

50 YEARS

NATIONAL FLOORING EQUIPMENT

Made in America Since 1968



Surface Preparation Equipment // 2018



SURFACE PREPARATION SOLUTIONS

- 4 The National Difference**
- 8 Walk-Behind Floor Removal Systems**
Our walk-behind scrapers exceed industry expectation and set unmatched standards for removal rates, durability, and safety.
- 14 Ride-On Floor Removal Systems**
Our ride-on scrapers are leaders in quality, technology, and innovation.
- 24 Floor Scraper Shanks and Blades**
National's patented ride-on and walk-behind scraper blades are available in a variety of sizes to suit any application.
- 28 Grinders and Polishing Systems**
Featuring National's patented magnetic tooling system, our grinders and polishers are the perfect solution for removing coatings, surface preparation, and polishing.
- 38 Burnishers**
These high-speed burnishers produce a high-gloss finish through high-velocity continual rotations, reduced torque, and engineered pad pressure.
- 41 Handheld Grinders**
National's handheld grinders offer the perfect solution for dustless surface preparation, edging, and hard-to-reach places.
- 45 Shot Blasters**
Shot blasters strip, clean, and profile in a single time-saving step that leaves a surface profile ready for any coating or overlayment.
- 56 Scarifier**
Designed for heavy-duty bulk concrete removal, coating removal, overlayment and thin-set removal.
- 59 Dust Collectors**
The industry's leading performance dust collectors, complete with HEPA filters, safely contain the maximum amount of even the finest airborne particles. They efficiently collect powders, concrete dust, wood dust, and many other work-site by-products.
- 65 Carpet Pullers**
Heavy-duty carpet removal machines work on any type of direct-glued-down carpet, over any type of floor surface.
- 68 Safety**
Accessories to help out on the jobsite



Dear Friends and Partners,

Welcome to the 2018 National Flooring Equipment catalog and solutions offering. This year we have exciting new offerings, refined professional systems and incredible return on investment opportunities!

This year we have many reasons to be grateful. Firstly, we work with some of the world's finest distributors, rental groups, and contractors. You are the reason we get up early every day and hustle.

Secondly, in 2018, we are celebrating our 50th Anniversary of providing surface preparation solutions.

As you read through the 2018 catalog and product offering, please take note of our current line of exceptional surface preparation solutions, as well as some truly exciting new equipment offerings. With over fifty United States and International patents, National boasts the most extensive product offering currently available in the surface preparation industry. We have also included our Mission, Vision & Values statement, so you may get to know us a little better.

In 1968, National began humbly as a supplier of carpet and flooring tools to craftsmen and trade professionals. Since then, we have continued to innovate, create, and build the industry's best equipment.

However, we haven't stopped there.

We take great pride in supporting everything that leaves our facility with unparalleled customer service. You are the most important part of our business, and we have 50 years of solutions behind us. We're never going to stop working for your business.

If you ever have a question, please contact our award-winning Customer Service Team, or consult with your Territory Manager. We are dedicated to meeting your needs with the most experienced professional guidance and dedication available. And now we can support you all over the globe!

At National, we will never forget where we came from...and we'll always keep building and working hard to hold your trust. We promise to listen to your concerns, adapt with your business needs, and earn your loyalty.

As we celebrate 50 years in 2018, we look towards the next 50 years! 50 more years of building quality equipment, revolutionizing new ideas, and supporting the world's best customers!

And we'll be here, working for you, for the next 50 years to come.

Warmly,

Derek Olson
President
National Flooring Equipment

For fast service on National Flooring Equipment products, contact:

Toll-Free: 800.245.0267 | **Local:** 763.315.5300 | **Email:** sales@nationalequipment.com | **Online Help:** training.nationalequipment.com

MISSION

National is a leader in surface preparation solutions and service across the world. We are a customer-centric organization dedicated to answering questions and building a partnership between all levels of our customers. This is equally matched with the best equipment and engineering support in the industry. Our loyalty is to our partners and we stand behind our equipment.

VISION

National's vision is to engineer and design surface preparation equipment of the highest quality, distinction, and value that delivers what our customers need, answering their questions and driving solutions in the marketplace. In doing this, we can continually define the industry standards for product quality, customer service, partner relationships, and technology innovation.

Loyalty

Our willing, practical, and faithful devotion to our mission and vision. Our loyalty is a by-product of our worldview; we are fearlessly constant and steadfast in regards to our partners, equipment, and service.

Innovation

Our creation, or creative process, resulting from study and experimentation. We leverage our innovation as a competitive advantage by creating and manufacturing products that provide our customers with solutions.

Pride

The delight that comes from our actions, assets, people, and relationships. We take pride in our products and in the way we conduct business with our co-workers and partners.

Passion

We work with intensity, a driving conviction to provide the best equipment with the highest quality and thorough training. We are passionate about our equipment, our people, and our customers.

VALUES

Safety

We pledge to provide a safe working environment, a protected partnership model, and the proper training and education regarding the safety of our equipment.

Creativity

The ability to produce through imaginative skill. We use our creativity to produce results—from developing products to improving processes, to delivering our message to both customers and consumers.

Accountability

This is our obligation and willingness to accept responsibility for our equipment, people, and message. We mean what we say, we do what we say, and we take responsibility for our actions.

Integrity

Doing the right thing when no one is watching. This veracity runs rampant throughout National. We adhere to a moral code, more than being a "good" person; it's our way of life. Honesty remains paramount in our organization and always will.



A WORLDWIDE PRESENCE



- London, England
- Dublin, Ireland
- Tours, France
- Basel, Switzerland
- Cologne, Germany
- Hong Kong
- Tokyo, Japan
- Perth, Australia
- Brisbane, Australia

- Sydney, Australia
- Netherlands
- Vietnam
- Cambodia
- Shanghai, China
- Singapore
- Puerto Rico

- Minneapolis, Minnesota, USA
- Denver, Colorado, USA
- Los Angeles, California, USA
- New Jersey, USA
- Oklahoma, USA
- Charlotte, North Carolina, USA
- South Bend, Indiana, USA

A black and white photograph of a floor scraper machine in operation. The machine is positioned on the right side of the frame, with a large pile of debris on the left. A warning sign is visible on the machine, reading "CAUTION 12 OR HEAVY CORN 50 FT. LENGTH". The text "FLOOR REMOVAL SYSTEMS" is overlaid in large, bold, white letters across the center of the image.

FLOOR REMOVAL SYSTEMS

National Flooring Equipment has been engineering and manufacturing the industry's most productive and reliable floor scrapers for over 50 years. Our scrapers exceed industry expectation and set unmatched standards for removal rates, durability, and safety.

For the most updated information, please refer to our website, nationalequipment.com

POWER HAMMER TROLLEY



Features

Give your hands and back a break and let the Power Hammer Trolley make you faster, more efficient, and productive. This machine works as a floor stripper and scraper on concrete and wood surfaces. Great for removal of epoxy, ceramic tile, vinyl, VCT, cork, adhesives, mastic, and more. The Power Hammer Trolley is perfect for rock breaking and block demolition. Hammer sold separately.

- A.** Specially designed shock absorbing grips for increased operator comfort
- B.** Safety emergency switch
- C.** Easy-to-reach knob for quick adjustments of the operator's handle
- D.** Adjustable knob creates 5 different angles to change the height of the tool without impacting the height of the handle
- E.** Large, solid tires wear well, perform consistently over rough surfaces, and won't lose pressure
- F.** Rugged steel frame is durable and built to last
- G.** Power Hammer Trolley is an ideal fit with the Bosch 11335K or Hilti TE1000 and Hilti TE1500

Power Hammer Trolley Specifications

Width	19"	48 cm
Height	30.5"	77.5 cm
Length	24"	61 cm
Weight	90 lb	45 kg

**All measurements reflect the folded dimensions of the Power Hammer Trolley. Power hammer not included.*

550 ADJUSTABLE HANDLE WALK-BEHIND SCRAPER

550-EUR, 550-UK, 550-AUS, 550-HGK



Features

The 550 is ideal for residential work and tight, confined spaces on commercial jobs. The accelerated RPM orbital cutting action delivers an efficient and operator-friendly machine. With decimal ratings under industry and safety standards, this machine is a must-have.

- A.** Adjustable height and removable handle; easily condenses for transport in any size vehicle
- B.** Angle-adjustment wheel changes pitch of the blade in seconds
- C.** 1HP motor with industrial-grade shaft has powerful torque for removing tough applications
- D.** Removable front weight adjusts down pressure and facilitates easy loading/unloading
- E.** Kickplate/foot bar provides additional leverage to glide through material and reduce back stress
- F.** Electric control box is welded solid to the machine frame to prevent damage
- G.** Orbital cutting action rotates the blade to cut through a range of materials over various substrates; extends life cycle of machine while reducing maintenance costs

Removes the following materials:

- Linoleum
- VCT
- Ceramic tile
- Adhesives
- Rubber-backed carpet
- Glued-down carpet
- Coatings
- Plastic floor coverings
- Foam
- Plastic droppings
- Parquet flooring
- Epoxy
- Chewing gum
- Indoor/outdoor felt
- Ice
- Accumulated grime
- Paint from floors
- Rubber and vinyl tile
- Roofing

Included with the 550

Start-up blade package, conventional scraper blades, and National's patented carbide angle shank provide removal versatility that far exceeds anything else on the market.

- 147: 4" x 6" blade
- 7050-202: 3" x 10" blade
- 6285: 3" x 6" blade
- 6280-401B: 7/32 t-handle wrench
- 551: Angle Shank Holder and 552: Angle Shank
- Instruction manual
- One-year manufacturer's warranty on parts and labor

Recommended Accessories



6280-505

- Swivel head rotates to allow continuous contact with the floor

6280-500

- Swivel head allows for continuous contact with the floor and is specifically for razor blades



550 Specifications

Width	17.75"	45 cm
Max. Height	42.5"	108 cm
Height (without handle)	21"	53 cm
Max. Length	32.5"	83 cm
Weight	123 lb	55.8 kg
Removable Weight	44 lb	20 kg
Weight (machine only)	79 lb	35.8 kg
Speed	Manual	
RPM	1725	
Voltage	115/230	
Frequency	60/50 Hz	
HP	1	.746 kW
Amps (full load)	14/7	

5280 SELF-PROPELLED WALK-BEHIND SCRAPER

5280-AUS, 5280-EUR, 5280-UK



5280 Specifications

Width	17"	43 cm
Height	39"	99 cm
Length	27"	69 cm
Weight	263 lb	119 kg
Removable Weight	37 lb front, 49 lb saddle	16.8 kg front, 22.2 kg saddle
Weight (machine only)	177 lb	80.3 kg
Speed	12-50 ft/min	3.7-15.2 m/min
RPM	1725/1425	
Voltage	115/230	
Frequency	60/50 Hz	
HP	1	.746 kW
Amps (full load)	12/6.7	

Meets the requirements of the Machine Directive 2006/42/EC and EMC Directive 2004/108/EC. It is CE marked.

Features

This hydraulically driven, forward self-propelled scraper removes the worst of today's soft goods, such as glued-down floors, gummy commercial carpet, VCT, sheet vinyl, rubber tile, linoleum, indoor and outdoor sport surfaces, roofing material, and more. The ergonomic features of this machine reduce operator fatigue while optimizing time and labor savings. The compact design makes it ideal for use in tight spaces.

- A.** Forward self-propelled control
- B.** Variable speed, 12 to 50 feet per minute
- C.** Tie-down bail
- D.** Self-contained, limited-maintenance hydraulic fluid
- E.** Removable 49-pound saddle weight helps increase or decrease down pressure and traction
- F.** Oscillating action rotates the cutting blade to cut through a range of materials over various substrates; extends life cycle of machine while reducing maintenance costs

Included with the 5280

- 148: 5" x 6" standard blade
- 6258: 3" x 12" self-scoring blade
- 6286: 3" x 10" heavy-duty blade
- 7050-200: 3" x 6" premium blade
- 7050-202: 3" x 10" premium blade
- 5280-402-SV: Saddle weight, 49 pounds
- 5280-137W: 6 mm t-handle wrench
- Instruction manual
- One-year manufacturer's warranty on parts and labor

Recommended Accessories



6280-505

- Swivel head rotates to allow continuous contact with the floor

6280-500

- Swivel head allows for continuous contact with the floor and is specifically for razor blades

6280 Commander®

HYDRAULIC WALK-BEHIND SCRAPER

6280-AUS, 6280-EUR, 6280-JPN, 6280-UK



6280 Specifications

Width	17.75"	45 cm
Max. Height	46"	117 cm
Height (handle folded)	30"	76 cm
Max. Length	51"	130 cm
Length (handle folded)	29"	74 cm
Weight	425 lb	192.8 kg
Removable Weight	47 lb front, 43 lb side	21.3 kg front, 19.5 kg side
Weight (machine only)	335 lb	152 kg
Speed	10-45 ft/min	3.0-13.7 m/min
RPM	3450/2875	
Voltage	115/230	
Frequency	60/50 Hz	
HP	1.5	1.12 kW
Amps (full load)	13/7.5	

Meets the requirements of the Machine Directive 2006/42/EC and EMC Directive 2004/108/EC. It is CE marked.

Features

The Commander removes the worst of today's soft goods, such as glued-down floors, gummy commercial carpet, VCT, sheet vinyl, rubber tile, linoleum, indoor and outdoor sport surfaces, roofing material, and more. Its compact design makes it ideal for use in confined spaces, while the side slide weights add extra head pressure when forward and improved traction when moved over the back wheels.

- A.** Ergonomically designed, adjustable-position hand grips; hydraulic forward drive; self-propelled reverse drive; variable speed, 10 to 45 feet per minute; manual drive system for throttle/speed control and smooth transitions
- B.** Six handle positions for work under counters and other confined areas; collapses to save space during transport and storage
- C.** Self-contained, limited-maintenance hydraulic fluid
- D.** Tie-down bail
- E.** Secure-mount side slide weights adjust scraper-head pressure; slide the weights back to increase weight over travel wheels
- F.** New rounded front-weight design better deflects loose material away from machine during use
- G.** Adjustable, self-cleaning, industrial-grade, siped wheels for improved traction over smooth or slippery surfaces; clip-pin removal allows for easy nonpowered maneuvering
- H.** Motor equipped with thermal-overload-protection circuit breaker that protects against strain or electrical overload
- I.** Oscillating action rotates the cutting blade to cut through a range of materials over various substrates; extends life cycle of machine while reducing maintenance costs
- J.** Transport-wheel rack hanger on back of 6280
- K.** Adjustable wheel scrapers prevent material buildup during operation
- L.** Clip in pins allow for easy non-powered maneuvering

Included with the 6280

- 6280-299: Transport wheels
- 148: 5" x 6" standard blade
- 6258: 3" x 12" self-scoring blade
- 6286: 3" x 10" heavy-duty blade
- 7050-200: 3" x 6" premium blade
- 7050-202: 3" x 10" premium blade
- 6280-401B: 7/32 t-handle wrench
- Instruction manual
- One-year manufacturer's warranty on parts and labor

Recommended Accessories



6280-505

- Swivel head rotates to allow continuous contact with the floor

6280-500

- Swivel head allows for continuous contact with the floor and is specifically for razor blades

6280HD Gladiator®

HYDRAULIC WALK-BEHIND SCRAPER

6280HD-EUR, 6280HD-JPN, 6280HD-UK



6280HD Specifications

Width	17.75"	45 cm
Max. Height	46.75"	119 cm
Height (handle folded)	29.75"	76 cm
Max. Length	49.5"	126 cm
Length (handle folded)	29.5"	75 cm
Weight	490 lb	222.3 kg
Removable Weight	78 lb front, 43 lb side	35.4 kg front, 19.5 kg side
Weight (machine only)	369 lb	167.4 kg
Speed	up to 30 ft/min	9.1 m/min
RPM	1725/1438	
Voltage	115/230	
Frequency	60/50 Hz	
HP	1.5	1.12 kW
Amps (full load)	14.7/10.5	

Meets the requirements of the Machine Directive 2006/42/EC and EMC Directive 2004/108/EC. It is CE marked.

