handle for extremely flat attack angles.

ADVANTAGES AT A GLANCE

- Spindle lock: for easy disc changes
- Tool fixture: 5/8-11 spindle thread
- Quality shut-off carbon brushes: protects the motor against damage

ADDITIONALLY FOR L 1106 VE

- Compact dimensions
- Grip cover: detachable and extremely sensitive guiding
- Additional handle: can be used in 2 positions

ADDITIONALLY FOR L 3406 VRG

- FLEX Six-fold microprocessor electronics: Speed selection, consistent speed control by tachometer generator, soft start, restart protection after power interruption, overload protection, and temperature monitoring
- FLEX Motor: designed to handle substantial loads with highest efficiency for powerful output, great endurance thanks to perfect cooling, and air vents aimed to front
- FLEXgrip: ingenious solution with integrated pin spanner for wrench-free disc changing. It can be fitted on the left or right
- Gearbox: particularly flat and robust aluminum die-cast construction, accesses all corners
- Extensive dust protection for motor and gears
- Air exits at front, so the user is protected against grinding dust
- Quick-change guard with safety groove: universal tool-free adjustment, prevents the guard from slipping off
- Switch: with lock-off switch and lock/on switch

4

SPECIFICATIONS	L 1106 VE
Max. disc diameter	5"
Speed, without load	2,000-6,500 RPM
Power input	6.4 AMP
Tool fixture	5/8-11
Weight	3.5 lbs

STANDARD EQUIPMENT	
1 Guard 5"	267.503
1 side handle	194.034
1 clamping flange	132.322
1 retaining nut	132.330
1 spanner wrench	100.110
1 removable plastic grinder head cover	259.403

SPECIFICATIONS	L 3406 VRG
Max. disc diameter	5"
Speed, without load	2,100-6,400 RPM
Power input	11 AMP
Tool fixture	5/8-11
Weight	4.1 lbs

STANDARD EQUIPMENT	
1 Guard 5"	274.658
1 FLEXgrip™ handle	292.354
1 clamping flange	132.322
1 retaining nut	132.330

Sanding discs/polishing pads are to be purchased separately.

L 1503 VR

252.292



Compact, High Performance 6" Variable Speed Sander/Polisher

Powerful 10 AMP sander/polisher specially designed for work on soft natural stone and sensitive metal surfaces. When plastic grinder head cover is removed, tool is able to reach into the tightest areas.

SPECIFICATIONS	L 1503 VR
Max. tool diameter	6"
Speed, without load	1,200-3,700 RPM
Power input	10 AMP
Tool fixture	5/8-11
Weight	4.2 lbs

STANDARD EQUIPMENT	
1 side handle	194.034
1 grip cover	259.403

Sanding discs/polishing pads are to be purchased separately.

L 1506 VR

267.023



Compact, Heavy Duty 5" Variable Speed Sander/Polisher

Powerful 11 AMP full wave electronic sander/polisher with infinitely adjustable variable speed (2,200-6,800 RPM). Used in metal, automotive and natural stone industries.

SPECIFICATIONS	L 1506 VR
Max. disc diameter	5"
Speed, without load	2,200-6,800 RPM
Power input	10 AMP
Power output	700 Watts
Tool fixture	5/8-11
Weight	4.2 lbs

STANDARD EQUIPMENT	
1 guard	267.503
1 side handle	194.034
1 clamping flange	132.322
1 retaining nut	132.330
1 spanner wrench	100.110
1 removable plastic sander head cover	259.403

ADVANTAGES AT A GLANCE

- Spindle lock: for easy disc changes
- Tool fixture: 5/8-11 spindle thread
- Quality shut-off carbon brushes: protects the motor against damage

ADDITIONALLY FOR L 1503 VR

- FLEX VR electronics: with consistent speed control by tachometer generator, soft start, overload protection, and speed selection.
- Compact dimensions

ADDITIONALLY FOR L 1506 VR

- FLEX four-fold VR electronics: with consistent speed control by tachometer generator, soft start, overload protection, and speed selection.
- Compact dimensions
- Spindle lock: for easy disc changes
- Tool fixture: 5/8-11 spindle thread
- Quality shut-off carbon brushes: protects the motor against damage.

