

FLEX

**PRODUCT CATALOG
VOLUME 26**



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:



Chervon 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. 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 contact:

Chervon North America, Inc.

1203 East Warrenville

Naperville, IL 60563

1.866.624.3786

www.chervongroup.com

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

Extendible for ceilings up to 10.5 feet

Lighter than any other

Intelligent use of materials and weight-optimised design: at 8.9 lbs, the FLEX Giraffe® is almost a whole pound lighter than its predecessors. This enables better handling and effortless working on high ceilings as well as on walls.

As handy as it looks

The unique balance concept of the FLEX Giraffe® guarantees relaxed, balanced working. Thanks to its optimum center of gravity and simple operation, sanding is noticeably more comfortable. The D-shaped handle, slim tube with recessed grip, and optimised joint also contribute to the tool's exemplary ergonomics. What's more: the FLEX Giraffe® is practically vibration-free.



Light, robust, innovative: the transport case for the FLEX Giraffe®

- Optimum protection thanks to rip-resistant textile material and foam-moulded parts
- Comfortable to carry thanks to a generous carrying handle
- Ample storage space for accessories

Sanding discs, sanding pads and abrasives.

With a wide range of sanding discs, sanding pads and abrasives, you can adapt the FLEX Giraffe® to suit every application.



Ergonomic main guiding tube

Comfortable handling due to oval, slim guiding tube with recessed grip optionally available with toolfree attachable extension for working heights up to approx. 10.5'.



Full wave electronics

Fully adjustable speed when sanding. The full wave electronic holds the chosen speed even under load. Furthermore: Overload protection via current regulation.



Extension (sold separately)

Due to the tool-less attachable extension, the FLEX Giraffe® is sanding up to heights of 10.5' completely comfortable and safe. The extension tube can also be used on the FLEX Okapi®.



Spade handle

Facilitates flexible and comfortable operation. The spade handle protects the tube against bending when put to the floor.



On/off switch

Accelerator switch for slow and controlled start as well as lock for endurance operation.



Option to Purchase GE 5 + SH
(Giraffe + Hose)
423335

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



GE 5 + TB + SH as as option to purchase
(Giraffe + Hose + Bag)
427632



GE 5 R
Giraffe Cutaway
419532

GE 5
419524

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	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	12	10				
8-10	16	14	12	10					
10-12	16	14	10						
12-15	12	12	10						
15-20	10	10	10						

The FLEX Giraffe® GE 5:

TECHNICAL DATA

Sanding head diameter max.	8.9"
Idle speed	1,100 – 1,650 min ⁻¹
Power consumption	4.2 Amps
Tool holder	Velcro-backed sanding disc
Insertable	extension, 19.7"
Angle of inclination on head	100°
Adjustable	speed regulation, 6 settings
Length (90° disc)	60"
Weight	8.9 lbs
Power cord	16'

All Giraffe SKUs
come with one
backing pad and
sandpaper pad



Additional handle
408972



12' Anti-Static Hose
412309



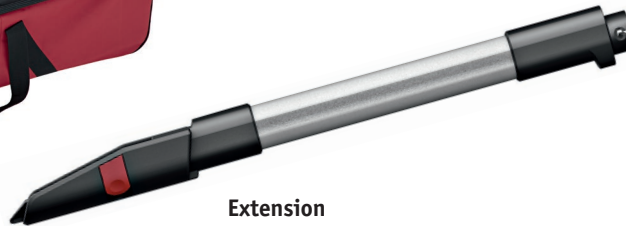
Bag Inserts
408735 and 408743



Vacuum Hose Adapter
406716



Transport Case
408867



Extension
409294



Clip Adapter
408360

ACCESSORIES FOR THE HANDY-GIRAFFE® WALL AND CEILING SANDER

Velcro Backing Pads



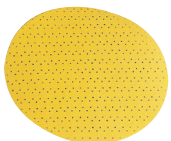
Description	QP	Part number
Velcro Backing Pad, Hard, Round 8.85"	1	412899
Velcro Backing Pad, Super Soft, Round 8.85"	1	260232
Velcro Adapter Pad with Clamping Dish and Screw, Super Soft, Round 8.85"	1	399418