Features

The Gladiator removes the worst of today's hard and soft goods, such as ceramic tile, wood floors, thin-set, sheet vinyl, linoleum, and more. Its compact design makes it ideal for use in confined spaces, while the side slide weights add extra head pressure when forward and improved traction when moved over the back wheels.

- A.** Ergonomically designed, adjustable-position hand grips; hydraulic forward drive; self-propelled reverse drive; variable speed, 10 to 30 feet per minute; optional manual drive with removal of drive pins; system for throttle/speed control and smooth transitions
- B.** Six handle positions for work under racks and in other confined areas; collapses to save space during transport and storage
- C.** Self-contained, limited-maintenance hydraulic fluid
- D.** Tie-down bail
- E.** Secure-mount side slide weights adjust scraper-head pressure; side slide weights add extra head pressure when forward and improved traction when moved over the back wheels
- F.** New rounded front-weight design better deflects loose material away from machine during use
- G.** Adjustable, self-cleaning, industrial-grade, siped wheels for improved traction over smooth or slippery surfaces; clip-pin removal allows for easy nonpowered maneuvering
- H.** Motor equipped with thermal-overload-protection circuit breaker that protects against strain or electrical overload
- I.** Oscillating action rotates the cutting blade to cut through a range of materials over various substrates; extends life cycle of machine while reducing maintenance costs
- J.** New design incorporates nine isolators for the toughest jobs

Included with the 6280HD

- 6258: 3" x 12" self-scoring blade
- 6276-BU: 3" x 10" heavy-duty, self-scoring blade
- 6280HD-250: Transport wheels
- 7050-200: 3" x 6" premium blade
- 7050-202: 3" x 10" premium blade
- 7050-203: 3" x 12" premium blade
- 7050-204: 3" x 14" premium blade
- 6280-401B: 7/32 t-handle wrench
- 402276: 9-degree angle attachment
- 7280-2C: 30-degree angle attachment
- 7280-6: 6-inch cutting head
- 7280-12: 12-inch cutting head
- 7281-1: 1-inch carbide shank
- 7280-4: Retainer cap assembly
- Instruction manual
- One-year manufacturer's warranty on parts and labor

2900 HIGH-SPEED BATTERY RIDE-ON SCRAPER



Features

Designed specifically for high-speed soft goods removal, this machine is a durable, emission-free, budget-conscious workhorse. The 2900 will remove VCT and other soft and hard goods quickly and efficiently for time-sensitive applications.

- A. Automatic kill switch is triggered when the operator seat is vacant
- B. Hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- C. Ergonomic design includes movable foot pegs, taller handles, and an adjustable seat that allows for optimal operator comfort and the best possible line of sight
- D. Quick-change swivel head
- E. Optional dual-lift, hydraulic slide plate adjusts blade pitch and angle for continuous contact with the floor
- F. Larger/deepened forklift pockets
- G. Nonmarking tires
- H. E-stop knob for safety
- I. AGM (Absorbed Glass Mat) batteries provide 100 percent power, speed, and torque for 90 percent of the batteries' run cycle
- J. Removable hood system for easy-access maintenance
- K. Compact design fits through standard door frames and elevator doors
- L. New front debris deflector protects machine from loose material
- M. Front caster wheels allow increased maneuverability in tight spaces

2900 Specifications

Width*	24.5"	62 cm
Height	46.5"	126 cm
Length*	55"	140 cm
Weight	1,730 lb	784.7 kg
Removable Weight	185 lb front, 75 lb rear	83.9 kg front, 34 kg rear
Weight (machine only)	1,470 lb	666.8 kg
Speed	up to 160 ft/min	up to 48.8 m/min
Voltage	115	
Frequency	60 Hz	

*Measurements are without tooling attached.



Included with the 2900

- 7050-6: 6-inch cutting head
- 7050-12: 12-inch cutting head
- 6277: 12-inch .094 bevel up self-scoring blade
- 6284: 12-inch .094 heavy-duty blade
- 6285: 6-inch .094 heavy-duty blade
- 6286: 10-inch .094 heavy-duty blade
- 5110-100: Transport wheels
- 74854: Weight, 37 pounds (5)
- 402929: Wrench
- Instruction manual
- One-year manufacturer's warranty on parts and labor

5110 ELECTRIC RIDE-ON MACHINE

5110-EUR



Features

The 5110 is an electric ride-on floor scraper designed for continuous operation. With no belts or gears, this scraper boasts low maintenance costs while maximizing production, maneuverability, and ease of transport.

- A. Automatic kill switch is triggered when the operator seat is vacant
- B. Precise hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- C. Ergonomic design includes movable foot pegs and an adjustable seat that allows for optimal operator comfort and the best possible line of sight
- D. Quick-change swivel head
- E. Extra weight compartments
- F. Larger/deepened forklift pockets
- G. Nonmarking tires
- H. E-stop knob for safety
- I. New front debris deflector protects machine from loose material
- J. Front caster wheels allow increased maneuverability in tight spaces

Included with the 5110

- 7050-6: 6-inch cutting head
- 7050-12: 12-inch cutting head
- 6277: 12-inch .094 bevel up self-scoring blade
- 6284: 12-inch .094 heavy-duty blade
- 6285: 6-inch .094 heavy-duty blade
- 6286: 10-inch .094 heavy-duty blade
- 5110-404: Weight, 75 pounds (1) (rear)
- 5110-100: Transport wheels
- 74854: Weight, 37 pounds (10) (front)
- 7079-2: 2-inch angle shank with carbide tip
- 402929: Wrench
- Instruction manual
- One-year manufacturer's warranty on parts and labor

5110 Specifications

Width*	24.75"	63 cm
Height	46.75"	118 cm
Max. Height	56"	142 cm
Length*	57"	145 cm
Weight	1,415 lb	641.8 kg
Removable Weight	370 lb front, 75 lb rear	167.8 kg front, 34 kg rear
Weight (machine only)	970 lb	440 kg
Speed	up to 113 ft/min	up to 34.4 m/min
Voltage	115/230	
Frequency	60 Hz/ 50 Hz	
HP	3 [2x1.5]	2.24 [2x2.12] kW

*Measurements are without tooling attached.

THIS IS A SPECIAL ORDER MACHINE. Please contact your territory manager or our customer service department for more information and lead times.

5200QL

QUICK-LOAD CORDLESS RIDE-ON SCRAPER



5200QL Specifications		
Width*	24.75"	63 cm
Height	46.5"	119 cm
Length*	57"	145 cm
Weight	1,760 lb	798.3 kg
Removable Weight	370 lb front, 75 lb rear	167.8 kg front, 34 kg rear
Weight (machine only)	1,315 lb	596.5 kg
Speed	up to 120 ft/min	up to 36.6 m/min
Voltage	115	
Frequency	60 Hz	

*Measurements are without tooling attached.

Features

The 5200QL is designed for jobs that require continuous operation, and it offers the only slide-out replaceable battery in the industry with a rear-accessed battery pack that is easily installed, changed, and transported. With no belts or gears, this scraper boasts low maintenance costs while maximizing production. Great for commercial surface removal and preparation, it is quiet and compact enough for residential jobs.

- A. Automatic kill switch is triggered when the operator seat is vacant
- B. Control levers with forward, reverse, and automatic return to neutral
- C. Ergonomic design includes movable foot pegs and an adjustable seat that allows for optimal operator comfort and the best possible line of sight
- D. Quick-change swivel head
- E. Extra weight compartments
- F. Larger/deepened forklift pockets
- G. Nonmarking tires
- H. E-stop knob for safety
- I. Trailer hitch
- J. Flip-up back lid for quick and easy battery changing
- K. New front debris deflector protects machine from loose material
- L. Front caster wheels allow increased maneuverability in tight spaces

Included with the 5200QL

- 7050-6: 6-inch cutting head
- 7050-12: 12-inch cutting head
- 6277: 12-inch .094 bevel up self-scoring blade
- 6284: 12-inch .094 heavy-duty blade
- 6285: 6-inch .094 heavy-duty blade
- 6286: 10-inch .094 heavy-duty blade
- 5110-404: Weight, 75 pounds (1) (rear)
- 5110-100: Transport wheels
- 74854: Weight, 37 pounds (10) (front)
- 5200QL-500: Two transport carts - 5200QL only
- 5204: Battery power pack (one pack on the machine and one additional)
- 5212: 48-volt battery charger
- 7079-2: 2-inch angle shank with carbide tip
- 402929: Wrench
- Instruction manual
- One-year manufacturer's warranty on parts and labor

THIS IS A SPECIAL ORDER MACHINE. Please contact your territory manager or our customer service department for more information and lead times.

Additional carts, power packs and chargers are available for purchase if you require longer run times.

5625 PROPANE-POWERED RIDE-ON SCRAPER

5625-UK, 5625-EUR



Features

Different from scrapers that are powered using a hydrostat drive system, the 5625 offers the speed and power of a hydraulic drive. Consistent torque sets the operational standard for high removal rates, and each machine undergoes a rigorous quality assurance program including emissions certification.

- A. Automatic kill switch is triggered when the operator seat is vacant
- B. Precise hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- C. Ergonomic design includes movable foot pegs, taller handles, and an adjustable seat and armrests that allow for optimal operator comfort and the best possible line of sight
- D. Quick-change swivel head blade holder
- E. Optional dual-lift, hydraulic slide plate adjusts blade pitch and angle for continuous contact with the floor
- F. Larger/deepened forklift pockets
- G. Nonmarking tires
- H. E-stop knob for safety
- I. Liquid-cooled Kawasaki engine is re-engineered with National's exclusive catalytic design for the industry's lowest emissions
- J. Hinged hood system for easy-access maintenance
- K. Compact design fits through standard door frames and elevator doors
- L. Front debris deflector protects machine from loose material
- M. Improved exhaust system meets federal OSHA regulations
- N. Front caster wheels allow increased maneuverability in tight spaces
- O. **NEW** 12-volt LED light for increased visibility on the jobsite

5625 Specifications

Width*	26"	66 cm
Height	52.25"	133 cm
Length*	63"	160 cm
Weight**	1,822 lb	826.4 kg
Removable Weight	370 lb front, 75 lb rear	167.8 kg front, 34 kg rear
Weight (machine only)	1,377 lb	624.6 kg
Speed	up to 200 ft/min	up to 61 m/min
HP	25	18.6 kW

*Measurements are without tooling attached.

**Weight may vary depending on fill level and size of propane tank on machine.

Included with the 5625

- 7050-6: 6-inch cutting head
- 7050-12: 12-inch cutting head
- 6277: 12-inch .094 bevel up self-scoring blade
- 6284: 12-inch .094 heavy-duty blade
- 6285: 6-inch .094 heavy-duty blade
- 6286: 10-inch .094 heavy-duty blade
- 7079-2: 2-inch angle shank with carbide tip
- 5110-100: Transport wheels
- 74854: Weight, 37 pounds (10) (front)
- 5110-404: Weight, 75 pounds (1) (rear)
- 7050-P: Propane tanks (2)
- 75007: CO detector (2)
- 75008: Clip (2)
- 5700-88: Hour meter
- 75005: Fire extinguisher
- 402929: Wrench
- Instruction manual
- One-year manufacturer's warranty on parts and labor

5000-EUR

RIDE-ON FLOOR SCRAPER



Features

The 5000-EUR is a compact, ride-on floor scraper designed specifically for our international customers. Featuring the same technology as our patented line of scrapers, this machine is designed with a low-profile frame that increases ease of transport and maneuverability on the job.

- A. Adjustable arm rests and seat for a balanced, comfortable ride
- B. Front debris deflector protects the machine from loose material
- C. Dual-lift hydraulic slide plate adjusts blade pitch and angle for continuous contact with the floor
- D. Backup light for on-the-job safety
- E. Six AGM (Absorbed Glass Mat) 200-amp batteries
- F. Quick-change swivel head blade holder
- G. Precise hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- H. Compact design fits through door frames and elevator doors; removing the weights allows the 5000-EUR to meet the maximum standard elevator weight restrictions
- I. **NEW** 12-volt LED light for increased visibility on the jobsite
- J. IEC 320 - universal plug allows replacement charger cords to be supplied from any country

5000-EUR Specifications

Width*	24.5"	62 cm
Height*	48"	121.9 cm
Length*	63"	160 cm
Weight (machine only)	2,000 lb	907.2 kg
Speed	up to 160 ft/min	up to 48.8 m/min
Voltage	48	
Input voltage	230 V/50 Hz	

*Measurements are without tooling attached.

5700[®] ALL DAY BATTERY RIDE-ON MACHINE

5700-AUS, 5700-EUR, 5700-JPN



Features

Built to operate on almost any jobsite, the 5700 will power through an 8- to 12-hour day on a single charge. Its built-in 115-volt charging system can plug in to any outlet, and there are no harmful fumes or hazardous by-products. Remove the weights to meet elevator weight restrictions.

- A. Automatic kill switch is triggered when the operator seat is vacant
- B. Precise hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- C. Ergonomic design includes movable foot pegs, taller handles, and an adjustable seat that allows for optimal operator comfort and the best possible line of sight
- D. Quick-change swivel head blade holder
- E. Optional dual-lift, hydraulic slide plate adjusts blade pitch and angle for continuous contact with the floor
- F. Larger/deepened forklift pockets
- G. Nonmarking tires
- H. E-stop knob for safety
- I. Twelve AGM (Absorbed Glass Mat) 180-amp batteries provide 100 percent power, speed, and torque for 90 percent of the batteries' run cycle
- J. Hinged hood system for easy-access maintenance
- K. Compact design fits through standard door frames and elevators doors; removing the weights allows the 5700 to meet the maximum standard elevator weight restrictions
- L. Front debris deflector protects machine from loose material
- M. Front caster wheels allow increased maneuverability in tight spaces
- N. **NEW** 12-volt LED light for increased visibility on the jobsite

Included with the 5700 and 5700HS

- 7050-6: 6-inch cutting head
- 7050-12: 12-inch cutting head
- 6277: 12-inch .094 bevel up self-scoring blade
- 6284: 12-inch .094 heavy-duty blade
- 6285: 6-inch .094 heavy-duty blade
- 6286: 10-inch .094 heavy-duty blade
- 7079-2: 2-inch angle shank with carbide tip
- 5110-100: Transport wheels
- 74854: Weight, 37 pounds (5) (front)
- 402929: Wrench
- 7-foot, 12-gauge extension cord for charging the machine
- Instruction manual
- One-year manufacturer's warranty on parts and labor

5700 Specifications

Width*	24.5"	62 cm
Height	50.5"	128 cm
Length*	54"	149 cm
Weight	2,244 lb	1,017.9 kg
Removable Weight	185 lb front	83.9 kg front
Weight (machine only)	2,059 lb	933.9 kg
Speed	up to 120 ft/min 160 ft/min for HS	up to 36.6 m/min 48.8 m/min for HS
Voltage	115/230	
Frequency	60/50 Hz	

Meets the requirements of the Machine Directive 2006/42/EC and EMC Directive 2004/108/EC. It is CE marked.

*Measurements are without tooling attached.

5700HS: Designed to cover more space in less time; specifications made to order.