Sanders/Polishers

L 3410 VRG ADVANTAGES AT A GLANCE

- FLEX Six-fold microprocessor electronics: Speed selection, consistent speed control by tachometer generator, soft start, restart protection after power interruption, overload protection, and temperature monitoring
- FLEX Motor: designed to handle substantial loads with highest efficiency for powerful output, great endurance thanks to perfect cooling, and air vents aimed to front
- FLEXgrip: ingenious solution with integrated pin spanner for wrench-free disc changing. It can be fitted on the left or right
- Gearbox: particularly flat and robust aluminum die-cast construction, accesses all corners
- Safety guard: patented, with anti-twisting lock

ADDITIONALLY FOR LE 9-10 125

- Microprocessor electronics: with tachogenerator constant speed control, speed control, soft start, restart protection after power failure, overload protection and temperature monitoring
- Powerful, strong motor for quick working progress
- Kickback stop shuts down the motor on the disc being blocked
- Additional handle: can be used in 2 positions



Tool-free adjustment of safety guard for easy, convenient operation.

L 3410 VRG

337.714

Compact, High Performance 5" Variable Speed-Grinder

Powerful 10 AMP variable speed grinder is small and agile. A master of versatility, thanks to variable speed and excellent power. Ideal for grinding, roughing, cutting, deburring and removal of rust. No matter what the task may be, the slim, saddle-shaped motor housing and grip handle mean that this FLEX sits perfectly in your hand. The flat aluminum die cast gear head allows the tool to reach into the tightest areas.



SPECIFICATIONS	L 3410 VRG
Max. disc diameter	5"
Speed, without load	3,000-11,000 RPM
Power input	10 AMP
Tool fixture	5/8-11
Weight	4.1 lbs

STANDARD EQUIPMENT	
1 grinder guard	294.438
1 FLEXgrip™ handle	292.354
1 clamping flange	132.322
1 retaining nut	132.330

LE 9-10 125

350.672

High Performance Variable Speed Angle Grinder

This universal angle grinder is ideally suited for steel/metal surface finishing, for work on the jobsite, renovations as well as for vehicle bodywork and construction firms. Tool-free adjustment of safety guard for convenient operation. Double winding protection from metal dust reduces motor wear and lengthens service life.



SPECIFICATIONS	LE 9-10 125
Max. disc diameter	5"
Speed, without load	6,000-10,000 RPM
Power input	900 watt
Power output	500 watt
Weight	4.3 lbs.

STANDARD EQUIPMENT	
1 grinder guard	358.029
1 handle	335.274
1 clamping flange	335.282
1 clamping nut	100.080

Sanding discs/polishing pads are to be purchased separately.

THE SPECIALIST FOR LARGER PIPE DIAMETERS

The sanding belt nestles itself to any curve - up to 10" diameter. Weld seam and pipe sander **LBR 1506 VRA**.



THIS ROUNDS IT OFF
Rubber drive and polishing fleece mirror-finish stainless steel guard-rails. Burnishing machine **LP 1503 VR**.



FLEX Metal Surface Treatment Guide

Removal of weld seams on stainless steel, steel and aluminum

- Pre-sand with coarse grinding grits (60-100 grits) depending on the thickness of the welding seam.
- As soon as the welding seam has almost been sanded to the level of the surface, change to a finer grit (120-180 grits). Work through the sequence of ever finer grits until the requested finish is achieved. Do not skip grit levels.
- Use SCM belts to achieve a decorative finish:
 - Use a 100/120 or a 180/240 granulation SCM belt to achieve a dull finish. Machine should be set to "3" on the RPM pre-set dial.
 - Use a 400 granulation SCM belt to achieve a brilliant finish. Machine should be set to "6" on the RPM pre-set dial.

Removal of scratches from stainless steel and non-ferrous metal

- The deeper the scratch, the coarser the grit is to be used.
- Start sanding with the coarsest grit. Machine should be set to "2" on the RPM pre-set dial. Move the sander over the entire area of the scratch.
- When the scratch is almost invisible, start working with even finer grits until desired finish has been achieved. Do not skip grit levels as this will leave an unfavorable finish.