Accessories



Description	QP	Part number
12' Anti-Static Hose	1	412309

Velcro Abrasive Paper (Perforated)



Description	QP	Part number
P 40 Grit, Sanding Paper, Round 8.85"	25	280739
P 60 Grit, Sanding Paper, Round 8.85"	25	260233
P 80 Grit, Sanding Paper, Round 8.85"	25	260234
P 100 Grit, Sanding Paper, Round 8.85"	25	260235
P 120 Grit, Sanding Paper, Round 8.85"	25	282405
P 150 Grit, Sanding Paper, Round 8.85"	25	311995
P 180 Grit, Sanding Paper, Round 8.85"	25	311987
P 220 Grit, Sanding Paper, Round 8.85"	25	260236

Sanding Heads/Backing Pads



Description	QP	Part number
80 Grit Velcro Sanding Grid, Round 8.85"	25	260237
100 Grit Velcro Sanding Grid, Round 8.85"	25	260230
80 Grit Velcro Sanding Grid, Round 8.85"	25	446173
100 Grit Velcro Sanding Grid, Round 8.85"	25	446181

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. They experts know that good work also requires good tools.

For over 100 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.

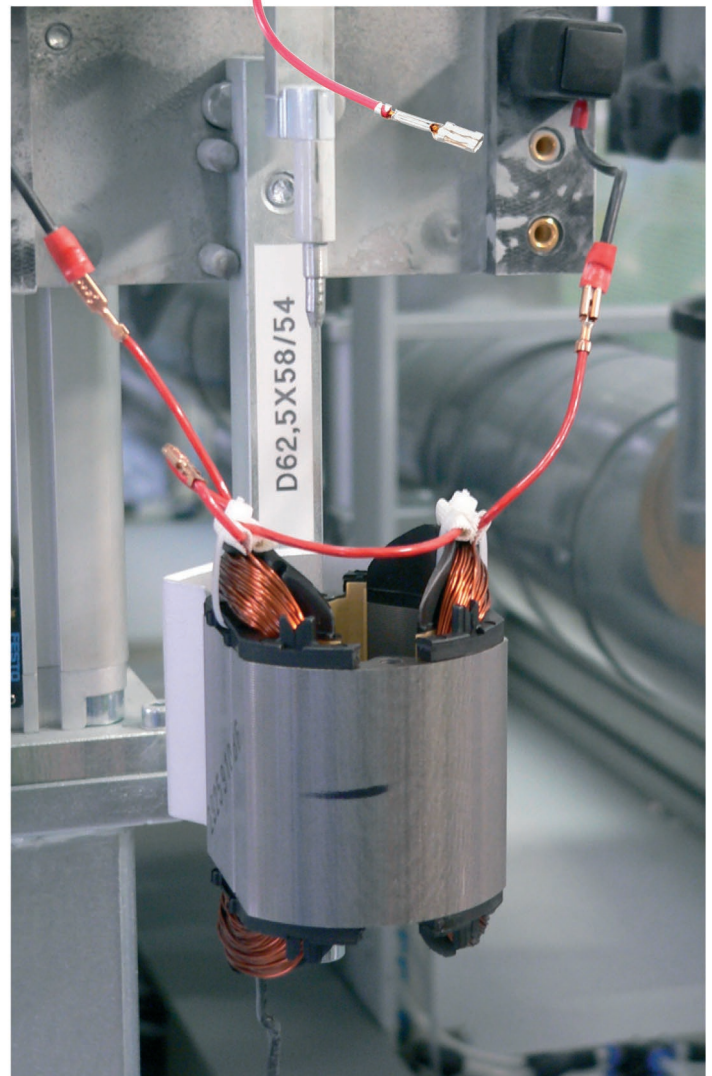
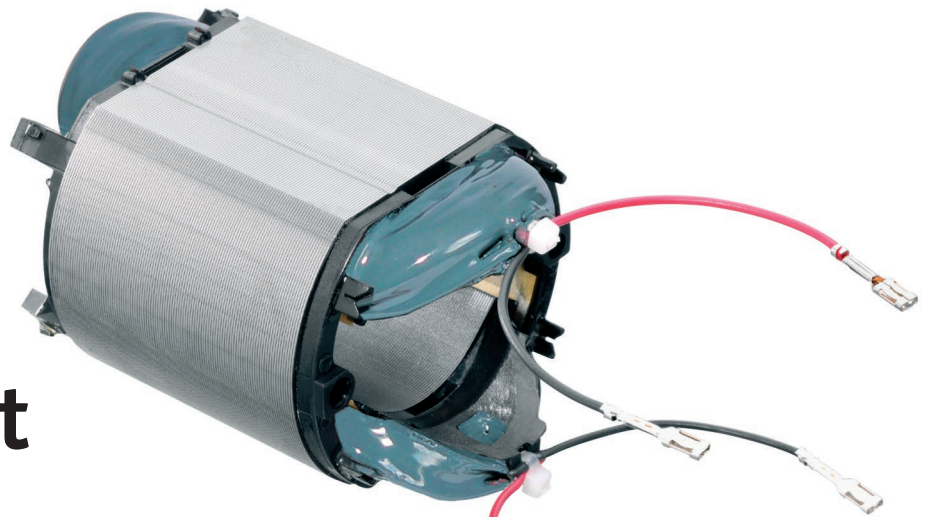
This hydroplaning results in a smooth surface treatment and extends the life usage of the diamond abrasives that are used with the grinders / polishers. All FLEX WET grinders and polishers are equipped with a ground fault circuit interrupter (GFCI) to ensure safe operation in wet environments.