7700 ALL-DAY BATTERY RIDE-ON MACHINE

7700-AUS, 7700-EUR



7700 Specifications

Width*	30"	76 cm
Height	51"	130 cm
Length*	58.5"	161 cm
Weight	2,757 lb	1,250.6 kg
Removable Weight	185 lb front	83.9 kg front
Weight (machine only)	2,572 lb	1,167 kg
Speed	up to 200 ft/min	up to 61 m/min
Voltage	115/230	
Frequency	60 Hz/50 Hz	

Meets the requirements of the Machine Directive 2006/42/EC and EMC Directive 2004/108/EC. It is CE marked.

*Measurements are without tooling attached.

Features

Powered by 12 200-amp hour batteries that exceed the industry standard, this machine is everything you need it to be. Bigger, heavier, and faster than the 5700, it is designed to remove difficult material and built to operate on almost any jobsite.

- A. Automatic kill switch is triggered when the operator seat is vacant
- B. Precise hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- C. Ergonomic design includes movable foot pegs, taller handles, and an adjustable seat that allows for optimal operator comfort and the best possible line of sight
- D. Quick-change swivel head blade holder
- E. Dual-lift, hydraulic slide plate adjusts blade pitch and angle for continuous contact with the floor; standard on 7700
- F. Larger/deepened forklift pockets
- G. Nonmarking tires
- H. E-stop knob for safety
- I. AGM (Absorbed Glass Mat) batteries provide 100 percent power, speed, and torque for 90 percent of the batteries' run cycle
- J. Hinged hood system for easy-access maintenance
- K. Compact design fits through standard door frames and elevator doors
- L. Front debris deflector protects machine from loose material
- M. 7700 offers 30 percent more torque with improved heavy-duty 3000 PSI wheel motors
- N. Single charger featuring LVI 110-volt, lockout built-in
- O. Front caster wheels allow increased maneuverability in tight spaces
- P. **NEW** 12-volt LED light for increased visibility on the jobsite

Included with the 7700

- 7050-6: 6-inch cutting head
- 7050-12: 12-inch cutting head
- 6277: 12-inch .094 bevel up self-scoring blade
- 6284: 12-inch .094 heavy-duty blade
- 6285: 6-inch .094 heavy-duty blade
- 6286: 10-inch .094 heavy-duty blade
- 7079-2: 2-inch angle shank with carbide tip
- 5110-100: Transport wheels
- 74854: Weight, 37 pounds (5) (front)
- 402929: Wrench
- 7-foot, 12-gauge extension cord for charging the machine
- Instruction manual
- One-year manufacturer's warranty on parts and labor

8000 PROPANE-POWERED RIDE-ON SCRAPER

8000-AUS, 8000-EUR



8000 Specifications

Width*	30"	76 cm
Height	61"	155 cm
Length*	63"	160 cm
Weight**	2,842 lb	1,310 kg
Removable Weight	958 lb front, 75 lb rear	455 kg front, 34 kg rear
Weight (machine only)	1,809 lb	820.6 kg
Speed	up to 200 ft/min	up to 61 m/min
HP	25	18.6 kW

*Measurements are without tooling attached.

**Weight may vary depending on fill level and size of propane tank on machine.

Features

This 2,842-pound scraper rivals other manufacturers' heavier machines. Different from scrapers that are powered using a hydrostat drive system, the 8000 offers the speed and power of propane while also combining patented carbide angle-shank technology with the added efficiency of dual-lift hydraulic slide plates. Consistent torque sets the operational standard for high removal rates, and each machine undergoes a rigorous quality assurance program including emissions certification.

- A. Automatic kill switch is triggered when the operator seat is vacant
- B. Precise hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- C. Ergonomic design includes movable foot pegs, taller handles, and an adjustable seat that allows for optimal operator comfort and the best possible line of sight
- D. Quick-change swivel head blade holder
- E. Dual-lift, hydraulic slide plate adjusts blade pitch and angle for continuous contact with the floor; standard on every 8000; this also adds an additional 200 pounds of down pressure on the cutting head
- F. Larger/deepened forklift pockets
- G. 21-inch nonmarking tires
- H. E-stop knob for safety
- I. Liquid-cooled Kawasaki engine is re-engineered with National's exclusive catalytic design for the industry's lowest emissions
- J. Hinged hood system for easy-access maintenance
- K. Compact design fits through standard door frames and elevator doors
- L. Front debris deflector protects machine from loose material
- M. Hydraulic lockout break system automatically engages when the machine is in the off position
- N. Front caster wheels allow increased maneuverability in tight spaces position
- O. Improved exhaust system meets federal OSHA regulations
- P. **NEW** 12-volt LED light for increased visibility on the jobsite

Included with the 8000

- 7050-6: 6-inch cutting head
- 7050-12: 12-inch cutting head
- 6277: 12-inch .094 bevel up self-scoring blade
- 6284: 12-inch .094 heavy-duty blade
- 6285: 6-inch .094 heavy-duty blade
- 6286: 10-inch .094 heavy-duty blade
- 7079-2: 2-inch angle shank with carbide tip
- 5110-100: Transport wheels
- 400197: Weight, 28 pounds (9) [front]
- 402102: Weight, 84 pounds (4) [front]
- 5110-404: Weight, 75 pounds (1) [rear]
- 402139: Propane tanks (2)
- 75007: CO detector (2)
- 75008: Clip (2)
- 5700-88: Hour meter
- 75005: Fire extinguisher
- 402929: Wrench
- 20-pound tank; 33-pound (forklift size) propane tank conversion brackets available on special order
- Instruction manual
- One-year manufacturer's warranty on parts and labor

RIDE-ON MACHINE ACCESSORIES

SWIVEL CUTTING HEAD ASSEMBLIES

Tough swivel heads rotate to ensure continuous blade contact with the floor. Flip it over to use the second sharp edge without having to remove it from the machine. Available in a full range of sizes, to fit any job.

Fits the following products: **5110, 5200QL, 5625, 5000, 5700®, 2900, 7700, and 8000**

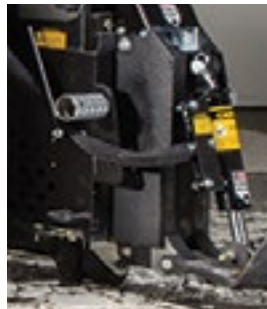


- 7050-8RBH: 8-inch razor blade head
- 7050-12RBH: 12-inch razor blade head
- 7050-14RBH: 14-inch razor blade head
- 7050-6: 6-inch cutting head
- 7050-8: 8-inch cutting head
- 7050-10: 10-inch cutting head
- 7050-12: 12-inch cutting head
- 7050-14: 14-inch cutting head
- 7050-27: 27-inch cutting head
- 402239: 3/8 x 1-11/16 replacement retaining pin secures cutting head assemblies

HYDRAULIC SLIDE PLATE

Adjust the height of the slide plate using the hydraulic hand control for precise angling. Comes standard on **7700** and **8000** ride-on scrapers.

- No lifting, dismounting, or manual labor required to adjust plate height
- Adds 200 pounds of weight to the front of the machine, where it is most effective
- Available as an option on new ride-on machines or as a kit for existing ride-on machines



6701: Fits 5700 series

6702: Fits all other ride-on machines other than the 5700 series

7050-15 CUTTING HEAD EXTENSION

- Reaches under tight areas
- 17-inch length
- Cutting head sold separately

7074 TILE BOX



- For fast cleanup, debris collection, and removal, this box is made of high-abrasion alloy for long-lasting durability
- For use with 7050-27
- Size: 5 inches deep, 27 inches wide, 6 inches tall
- Cutting head sold separately



5110-100 TRANSPORT WHEELS

Quick and easy to attach, this assembly creates stability and safe transportation over any surface. Fits all National-brand ride-on machines.



70639 WHEEL COVERS

- Protective cover slips easily on and off wheels
- Sold individually
- Fits all National-brand ride-on machines

5700-88 HOUR METER

- Monitors the hours of usage
- Fits all National-brand ride-on machines



5700-88



400321 ARMREST

Fits all current National-brand ride-on machines

75007 LAPEL CARBON MONOXIDE MONITOR

Ships with the **5625** and **8000** machines. For jobsites where carbon monoxide could be present, this badge can detect as little as 100 ppm carbon monoxide gas at approximate relative humidity range of 33 to 50 percent. If the humidity is very high, it can detect concentrations as low as 20 ppm. The presence of CO changes the sensor from red to gray/black as the concentration levels increase. Once the detector is exposed to fresh air, it will return back to red. Once opened, the badge lasts approximately 90 days. Adhesion strip on the back, or optional lapel clip mounts almost anywhere.



75007

75008

75008 LAPEL CARBON MONOXIDE CLIP



BATTERY POWER PACK

Designed for high vibration and shock load, this battery pack makes the **5200QL** a true "cordless" machine. The removable batteries can be changed so there is no need for downtime while recharging.

- Unique design eliminates acid spilling
- Designed for high vibration
- Can be charged from 115 volt
- 5204 Power Pack—100-amp hour

This battery pack runs to a deeper discharge than typical 75-amp hour battery packs and has the ability to take a rapid charge without affecting the cycle life.

BATTERY CHARGER

Exclusively designed to work with the **5200QL**. This high-performance battery charger is for use in demanding applications where optimal performance and service life are critical. It provides a complete charge in a short amount of time and works specifically with the 5204 power pack. Its 48-volt charger runs on 115-volt power.



- 5212: 48 V, 60 Hz, 115 V
- 5212-W: 48 V, 50-60 Hz, 230 V

402192 WOOD-SCORING SCARIFIER DRUM

This wood scoring drum attaches to National's **Spartan 220** scarifier. It is an 8" drum, with three scoring blades. Using this on your scarifier eliminates the need to get down on your hands and knees to use a circular saw to score the wood.



402239 RETAINING PIN

- Replacement retaining pin secures cutting head assemblies and all ride-on shanks

73507-1

- 7-foot, 12-gauge extension cord for charging

WALK-BEHIND MACHINE ACCESSORIES



6280-505 SWIVEL HEAD ATTACHMENT

Optional swivel head attachment maintains 100 percent contact between the blade and the surface, maximizing production rates. Rotate the head 180 degrees to self-sharpen the blade during use.

- Holds blades of .094 thickness
- Works on thin, soft coatings, paint, hard-to-remove gummy or dry adhesives
- Ultimate adhesive removal
- Designed to fit on the **550**, **5280**, and **6280-COM** walk-behind machines

6280-500 SWIVEL HEAD ATTACHMENT FOR RAZOR BLADES

Optional attachment keeps your blade in contact with the surface of the floor.

- Designed to fit on the **550** and **5280** walk-behind machines

6251 LOADING RAMP

- 15" x 6'9"

402311 REPLACEMENT WHEEL PIN

- 5/16 x 2-1/16 replacement wheel pin for the **6280** and **6280HD**

7280-12RBH

- Razor blade head for **6280HD-COM**

7280-2B ANGLE ATTACHMENT

- 22-degree angle attachment for soft goods removal with the **6280HD**

7280-2C ANGLE ATTACHMENT

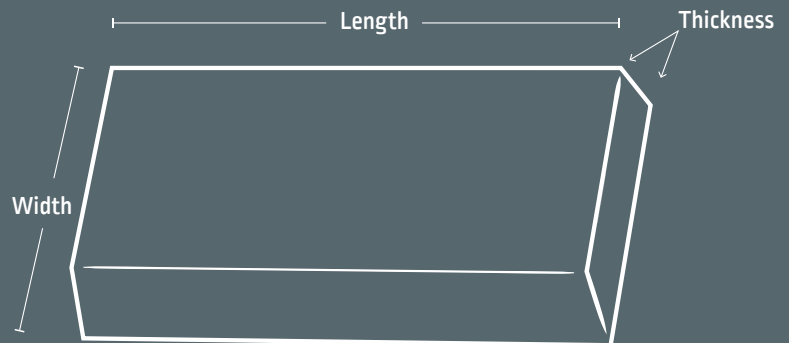
- 30-degree angle attachment for hard goods removal with the **6280HD**

7280-4 RETAINER CAP ASSEMBLY

- Replacement assembly for **6280HD** shanks

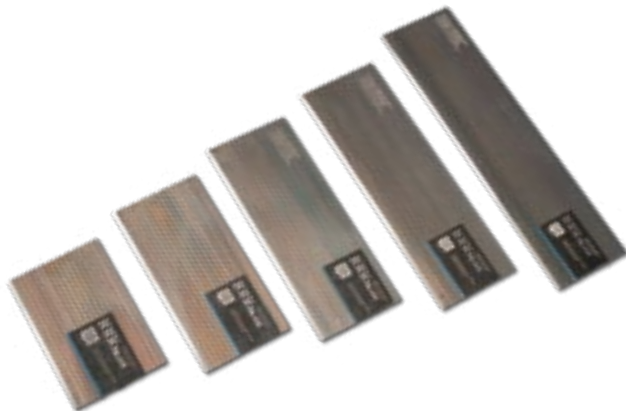
FLOOR SCRAPER SHANKS AND BLADES

National's patented ride-on and walk-behind scraper blades are available in a variety of sizes to suit any application.



1086 Super Heavy-Duty Floor-Scraper Blades

The extra heavy-duty Japanese-style steel of this blade is the ideal choice for challenging jobs. It offers depth and durability while applying pliable pressure across the surface area.



Part #	Dimensions [W x L x Thickness]	550	5280	6280	6280HD	Ride-On
401985	3" x 6" x .094"	X	X	X	X	X
401981	3" x 8" x .094"	X	X	X	X	X
401986	3" x 10" x .094"	X	X	X	X	X
401984	3" x 12" x .094"	X	X	X	X	X
401982	3" x 14" x .094"	X	X	X	X	X
401983	3" x 27" x .094"					X
401974	4" x 6" x .094"	X	X	X	X	X
401975	4" x 8" x .094"	X	X	X	X	X
401979	4" x 10" x .094"	X	X	X	X	X
401976	4" x 12" x .094"	X	X	X	X	X
401977	4" x 15" x .094"	X	X	X	X	X
401978	4" x 24" x .094"					X
401980	4" x 27" x .094"					X

Straight Shanks



These are the ultimate blades for the toughest removals. They are designed to remove ceramic, wood, and thick epoxy.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
7070-2	4" x 2" x .500"					X
7070-3	4" x 3" x .500"					X
7070-4	4" x 4" x .500"					X
7070-6	4" x 6" x .500"					X

Angle Shanks



These blades are designed and mounted at an angle to achieve the optimum shear point! They are designed to remove ceramic, wood, and thick epoxy.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
7071-2	4" x 2" x .500"					X
7071-3	4" x 3" x .500"					X
7071-4	4" x 4" x .500"					X
7071-6	4" x 6" x .500"					X

Straight Shank with Carbide Tip



These shanks work with a similar application variety as the 7070 blades. These carbide-tipped shanks hold a sharp edge for longer durability. These blades perform when all others fail. Perfect for elastomeric coatings.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
7072-2	4" x 2" x .500"					X
7072-3	4" x 3" x .500"					X
7072-4	4" x 4" x .500"					X
7072-6	4" x 6" x .500"					X

Angle Shank with Carbide Tip



These shanks are designed for ceramic removal and thin-set re-scraping. The half inch of extra carbide allows for maximum re-sharpening. These tools can handle workloads up to 3,500 pounds! The 552 angle shank with carbide tip is designed for light-duty commercial- and residential-grade ceramic tile and hard good removal. A 551 shank holder is required to attach this blade to the 550 walk-behind scraper.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
552	4" x 2" x .312"	X				
7281-12	4" x 2" x .312"				X	
7281-1	6" x 1" x .500"				X	
7281-2	6" x 2" x .500"				X	
7281-4	6" x 4" x .500"				X	
7281-6	6" x 6" x .500"				X	
7079-2	6" x 2" x .500"					X
7079-4	6" x 4" x .500"					X
7079-6	6" x 6" x .500"					X

Wood Floor Shank

For hardwood floor removal; fits the 6280HD Gladiator only.



