



**NATIONAL
FLOORING
EQUIPMENT**

Made in America Since 1968



2022
CATALOG

Dear Friends and Partners,

Welcome to this brave new world we are living in. Just like the 1920's, we are experiencing incredible global change and growth this year. Growing pains always come along with growth. The whole world is dealing with supply chain, shipping, and manufacturing issues... we at National like to call them opportunities.

I am pleased to present the 2022 National Flooring Equipment catalog and solutions offering.

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. Next, we at National are grateful for our families, our coworkers, and our customers. We stand loyal to our people, and believe in the passion's of work, ingenuity, and community.

As you read through the 2022 catalog and product offering, please take note of our current line of exceptional surface preparation solutions, as well as some truly innovative 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.

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 more than 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 Customer Service Team, or consult with your Regional 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 world!

This year our focus is on health. Health is paramount to our organization, and our relationships. Physical Health, Mental Health, and Financial Health makes up our health campaign. This campaign is not only something we are embracing within our walls, but also an important discussion that we want to engage in with our partners. We love spending time with our partners and customers. We want to support you in your endeavors and business goals. Our promise is to always be where you are, working for you, building a future for all of us.

We should all be focused on the future, learn from the past, and cherish the time we have.

Derek



Derek Olson
President & CEO
National Flooring Equipment

**For fast service on
National Flooring Equipment
products, contact:**

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SURFACE PREPARATION SOLUTIONS

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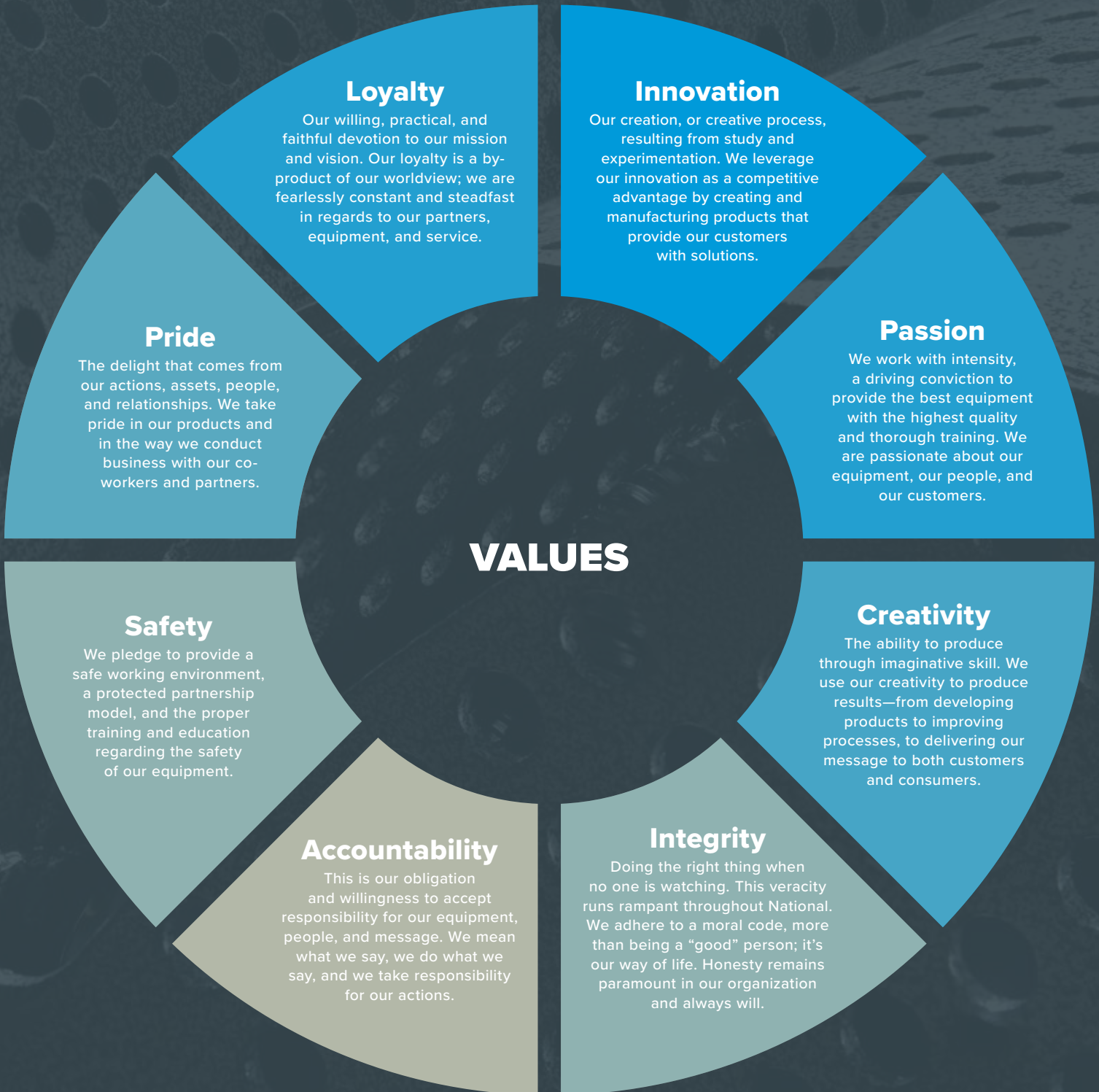
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MISSION