Achieving a polished mirror finish on stainless steel and non-ferrous metal

- Start with a coarse grit. Work the surface until you have a "universal scratch pattern".
- Step through the various grit levels (grit 400, grit 600, grit 1,500) until you have finished with the finest grit. Only proceed to the next grit level when a universal scratch pattern has been achieved.

Metal Surface Treatment Tools






Revolutionary Metal Treatment Tools

FLEX metal surface treatment products were designed with a very specific purpose: To reduce the time needed to treat metal products and thus increase the productivity of the metal surface treatment professional.

The metal surface products include the revolutionary LBR 1506 VR pipe sander, the LBS 1105 VE finger belt sander and the LP 1503 VR finishing machine.

METAL SURFACE TREATMENT TOOLS

	TYPE OF TOOL	APPLICATION	INDUSTRY
 <p>LBR 1506 VRA</p>	<p>"wrap around" pipe sander</p>	<ul style="list-style-type: none"> • Pipe sanding • Removal of welding seams • Removing paint/varnish • Sanding handrails 	<ul style="list-style-type: none"> • Refineries • Liquid/Gas process manufacturers • Food processing industry • Marine applications • Hospitals • Kitchen/Bath
 <p>LP 1503 VR</p>	<p>Infinitely adjustable universal metal finishing machine</p>	<ul style="list-style-type: none"> • Polishing, smoothing, dulling, graining, brushing, deburring and roughening of stainless steel, aluminum and synthetic surfaces 	<ul style="list-style-type: none"> • Metal fabrication shops • Automotive • Kitchen/bath stainless steel sink manufacturers • Faucet manufacturers • Decorative finishing shops
 <p>LRP 1503 VRA</p>	<p>Boa sander- All around polishing solution</p>	<ul style="list-style-type: none"> • The perfect solution for sanding and polishing pipe construction 	<ul style="list-style-type: none"> • All industries that have hard to reach areas requiring sanding and polishing

LBR 1506 VRA

282.510



Pipe Belt Sander for Weld and Seam Sanding Applications.

The LBR 1506 VRA is a "wrap-around" pipe sander. The sanding belt wraps around the pipe and consequently requires only a few steps to sand the entire circumference of the pipe. The LBR 1506 VRA is designed to work on 3/8 to 10" diameter pipes and renders welding seams invisible and carefully gives every stainless steel pipe a high gloss finish. Due to its very powerful 11 AMP motor, its infinitely adjustable speeds and its unique wrap-around technology, this product is used where many pipes and handrails are found (refineries, liquid/ gas operations, food processing industries and hotels).

Accessories: see page 38.

SPECIFICATIONS	LBR 1506 VRA
Power input	11 AMP
Belt speed	33-98 ft/sec
Belt dimensions	618 x 40 mm
Weight	11.25 lbs

STANDARD EQUIPMENT	
1 side handle	252.721
1 bail handle	259.290
1 set of grit sanding belts (36, 60, 120, 240)	246.816
1 Hexagon socket screw key, special tool 5	115.460
1 Hexagon socket screw key, special tool 6	104.167
1 Hexagon socket screw key, special tool 3	178.772



ADVANTAGES AT A GLANCE

- Quality shut-off carbon brushes: protects the motor against damage

ADDITIONALLY FOR LBR 1506 VRA

- FLEX four-fold full-wave electronic control: with consistent speed control, soft start, overload protection and speed pre-selection
- Sanding belt tension: spring loaded, adapts to pipe diameter from 3/8 to 10"
- Sanding belt replacement: quick and easy
- Light design: for work without fatigue
- Sanding belts: wide assortment included sanding fleece for stainless steel applications



Metal Surface Treatment Tools

LP 1503 VR

254.037



The FLEX burnishing machine for highly polished surfaces

This machine specializes in shadow-free, transitionless finishes on metal (i.e. stainless steel, aluminum), wood and plastic surfaces. Electronic control and speed pre-selection over a broad RPM range lends it unique versatility. Ideal for finishing, polishing, smoothing, dulling, graining, brushing and deburring, thanks to an extensive range of accessories. **Grinding discs/polishing pads are to be purchased separately. Accessories: see page 32-34.**