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.



Wet Grinders - Polishers for Natural Stone and Concrete

FLEX

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 1503A	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



Wet Grinders - Polishers for Natural Stone and Concrete

FLEX

LE 12-3 100 WET

469300



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.

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

469327

Single Speed 5" Wet Polisher

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

LW 1503 A

469297



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

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

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.

Wet Grinders - Polishers for Natural Stone and Concrete

FLEX

CS 40 WET - Stone Cutter

429392



5" Masonry Wet Saw

The Flex CS 40 WET - Stone Cutter saw is made for use in the stone, tile and glass Industries. The powerful 12 amp motor makes it possible for the saw to cut through any tough material. The wet tile cutter is also equipped with a high quality water-feed system that will eliminate the harmful dust particles which are common in dry cutting applications. Includes a side handle for more stability and the CS 40 has the **ability to accept a curved cutting blade** thus making curve cutting operations safer and easier.

SPECIFICATIONS	CS 40 WET
Motor	12 Amp
Max. disc diameter	5"
No Load Speed	12,000 RPM
Depth of cut at 90°	1-5/8"
Bevel cut	0-45
Depth of cut At 45°	1"
Weight	9 lbs



Diamond blades are to be purchased separately.

What Do Professionals Use for Grinding?

FLEX

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.

SLENDER REARSPECIAL 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.

FLEXGRIP – THE MULTI-HANDLE



With built-in holding wrench for exchanging the discs without additional tools.