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.



VIKING®





VIKING® Specifications

| | | |
|---------------|-----------------------------|-----------|
| Width | 57.9" | 147 cm |
| Length | 122.5" | 311 cm |
| Height | 93.3" | 237 cm |
| Weight | 5,700 lbs. | 2,586 kg |
| Power | 49.5 HP Turbo Diesel Kubota | |
| Fuel Capacity | 18 gallons | 68 liters |
| Alternator | 90 amps | |



FEATURES

- A.** Dual windshields for increased workspace visibility
- B.** Use one, two, or three tooling holders to set the Viking® up for any jobsite
- C.** Features National's patented Dual-Lift technology for infinite blade adjustments from the safety of the cab
- D.** The positive-pressure, noise-dampening cab has been designed to meet Roll-Over Protection and Falling Object Protection Certifications (ISO 3471 & ISO 3499)
- E.** Extensive safety lighting includes forward- and rear-facing LED lights, red safety curtain, orange operator indication, green operation indication, and a blue safety arrow light
- F.** 2-Speed cab fan for increased airflow under warm conditions
- G.** Interior, red, night light illuminates the cab without glare when working in dark conditions
- H.** Climate controlled cab offers heat and air conditioning to ensure comfort during long days
- I.** Phone mount and USB outlet keeps your device charged and in close proximity
- J.** Cup holder ensures secure storage of your beverage around electrical components
- K.** Power and engine control interface for intuitive functionality
- L.** Emergency engine shut-off button
- M.** Rear-view camera display brings another level of safety to your jobsite and workers
- N.** Easy-to-use joystick controls offer precise handling and blade adjustment
- O.** Fully adjustable seat features reclining back, forward and back sliding adjustment, adjustable arm rests, and a seat belt



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 expectations and set unmatched standards for removal rates, durability, and safety.



**ELECTRIC
POWER**



**BATTERY
POWER**



**PROPANE
POWER**

FLOOR SCRAPERS

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

TROLLEY

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.

TROLLEY : fits Hilti TE1000 and Hilti TE1500 and Bosch 11335K



Trolley Specifications

| | | |
|--------|-------|----------|
| Width | 19" | 48 cm |
| Height | 44" | 111.8 cm |
| Length | 24" | 61 cm |
| Weight | 99 lb | 45 kg |

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



SAFETY

A. Safety emergency switch

PERFORMANCE

B. Specially designed shock absorbing grips for increased operator comfort

C. Easy-to-reach knob for quick adjustments of the operator's handle

COMFORT

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



550

WALK-BEHIND SCRAPER

550-HER, 550-SUN



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 decibel ratings under industry and safety standards, this machine is a must-have.

550 Specifications

| | | |
|-------------------------|----------|---------|
| Power Supply | Electric | |
| 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 | 1425 |
| Voltage | 115 | 230 |
| Frequency | 60 Hz | 50 Hz |
| HP | 1 | .746 kW |
| Amps (full load) | 14 | 7 |
| Noise Emission | 73 dB | |

SAFETY

A. Kickplate/footbar provides additional leverage to glide through material and reduce back stress

PERFORMANCE

B. Adjustable height and removable handle; easily condenses for transport in any size vehicle

COMFORT

C. Angle-adjustment wheel changes pitch of the blade in seconds

D. 1 HP motor with industrial-grade shaft has powerful torque for removing tough applications

E. Removable front weight provides additional down pressure and facilitates easy loading/unloading

F. 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
- Chewing gum
- Indoor/outdoor felt
- Ice
- Accumulated grime
- Paint from floors
- Rubber and vinyl tile
- Roofing