SPECIFICATIONS	LP 1503 VR
Power input	10 AMP
Max. tool diameter	4.5"
Tool width	4"
Tool fixture	3/4"
Speed, without load	1,200-3,700 RPM
Weight	7.9 lbs

STANDARD EQUIPMENT

1 set of distance rings	250.522
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LP 1503 VR PROFI-Set



The FLEX burnishing machine for highly polished surfaces in the PROFI-Set

Shadow-free and transmission-free metal, wood, or plastic surfaces are its specialty. Its extensive FLEX accessories make it ideal for satin-finishing, polishing, descaling, smoothing, matting, structuring, brush polishing, and deburring. Start right up with the PROFI set in the toolboxes; everything is included. Machine without standard equipment: Order no. 254.037

SPECIFICATIONS	LP 1503 VR PROFI-SET	
Power input	10 AMP	
Max. tool diameter	4.5"	
Tool width	4"	
Tool fixture	3/4"	
Speed, without load	1,200-3,700 RPM	
Weight	7.9 lbs	

STANDARD EQUIPMENT

1 air pump	257.004	256.284
1 rubber air roller		256.415
1 drive roller		255.731
1 kit of distance rings		250.522
1 fleece grit 280/320		256.975
1 sanding sleeve, 60 grit		256.285
1 sanding sleeve, 100 grit		256.286
1 sanding sleeve, 180 grit		256.287
1 fleece sanding sleeve, red		256.289
1 fleece sanding sleeve, blue		256.290
1 sanding-polishing sleeve 600 grit		318.175
1 sanding-polishing sleeve 1500 grit		318.183
2 Velcro drive belts		281.050
1 Velcro drive belts A 180		281.077
2 Velcro sanding belts, 120 grit		284.726
1 Velcro polishing belt, 1500 grit		318.736
1 plastic carrying case with padding		319.066

ADVANTAGES AT A GLANCE

- FLEX four-fold full-wave electronic control: with consistent speed control, soft start, overload protection and speed pre-selection
- Sanding tool replacement: tool-free
- Adjustable guard: for sanding tools up to 4-1/2" diameter
- Quality shut-off carbon brushes: protects the motor against damage
- 10 ft black power cord



Everything needed for universal application of the burnishing machine is clearly arranged in the case. Beyond that it provides sufficient room for additional accessories.



LRP 1503 VRA

331.694

The FLEX Boa sander: the all-round polishing solution

The perfect solution for sanding and polishing pipe constructions. The sanding arm wraps itself around the pipe like a snake when pressure is applied, tackling radii up to 270°. Spring resistance between the deflection rollers means that the sanding arm and sanding belt are always uniformly pretensioned. The Boa needs only be rotated slightly to continue treatment and achieve the perfect finish. In tight places - i.e. handrails that are fixed close to walls - the additional handle can be rotated 180°.



STANDARD EQUIPMENT

1 sanding belt, continuous, 80 grit, 760 x 40 mm	326.739
1 sanding belt, continuous, 120 grit, 760 x 20 mm	326.801
1 sanding belt, continuous, 220 grit, 760 x 20 mm	326.836
1 sanding fleece, continuous, fine, 760 x 40 mm	326.852
1 sanding fleece, continuous, medium, 760 x 40 mm	326.879
1 sanding-polishing belt, continuous, 600 grit, 760 x 40 mm	326.917
1 sanding-polishing belt, continuous, 1500 grit, 760 x 40 mm	326.933
1 plastic carrying case with padding	327.603

SPECIFICATIONS	LRP 1503 VRA
Power input	11 AMP
Belt speed	4-12 m/sec
Belt dimension	760 x 40/20 mm
Pipe max.	5"
Weight	8.2 lbs