FIGHT VIBRATION – FLEX SOFTVIB-HANDLE



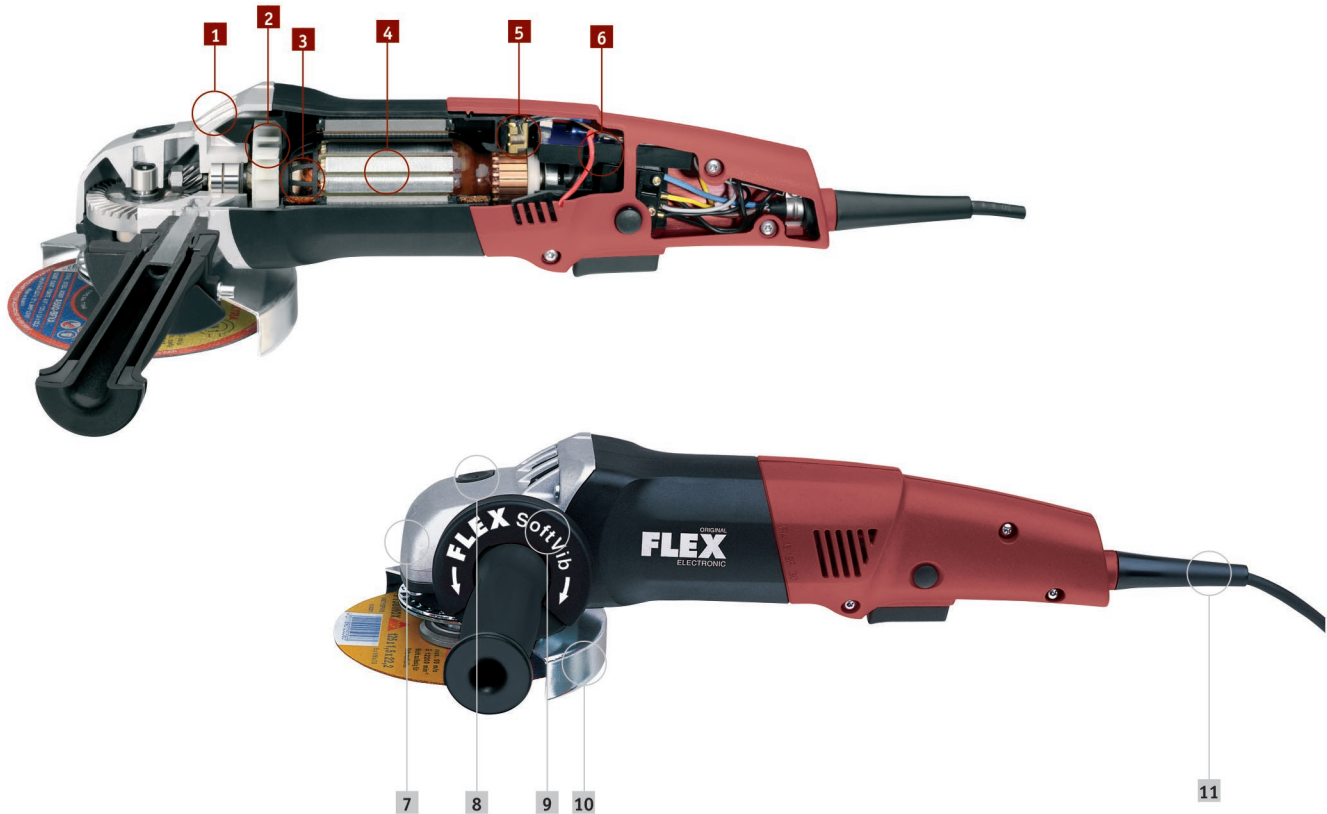
The vibration damping construction of the elastic body of the SoftVib-Handle reduces vibration levels when compared to standard handle by up to 60%. The hand and arm joints of the user are subjected to less stress and fatigue.

PATENTED SAFETY DISC GUARD



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

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.
- 11 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, 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-slender rear special grip*

L7-12 115

462187



6A 4 1/2" Angle Grinder

The new L7-12 115 features a Long-Life Motor with highly improved carbon brush lifetime along with high dust protection due to ironclad winding and encapsulated electronics. It is extremely lightweight & easy to use due to the skinny grip 6.9" circumference. It also features a unique tool free dust guard adjustment with clamping lever. This grinder features best in class power and runs 42% cooler than its closest competitor.

SPECIFICATIONS	L7-12 115
Power output	6 A
No load speed	12.000 rpm
Max. disc size	4-1/2"
Weight	3.3 lbs

L8-11 125

461989



7.5A 5" Angle Grinder

The latest compact grinder from FLEX features a highly efficient and resilient motor for more power output along with extensive dust protection to extend its useful life. The new narrow and ergonomic shape is extremely light, handy and comes with a side grip. Changing blades is easy with the spindle lock, and the safety guard features tool-free adjustment.

SPECIFICATIONS	L8-11 125
Power output	7.5 A
No load speed	11.500 rpm
Max. disc size	5"
Weight	4.1 lbs

L10-11 125

461997



9A 5" Angle Grinder

The new L 10-11 125 angle grinder adds a high-quality and well-equipped angle grinder to the FLEX portfolio. Optimised for use in refurbishment, renovation, modernisation work as well as metal working, this angle grinder is a premium grade product. The tool's newly developed long-life motor improves the service life of the brushes, which perform up to 40 percent better in the test than comparable tools from other manufacturers. It also has numerous safety features.