Part #
7082-8

Ultra HD Angle Shank with Removable Carbide Tip



Designed for removing hard goods with your ride-on scraper, this shank features removable and sharpenable carbide tips. For maximum efficiency, the operator can re-sharpen tips as needed on the job.

Part #	Includes
403112	2" Ultra HD shank, 3 carbide tips, set screws and tool
402394	3 carbide tips, set screws and tool
402601	Sharpening holder; designed for efficiency, this will allow you to safely hold the carbide tip while it is sharpened

Tapered Wood Floor Shank



The longer taper works great on tough wood floors (glued and nailed). The long length allows the blade to easily slide under tough materials.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
7075-8	8" x 2" x .300"					X
7075-11	11" x 2" x .300"					X
7077-8	8" x 3.5" x .300"					X
7077-11	11" x 3.5" x .300"					X

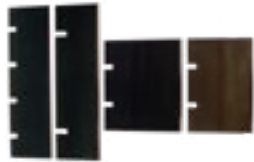
Standard Blades



These heavy-duty blades are designed to remove soft goods, carpet, and vinyl flooring. Their .062" thickness offers flexibility to maximize the shear-point angle.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
147	4" x 6" x .062"	X	X	X	X	X
148	5" x 6" x .062"	X	X	X	X	X
135	5" x 16" x .062"	X	X	X	X	X
136	5" x 8" x .062"		X	X	X	X

Blades with Slots



These slotted heavy-duty blades are designed to remove soft goods, carpet, and vinyl flooring. Their .062" thickness offers flexibility to maximize the shear-point angle.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
130-S	3" x 10" x .062"	X	X	X	X	
131-S	3" x 16" x .062"	X	X	X	X	

Double-Edge Blades



Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
130-D	3" x 10" x .062"	X	X	X	X	
147-D	4" x 6" x .062"	X	X	X	X	
148-D	5" x 6" x .062"	X	X	X	X	

Heavy-Duty Blades



These heavy-duty blades are flexible and deliver jobsite versatility. Made with National's proven blade-hardening process, they will stay sharper longer with better overall performance than any other blade on the market. They work on VCT, VAT, wood, tile, rubber, epoxy, elastomeric coatings, scraping thin-set, and glued ceramic.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
6281	3" x 8" x .094"	X	X	X	X	X
6282	3" x 14" x .094"	X	X	X	X	X
6283	3" x 27" x .094"					X
6284	3" x 12" x .094"	X	X	X	X	X
6285	3" x 6" x .094"	X	X	X	X	X
6286	3" x 10" x .094"	X	X	X	X	X
6240	4" x 6" x .094"	X	X	X	X	X
6241	4" x 8" x .094"	X	X	X	X	X
6242	4" x 12" x .094"	X	X	X	X	X
6243	4" x 15" x .094"	X	X	X	X	X
6244	4" x 24" x .094"					X
6245	4" x 10" x .094"	X	X	X	X	X
6246	4" x 27" x .094"					X

Extra Heavy-Duty Blades



These extremely hard, high-abrasion alloy blades are designed for tough tear-up situations. They work on VCT, VAT, wood, tile, lighter ceramic, re-scraping thin-set, all carpets, cork, elastomeric coatings, and re-scraping rubber and urethane coatings. They hold all edges extremely well.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
6270	1.5" x 3" x .250"					X
6271	3" x 6" x .250"					X
6273	3" x 11" x .250"					X
6290	3" x 6" x .187"	X	X	X	X	X
6291	3" x 8" x .187"	X	X	X	X	X
6292	3" x 12" x .187"	X	X	X	X	X
6293	3" x 14" x .187"					X
6294	3" x 27" x .187"					X



1-Inch Blades

These short-profile blades provide a rigid blade application when needed. Their thickness greatly reduces breakage. They are designed for VCT and adhesive re-scrape. They also work well for parking deck coatings, epoxies, and elastomeric coatings. This blade requires a razor blade cutting head.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
7091	1" x 4" x .094"					X
7092	1" x 8" x .094"					X
7093	1" x 10" x .094"					X
7094	1" x 12" x .094"					X



Premium High-Tempered Blades

These ultra-high-quality spring-steel blades are extra hard, ensuring long blade life between sharpenings. They work on all glued-down carpets, VCT, VAT, rubber tile, cork, and re-scraping adhesive and elastomeric coatings. Great for floor accumulations.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
7050-200	3" x 6" x .062"	X	X	X	X	X
7050-201	3" x 8" x .062"	X	X	X	X	X
7050-202	3" x 10" x .062"	X	X	X	X	X
7050-203	3" x 12" x .062"	X	X	X	X	X
7050-204	3" x 14" x .062"	X	X	X	X	X
7050-205	3" x 27" x .062"					X



Razor/Scraper Blades

These razor-sharp blades are designed for superhard thin epoxies, thin mil coatings (like urethane paint), poured elastomeric coatings up to 60 mil, and hard to remove adhesives. Sold in packs of 50. This blade requires a razor blade cutting head.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
363-2	.875" x 8" x .045"	X	X	X	X	X
368-8	.875" x 8" x .045"	X	X	X		X
368-12	.875" x 12" x .045"	X	X	X	X	X
368-15	.875" x 15" x .045"	X	X	X		X



Self-Scoring Blades

These angled self-scoring wing-tipped blades are tough and long-lasting. Made using National's proven blade-hardening process, they perform up to 10 times longer than the competition. They work on attached cushion, unitary or secondary backing, vinyl back, soft to medium PVC, linoleum, carpet tiles, soft cork, enhancer, and unibond hot melts.

Part #	Dimensions (W x L x Thickness)	Angle	550	5280	6280	6280HD	Ride-On
6255-BU	4" x 6" x .062"	90°	X	X	X	X	
6257-BU	3" x 9" x .062"	90°		X		X	X
6258	3" x 12" x .062"	90°		X	X	X	X
6259-BU	3" x 14" x .062"	90°		X	X	X	X
6260-BD	3" x 6" x .094"	90°				X	X
6276-BU	3" x 10" x .094"	45°				X	X
6277	3" x 12" x .094"	45°	X	X	X	X	X
6278-BU	3" x 14" x .094"	45°	X	X	X	X	X
6279-BU	3" x 27" x .094"	45°					X
6247	4" x 10" x .094"	90°	X	X		X	X
6249	4" x 12" x .094"	90°	X	X	X	X	X
6248	4" x 24" x .094"	90°					X
6256-BU*	4" x 6" x .062" W/ 4" BU	90°	X	X		X	X
6261-BU*	3" x 12" x .062" W/ 4" BU	90°					X
6262-BU**	4" x 6" x .094"	90°	X	X		X	X
6264-BU**	3" x 12" x .094"	90°	X	X	X	X	X



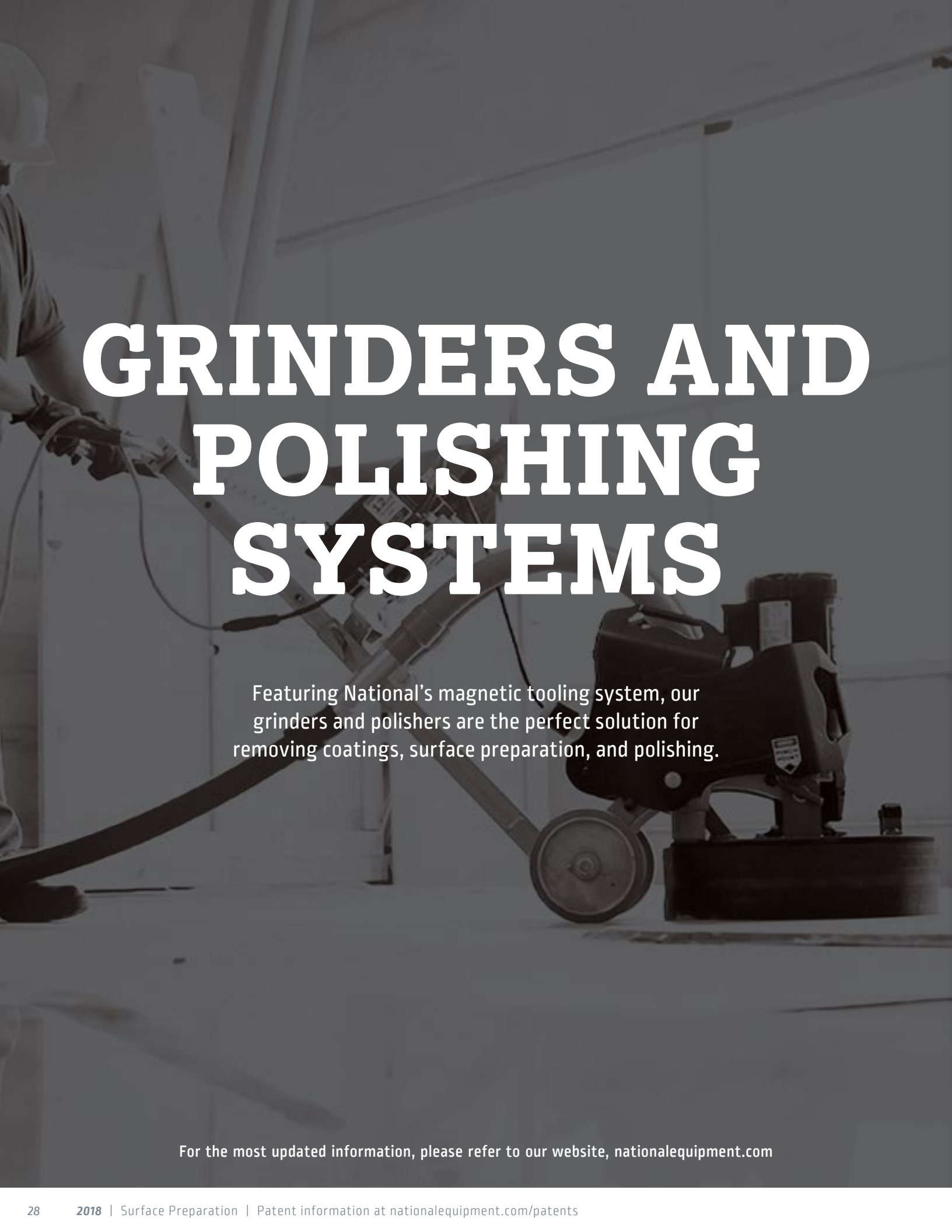
Increased Angle Blades

These blades are mainly used for VCT, but they can be used on most other applications. They supply a greater angle when needed. They contribute to keeping the machine steady and reduce jumping.

Part #	Dimensions (W x L x Thickness)	550	5280	6280	6280HD	Ride-On
7081	3" x 10" x .062"	X	X	X	X	
7083	3" x 8" x .062"	X	X	X	X	

* Designed for double-stick carpet and soft goods removal applications

**NEW, thicker self-scoring blades



GRINDERS AND POLISHING SYSTEMS

Featuring National's magnetic tooling system, our grinders and polishers are the perfect solution for removing coatings, surface preparation, and polishing.

For the most updated information, please refer to our website, nationalequipment.com

HELIX[®]

PLANETARY GRINDER

HELIX-EUR, HELIX-UK



HELIX[®] Specifications

Width	17.5"	44.5 cm
Disk Size	16"	41 cm
Max. Height	47.6"	120.9 cm
Min. Height	29.4"	74.4 cm
Max. Length	47"	119.4 cm
Min. Length	27.9"	70.9 cm
Weight	206 lb	93 kg
Grinding Pressure	128 lb	58 kg
Drum RPM	High speed: 291/163 (for 60 Hz) Low speed: 243/136 (for 50 Hz)	
Motor RPM	High speed: 3200/1800 (for 60 Hz) Low speed: 2667/1500 (for 50 Hz)	
Motor Phase	Single	
HP	1.5	
Amps	120 V/60 Hz/ 12 amps	230 V/5 Hz/ 6.3 amps
Amps	15 or 20 – controller can switch between both settings	

Features

Designed for small jobs and tough-to-reach spaces, this 16-inch planetary grinder creates the perfect profile for new coatings. This easy-to-operate machine features an edge grinder, dual-speed operation, an adjustable handle, and a floating dust skirt for maximum efficiency.

- A.** Fully adjustable handle accommodates a range of operating positions
- B.** Quick-release levers allow the machine to be separated into two pieces for easy transport
- C.** Capable of edge grinding on the left or right side of the machine by rotating the side of the dust skirt up, allowing the operator to grind within a half inch of the wall
- D.** Removable weights give the operator freedom to increase or decrease head pressure when grinding
- E.** 16-inch grinding plate incorporates a floating tooling assembly that allows the cutting head to follow the contours of the floor; the tooling assembly rotates 180 degrees for easy tooling changes
- F.** LED light illuminates the surface directly behind the machine
- G.** Dual-speed motor increases the versatility of this machine; operating at high or low speed

Included with the HELIX[®]

- 402761 Magnetic tooling holder
- 9245 Velcro adapter (3 each)
- 403162 Floating dust skirt
- 402757 Tooling assembly
- 403223 Operating manual
- 403315 Service manual



Recommended Accessories

We recommend pairing your Helix planetary grinder with the DL2000 dust collector and DLS2000 pre-separator.

8274-4

PLANETARY FLOOR PREPARATION SYSTEM



Magnetic tooling easily snaps into place

8274-4 Specifications

Width	20"	51 cm
Disk Size	18.5"	47 cm
Max. Height	52"	132 cm
Min. Height	27.5"	70 cm
Max. Length	75"	191 cm
Min. Length	38.5"	98 cm
Weight	388 lb	176 kg
Drum RPM	133.8	
Motor RPM	1740	
Motor Phase	Three*	
HP	3	2.24 kW
Amps	15 or 20 – controller can switch between both settings	
Voltage	115	
Frequency	60 Hz	

*Conversion from single-phase to three-phase power

Features

The 8274-4 is the only grinder on the market offering 3 HP at 115 volts while operating at a 230-volt level. With variable speed and a soft start to control its amperage draw, the 8274-4 adjusts to the needs of small or large jobs. The versatility of the 8274-4 is derived from its quick-change magnetic tooling to remove thin-set, coatings, adhesives, and high spots, prepare concrete and overlays for coatings, and sand and refinish wood flooring. Polishes floors to a high-gloss shine.

- A. Three-part adjustable angle handle
- B. Choose from 15A or 20A circuit-breaker settings with a convenient switch on the side of the controller; the 15A selection limits motor draw to 15 amps; the 20A selection pulls up to 20 amps
- C. Forward and reverse directional controls increase tooling productivity with cleaner consumables and more even wear
- D. Variable speed control
- E. Dual rear vacuum ports
- F. Flip-style weights for added or decreased head pressure
- G. Removable handle and weights for easy transport
- H. 18-inch grinding path; uses National's patented self-tensioning, single-belt design to prepare concrete surfaces to a 3000-resin shine
- I. Adjustable velcro dust guard lets the machine operate within an eighth of an inch of walls and promotes nearly dustless operation
- J. Grinder head rotates 90 degrees for easy tooling change access; Morflex couplers, polishing undulating concrete surfaces or creating a uniform scratch pattern for coating applications; operates a complete dry grind and polish system to eliminate messy and hazardous slurry
- K. Modular design allows you to pull the machine into three different parts for transportation

Included with the 8274-4

- 401882: Morflex couplers
- 9241 Quick-change magnetic-mount assembly: Three assemblies and three 73250 tooling holder mounting screens are required
- 9245 Velcro adapter: Mounts onto the 9241 quick-change magnetic assembly for using polishing pads and brazed disks. Three adapters are required.
- 6280-401B: 7/32 t-handle wrench
- Instruction manual

Recommended Accessories



We recommend pairing your 8274-4 planetary grinder with the DL2000 dust collector and DLS2000 pre-separator.