ADVANTAGES AT A GLANCE

- Quality shut-off carbon brushes: protects the motor against damage
- FLEX four-fold full-wave electronic control: with consistent speed control by tachometer generator, soft start, overload protection and speed preselection
- Sanding belt replacement: quick and tool-free
- High-quality 270° sanding arm: light alloy with 2 deflection rollers. Quicker progress, perfect finish, simple operation
- Additional side handle: can be rotated 180°, for narrow places
- Quality shut-off carbon brushes: if the carbon brushes wear down, the motor will be automatically switched off and thus protected from damage
- 10' black power cord
- Plastic carrying case: everything where you want it, when you want it. Standard design with extensive accessories



Quality Accessories Metal Finishing

Continuous belts for LBR 1506 VRA and LP 1503 VR

Sanding belt, continuous



For pre-sanding pipes and pipe fittings

Dimensions in inches	Grit	QP	Order number
24" x 1 1/2"	36	10	223.670
24" x 1 1/2"	60	10	223.689
24" x 1 1/2"	120	10	266.132
24" x 1 1/2"	240	10	250.610

Sanding fleece, continuous



For pre-sanding pipes and pipe fittings

Dimensions in inches	Grit	QP	Order number
24" x 1 1/2"	240	3	317.977
24" x 1 1/2"	400	3	317.985
24" x 1 1/2"	100	3	317.969

Belts with Velcro™ attachment for burnishing machine LP 1503 VR

Velcro™ sanding belt



For pre-sanding pipes and pipe fittings

Dimensions in inches	Grit	QP	Order number
24" x 1 1/2"	60	10	284.718
24" x 1 1/2"	120	10	284.726

Velcro™ polishing belt



For high-gloss polishing of stainless steel

Dimensions in inches	Grit	QP	Order number
24" x 1 1/2"	1500	2	318.736

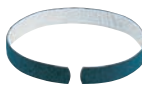
Velcro™ fleece



For pre-sanding pipes and pipe fittings

Dimensions in inches	Grit	QP	Order number
24" x 1 1/2"	180	2	281.077
24" x 1 1/2"	400	2	281.085

Velcro™ drive belt, blue

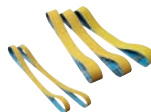


For closing and releasing the different belts. Simple application - tensile strength up to 220 lbs.

Dimensions in inches	QP	Order number
27.5" x 1 1/4"	2	281.050

Accessories for Boa sander LRP 1503 VRA

Sanding belt, continuous



For polishing pipes and pipe fittings

Dimensions in inches	Grit	QP	Order number
30" x 1 1/2"	80	10	326.739
30" x 1 1/2"	120	10	326.755
30" x 1 1/2"	220	10	326.771
30" x 3/4"	120	10	326.801
30" x 3/4"	220	10	326.836

Sanding-polishing belt, continuous



For high-gloss polishing without polishing agents in two steps

Dimensions in inches	Grit	QP	Order number
30" x 1 1/2"	600	1	326.917
30" x 1 1/2"	1500	1	326.933

QP = Quantity per package

Sanding fleece, continuous



For polishing pipes and pipe fittings

Dimensions in inches	Grit	QP	Order number
30" x 1 1/2"	Fine	3	326.852
30" x 1 1/2"	Medium	3	326.879
30" x 1 1/2"	Coarse	3	326.895

Accessories for the LP 1503 VR finishing machine for metal and stainless steel

Poli-clean



Hard-structured fleece wheel. For cleaning welds and intensive, pore-deep removal of rust and oxidation layers. Also creates particularly decorative longitudinal finishes on stainless steel.

Dimensions in inches	QP	Order number
4" x 4"	1	257.375

Flap wheel sanding



Flexible sanding wheel with individual flexible flap-type sanding lamellae and keyway. 2 wheels are required. For paint removal, sanding and strong graining applications. Removes scratches, rust, old paint, scale and burrs. The 40 grit employed enables the removal of even deep scratches on stainless steel.

Dimensions in inches	Grit	QP	Order number
4" x 2"	40	1	250.496
4" x 2"	60	1	250.498
4" x 2"	80	1	250.499
4" x 2"	120	1	250.501

Sanding fleece



Flexible polishing wheel made of sanding grit-impregnated nylon web with a keyway. Achieves effective surface finishes on stainless steel, copper, aluminum, brass, etc. Also ideal for cleaning oxidized coatings and smoothing plastic and wood.