INCLUDED WITH THE 550

- 551 Angle Shank Holder
- 552 2" x 4" Angle Shank
- Kit 5170 includes :
 - 147 4" x 6" blade
 - 6285 3" x 6" Heavy-duty blade
 - 7050-202 3" x 10" Premium High Tempered Blade
- 6265-BD 90° Self-Scoring Blade 3" x 8" x .094"
- 5280-137W: 6mm T-Handle Wrench
- Operating and Service Manuals
- 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



5280

WALK-BEHIND SCRAPER

5280-HER



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.

5280 Specifications

| | | |
|-----------------------|------------------------------|----------------------------------|
| Power Supply | Electric | |
| Width | 17" | 43 cm |
| Height | 39" | 99 cm |
| Length | 27" | 69 cm |
| Weight | 263 lbs | 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 Hz | 50 Hz |
| HP | 1 | .746 kW |
| Amps (full load) | 12 | 6.7 |
| Noise Emissions | 77 dB | |

Meets the requirements of the Machine Directive 2006/42/EC and EMC Directive 2004/18/EC. It is CE marked.

SAFETY

A. Tie-down/lifting bail

PERFORMANCE

B. Forward self-propelled control

COMFORT

C. Variable speed, 12 to 50 feet per minute

D. Self-contained, limited-maintenance hydraulic fluid

E. Removable 49-pound saddle weight helps increase or decrease down pressure and traction

F. Orbital 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

- Kit 5173 includes:
 - 148 5" x 6" blade
 - 6258-BU 3" x 12" self-scoring blade
 - 6286 3" x 10" heavy-duty blade
 - 7050-200 3" x 6" premium high-tempered blade
- 7050-202 3" x 10" premium high-tempered blade
- 5280-137W: 6mm T-handle wrench
- Operating and Service Manuals
- 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-HER, 6280-SUN



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.

6280 Specifications

| | | |
|------------------------|----------------------------|--------------------------------|
| Power Supply | Electric | |
| 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 Hz | 50 Hz |
| HP | 1.5 | 1.12 kW |
| Amps (full load) | 13 | 7.5 |
| Noise Emission | 79 dB | |

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

SAFETY

- A.** Front-weight design better deflects loose material away from machine during use
- B.** Tie-down/lifting bail

COMFORT

- C.** Ergonomically designed, adjustable-position hand grips; hydraulic self-propelled forward and reverse; variable speed, 10 to 45 feet per minute; manual drive system for throttle/speed control and smooth transitions.
- D.** Six handle positions for work under counters and other confined areas; collapses to save space during transport and storage.

PERFORMANCE

- E.** Secure-mount side slide weights adjust head pressure; slide the weights back to increase weight over drive wheels.
- F.** Adjustable, self-cleaning, industrial-grade, siped wheels for improved traction over smooth or slippery surfaces; clip-pin removal allows for easy nonpowered maneuvering
- G.** Motor equipped with thermal-overload-protection circuit breaker that protects against strain or electrical overload
- H.** Orbital action rotates the cutting blade to cut through a range of materials over various substrates; extends life cycle of machine while reducing maintenance costs
- I.** Transport-wheel rack hanger on back of handle
- J.** Adjustable wheel scrapers prevent material buildup during operation

INCLUDED WITH THE 6280

- 6280-299 front wheel assembly
- Kit 5173 includes:
 - 148 5" x 6" blade
 - 6258-BU 3" x 12" self-scoring blade
 - 6286 3" x 10" heavy-duty blade
 - 7050-200 3" x 6" premium high-tempered blade
 - 7050-202 3" x 10" premium high-tempered blade
- 5280-137W 6mm T-handle wrench
- Operating and Service Manuals
- 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-HER, 6280HD-SUN



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.