PLANETARY GRINDER TOOLING ACCESSORIES

PCDS AND CARBIDES

Designed for aggressive concrete stock removal as well as coatings, glues, mastics, and other floor covering adhesives. PCDs and carbides can be used with all National planetary grinder machines.

Part #	Description	Best Uses
9555	2-UP PCD- MICRO	Remove heavy stock, adhesive, thin set, and epoxies
9557	4-UP PCD- MICRO	
9554	1-UP PCD- 1/2 ROUND	
9556	2-UP PCD- 1/2 ROUND	
7268-2	CARBIDES	Remove coatings, glues, thin set, and thin mastics
9521	CARBIDE & TOOLING HOLDER	Use to attach the above tooling to National grinders
9550	SCREW	Use to attach tooling to the above holder
9500	BLANKS	



9554

9556



9557

7268-2

METAL BOND DIAMONDS

Used for light, medium, and aggressive concrete grinding and profiling as well as sealer and top coat removal. Can be used for both residential and industrial applications. Perfect for leveling concrete high spots and repairing imperfections as well as creating the perfect profile for accepting new coatings and epoxies, or preparing concrete for polishing. Metal bond diamonds can be used with all National planetary and passive planetary grinders.

Part #	Description	Best Uses
FULL BAR DIAMOND INSERTS		
9508-16	16 GRIT	Remove epoxy as well as heavy and light sealers
9508-16SB	16 GRIT	Remove various coatings, and profiles on HARD concrete only
9508-30	30 GRIT	Remove light sealers
9508-30SB	30 GRIT	Remove various coatings, and profiles on HARD concrete only
HALF BAR DIAMOND INSERTS		
9507-6	3 GRIT	Remove thin epoxy, paint, adhesives, and sealers
9507-12	12 GRIT	Remove thin epoxy, paint, adhesives, and sealers
9507-16	16 GRIT	Remove thin epoxy, paint, adhesives, and sealers
9507-16HB	16 GRIT	Remove various coatings, and profiles on SOFT concrete only
9507-30	30 GRIT	Remove sealers and preps concrete for polishing
9507-30HB	30 GRIT	Remove various coatings, and profiles on SOFT concrete only
PROFILING DIAMOND INSERTS		
9510-30	30 GRIT	Prep high-/moderate-density concrete for reapplication
9510-50	50 GRIT	Prep concrete for polishing
9510-120	120 GRIT	Prep concrete for polishing
SUPER SOFT, SINGLE BAR DIAMOND INSERTS		
9504-25	25 GRIT	Extremely aggressive coating removal with supersoft matrix for hard concrete or heavy cure and seal treatments, perfect for breaking surface tension



9508-16

9508-30



9507-16

9507-30



9510-30

9510-50



9510-120

9504-25

PLANETARY GRINDER TOOLING AND ACCESSORIES

BRAZED TRAPEZOID DIAMONDS

Used primarily in light industrial and residential applications for concrete grinding and profiling as well as sealer and top coat removal. Provide excellent surface profiles for new coatings, epoxies, or stains. Also create exceptional profiles for concrete preparation and restoration prior to polishing concrete. Brazed trapezoids can be used with all National planetary grinders.

Part #	Description	Best Uses
9522-16	16 GRIT	Remove paint, stain, and sealers; prep concrete for reapplication
9522-30	30 GRIT	Prep concrete for reapplication and polishing
9522-50	50 GRIT	Prep concrete for reapplication and polishing
9522-100	100 GRIT	Prep concrete for polishing



5-INCH BRAZED DIAMONDS

Used primarily in industrial applications for medium to aggressive concrete grinding and profiling as well as sealer and top coat removal. Perfect for concrete preparation and restoration prior to concrete polishing. In addition, brazed diamonds effortlessly remove stains and imperfections from exterior wood decking while simultaneously profiling wood for receiving new stains and/or sealers. These polishing pads are for use with all National planetary grinders.

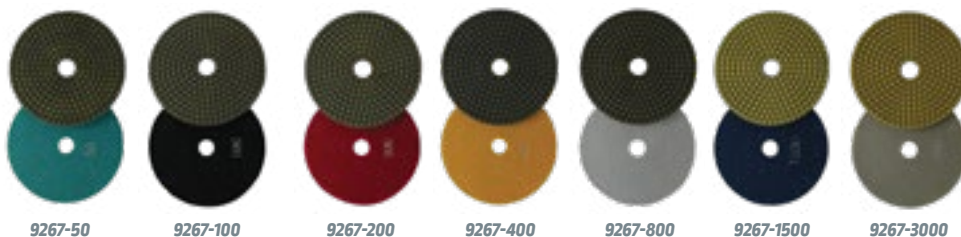
Part #	Description	Best Uses
9235-16	16 GRIT	Remove thin epoxy, paint, stain, adhesives, and heavy sealers
9235-30	30 GRIT	Remove adhesives, heavy and light sealers
9235-50	50 GRIT	Create a "broom finish" on soft concrete surfaces; first stage to polishing concrete
9235-100	100 GRIT	Create a "broom finish" on soft concrete surfaces; first stage to polishing concrete



5-INCH POLISHING PADS

Used for polishing concrete to various finishes and shines. Resin bond. Available in escalating grits. These polishing pads are for use with all National planetary grinders.

Part #	Description	Best Uses
9267-50	50 GRIT	Achieve a "no reflection" polished concrete
9267-100	100 GRIT	Follow 9267-50 to create a "little reflection" polished concrete
9267-200	200 GRIT	Follow 9267-100 to create a "moderate reflection" polished concrete
9267-400	400 GRIT	Follow 9267-200 to create a "satin reflection" polished concrete
9267-800	800 GRIT	Follow 9267-400 to create a "shine" polished concrete
9267-1500	1500 GRIT	Follow 9267-800 to create a "high shine" polished concrete
9267-3000	3000 GRIT	Follow 9267-1500 to create a "mirror" polished concrete





402757 HELIX® GRIND AND SCRAPE PLATE

The deluxe Helix Grind and Scrape Plate is the most versatile prepping plate in the industry. This magnetic tooling system converts from aggressive grinding and scraping to passive planetary for diamond grinding, carbide/PCD scraping, polishing, and sanding. The Morflex couplers allow the plate to follow the contour of the floor.

- Fits the Helix
- Rigid plate mount allows for aggressive grinding and scraping
- Passive planetary tooling creates random scratch pattern
- Polishes and sands without leaving swirl marks
- Morflex couplers reduce the shock to the operator and the machine
- Follows the contour of the floor for uniform operation in low spots
- For use with machines large enough to accept a 16-inch plate with a standard 3¼-inch hub
- Converts from grinding to scraping to polishing to sanding in seconds
- Includes three satellite plates that are easily attachable/detachable with cotter pins
- Has a sliding latch that makes the mounting/dismounting of the plate quick and easy

9292 FLOATING HEAD ASSEMBLY

Improve machine performance, reach low spots, and level high spots by following surface undulation.

- Fits the 8274-4
- Tooling flexes for a uniform and consistent scratch pattern
- Tooling plates attach directly onto mounted floating assembly
- Accommodates all magnetic tooling types, including carbides and PCDs, 5-inch resin polishing pads, 5-inch brazed diamond disks, magnetic diamond tooling, and brazed diamond trapezoids
- Three assemblies required



Shown with the 9241 magnetic tooling holder installed

73250 TOOLING HOLDER MOUNTING SCREW

73214 FLOATING ISOLATOR ASSEMBLY MOUNTING SCREW

401882 MORFLEX COUPLER

73081 HELIX® SAFETY SCREW

73097 8274-4 SAFETY SCREW



401882



8270 CONCRETE HARDNESS TESTER

Unlike other mineral hardness testing tools, the 8270 is made of metals and alloys of hardness values equal to 2 through 9 on the Mohs hardness scale, so they can be easily ground to sharp points that will not break off. Set includes 8 points, streak plate for testing color, hardness plates (3.5 and 5.5), magnet for detecting magnetic rock, grindstone to keep points sharp, hardness tables, and instructions, all in a compact wooden case.

GP700 CONCRETE GRINDER AND POLISHER



Features

The new and improved GP700 grinder and polisher is ideal for prepping concrete floors for topical coatings, overlays, and adhesive while also providing the variety of tooling and power needed to deliver a beautifully polished floor.

- A.** Floating shroud incorporates a brush for a 360-degree air intake
- B.** Adjustable/foldable handle allows for compact transport and operator comfort when in use
- C.** Rear spring suspension allows for a more even prep over uneven surfaces
- D.** Forward/rear locking pitch-adjustable axle that allows the operator to change the angle of the head pressure from the front to the back to compensate for inclines/declines on uneven surfaces
- E.** Soft, regular, or hard couplers available for varying floor conditions
- F.** New stainless steel, 7-gallon water tank
- G.** Control box includes variable-speed soft start, forward and reverse functionality
- H.** Handle transport wheels incorporated for easy loading and unloading
- I.** Four removable side weights for additional head pressure; positioning weights into handle pockets reduces head pressure for easy mobility

GP700 Estimated Production Rates

- Mastic Removal: 350 square feet per hour / 106 sq m/hr
- Thin-set Removal: 400 square feet per hour / 122 sq m/hr
- Mil-coatings Removal: 200 square feet per hour / 61 sq m/hr
- Concrete Polishing: 450 square feet per hour / 137 sq m/hr

GP700 Specifications

Width	27.25"	68.6 cm
Height	37.5"	95 cm
Length	56.5"	143 cm
Cleaning Path	27"	68.6 cm
Weight	800 lb	363 kg
Grinding Pressure with Weights	440 lb	200 kg
Tooling RPM	390	
Motor Phase	Single, Three	
Frequency	60 Hz	
Horsepower	7.5	5.6 kW
Voltage	230	
Amps	30	

Included with the GP700

- 30 feet of power cord

Recommended Accessories



We recommend pairing your GP700 grinder with the DL3000 dust collector and DLS3000 pre-separator.

GP3000 CONCRETE GRINDER AND POLISHER



Features

The GP3000 grinder and polisher is ideal for prepping concrete floors for topical coatings, overlays, and adhesive while also providing the variety of tooling and power needed to deliver a beautifully polished floor. The 28-inch cleaning path and increased grinding head pressure make this an ideal machine for commercial and industrial projects.

- A.** Adjustable shroud incorporates a brush for a 360-degree air intake
- B.** Adjustable/foldable handle allows for compact transport and operator comfort when in use
- C.** Rear spring suspension allows for a more even prep over uneven surfaces
- D.** Soft, regular, or hard couplers available for varying floor conditions
- E.** New stainless steel, 20-gallon water tank
- F.** Control box includes variable-speed soft start, forward and reverse functionality
- G.** Handle transport wheels incorporated for easy loading and unloading
- H.** Four removable side weights for additional head pressure; positioning weights into handle pockets reduces head pressure for easy mobility

GP3000 Estimated Production Rates

- Mastic Removal: 1,000 square feet per hour / 305 sq m/hr
- Thin-set Removal: 1,500 square feet per hour / 457 sq m/hr
- Mil-coatings Removal: 750 square feet per hour / 229 sq m/hr
- Concrete Polishing: 2,500 square feet per hour / 762 sq m/hr

Included with the GP3000

- 30 feet of power cord



Recommended Accessories

We recommend pairing your GP3000 with the DL7000 dust collector.

GP3000 Specifications

Width	29.5"	75 cm
Height	52"	132 cm
Length	72.25"	183 cm
Cleaning Path	28"	71 cm
Weight	1,425 lb	646 kg
Grinding Pressure with Weights	1,090 lb	494 kg
Tooling RPM	385-600	
Motor Phase	Three	
Frequency	60 Hz	
Horsepower	25	18.6 kW
Voltage	230	
Amps	60	

GP SERIES ACCESSORIES

METAL BOND DIAMONDS

For light, medium, and aggressive concrete grinding and profiling as well as sealer and top coat removal. These diamonds can be used for both residential and industrial applications and are perfect for leveling concrete high spots, repairing imperfections, and creating the perfect profile for accepting new coatings and epoxies, or preparing concrete for polishing.

Part #	Description
501000-S	Metal Bond Diamond - Soft
501000-M	Metal Bond Diamond - Medium
501000-H	Metal Bond Diamond - Hard
501111-S	Metal Bond Diamond - Soft
501111-M	Metal Bond Diamond - Medium
501111-H	Metal Bond Diamond - Hard
501222-S	Metal Bond Diamond - Soft
501222-M	Metal Bond Diamond - Medium
501222-H	Metal Bond Diamond - Hard
501333-S	Metal Bond Diamond - Soft
501333-M	Metal Bond Diamond - Medium
501333-H	Metal Bond Diamond - Hard
501020-SL	20 Grit, 2 Seg, Soft Bond, Left Hand
501020-SR	20 Grit, 2 Seg, Soft Bond, Right Hand
501020-ML	20 Grit, 2 Seg, Medium Bond, Left Hand
501020-MR	20 Grit, 2 Seg, Medium Bond, Right Hand
501020-HL	20 Grit, 2 Seg, Hard Bond, Left Hand
501020-HR	20 Grit, 2 Seg, Hard Bond, Right Hand
501040-SL	40 Grit, 2 Seg, Soft Bond, Left Hand
501040-SR	40 Grit, 2 Seg, Soft Bond, Right Hand
501040-ML	40 Grit, 2 Seg, Medium Bond, Left Hand

Part #	Description
501040-MR	40 Grit, 2 Seg, Medium Bond, Right Hand
501040-HL	40 Grit, 2 Seg, Hard Bond, Left Hand
501040-HR	40 Grit, 2 Seg, Hard Bond, Right Hand
501070-SL	70 Grit, 2 Seg, Soft Bond, Left Hand
501070-SR	70 Grit, 2 Seg, Soft Bond, Right Hand
501070-ML	70 Grit, 2 Seg, Medium Bond, Left Hand
501070-MR	70 Grit, 2 Seg, Medium Bond, Right Hand
501070-HL	70 Grit, 2 Seg, Hard Bond, Left Hand
501070-HR	70 Grit, 2 Seg, Hard Bond, Right Hand
501025-SP	25 Grit, 4 Seg, Soft Bond
501025-MP	25 Grit, 4 Seg, Medium Bond
501025-HP	25 Grit, 4 Seg, Hard Bond
501040-SP	40 Grit, 4 Seg, Soft Bond
501040-MP	40 Grit, 4 Seg, Medium Bond
501040-HP	40 Grit, 4 Seg, Hard Bond
501080-SP	80 Grit, 4 Seg, Soft Bond
501080-MP	80 Grit, 4 Seg, Medium Bond
501080-HP	80 Grit, 4 Seg, Hard Bond
501030-2	25/30 Grit, 2 Seg
501016-10	16 Grit, 10 Seg
501030-10	30 Grit, 10 Seg



PCDS

Part #	Description
501020-PCD	20 Grit, PCD
501000-PCD-L	Left Hand PCD, Rough Profile
501000-PCD-R	Right Hand PCD, Rough Profile



RESIN POLISHING PADS

Long-lasting and ideal for heavier machines, resin pads create a high-gloss finish. A radial edge allows for smooth riding over lippage and joints.