Dimensions in inches	Grit	QP	Order number
4" x 4"	80/100	1	256.973
4" x 4"	180	1	256.974
4" x 4"	280/320	1	256.975
4" x 4"	400	1	256.976

Cotton buffing wheel



Polishing ring made of impregnated cotton cloth. 8 are required. Achieves a high-gloss polishing finish on aluminum, brass and stainless steel.

Dimensions in inches	QP	Order number
4" x 1/2"	8	317.950

Distance ring set



Required for nylon brushes, stainless steel wire brushes, stranded wire brushes, cotton buffing wheels. Also necessary for sanding flaps, sanding fleeces, sanding fleece flaps, fine sanding rollers and sanding wheels less than 100 mm wide if only one sanding wheel is to be mounted.

	QP	Order number
Distance Ring Set	1 set	250.522

Rubber air roller



With air pump and ring fastener. For sensitive contour sanding

Dimensions in inches	QP
3 1/2" x 4"	1 257.004

Sanding-polishing sleeve



For high-gloss polishing without polishing agents in two steps

Dimensions in inches	Grit	QP
3 1/2" x 4"	600	1 318.175
3 1/2" x 4"	1500	1 318.183

Zirconium corundum sanding sleeves



For coarse and medium sanding

Dimensions in inches	Grit	QP
3 1/2" x 4"	60 blue	5 256.285
3 1/2" x 4"	100 grey	5 256.286
3 1/2" x 4"	180 brown	5 256.287

Fleece sanding sleeves



For decorative finishes

Dimensions in inches	Grit	QP
3 1/2" x 4"	100/120 brown	1 256.288
3 1/2" x 4"	180/240 red	1 256.289
3 1/2" x 4"	400 blue	1 256.290

Drive roller



For sanding belt drive

Dimensions in inches	QP
3" x 4"	1 255.731

Service Centers

Master Parts Distributor For FLEX North America

Powerhouse Distributing

11011 "I" Street • Omaha, NE 68137
Toll Free: 888-809-4749 • Fax: 888-809-4748

ALABAMA

Alabama Jack
1140 5th Avenue North
Birmingham, AL 35203
Phone: 205-251-8156

ARIZONA

Arizona Armature
4641 S 33rd
Phoenix, AZ 85040
Phone: 602-296-4434

Glenn's Tool Service
2149 E. Indian School Road
Phoenix, AZ 80160
Phone: 602-264-6203

Precision Tool And Supply
4857 East 29th Street
Tucson, AZ 85711
Phone: 502-745-1100

UltraTuf Diamond
3206 E. President Street
Tucson, AZ 85714
Phone: 520-294-5006

ARKANSAS

Tool Service Co.
5732 Wheeler Avenue
Fort Smith, AR 72901
Phone: 479-648-3125

CALIFORNIA

Cut It
1950 Channel Drive
West Sacramento, CA 95691
Phone: 916-372-8848

Davis Tool Company
2911 S. Main Street #1
Santa Ana, CA 92707
Phone: 714-549-7836

Kleer-Vu Repair
11728 Johnson Lake Road
Lakeside, CA 92040
Phone: 619-561-1720

Lee's Tools
1924 N. Long Beach Blvd.
Compton, CA 90221
Phone: 310-639-1900

CALIFORNIA (cont.)

Minit Tool Co., Inc.
4170 E. Washington Blvd.
Los Angeles, CA 90023
Phone: 323-264-7006

Unlimited Tool & Equip. Repair
130 S. Linden Ave., Unit H
San Francisco, CA 94080
Phone: 650-589-2941

CONNECTICUT

Colony Tool & Supply
15 Stiles Road
New Haven, CT 06512
Phone: 203-469-0000

CS Unitec Inc.
22 Harbor Avenue
Norwalk, CT 06850
Phone: 800-700-5919

Utility Electric Service
255 Chapell Road
South Windsor, CT 06074
Phone: 860-246-7271

FLORIDA

Tool Master Inc.
196 East 4th Avenue
Hialeah, FL 33010
Phone: 305-883-1903

Empire Tool Company
2296 W. 80th Street
Hialeah, FL 33016
Phone: 305-821-0740

Florida Tool Repair
5821 Hallandale Beach Blvd.
Hollywood, FL 33023
Phone: 954-892-2310