SPECIFICATIONS	L10-11 125
Power output	9 A
No load speed	11.500 rpm
Max. disc size	5"
Weight	4.6 lbs

L21-8 180

462039



15A 7" Angle Grinder

The L21-8 180 is a true workhorse. Featuring a powerful 15A motor, FLEX SoftVib Vibration reduction and a robust design makes this the go to option for large jobs. The tool's newly developed long-life motor improves the service life of the brushes, which perform up to 40 percent better in the test than comparable tools from other manufacturers. It also has numerous safety features.

SPECIFICATIONS	L21-8 180
Power output	15 A
No load speed	8.300 rpm
Max. disc size	7"
Weight	11.2 lbs

L26-6 230

462047



15A 9" Angle Grinder

The FLEX L26-6 is not for the faint of heart. It has a powerful 15A motor with T-Rex power. Combine this abundance power with the FLEX SoftVib system and the grinders ergonomic shape and this tool is ready for anything you could throw at it. The tool's newly developed long-life motor improves the service life of the brushes, which perform up to 40 percent better in the test than comparable tools from other manufacturers. It also has numerous safety features.

SPECIFICATIONS	L26-6 230
Power output	15 A
No load speed	6.500 rpm
Max. disc size	9"
Weight	11.9 lbs

L15-10 150

462020



13A 6" Angle Grinder

The L15-10 150 is designed for the professionals needs. Its safety features include a soft start system, reload protection and restart protection. In addition, its tool free adjustable guard makes it easy to adapt for whatever the job requires. The tool's newly developed long-life motor improves the service life of the brushes, which perform up to 40 percent better in the test than comparable tools from other manufacturers. It also has numerous safety features.

SPECIFICATIONS	L15-10 150
Power output	13 A
No load speed	10.000 rpm
Max. disc size	6"
Weight	7.9 lbs

L14-11 125

462004



12A 5" Angle Grinder

The L14-11 125 is designed for the professionals needs. Its safety features include a soft start system, reload protection and restart protection. In addition, its tool free adjustable guard makes it easy to adapt for whatever the job requires. The tool's newly developed long-life motor improves the service life of the brushes, which perform up to 40 percent better in the test than comparable tools from other manufacturers. It also has numerous safety features.

SPECIFICATIONS	L14-11 125
Power output	12 A
No load speed	11.500 rpm
Max. disc size	5"
Weight	5.1 lbs

LE14-11 125

462012



12A 5" Angle Grinder

The LE14-11 125 is designed for the professionals needs. It is the variable speed version of the L 14-11 125 and can be adjusted for a no load speed of between 2800 and 11500 rpm. Its safety features include a soft start system, reload protection and restart protection. In addition, its tool free adjustable guard makes it easy to adapt for whatever the job requires. The tool's newly developed long-life motor improves the service life of the brushes, which perform up to 40 percent better in the test than comparable tools from other manufacturers. It also has numerous safety features.

SPECIFICATIONS	LE14-11 125
Power output	12 A
No load speed	2.800 - 11.500 rpm
Max. disc size	5"
Weight	5.1 lbs

Accessories

Fits L8-11 125, L10-11 125, L14-11 125, LE14-11 125

469254



5" Disc guard with removable edge segment

Extraction hood kit for working with cutting discs of 5" angle grinders. Enables the operator to work very close to edges at maximum extraction power.

445479



5" Dust extraction attachment set

Extraction hood kit for working with cutting discs for 5" angle grinders. Consisting of extractor and aluminium cover. Can be fitted to the existing grinder guard without using any tools.

LBR 1506 VRA - The Specialist for Larger Pipe Diameters



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

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.

BSE 14-3-SET

492663



Trinoflex and Boa Pipe Sander Set

For optimum finishing of various materials, for burnishing, texturing, polishing, brushing, smoothing, de-rusting and deburring steel and stainless steel surfaces.