Part #	Description
501444	100-200 Grit, Semi Metal Transition Pad
501555	200-400 Grit
501666	400-800 Grit
501777	800-1500 Grit
501888	1800-3000 Grit



GP SERIES ACCESSORIES

403232: Quick change tooling plate
403337: Pad, holder



TOOLING & ACCESSORY QUANTITY RECOMMENDATIONS

GP700 - (2 heads)*

Item	Quantity
403337 - Velcro Adapter	6
403627 - Morflex Coupler	2
403232 - Quick Change Tooling Plate	2
403629 - Woodruff Key	2
501000-PCD-L - PCD, 1/4" Round, 2-Up, Left Hand	3
501000-PCD-R - PCD, 1/4" Round, 2-Up, Right Hand	3

*The machine needs 3 lefts & 3 rights.

GP3000 - (4 heads)*

Item	Quantity
403337 - Velcro Adapter	12
403627 - Morflex Coupler	4
403232 - Quick Change Tooling Plate	4
403629 - Woodruff Key	4
501000-PCD-L - PCD, 1/4" Round, 2-Up, Left Hand	6
501000-PCD-R - PCD, 1/4" Round, 2-Up, Right Hand	6

*The machine needs 6 lefts and 6 rights.

BURNISHERS

These high-speed burnishers produce a high-gloss finish through high-velocity continual rotations, reduced torque, and engineered pad pressure.

For the most updated information, please refer to our website, nationalequipment.com

14100 ELECTRIC BURNISHER



14100 Specifications

Width	24"	61 cm
Height	42"	106.7 cm
Length	24"	61 cm
Weight	70 lb	31.75 kg
RPM	1500	
HP	1.5	
Voltage	120	

Features

The 14100 is a powerful, direct drive, electric burnisher that is ideal for producing a brilliant, high-gloss shine with minimal effort. This machine features a self-adjusting pad pressure that eliminates the need to change settings or make adjustments.

- A.** Powerful 1.5 HP belt-driven motor
- B.** Safety start push button
- C.** Floating handle for efficient operation and storage

Burnishing Pads

National's burnishing pads polish concrete faster and better than any other diamond buffing pad on the market, completing work in a fraction of the time it takes larger polishing machines. Pad life exceeds 20,000 square feet, making them great for maintaining concrete.

404099

· Pad, Diamond Buffing, Green, 3000 Grit, 20", pack of 2

404100

· Pad, Diamond Buffing, 10,000 Grit, 20", pack of 1



14420 HIGH-SPEED BURNISHER



14420 Specifications		
Width	27.5"	69.9 cm
Height	40"	101.6 cm
Length	58.5"	148.6 cm
Empty Weight	220 lb	99.8 kg
Weight (with tank)	240 lb	109 kg
RPM	1800	
HP	14.5	10.8 kW

Features

The 14420 is a propane-powered, ultra-high-speed burnisher that gives floor-care professionals the options they want to customize a machine to their needs.

- A.** Onboard, 12-volt electric starter and clutch
- B.** 18 HP, 603 cc, Kawasaki engine uses 34 percent less fuel and requires 40 percent fewer oil changes than other machines in its class; great for jobsites without power
- C.** Catalytic muffler exceeds EPA and CARB minimum requirements
- D.** Cloth dust collection is side mounted for easy cleaning
- E.** Triple-anchor, welded adjustable handle for maneuverability
- F.** Soft-tread adjustable wheels for tool-free pressure adjustment
- G.** Integral metal skirt works in conjunction with an onboard dust bag

Burnishing Pads

National's burnishing pads polish concrete faster and better than any other diamond buffing pad on the market, completing work in a fraction of the time it takes larger polishing machines. Pad life exceeds 20,000 square feet, making them great for maintaining concrete.

404101

· Pad, Diamond Buffing, Green, 3000 Grit, 27", pack of 2

404102

· Pad, Diamond Buffing, 10,000 Grit, 27", pack of 1





HANDHELD GRINDERS

National's handheld grinders offer the perfect solution for dustless surface preparation, edging, and hard-to-reach places.

For the most updated information, please refer to our website, nationalequipment.com

3420, 3432, 3435 HANDHELD GRINDERS



3420: 7-inch Grinder



3435: 5-inch Grinder



3432: 5-inch
Variable-Speed
Polisher

Features

Available in 5-inch and 7-inch models, these electric, right-angle grinders are handheld and can be used for a variety of concrete floor preparation applications, including concrete cleaning and leveling as well as mastic, urethane, epoxy, and coatings removal.

- A.** Durable convertible polyurethane dust shroud enables detailed, nearly dustless edge grinding
- B.** Works with dust collectors; attach using the 2-inch inlet port connector located on the convertible dust shroud
- C.** Loop handle on 3420 and 3432 creates superior control, results in fewer swirl marks, and lessens operator fatigue
- D.** Accommodates multiple styles of diamond turbo cup wheels



Grinds to the wall with ease

Included with the Machines

- **3420:** Includes loop handle and 3440 polyurethane convertible dust shroud
- **3435:** Includes post handle and 402252 polyurethane convertible dust shroud
- **3432:** Includes loop handle, 5-inch Velcro adapter, and 402252 polyurethane convertible dust shroud

Recommended Accessories

We recommend pairing your handheld 3435 and 3432 grinders with the DL1000 dust collector, and pairing the 3420 with the DL2000 dust collector.



DL1000

DL2000

Specifications

	3420		3435		3432	
Disk Size	7"	18 cm	5"	13 cm	5"	13 cm
Weight*	16 lb	7.3 kg	7 lb	3.63 kg	10 lb	4.5 kg
Variable Speed	No		No		Yes	
RPM	6600		7000		700-2200	
Voltage	115		115		115	
Frequency	60 Hz		60 Hz		60 Hz	
Amps	15		12.2		10	

*Measurements are without tooling attached.

3535 CORNER PREPARATION AND POLISHING TOOL



3535 Specifications

Width*	6"	15 cm
Length*	24"	61 cm
Weight*	19 lb	8.6 kg
Variable Speed	Yes	
RPM	0-6000	
Voltage	115	
Amps	13	

*Measurements are without tooling attached.



Features

This machine offers you a way to prep and polish effectively into corners. This tool will work into most areas that handheld grinders do not, and it will eliminate the need to paint a border around polished rooms. Grind and polish corners, under cabinets and stairs, under railings, and around door frames.

- A.** Accommodates brazed diamonds and polishing pads, from 16 to 3000 grit; supports corner work in partnership with all other National surface preparation tools
- B.** Variable-speed, right-angle motor powers numerous tooling options with an oscillating motion
- C.** Loop handle enables precision handling



Included with the 3535

- Solid aluminum, diamond check-plate carrying case
- Three diamond-pad holders
- Two corner-diamond holders
- Left-hand and right-hand post tools
- Wrench

See accessories page for the 3535 tooling attachments.

ACCESSORIES

CUP WHEELS

Industry-leading cup wheels come in various configurations and are ideal for coating removal, grinding high spots, and cleaning along walls. PCD wheels stay sharper longer under adverse conditions.

Part #	Size	Segment	Thread	RPM	Use With	Best Uses
3419	7"	12	5/8-11	8500	3420	Remove epoxies, mastics, paints, and coatings
3420-2	7"	24	7/8, 5/8 hole	8500	3420, 3425	Concrete cleaning and planing, remove thin mil sealer
3449	5"	9	7/8, 5/8 hole	13,300	3435	Remove epoxies, mastics, paints, and coatings
3450	5"	18	7/8, 5/8 hole	13,300	3435	Concrete cleaning and planing, remove thin mil sealer
3443 PCD Cup Wheel	7"	24	7/8, 5/8 hole	8500	3420, 3425	Paint grinding and removal of gummy adhesive, elastomeric, epoxy, and thin-set



3419



3420-2

402254: Spanner wrench for knockout cup wheels

402556: Spanner wrench for threaded cup wheels

3432 AND 3535 VELCRO ATTACHMENTS

Part #	Description	Best Uses
5-INCH VELCRO BRAZED DIAMONDS - HEAVY COMMERCIAL		
9235-16	16 GRIT	Remove thin epoxy, paint, stain, adhesives, and heavy sealers
9235-30	30 GRIT	Remove adhesives, heavy and light sealers
9235-50	50 GRIT	Create a "broom finish" on soft concrete surfaces; first stage to polishing concrete
9235-100	100 GRIT	Create a "broom finish" on soft concrete surfaces; first stage to polishing concrete
5-INCH VELCRO CONCRETE POLISHING PADS (USED IN SEQUENTIAL ORDER TO ACHIEVE RESULTS)		
9267-50	50 GRIT	Achieve a "no reflection" polished concrete
9267-100	100 GRIT	Follow 9267-50 to create a "little reflection" polished concrete
9267-200	200 GRIT	Follow 9267-100 to create a "moderate reflection" polished concrete
9267-400	400 GRIT	Follow 9267-200 to create a "satin reflection" polished concrete
9267-800	800 GRIT	Follow 9267-400 to create a "shine" polished concrete
9267-1500	1500 GRIT	Follow 9267-800 to create a "high shine" polished concrete
9267-3000	3000 GRIT	Follow 9267-1500 to create a "mirror" polished concrete



9235-16



9267-50

3535 TOOLING ATTACHMENTS

Corner Brazed	
9420-30	30-grit corner brazed
9420-50	50-grit corner brazed
9420-100	100-grit corner brazed



9420-30

Corner Resin	
9435-50	50-grit corner resin
9435-100	100-grit corner resin
9435-200	200-grit corner resin
9435-400	400-grit corner resin
9435-800	800-grit corner resin
9435-1500	1500-grit corner resin
9435-3000	3000-grit corner resin



9435-50

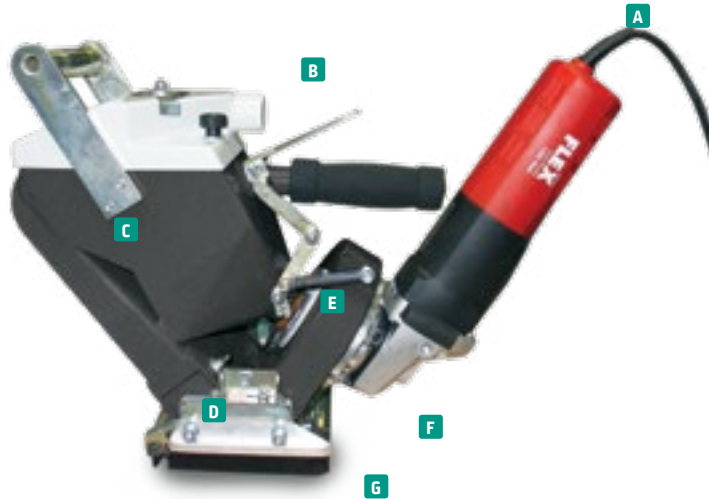
A gloved hand holds a white bag of Metaltec Steel Abrasive Co. next to a National Flooring Equipment shot blaster. The blaster is a large, industrial machine with a hopper for abrasive material and a nozzle for blasting. The background is a dark, textured surface, possibly concrete or steel.

SHOT BLASTERS

National's shot blasters strip, clean, and profile in a single time-saving step.

For the most updated information, please refer to our website, nationalequipment.com

HB5 HANDHELD SHOT BLASTER



Features

This compact unit is easy to handle and is the perfect solution for small and difficult to reach areas. It is light and powerful and can be utilized in both vertical and horizontal applications. This machine is ideal for walkways, stairs, steel-weld inspections, and other small spaces with concrete, asphalt, and steel. It will efficiently remove graffiti, clean steel storage tanks and ship deck surfaces, and do edge preparation.

- A.** Powerful 115-volt blast motor combined with a compact design make this shot blaster small but mighty
- B.** Vacuum port for almost dust-free operation when paired with National's DL1000
- C.** Shot hopper
- D.** Shot and dust containment brushes
- E.** Direct drive blast wheel efficiently moves shot through the machine
- F.** Built in dampener controls the cfm of the dust collector
- G.** Floating steel liners in addition to the brush and drag steel system

Recommended Accessories



For maximum efficiency when shotblasting with the HB5, we recommend pairing it with the DL1000 dust collector.

HB5 Specifications

Width	6.7"	17 cm
Blasting Width	5"	12.5 cm
Max. Height	13.8"	35 cm
Max. Length	19.7"	50 cm
Weight	17.6 lb	8 kg
Blasting Capacity	215 sq ft/hr	20 sq m/hr
Voltage	115	
Motor Phase	Single	
Amps	15	

3395 8-INCH MANUAL SHOT BLASTER



3395 Specifications

Width	12"	30 cm
Blasting Width	8"	20 cm
Max. Height	40"	102 cm
Min. Height	31"	79 cm
Max. Length	40"	104 cm
Min. Length	35"	89 cm
Weight	100 lb	45.4 kg
Speed	Manual	
Blasting Capacity	Up to 430 sq ft/hr	
Voltage	115	
HP	1.5	1.12 kW
Amps	15	
Current	Recommend using a 20-amp circuit breaker	

Features

The 3395 strips, cleans, and profiles in a single time-saving step. Compact and affordable, it offers mobility and versatility for small to midsize applications.

- A.** Squeezing the shot valve handle starts the blast wheel while simultaneously opening the shot valve; shot valve closes and blast wheel ceases automatically when the operator is not present
- B.** Height-adjustable handle with built-in operator controls
- C.** For line-stripe preparation and removal, optional blast-reduction liners reduce the blast-pattern width from 8 inches to 6, 4, or 2 inches
- D.** Maximizes separation of dust from the abrasive
- E.** Close-faced blast wheel design directs more steel abrasive to the surface, resulting in lower maintenance costs
- F.** Front swivel casters increase maneuverability and control for a more uniform and consistent profile



Recommended Accessories



For maximum efficiency when shotblasting, we recommend pairing your 3395 shot blaster with the DL2000 dust collector and DLS2000 pre-separator.

Optional accessories include the 3395 shot blast kit. Refer to page 55 for a detailed list of contents.

3396 8-INCH SHOT BLASTER



Features

The production ability of the 3396 variable-speed, self-propelled shot blaster sets a new industry standard in 8-inch shot blasters. Compact for mobility and versatility for small to midsize applications.

- A.** Shot valve handle starts the self-propelled motor; the shot valve closes and the blast wheel ceases automatically when the operator is not present
- B.** Height-adjustable handle with built-in operator controls
- C.** For line-stripe preparation and removal, optional blast-reduction liners reduce the blast pattern width from 8 inches to 6, 4, or 2 inches
- D.** Maximizes separation of dust from the abrasive
- E.** Close-faced blast wheel design directs more steel abrasive to the surface, resulting in lower maintenance costs
- F.** Front swivel casters increase maneuverability and control for a more uniform and consistent profile
- G.** Self-propelled
- H.** New control box allows the machine to run at 208 and 230 volts. The high-speed option lets you effectively control your speed
- I.** Variable speed



3396 Specifications

Width	12.5"	32 cm
Blasting Width	8"	20 cm
Max. Height	40.5"	103 cm
Min. Height	37.5"	95 cm
Max. Length	48.75"	124 cm
Min. Length	46.5"	118 cm
Weight	288 lb	130.6 kg
Speed	0-98 ft/min	0-29.9 m/min
Blasting Capacity	up to 861 sq ft/hr	up to 80 sq m/hr
Voltage	230 volt single phase	
HP	5.5	4.1 kW
Amps	30	

Recommended Accessories



For maximum efficiency when shotblasting, we recommend pairing your 3396 shot blaster with the DL3000 dust collector and DLS3000 pre-separator.

Optional accessories include the 3396 shot blast kit. Refer to page 55 for a detailed list of contents.

3397 10.5-INCH SHOT BLASTER



3397 Specifications

Width	15.3"	38.9 cm
Blasting Width	10.6"	27 cm
Max. Height	45.5"	115.57 cm
Min. Height	41.25"	104.77 cm
Max. Length	53"	134.62 cm
Min. Length	50"	127 cm
Weight	384 lb	174.18 kg
Speed	0-98 ft/min	0-30 m/min
Blasting Capacity	up to 1,400 sq ft hr	up to 130 sq m/hr
Voltage	230 volt 3-phase	
Motor Phase	Three	
HP	10	7.46 kW
Amps	30	

Features

The 3397 strips, cleans, and profiles in a single time-saving step. Durable and efficient, it offers mobility and versatility for large applications.