6280HD Specifications

| | | |
|------------------------|----------------------------|--------------------------------|
| Power Supply | Electric | |
| Width | 17.75" | 45 cm |
| Max. Height | 46.75" | 119 cm |
| Height (handle folded) | 30" | 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 | 1425 |
| Voltage | 115 | 230 |
| Frequency | 60 Hz | 50 Hz |
| HP | 1.5 | 1.12 kW |
| Amps (full load) | 14.7 | 10.5 |
| Noise Emission | 77 dB | |

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

SAFETY

- A.** Rounded front-weight design better deflects loose material away from machine during use
- B.** Tie down/lifting bails

COMFORT

- C.** Ergonomically designed, adjustable-position hand grips; hydraulic self-propelled forward and reverse; variable speed, 10 to 30 feet per minute; optional manual drive with removal of drive pins; system for throttle/speed control and smooth transitions
- D.** Six handle positions for work under racks and in other confined areas; collapses to save space during transport and storage

PERFORMANCE

- E.** Self-contained, limited-maintenance hydraulic fluid
- F.** 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
- 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.** Orbital 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.** Design incorporates nine isolators for the toughest jobs

INCLUDED WITH THE 6280HD

- 6280HD-250 Transport Wheel Assembly 6280HD
- Kit 5174 includes :
 - 6258-BU: 90 degree, 3" x 12" self scoring, bevel up
 - 6265-BD: 90 degree, 3" x 8" self-scoring, bevel down
 - 6276-BU: 45 degree, 3" x 10" self-scoring, bevel up
 - 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
 - 7280-12: 12" cutting head
 - 7280-2C: 30-degree angle attachment
 - 7280-4: retainer cap assembly
 - 7280-6: 6" cutting head
 - 7281-1: 1" x 6" angle shank w/ carbide shank
- Instruction manual
- One-year manufacturer's warranty on parts and labor



4230

RIDE-ON SCRAPER

The 4230 is an electric ride-on floor scraper, specifically designed for our European customers. With no belts or gears, this scraper boasts low maintenance costs while maximizing production, maneuverability, and ease of transport.

4230 Specifications

| | | |
|-----------------------|-------------------|------------------|
| Power Supply | Electric | |
| Width | 24.5" | 62.2 cm |
| Height | 49" | 124.5 cm |
| Length | 63" | 160 cm |
| Weight | 1,543 lb | 699.9 kg |
| Removable Weight | 455 lb | 206.4kg |
| Weight (machine only) | 1,088 lb | 493.5 kg |
| Speed | up to 71 ft/min | up to 21.6 m/min |
| Voltage | 230 V | |
| Frequency | 50 Hz | |
| HP | (2) 1.5 HP motors | |



SAFETY

- A.** Automatic kill switch is triggered when the operator seat is vacant
- B.** Larger/deepened forklift pockets
- C.** E-stop switch for safety

COMFORT

- D.** Ergonomic design includes movable foot pegs and padded seat that allows for optimal operator comfort and the best possible line of sight

PERFORMANCE

- E.** Precise hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- F.** Quick-change swivel head
- G.** Extra weight compartments
- H.** Nonmarking tires
- I.** Front caster wheels allow increased maneuverability in tight spaces
- J.** Work light for improved jobsite visibility

INCLUDED WITH THE 4230

- 5110-100: Transport Wheels
- Kit 5175 includes:
 - 6277-BU: 45 degree, 3" x 12" self-scoring, bevel up
 - 6284: 3" x 12" heavy-duty blade

- 6285: 3" x 6" heavy-duty blade
- 6286: 3" x 12" heavy-duty blade
- 7050-12: 12" cutting head
- 7050-6: 6" cutting head

- 7079-2: 2" x 6" angle shank w/ carbide tip
- 402929: 3/4 x 1-1/8 Wrench
- Operating and Service Manuals



5110

RIDE-ON SCRAPER



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.

| 5110 Specifications | | |
|-----------------------|------------------|------------------|
| Power Supply | Electric | |
| Width | 24.5" | 62.23 cm |
| Height | 49" | 124.46 cm |
| Max Height | 56" | 142 cm |
| Length | 63" | 160 cm |
| Weight | 1,418 lb | 643.2 kg |
| Removable Weight | 455 lb | 206.4 kg |
| Weight (machine only) | 963 lb | 436.8 kg |
| Speed | up to 113 ft/min | up to 34.4 m/min |
| Voltage | 115 | |
| Frequency | 60 Hz | |
| HP | 3 (2x1.5) | |

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

SAFETY

- A.** Automatic kill switch is triggered when the operator seat is vacant
- B.** Larger/deepened forklift pockets
- C.** E-stop switch for safety