Microprocessor control: speed selection, tachogenerator constant speed control, soft start, restart protection after power failure, overload protection and temperature monitoring. Unique tool attachment with quick-action coupling for tool-free changing of the system attachments for burnishing and pipe belt sanding. Variably adjustable burnishing attachment, allows working close up to the edge, also suitable for narrow rollers, incl. edge guide. Tool-free grinding tool change via patented quick-change system. Completely cast electronic components prevents damage due to metal dust. The 3-fold winding protection reduces motor wear, increases service life.

Conversion Chart

inch to mm	To Convert to Millimeters (mm)	To Convert to Inches
1 inch = 25.4 mm	Multiply inches	Multiply millimeters
1mm = 3/64 inch	x 25.4	x 0.03937 or divide by 25.4

ADVANTAGES AT A GLANCE

- Sanding belt dimension: 760 x 40 mm
- High-quality, spring-mounted sanding arm: light alloy with 2 deflection rollers.
- For optimum wrap-round on pipes, up to max. 270°
- Sanding belt replacement: quick and tool-free
- Spindle lock
- Adjustable guard: for sanding tools up to Ø 125 mm

SPECIFICATIONS	BBE 14-3 SET
Power input	1400W
Power output	880W
Max. tool size-Ø	4.7 Inch
Max. tool width	3.9 Inch
Tool holder	Quick coupling (Quick change)
Non load speed	1.000 – 3.500 /min.
Cable length	13 ft.
Weight	7.9 lbs
Length / Width	13.1 x 7.4 inch
Height	8.2 inch
BBE 14-3 110	Molde Number 471.097

STANDARD EQUIPMENT

1 sanding attachment, pipe belt BR 125	433.470
1 sanding attachment for burnishing BS 100	433.462
1 rubber air roller	433.896
1 air pump	256.284
1 sanding-polishing belt S 600	326.917
1 superfinishing band S 1500	326.933
1 sanding belt MESHFLEX A 240	1 piece of 326.879
1 sanding belt MESHFLEX A 400	1 piece of 326.852
5 sanding belt CORUFLEX P 80	5 piece of 326.739
5 sanding belt CORUFLEX P 120	5 piece of 326.755
5 sanding belt CORUFLEX P 240	5 piece of 326.914
1 carrying case L-BOXX 238	414.093
1 case insert	433.918

VCE 33 L AC + Hose HEPA

444251



VCE 44 L AC + Hose HEPA

460060



9 Gallon HEPA Vacuum

The powerful VCE 33 L AC HEPA vacuum cleaner features a high-performance turbine that ensures high suction capacity. It is also capable of wet vacuuming and has an electronic liquid level control. This vacuum has an 9 gallon capacity as well as a 4.5 gallon liquid capacity. Its HEPA grade filter makes this vacuum suitable to almost any conditions you could throw at it. Combine this Vacuum with our 5" adjustable dust shroud and any 5" grinder to be OSHA compliant.

SPECIFICATIONS	VCE L AC+HOSE HEPA
Power output	11.2 A
Tank capacity	8.7 gallon
Liquid capacity	4.5 gallon
Air Flow Rate	148 CFM

12 Gallon HEPA Vacuum

The powerful VCE 44 L AC HEPA vacuum cleaner features a high-performance turbine that ensures high suction capacity. It is also capable of wet vacuuming and has an electronic liquid level control. This vacuum features a bigger tank capacity than the VCE 33, with a maximum capacity of 12 gallons and a maximum liquid capacity of 7 gallons. Its HEPA grade filter makes this vacuum suitable to almost any conditions you could throw at it. Combine this Vacuum with our 5" adjustable dust shroud and any 5" grinder to be OSHA compliant.

SPECIFICATIONS	VCE 44 L AC+HOSE HEPA
Power output	11.2 A
Tank capacity	11.6 gallon
Liquid capacity	7 gallon
Air Flow Rate	148 CFM

FEVCEPESL/M/H

445118

PES Class M flat folded filter

QP: 1



Teflon-coated/nanocoating class M filter. Long service life thanks to high-quality PES filter fleece. The dirt-repelling surface improves the cleaning of the filter material. The filter pores are reliably kept free of dirt. Easy to clean, long service life, also suitable for wet work.