- A.** Shot valve handle starts the self-propelled motor; the shot valve closes and the blast wheel ceases automatically when the operator is not present
- B.** Height-adjustable handle, ergonomic blast wheel placement, and shot blast controls reduce operator fatigue
- C.** In-line preparation system maximizes separation of abrasives and dust, setting a new industry standard for 10.5-inch shot blasters
- D.** Front swivel casters increase maneuverability and control for a more uniform and consistent profile
- E.** Side-slide removable shot screen is easy to access and clean
- F.** Rebound hopper incorporates a newly designed rear-facing vacuum port for improved air flow
- G.** Left-side base magnet may be removed and replaced with an included edge blasting plate for surface access within a half inch of the wall
- H.** New control box
- I.** Features a cord management system
- J.** Variable speed
- K.** Overdrive button helps create consistency in the blast pattern profile
- L.** New and improved control box with hour meter, high-range overdrive selector, and heavy duty shot operator cable



Recommended Accessories

For maximum efficiency when shotblasting, we recommend pairing your 3397 shot blaster with the DL7000 dust collector.

Optional accessories include the 3397 shot blast kit. Refer to page 55 for a detailed list of contents.

333 SHOT BLASTER



333 Specifications

Width	15.3"	390 cm
Blasting Width	12.6"	320 cm
Max. Height	41.3"	1,050 cm
Max. Length	49.2"	1,250 cm
Weight	397 lb	180 kg
Speed	0-98 ft/min	0-30 m/min
Blasting Capacity	up to 1,600 sq ft/hr	up to 149 sq m/hr
Voltage	230	
Motor Phase	Three	
HP	10	
Amps	30	

Features

The 333 is National's cost-efficient shotblasting workhorse. The larger, 12.6-inch blasting pattern powered by a 230-volt motor drives hard-hitting versatile action. The 333 strips, cleans, and profiles in a single time-saving step. The variable-speed drive system of this versatile machine creates a consistent surface profile perfect for many small to large jobs.

- A.** New and improved control box with hour meter, high-range overdrive selector, and heavy duty shot operator cable
- B.** Height-adjustable handle, ergonomic blast wheel placement, and shot blast controls reduce operator fatigue
- C.** Front swivel casters increase maneuverability and control for a more uniform and consistent profile
- D.** Side-slide removable shot screen is easy to access and clean
- E.** Rebound hopper incorporates a newly designed rear-facing vacuum port for improved air flow
- F.** Overdrive button helps create consistency in the blast pattern profile



Recommended Accessories

For maximum efficiency when shotblasting with the 333, we recommend pairing it with the DL7000 dust collector.

3398 12.5-INCH SHOT BLASTER



Features

The workhorse of National's shotblasting line, the 3398 combines a 15 HP blast motor and 12.5-inch blasting width for impressive production capacity. Controls are located on the operator handle for easier use, reducing operator fatigue.

- A.** Variable-speed, self-propelled forward and reverse drive for a consistent surface profile; handle blast controls reduce operator fatigue
- B.** Side-force, gap-free, interlocking lining system eliminates wear to the blast housing for lower maintenance
- C.** Side-slide removable shot screen is easy to remove and clean
- D.** Main high-speed blast wheel bearing is collar mounted for easy blast wheel shaft-tuning
- E.** Overdrive button helps create consistency in the blast pattern profile

3398 Advantages

- Cord management system
- The National 3398 blasting system is 350 pounds lighter as a whole compared to comparable blasters in its class
- Standard base transport lift for ease of mobility



3398 Specifications

Width	19.5"	50 cm
Blasting Width	12.6"	32 cm
Height	54"	137 cm
Length	65.5"	166 cm
Weight	682 lb	309.4 kg
Speed	0-98 ft/min	0-29.9 m/min
Blasting Capacity	Up to 2,153 sq ft/hr	up to 200 sq m/hr
Voltage	460/480	
Motor Phase	Three	
HP	15	11.18 kW
Amps	30	

Recommended Accessories

For maximum efficiency when shotblasting with the 3398, we recommend pairing it with the DL7000 dust collector.

Optional accessories include the 3398 shot blast kit. Refer to page 55 for a detailed list of contents.

A30 SHOT BLASTER



Features

This rugged and powerful machine features an over-size drive motor with an integrated brake for use on inclines and entry/exit ramps. The high productivity of this shot blaster is perfect for large jobs, including bridges, highways, parking decks, airport runways, and ship decks.

- A.** The A30 has two powerful 15 kW motors allowing for up to 4,500 square feet per hour of production
- B.** Newly designed side “force liner” system protects the housing better than the competition’s liners that allow gaps; the result of this new design is that the liners and blast housing last longer with less maintenance cost
- C.** Features both cord and hose management systems
- D.** Standard base transport lift for ease of mobility during transport
- E.** Hopper screen tray is removable from the side of the machine



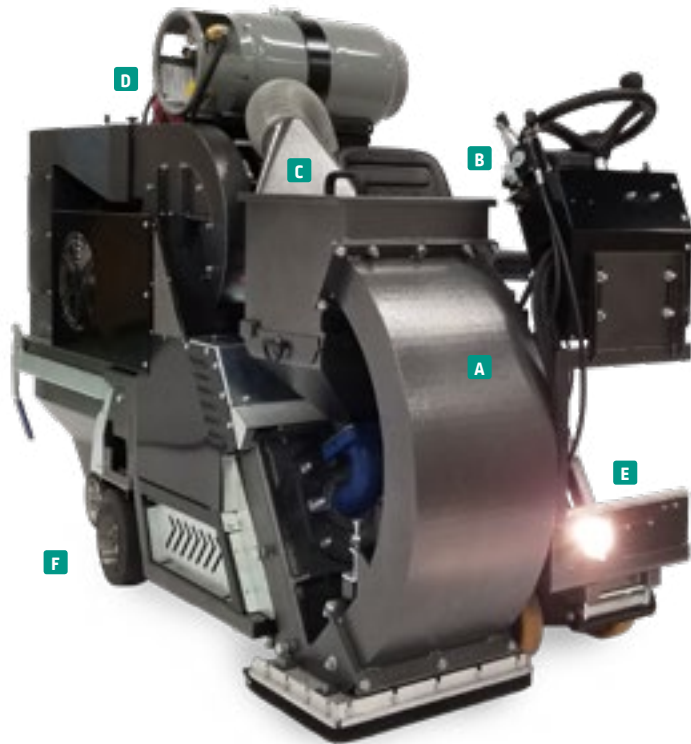
A30 Specifications

Width	38.2"	97 cm
Blasting Width	29.5"	75 cm
Max. Height	44.1"	112 cm
Max. Length	77.4"	185 cm
Weight	1,609 lb	730 kg
Speed	0-98 ft/min	0-30 m/min
Blasting Capacity	Up to 6,500 sq ft/hr	up to 600 sq m/hr
Voltage	480	400 V/50 Hz
Motor Phase	Three	
HP	2 x 15 kW	

Recommended Accessories

For maximum efficiency when shotblasting with the A30, we recommend pairing it with the DL7000 dust collector.

A12 RIDE-ON SHOT BLASTER



Features

The A12 ride-on shot blaster is perfect for medium to large jobs. This dual fuel unit doesn't require a generator or electric power, and it is compact enough to pass through standard doorways. The A12 is ideal for airports, ship decks, bridge decks, large parking structures, highways, and large industrial plants.

- A.** Quieter centrifical blast wheel for easy maintenance on the jobsite
- B.** Variable speed
- C.** Self-contained onboard dust collection system with compressed pneumatic cleaning operation
- D.** Dual fuel
- E.** Rear-wheel drive for superior maneuverability
- F.** LED headlight for increased visibility

A12 Specifications

Width	34"	86.4 cm
Blasting Width	13"	32 cm
Height	63"	160 cm
Length	83"	210 cm
Weight	1,808 lb	820 kg
Speed	118 ft/min	0-36 m/min
Blasting Capacity	650 ft/hr	up to 200 m/hr
HP	23.7	17.7kW

SHOT BLAST ACCESSORIES



6551 HEAVY-DUTY MAGNETIC SHOT SWEEPER

This sweeper is ideal for steel shot, and it picks up metal debris quickly and easily. Includes:

- Release handle
- Height-adjustable settings of 1, 2, and 3 inches
- Wheeled construction makes it easy to push across surfaces
- 24-inch magnet, 25-inch width



6553 14-INCH MAGNETIC SHOT SWEEPER

This push-type sweeper is made with a powerful ceramic magnet and durable aluminum frame and handle. It features a 14-inch sweeping width, 6-inch wheels, and a quick-release handle to make picking up nails, screws, and other metal debris easy.

- Sweeping width: 14"
- Overall width: 15.125"
- Height: 42"
- Shipping weight: 21 lb
- Approx. lb pull: 233 lb



6552 24-INCH MAGNETIC SHOT SWEEPER

This push-type sweeper is made with a powerful ceramic magnet and durable aluminum frame and handle. It features a 24-inch sweeping width, 6-inch wheels, and a quick release handle to make picking up nails, screws, and other metal debris easy.

- Sweeping width: 24"
- Overall width: 30.25"
- Height: 42"
- Shipping weight: 41 lb
- Approx. lb pull: 400 lb



6555 HAND MAGNET

Handheld magnet designed for loading and unloading media into shot blast machines.

SHOT

- 3404: S-280, 50-pound bag
- 3411: S-330, 50-pound bag

LINERS

- 3395-201000199: Left-side liner
- 3395-201000200: Right-side liner
- 3395-201000201: Top liner
- 3396-201000070: Left-side liner
- 3396-201000071: Right-side liner
- 3396-201000072: Top liner
- 3397-201000052: Left-side liner
- 3397-201000053: Right-side liner
- 3397-201000054: Top liner
- 3398-201000233: Right-/left-side liner
- 3398-201000530: Top liner

WHEELS KITS

- 3395-201000145: 165 mm wheel kit
- 3396-201000002: Wheel kit
- 3398-201000001: 200 mm wheel kit

BRUSHES

- 3395-201000202: Right-/left-side brush
- 3396-201000800: Right-side brush
- 3396-201000799: Left-side brush
- 3397-201000418: Right-side brush
- 3397-201000417: Left-side brush
- 3398-201000027: Right-side brush
- 3398-201000024: Left-side brush
- 3398-201000503: Front brush

REDUCERS

- 3395-201001726: Reducer, 2" blast width
- 3395-201001725: Reducer, 4" blast width
- 3395-201001724: Reducer, 6" blast width
- 3396-201001723: Reducer, 2" blast width
- 3396-201001722: Reducer, 4" blast width
- 3396-201001721: Reducer, 6" blast width

BELTS

- 401868: Belt
- 3397-301000019: Belt

MISCELLANEOUS

- 3477-204000590: Hose adapter
- 3398-201000494: Rear seal

SHOT BLAST KITS



3395 Kit

Toolbox 410 x 240 x 250
Jaw wrench 10 x 11
Jaw wrench 13 x 17
Wrench insert 24 mm
Holder 1/2
Slotted screwdriver 5.5 x 1.0 x 100
Hammer
Hexagon wrench 6 mm
Goggle
Blast wheel kit 165 mm
Top liner
RH liner
LH liner
Abrasive control cable
2 x Brush, side LH & RH
2 x Brush, front & rear

3396 Kit

Toolbox 410 x 240 x 250
Jaw wrench 10 x 11
Jaw wrench 13 x 17
Jaw wrench 17 x 19
Wrench insert 10 mm
Wrench insert 13 mm
Wrench insert 17 mm
Wrench insert 19 mm
Wrench insert
Change-over ratchet 1/2"
Slotted screwdriver
Hammer 500
Hexagon wrench
Goggle
Blast wheel kit 165 mm
Top liner
RH liner
LH liner
Side brush LH
Brush in the front and a rear skid seal
Side brush RH
Abrasive control cable
Rear seal
V-ribbed belt

3397 Kit

Toolbox 660 x 280 x 320
Jaw wrench 10 x 11
Jaw wrench 13 x 17
Jaw wrench 17 x 19
Wrench insert 10 mm
Wrench insert 13 mm
Wrench insert 17 mm
Wrench insert 19 mm
Wrench insert
Change-over ratchet 1/2"
Slotted screwdriver
Hammer 500
Hexagon wrench
Goggle
Blast wheel kit 165 mm
Abrasive control cable
Top liner
Side liner RH
Side liner LH
Side brush LH
V-ribbed belt
Side brush RH
Brush front long
Brush front short
Rear seal

3398 Kit

Toolbox 660 x 280 x 320
Jaw wrench 10 x 11
Jaw wrench 13 x 17
Jaw wrench 17 x 19
Jaw wrench 22 x 24
Wrench insert 10 mm
Wrench insert 13 mm
Wrench insert 17 mm
Wrench insert 19 mm
Wrench insert 8 x 100 mm
Wrench insert 24 mm
Change-over ratchet
Slotted screwdriver 5.5 x 1.0 x 100
Hammer 500 Gr.
Hexagon wrench 6 mm
Safety goggles
Tune-up kit 200 mm
Top Liner
Side Liner
Abrasive control cable
Tooth belt
Brush gasket LH
Brush gasket RH
Brush gasket front
Seal gasket

SCARIFIER

Designed for heavy-duty bulk concrete removal, coating removal, and overlayment and thin-set removal.

For the most updated information, please refer to our website, nationalequipment.com

Spartan 220

8-INCH SCARIFIER



Features

Built with the industry's strongest solid-welded, steel-frame construction, the Spartan 220 comes equipped with a specialty drum system designed to remove paint, thin mil coatings, line striping, carpet adhesives, and other refined applications.

- A.** Adjustable knob precisely aligns depth and contact pressure settings
- B.** Tubular handle includes dust collection inlet for a nearly dustless operation
- C.** Quick-change drum system; balanced drums turn at 2148 RPM for high productivity and accurate results
- D.** Spring-loaded, rear-locking brake
- E.** Convenient lifting points on the front



Spartan 220 Specifications

Machine Width	14.5"	37 cm
Milling Width	8"	20 cm
Height	41"	104 cm
Length	35.4"	90 cm
Weight	125.7 lb	57 kg
Voltage	230	
Hz	60	
Phase	Single	
RPM	3440	
Motor	2.99 HP	2.2 kW

SCARIFIER ACCESSORIES

Spartan Accessories:



402166
Cutters, HMR-5.40 (set)



402167
Washers, HMR-5.40 (set)



402170
Cutters, TMO-7.15 (set)



402171
Washers, TMO-7.15 (set)



402212
Cutters, TSR-5.5 (set)



402194
Cutters, TSR-7.5 (set)



402195
Washers, TSR-5.5 and TSR-7.5 (set)

402164
Belt



402173
Drum and shaft for
HMT and TMO

402165 COMPLETE DRUM LOADED WITH HMR-5.40 CARBIDE 5-PIN CUTTER

- Designed for thin and hard material removal
- Applications include roughening, abrading, leveling, grooving, bulk concrete removal, high spot removal, curled joints, thick coating and overlayment removal



402168 COMPLETE DRUM LOADED WITH TMO-7.15 SOLID CARBIDE MILLING CUTTER

- Designed for the removal of thick and soft thermoplastics, line stripes, and traffic markings on concrete and asphalt

402211 COMPLETE DRUM LOADED WITH TSR-5.5 STAR WHEEL/SOLID CARBIDE

- Designed for the removal of thin and hard materials
- Applications include removal of paint, coatings, adhesive removal, plastic coatings, and dirt; light concrete preparation
- These star wheel cutters leave a "shotblasted-like" profile



SPARTAN E: EDGER ATTACHMENT

Designed to attach to National's Spartan 220 scarifier. This compact, unique side attachment allows complete preparation of edges. The Spartan E is also equipped with a vacuum port for virtually dust-free operation.