GEORGIA

South City Tool Inc.
5442 Frontage Rd. Ste 100
Forest Park, GA 30297
Phone: 404-608-9999

Romey Power Tool Repair
121 Price Hills Trail
Sugar Hill, GA 30518
Phone: 770-932-8175

KENTUCKY

Value Tools Inc.
2501 Crittenden Drive
Louisville, KY 40217
Phone: 502-636-2835

LOUISIANA

Beerman Precision Inc.
4206 Howard Avenue
New Orleans, LA 70125
Phone: 504-207-6000

MARYLAND

Machine Doctor
311 Conowingo Road
Conowingo, MD 21918
Phone: 410-378-0094

MASSACHUSETTS

Renner-Colony LLC
5 Robert J Way
Plymouth, MA 02360
Phone: 800-339-2219

Star Sales
29 Commerce Way
Woburn, MA 01801
Phone: 781-933-8830

MINNESOTA

Thomas Tool & Supply
1081 E. Highway 36
Maplewood, MN 55109
Phone: 651-765-4900

Thomas Tool & Supply
945 37th Avenue NW
Rochester, MN 55901
Phone: 507-281-3786

Thomas Tool & Supply
3401 West Highway 13
Burnsville, MN 55337
Phone: 952-895-5613

Thomas Tool & Supply
2987 West Highway 12
Willmar, MN 56201
Phone: 320-231-1009

Thomas Tool & Supply
4901 West Broadway
Crystal, MN 55429
Phone: 763-533-2499

Service Centers

MINNESOTA (cont.)

Tool Warehouse Inc.
3410 East 42nd Street
Minneapolis, MN 55406
Phone: 612-727-4260

Tool Warehouse Inc.
9 Lincoln Avenue SE
St. Cloud, MN 56302
Phone: 800-868-7896

NEBRASKA

Powerhouse Distributing
11011 "I" Street
Omaha, NE 68137
Phone: 402-715-5999

NEW YORK

Authorized Tool Repair
153-27 Barclay Avenue
Flushing, NY 11355
Phone: 718-939-2661

Five Boro-Tronics, Inc.
801 East 42nd Street
Brooklyn, NY 11210
Phone: 718-338-8911

Forestiére Power Tool & Equip. Co.
62-02 64th Street
Middle Village, NY 11379
Phone: 718-416-0378

Sunrise Tool Repair
124 Sunrise Highway
West Islip, NY 11795
Phone: 631-661-5548

NORTH CAROLINA

Chris Supply Co. Inc.
1640 S. Saunders Street
Raleigh, NC 27603
Phone: 919-833-4499

OHIO

Cincinnati Electrical Repair LLC
2023 Elm Street
Cincinnati, OH 45202
Phone: 513-621-2183

Spartan Tools
1660 Alum Creek Drive
Columbus, OH 43209
Phone: 614-443-7607

Tool House, Inc.
11909 Tramway Drive
Sharonville, OH 45241
Phone: 513-821-3000

OREGON

Chas H. Day Company
602 SE 11th Avenue
Portland, OR 97214
Phone: 503-232-1659

Eugene Power Tool Repair
245 Van Buren
Eugene, OR 97402
Phone: 541-232-5081

SOUTH CAROLINA

Trado Supply Inc.
1015 Whitehall Road
Anderson, SC 29625
Phone: 800-868-7896

TEXAS

American Tool & Fastener
1331 E. Plano Pkwy, Ste. B
Plano, TX 75074
Phone: 972-801-9909

Empire Tools
6327 West 34th Street
Houston, TX 77092
Phone: 713-957-8665

Floor Care Equipment Repair
902 Old Austin Hutto Rd., #204
Pflugerville, TX 78660
Phone: 512-990-7177

The Tool Clinic
5126-K Broadway Avenue
Haltom City, TX 78117
Phone: 817-656-5640

Tread-Mill Industrial
5006 Railroad Avenue
Deer Park, TX 77536
Phone: 832-248-5952

UTAH

A-1 Industrial Tool
564 W. 9320 S
Sandy, UT 84070
Phone: 866-802-6383

CANADA SERVICE CENTERS**ALBERTA**

Power Tool Klinik LTD
Bay 6-2520 23rd St NE
Calgary, Alberta T2E 8L2
Phone: 403-276-4633

ALBERTA (cont.)