FS-LLVCE33/44

445517

Resealable, reusable filter bag

QP: 1



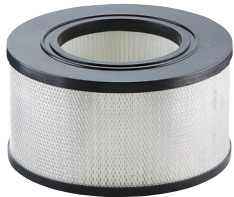
Resealable, reusable filter bag made of 3-layer polyester fleece for sucking up coarse dirt.

FEVCE44H/HEPA

445126

HEPA Filter

QP: 1



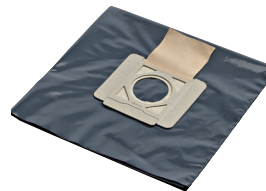
Teflon(nano)-coated Class M filter be used for L&H vacuum cleaner. Long service life thanks to high-quality PES filter fleece. Dirt-repelling surface improves cleaning of filter material.

ES-PPVCEL/MVE5

445061

Disposal filter bag

QP: 1



Sealable waste bag made of PP, ideal for coarse dirt. For VCE 33/44.

VFEVCEL/M/H

445134

PES flat folded filter

QP: 1



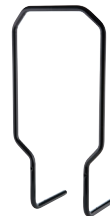
Teflon-coated/nanocoating filter, can also be used for L and H vacuum cleaner. Long service life thanks to high-quality PES filter fleece PES motor cooling air prefilter, cleans the cooling air in particle-loaded area in order to protect the motor. For all classes L/M/H of the 33 and 44 series.

VCE-TH

445150

Handle for vacuum cleaner

QP: 1



Easy to mount, for comfortable handling of the vacuum cleaners even when the container is full.

FS-FVCEL/MVE5

445088

Fleece filter bags

QP: 1



Class M fleece filter sack. Improved filling compared with paper filter sacks, durable and moisture-resistant. Due to the larger dimensions, the filter sack can be used for both containers 33 and 44 suitable.

VCE-AP

445169

L-BOXX holder

QP: 1



Support for holding the giraffes GE 5/ GE 5 R can be easily clipped on to the head of the vacuum cleaner.

VCE-GEFix

445185

Giraffe holder

QP: 1

Support for holding the giraffes GE 5/ GE 5 R can be easily clipped on to the head of the vacuum cleaner.



SAD-C 27 AS

461628

Antistatic vacuum adapter for FLEX clip-system (27 mm)

QP: 1

For suction hoses using the FLEX clip-system for machine connection 1.06". Antistatic design.



SH-C32x4mAS/NL

406708

Antistatic hose with air control

QP: 1

Internal 1.25" with universal device connection, snap connection and universal adapter (445.029), antistatic. Includes variable adjustment of suction power for reduction of vacuum.



SAD-C 32 AS

445142

Antistatic vacuum adapter for FLEX clip-system (32 mm)

QP: 1

For suction hoses using the FLEX clip-system. Antistatic design.



SH-C32x4m

445037

Suction hose with air control

QP: 1

Internal 1.25" with universal device connection, snap connection, includes variable adjustment of suction power for reduction of vacuum.



SAD-C 36 AS

461636

Antistatic vacuum adapter for FLEX clip-system (36 mm)

QP: 1

For suction hoses using the FLEX clip-system for machine connection 1.41". Antistatic design.



SAD-CD25-32AS

445029

Antistatic vacuum adapter (universal system)

QP: 1

Universal adapter antistatic, for universal connection of machines with 1" to 1-1/4" extraction connection with 1-1/4" suction hose, for adapter with snap connection, can be trimmed to 3 different diameters.



CLE 32 AS

445053

Vacuum Cleaning Set

QP: 1

Consisting of an antistatic elbow (445.010) for connecting the suction hose and suction pipe, extension pipe INOX (445.207), clip floor nozzle (445.509), round brush (385.646), cushion nozzle (385.549) and joint nozzle (385.530).



Master Parts Distributor For FLEX North America

Powerhouse Distributing

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Toll Free: 888-809-4749 • Fax: 888-809-4748

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