402192 WOOD-SCORING SCARIFIER DRUM

This wood-scoring drum attaches to National's Spartan 220 scarifier. It is an 8-inch drum, with three scoring blades. Using this on your scarifier eliminates the need to get down on your hands and knees to use a circular saw to score the wood.

TSR CUTTERS

Steel cutters, or "TSR" cutters, are known for their versatility; they are designed to take up everything from thin mil coatings and glues to mastics, line striping, and rust off steel decks, as well as do general concrete preparation. They leave a shot-blast like profile.

TMO CUTTERS

Milling cutters, or "TMO" cutters, are designed to remove thicker, softer materials while doing minimal damage to the underlying surface. These cutters efficiently remove epoxy coatings, thermoplastics, line striping, waterproofing membranes, and general scarifying applications. TMO cutters are made of tungsten and are best applied when the underlying surface needs a very light profile.

HMR CUTTERS

Tungsten carbide-tipped cutters, or "HMR" cutters, are the workhorses of the cutter world. Commonly used for leveling high spots on concrete or asphalt, grooving concrete, tough line removal applications, sidewalk trip hazards, and stubborn thin-set removal, these cutters are most common on jobsites requiring a tough removal. HMR cutters will leave a rough profile on concrete, and will last longer than standard steel cutters.



DUST COLLECTORS

National builds the industry's leading performance dust collectors, safely containing the maximum amount of even the finest airborne particles. Using a HEPA filter, they efficiently collect powders, concrete dust, wood dust, and many other work-site by-products. The Longopac bagging system makes dust disposal easy and convenient.

For the most updated information, please refer to our website, nationalequipment.com

DL1000 DUST COLLECTOR



Features

The new DL1000 industrial dust collector is a robust, powerful, and compact machine. The rugged steel frame, powerful single-phase motor, and efficient modular design ensure that this machine can handle your toughest jobs.

- A.** Easy-to-clean conical cartridge filter system limits downtime on the job and increases filtration efficiency
- B.** The detachable container at the bottom of the machine allows for easy removal and disposal of debris
- C.** Convenient cord holder at the top of the machine keeps excess cord tidy and out of the way
- D.** OSHA compliant HEPA filter with a minimum efficiency of 99.995 percent at 0.14 microns
- E.** Longopac bagging system
- F.** Power port on the front of the machine allows small hand tools to be plugged in

Included with the DL1000

- Anti-static hose dust collection hose
- Wand
- Floor tool attachment

DL1000 Specifications

Width	15"	38 cm
Height	32.3"	82 cm
Length	19"	48 cm
Weight	59.6 lb	20 kg
Voltage	110	
Hz	60	
Vacuum Pressure	88.6" H ₂ O	2.25 m H ₂ O
Air Movement	103 CFM	175 m ³ /hr
Filter Area	7 sq ft	6,500 sq cm
Filter Efficiency	.0000394 (1 um)	cat M
Noise Emission (dBA)	72	
Inlet	2"	5 cm

DL2000 DUST COLLECTOR



DL2000 Specifications

Width	22"	56 cm
Height	51.2"	130 cm
Length	20.9"	53 cm
Weight	121.6 lb	37 kg
Voltage	115	
Hz	60	
Vacuum Pressure	88.6" H ₂ O	2.25 m H ₂ O
Air Movement	206 CFM	350 m ³ /hr
Filter Area	32.3 sq ft	30,000 sq cm
Filter Efficiency	99.995 @ .18 microns	
Noise Emission (dBA)	75	
Inlet	2"	5 cm

Features

The new DL2000 is precisely engineered, contractor tested, and designed with the highest control calibrations on rugged steel frames with washable integrated filters. These filters are simple to maintain and reinforced in a sturdy float-and-flow system. The dust collector exceeds HEPA standards and is equipped with a Longopac bagging system.

- A. Individually tested HEPA filter with a minimum efficiency of 99.995 percent at 0.14 microns; a rugged steel frame provides support during transport and use
- B. Primary filter
- C. State-of-the-art telescoping side arms for a highly portable machine that can be packed away easily for storage, or expanded for use
- D. Heavy-duty, anti-static collection hose provides durability and safety

Included with the DL2000

- Anti-static hose dust collection hose
- Wand
- Floor tool attachment

Recommended Accessories

- 402473 Longopac bagging system replacement. Sold in a 4-pack
- 402467 Primary filter



DLS2000: PRE-SEPARATOR

Capture the majority of dust and debris prior to it reaching your dust collector filters. This unique addition greatly extends the life of your dust collector filters and allows for extended running time, increasing your production while saving money and time on filter replacement. Designed on casters so that it can easily move with your surface preparation equipment.

DL3000 DUST COLLECTOR



DL3000 Specifications

Width	24.4"	62 cm
Height	63"	160 cm
Length	24.4"	62 cm
Weight	154.32 lb	70 kg
Voltage	230	
Phase	Single	
Hz	60	
Vacuum Pressure	98.4" H ₂ O	2.5 m H ₂ O
Air Movement	318 CFM	450 m ³ /hr
Filter Area	32.3 sq ft	30,000 sq cm
Filter Efficiency	99.995 @ .14 microns	
Noise Emission [dBA]	76	
Inlet	3.15"	8 cm

Features

The new DL3000 is precisely engineered, contractor tested, and designed with the highest control calibrations on rugged steel frames with washable integrated filters. These filters are simple to maintain and reinforced in a sturdy float-and-flow system. Equipped with a Longopac bagging system, the DL3000 exceeds HEPA standards. This new age of dust control power is another display of our dedication to you and your valuable assets.

- A.** Included with the machine is an individually tested HEPA filter with a minimum efficiency of 99.995 percent at 0.14 microns; a rugged steel frame provides support during transport and use
- B.** Primary filter
- C.** Heavy-duty, anti-static collection hose provides durability and safety

Included with the DL3000

- Anti-static hose dust collection hose
- Wand
- Floor tool attachment

Recommended Accessories

- 402473 Longopac bagging system replacement. Sold in a 4-pack
- 402469 Primary filter



DLS3000: PRE-SEPARATOR

Capture the majority of dust and debris prior to it reaching your dust collector filters. This unique addition greatly extends the life of your dust collector filters and allows for extended running time, increasing your production while saving money and time on filter replacement. Designed on casters so that it can easily move with your surface preparation equipment.

DL7000 DUST COLLECTOR



Features

The DL7000 was specifically designed to pair with National's largest shot blasters and grinders. Equipped with an auto-pulse cleaning system, quick access points for filter changes, and the industry's highest rated HEPA filters, this dust collector is built for your toughest jobs.

- A. 4 anti-static, polyester cartridge filters help reduce clogging when picking up high quantities of dust, while maintaining minimal operating cost
- B. HEPA filter guarantees filtration of the smallest particles
- C. Continuous auto pulse cleaning system features an integrated compressor, controlled by an internal timer, cleans each cartridge intermittently
- D. Longopac bagging system collects dust and debris in a continuous bag, ensuring easy disposal of material
- E. The machine features sturdy steel construction and pivoting wheels with a braking system for optimal safety and maneuverability
- F. All components of the dust collector are protected by the frame
- G. Blower operates with minimal noise
- H. Convenient side access allows for quick filter changes

DL7000 Specifications

Width	35.4"	90 cm
Height	60"	153 cm
Length	64.5"	164 cm
Weight	815lbs	370 kg
Voltage	480	460
Phase	3	
Hz	60	
Vacuum Pressure	24" H ₂ O	61 cm H ₂ O
Air Movement	941 CFM	1,600 m ³ /hr
Filter Area	72 ft sq (primary) 26 ft sq (HEPA)	22 meters squared (primary) 8 meters squared (HEPA)
Filter Efficiency	99.995@.18 micron	
Inlet	5.9"	15 cm

DUST COLLECTOR ACCESSORIES

VACUUM SPLITTER

Allows two machines to operate from one vacuum if CFM rating is high enough.

- 80039: Works with 8274-4
- 402516: Splitter for DL3000
- 405055: Splitter for DL2000

FILTERS

- RU-30091: Replacement filter
- 402037: HEPA filter
- 3482-306000002: Replacement filter (3482)
- 402484: Switch for DL1000 & DL2000
- 402483: Switch for DL3000

TEFLON-COATED FILTERS

Washable with soapy water; when they are dry, they can be reused. Excellent for moisture remediation and accidental water intake.

- 402495: For the DL1000 and DL2000
- 402470: For the DL3000

OTHER ACCESSORIES

- 3477-201000590: 2.5-inch to 3-inch connector
- 3476-1376013: Longopac bagging system
- 3482-50: Dust collection hose 5" x 50' (3482)

CARPET PULLERS

Heavy-duty carpet removal machines work on any type of direct-glued-down carpet, over any type of floor surface.

For the most updated information, please refer to our website, nationalequipment.com

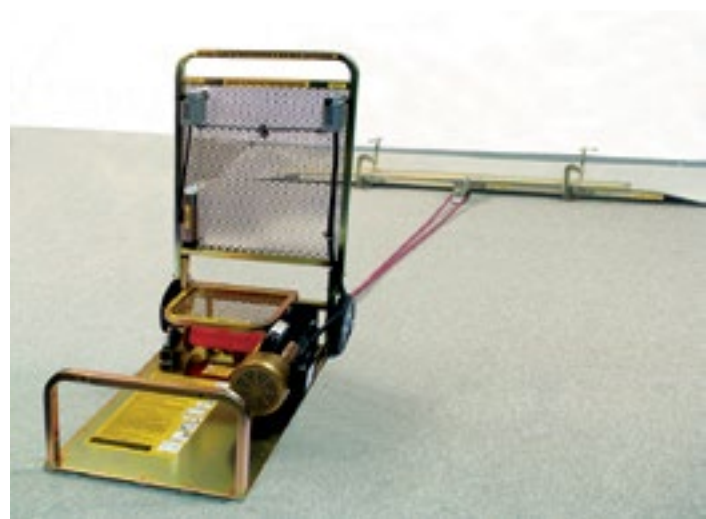
71 POWERED CARPET PULLER



Features

This heavy-duty machine automatically locks into any existing direct-glued-down carpet and works over any type of floor surface. It is quieter than a floor scraper machine, can withstand the abuse of day-in/day-out commercial use, and is easy to use on any jobsite.

- A.** One-person operation; recognized by insurance companies to reduce workers compensation
- B.** Sets up to pull carpet in seconds, reducing labor costs; quick shaft disengagement for fast re-hooking
- C.** High-polymer, low-stretch cord for safer winch application (no cable)
- D.** Strongest pull bars in the industry; shark-toothed base gripper teeth for super holding power on flat carpet



71 Specifications

Width	29.5"	75 cm
Height	42" with screen 10" when screen is folded	107 cm with screen 25 cm when screen is folded
Length	34"	86 cm
Weight	185 lb	83.9 kg
Speed	15-22 ft/min	4.6-6.7 m/min
HP	1	0.745 kW
Voltage	115/230	

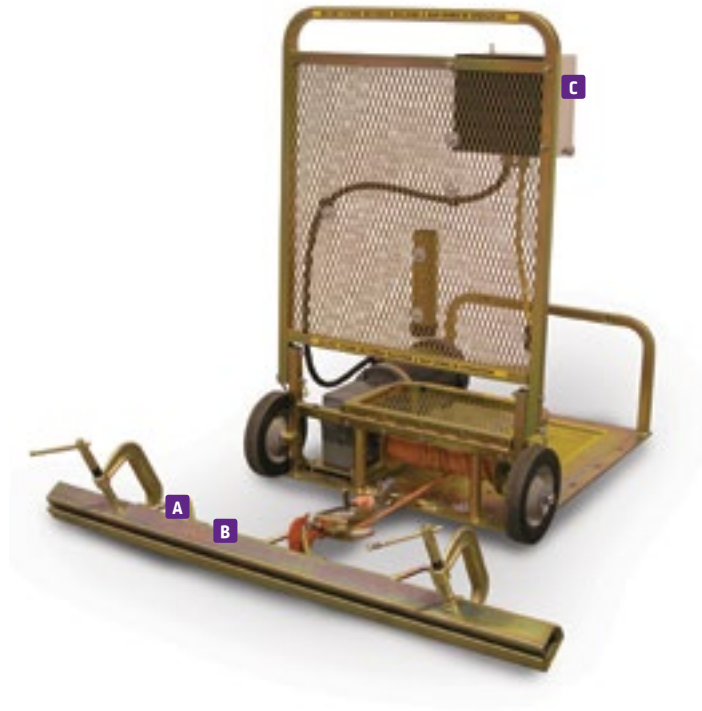
Included with the 71

- 71-2: 46-inch pull bar
- Instruction manual

Accessories

- 71-1: 1-foot optional pull bar
- 71-P33: Replacement puller rope (3/8-inch diameter x 50 feet)
- 71-P8: Replacement gripper strip (5 strips required per base)

72 HIGH-POWERED CARPET PULLER



Features

The 71 and 72 carpet pullers offer patented technology and are recognized by insurance companies to reduce workers compensation.

- A. Pulls carpet up to 12 feet wide at one time; in most cases goods are reusable for relay or sale
- B. Slow start for greater control; reduces likelihood of tripping circuit breakers; integrated control switches; troubleshoots most electrical problems with LCD default display
- C. Strongest pull bars in the industry



Included with the 72

- 71-2: 46-inch pull bar
- Instruction manual

Accessories

- 71-1: 1-foot optional pull bar
- 71-P33: Replacement puller rope (3/8-inch diameter x 50 feet)
- 71-P8: Replacement gripper strip (5 strips required per base)

72 Specifications

Width	29.5"	75 cm
Height	42" with screen 10" when screen is folded	107 cm with screen 25 cm when screen is folded
Length	34"	86 cm
Weight	190 lb	86.2 kg
Speed	up to 30 ft/min	up to 9.1 m/min
HP	1.5	1.1 kW
Voltage	115/230	

A dark, textured mat, likely made of rubber or a similar material, is the central focus. It features embossed text in a rectangular frame. The text reads "NATIONAL EQUIPMENT" on the first line, "FLOORING" on the second line, and "EQUIPMENT" on the third line. Below the frame, it says "MADE IN AMERICA SINCE 1962". In the background, a control panel with several knobs and a lever is visible, suggesting the mat is part of a piece of industrial or construction equipment.

SAFETY

MADE IN AMERICA SINCE 1962

For the most updated information, please refer to our website, nationalequipment.com

SAFETY

Safety

6254 INDUSTRIAL HEAVY-DUTY EXTENSION CORD

This 12/3, 50-foot all-weather cord works with up to 125 volts, 15 amps, and 1,875 watts. UL-listed and meets OSHA-approved requirements.



6254

7260

50-foot, 10-gauge cord. 230-volt, 30-amp single phase.



1009

1009 SAFETY GLASSES

Large frame, flat-fold side shields, clear lens, and ANSI certified.



Made in America Since 1968

Industry-leading products proud to be
MADE IN AMERICA SINCE 1968

Nationalequipment.com

Toll-Free: 800.245.0267 | Local: 763.315.5300 | Fax: 800.648.7124

9250 Xylon Ave N
Minneapolis, MN 55445

8810 W 116th, Unit B
Broomfield, CO 80021

6th Floor, 2 Grand Canal Square
Dublin 2

© 2018 by National Flooring Equipment, Inc.