Dan's Power Tool Repair Service
6331-13 Ave. N.W.
Edmonton, Alberta T6L 2E5
Phone: 780-490-1955

BRITISH COLUMBIA

Rutzen Industries, LTD
Unit D, 12117 88th Ave
Surrey, BC V3W 3H8
Phone: 604-590-0112

Apollo Stone Art Co. LTD
Unit 105-4471 #6 Road
Richmond, BC V6V 1P5
Phone: 604-279-8577

MANITOBA

Athena Small Equipment Repair
1125 Empress Street
Winnipeg, MB R3E 3H1
Phone: 204-786-1900

NEW BRUNSWICK

Electric Motor Services
129 West Morland Street
Fredericton, NB E2B 3L4
Phone: 506-458-8770

ONTARIO

Original Power Tools Co. Ltd.
7508 Bath Road
Mississauga, ON L4T 1L2
Phone: 905-612-8252

Kingspoint Small Engine
16-190 Bovaird Drive West
Brampton, ON L7A 1A2
Phone: 905-612-8252

Struthmann Enterprises
13 287 Tiffin
Barrie, ON L4N 7R8
Phone: 705-726-9892

QUEBEC

GranQuartz Stone Canada
137 Rue Junction
Stanstead, Quebec JOB 3E4
Phone: 800-520-7223

Derusha Supply, Inc.
33 Canusa Street
Stanstead, Quebec JOB 3E2
Phone: 819-876-2722

MEXICO SERVICE CENTERS

ERI Garela, S.A. de C.V. Equipos Y Refacciones Industriales Gareli
Av. Plan de Ayala #3487 Fracc.
Revolucion Tlaquepaque, Jal. C.P. 45580
Phone: 3587-5953

LaGacero Abrasivos S.A. DE C.V.
Cuencame No. 190 Parq. Industrial
LanguneroComez Palacio, DGO.
Mexico C.P. 35078
Phone: 871-719-1141

Notes

Recommended Extension Cords

FLEX 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								
	25	50	100	150	200	250	300	400	500
0-2	18	18	18	16	14	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						

Conversion Chart

inch to mm

1 inch = 25.4 mm

1mm = 3/64 inch

To Convert to Millimeters (mm)

Multiply inches
x 25.4

To Convert to Inches

Multiply millimeters
x 0.03937 or
divide by 25.4

FLEX North America limited

ONE YEAR WARRANTY

FLEX North America warrants its Professional Power Tools for a period of one year from the date of original purchase. The PLW 923 S Air Stone Sander/Polisher has a 90 day manufacturers warranty. Pneumatic Tools carry a 90 day warranty from the date of purchase. We will repair or replace at our option, any part or parts of the product and accessories covered under this warranty which, after examination, proves to be defective in workmanship or material during the warranty period. For repair or replacement, return the complete tool or accessory, transportation prepaid, to your nearest Authorized Service Station. Proof of purchase may be required. This warranty does not apply to o-rings and driver blades, or to repair or replacement due to misuse, abuse, use of electrical converters, normal wear and tear or repairs attempted or made by someone other than our Authorized Service Stations.

ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE.

To obtain information on warranty performance please write to:

FLEX - North America, Inc.
2720 E. Phillips Road
Greer, SC 29650, U.S.A.
1-877-331-6103 (main line)
1-888-331-6104 (fax line)
www.FlexNorthAmerica.com

THE FOREGOING OBLIGATION IS FLEX NORTH AMERICAS SOLE LIABILITY UNDER THIS OR ANY IMPLIED WARRANTY AND UNDER NO CIRCUMSTANCES SHALL FLEX NORTH AMERICA BE LIABLE FOR ANY INCIDENTAL OF CONSEQUENTIAL DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

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Greer, SC 29650 U.S.A.

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Subject to technical modifications.

Your FLEX distributor