COMFORT

- D.** Ergonomic design includes movable foot pegs and padded seat that allows for optimal operator comfort and the best possible line of sight

PERFORMANCE

- E.** Precise hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- F.** Quick-change swivel head
- G.** Extra weight compartments
- H.** Nonmarking tires
- I.** Front debris deflector protects machine from loose material
- J.** Front caster wheels allow increased maneuverability in tight spaces

INCLUDED WITH THE 5110

- 5110-100: Transport Wheels
- 402929: 3/4 x 1-1/8 Wrench
- 6254 (2): 50ft extension cords
- Operating and Service Manuals

- Kit 5175 includes:
 - 6277-BU: 45 degree, 3" x 12" self-scoring, bevel up
 - 6284: 3" x 12" heavy-duty blade
 - 6285: 3" x 6" heavy-duty blade
 - 6286: 3" x 12" heavy-duty blade

- 7050-12: 12" cutting head
- 7050-6: 6" cutting head
- 7079-2: 2" x 6" angle shank w/ carbide tip
- Operating and Service manuals
- One-year manufacturer's warranty on parts and labor



2900

RIDE-ON SCRAPER

2900DL



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.

2900 Specifications

| Power Supply | Battery | |
|-----------------------|------------------|------------------|
| Width* | 24.5" | 62 cm |
| Height | 46.5" | 126 cm |
| Length* | 55" | 140 cm |
| Weight | 1,728 lb | 783.8 kg |
| Removable Weight | 260 lb | 117.9 kg |
| Weight (machine only) | 1,468 lb | 665.9 kg |
| Speed | up to 160 ft/min | up to 48.8 m/min |
| Voltage | 115 | 230 |
| Frequency | 60 Hz | 50Hz |

2900DL Specifications

| | | |
|-----------------------|----------|----------|
| Length* | 60" | 152.4 cm |
| Weight | 1,863 lb | 845 kg |
| Removable Weight | 260 lb | 117.9 kg |
| Weight (machine only) | 1,603 lb | 727.1 kg |

The 2900 is available with or without the Dual Lift. The Dual Lift feature adds operator controls for adjusting blade pitch and angle while remaining seated.

SAFETY

- A.** Automatic kill switch is triggered when the operator seat is vacant
- B.** E-stop knob for safety
- C.** Larger/deepened forklift pockets
- D.** Flip-up hood system for easy-access maintenance

COMFORT

- E.** Ergonomic design includes movable foot pegs, taller handle, and padded seat that allows for optimal operator comfort and the best possible line of sight

PERFORMANCE

- F.** Hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- G.** Quick-change swivel head
- H.** Optional dual-lift, hydraulic slide plate adjusts blade pitch and angle for continuous contact with the floor
- I.** Nonmarking tires
- J.** AGM (Absorbed Glass Mat) batteries provide 100 percent power, speed, and torque for 90 percent of the batteries' run cycle
- K.** Compact design fits through standard door frames and elevator doors
- L.** Front debris deflector protects machine from loose material
- M.** Front caster wheels allow increased maneuverability in tight spaces

INCLUDED WITH THE 2900

- 5110-100: Transport wheels
- 402929: 3/4 x 1-1/8 Wrench
- 73507-1: 7ft extension cord
- Operating and Service Manuals
- Kit 5176 include:
 - 6260-BD: 90 degree, 3" x 6" self-scoring, bevel down
 - 6277-BU: 45 degree, 3" x 12" self-scoring, bevel up
 - 6284: 3" x 12" heavy-duty blade
 - 6285: 3" x 6" heavy-duty blade
- 6286: 3" x 10" heavy-duty blade
- 7050-10: 10" cutting head
- 7050-12: 12" cutting head
- 7050-6: 6" cutting head
- One-year manufacturer's warranty on parts and labor



5200QL

RIDE-ON SCRAPER

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.



5200QL Specifications

| | | |
|-----------------------|------------------|------------------|
| Power Supply | Battery, 48V | |
| Width* | 24.75" | 63 cm |
| Height | 46.5" | 119 cm |
| Length* | 57" | 145 cm |
| Weight | 1,898 lb | 860.9 kg |
| Removable Weight | 455 lbs | 206.4 |
| Weight (machine only) | 1,44. lb | 654.5 kg |
| Speed | up to 120 ft/min | up to 36.6 m/min |
| Voltage | 115 | 100V |
| Frequency | 60 Hz | 50/60 Hz |

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.

SAFETY

- A.** Automatic kill switch triggered when the operator seat is vacant.
- B.** E-stop knob for safety

COMFORT

- C.** Ergonomic design includes movable foot pegs and padded seat that allows for optimal operator comfort and the best possible line of sight.

PERFORMANCE

- D.** Precise hydraulic steering for maneuvering in tight spaces, zero turn radius
- E.** Quick-change swivel head
- F.** Extra weight compartments
- G.** Larger/deepened forklift pockets
- H.** Nonmarking tires
- I.** Trailer hitch
- J.** Flip-up back lid for quick and easy battery changing
- K.** Front debris deflector protects machine from loose material
- L.** Front caster wheels allow increased maneuverability in tight spaces

INCLUDED WITH THE 5200QL

- 5110-100: Transport Wheels
- 402929: 3/4 x 1-1/8 Wrench
- 5200QL-500: Quick-load battery cart
- Operating and Service Manuals

- Kit 5175 includes:
- 6277-BU: 45 degree, 3" x 12" self-scoring, bevel up
- 6284: 3" x 12" heavy-duty blade
- 6285: 3" x 6" heavy-duty blade
- 6286: 3" x 10" heavy-duty blade

- 7050-12: 12" cutting head
- 7050-6: 6" cutting head
- 7079-2: 2" x 6" angle shank w/ carbide tip
- One-year manufacturer's warranty on parts and labor



5000

RIDE-ON SCRAPER

5000DL

The 5000 is a compact, ride-on floor scraper designed with a low-profile frame that increases ease of transport and maneuverability on the job.



5000 Specifications

| | | |
|-----------------------|------------------|------------------|
| Power Supply | Battery 48V | |
| Width* | 24.5" | 62 cm |
| Height* | 48" | 121.9 cm |
| Length* | 63" | 160 cm |
| Weight* | 2,103 lb | 953.9 kg |
| Removable Weight | 455 lb | 206.4 kg |
| Weight (Machine Only) | 1,648 lb | 747.5 kg |
| Speed | up to 160 ft/min | up to 48.8 m/min |
| Voltage & Frequency | 115V/60Hz | 230V/50Hz |

SAFETY

- A.** E-stop knob for on-the-job safety
- B.** Auto-stop feature kills machine when operator is not in seat

COMFORT

- C.** Adjustable arm rests, seat and foot pegs for a balanced, comfortable ride

PERFORMANCE

- D.** Front debris deflector protects the machine from loose material
- E.** Dual-lift hydraulic slide plate adjusts blade pitch and angle for continuous contact with the floor

- F.** Six AGM (Absorbed Glass Mat) 200-amp batteries
- G.** Quick-change swivel head blade holder
- H.** Precise hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- I.** Compact design fits through door frames and elevator doors; removing the weights allows the 5000 to meet the maximum standard elevator weight restrictions
- J.** LED light for increased visibility on the jobsite
- K.** IEC 320 - universal plug allows replacement charger cords to be supplied from any country

INCLUDED WITH THE 5000

- 5110-100: Transport Wheels
- 402929: 3/4 x 1-1/8 Wrench
- Operating and Service Manuals
- Kit 5176 includes:
 - 6260-BD: 90 degree, 3" x 6" self-scoring, bevel down
 - 6277-BU: 45 degree, 3" x 12" self-scoring, bevel up
 - 6284: 3" x 12" heavy-duty blade
 - 6285 : 3" x 6" heavy-duty blade
 - 6286 : 3" x 10" heavy-duty blade
 - 7050-10: 10" cutting head
 - 7050-12: 12" cutting head
 - 7050-6: 6" cutting head
- One-year manufacturer's warranty on parts and labor



5700

RIDE-ON SCRAPER

5700-HER, 5700-SUN, 5700DL-HER, 5700DL, 5700HS



| 5700 Specifications | | |
|-----------------------|---------------------------------------|---------------------------------------|
| Power Supply | Battery | |
| Width* | 24.5" | 62 cm |
| Height | 50" | 127 cm |
| Length* | 58" | 147.32 cm |
| Weight | 2,273 lb | 1,031 kg |
| Removable Weight | 185 lb front | 83.9 kg front |
| Weight (machine only) | 2,088 lb | 947.1 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 Hz | 50 Hz |

| 5700DL Specifications | | |
|-----------------------|--------------|---------------|
| Length* | 63" | 160 cm |
| Weight | 2,383 lb | 1,080.9 kg |
| Removable Weight | 185 lb front | 83.9 kg front |
| Weight (machine only) | 2,198 lb | 997 kg |

Special Note: the 5700 can be ordered with lifting arms, to make jobsite maneuvering easier.

5700 is available with or without the Dual Lift. The Dual Lift feature adds operator controls for adjusting blade pitch and angle while remaining seated.

SAFETY

- A.** Automatic kill switch is triggered when the operator seat is vacant
- B.** Larger/deepened forklift pockets
- C.** E-stop knob for safety
- D.** Debris deflector protects machine from loose material

COMFORT

- E.** Ergonomic design includes movable foot pegs, taller handles, and an adjustable seat
- F.** Hinged hood system for easy access maintenance

PERFORMANCE

- G.** Precise hydraulic steering for maneuvering in tight spaces, zero turn radius
- H.** Quick-change swivel head blade holder
- I.** Optional dual-lift, hydraulic slide plate adjusts blade pitch and angle for continuous contact with the floor
- J.** Nonmarking tires
- K.** Twelve AGM 180-amp hour batteries provide 100 percent power, speed, and torque for 90 percent of the batteries' run cycle
- L.** Compact design fits through standard door frames and elevator doors
- M.** Front caster wheels allow increased maneuverability in tight spaces
- N.** LED light for increased visibility

INCLUDED WITH THE 5700

- 5110-100: Transport Wheels
- 402929: 3/4 x 1-1/8 Wrench
- 73507-1: 7 ft extension cord
- Operating and Service Manuals

- Kit 5175 includes:
 - 6277-BU: 45 degree, 3" x 12" self-scoring, bevel up
 - 6284: 3" x 12" heavy-duty blade
 - 6285: 3" x 6" heavy-duty blade
 - 6286: 3" x 12" heavy-duty blade

- 7050-12: 12" cutting head
- 7050-6: 6" cutting head
- 7079-2: 2" x 6" angle shank w/ carbide tip
- One-year manufacturer's warranty on parts and labor



7700

RIDE-ON SCRAPER

7700-HER, 7700-SUN



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.

| 7700 Specifications | | |
|-----------------------|------------------|----------------|
| Power Supply | Battery | |
| Width* | 29.5" | 74.93 cm |
| Height | 50" | 127 cm |
| Length* | 63" | 160 cm |
| Weight | 2,733 lb | 1,239.7 kg |
| Removable Weight | 185 lb front | 83.9 kg front |
| Weight (machine only) | 2,548 lb | 1,155.8 kg |
| Speed | up to 200 ft/min | up to 61 m/min |
| Voltage | 115 | 230 |
| Frequency | 60 Hz | 50 Hz |

SAFETY

- A.** Automatic kill switch is triggered when the operator seat is vacant
- B.** E-stop knob for safety
- C.** Larger/deepened forklift pockets
- D.** Front debris deflector protects machine from loose material

COMFORT

- E.** Ergonomic design includes movable footpegs, taller handles, and an adjustable seat that allows for optimal operator comfort and the best possible line of sight.
- F.** Hinged hood system for easy-access maintenance

PERFORMANCE

- G.** Precise hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- H.** Quick-change swivel head blade holder
- I.** Dual-lift, hydraulic slide plate adjusts blade pitch and angle for continuous contact with the floor; standard on the 7700
- J.** Nonmarking tires
- K.** AGM (Absorbed Glass Mat) batteries provide 100 percent power, speed, and torque for 90 percent of the batteries' run cycle
- L.** Compact design fits through standard door frames and elevator doors
- M.** Heavy-duty 3000 PSI wheel motors
- N.** Front caster wheels allow increased maneuverability in tight spaces
- O.** LED light for increased visibility on the jobsite

INCLUDED WITH THE 7700

- 5110-100: Transport Wheels
- 402929: 3/4 x 1-1/8 Wrench
- 73507-1: 7ft extension cord
- Operating and Service Manuals
- Kit 5175 includes:
 - 6277-BU: 45 degree, 3" x 12" self-scoring, bevel up
 - 6284: 3" x 12" heavy-duty blade
 - 6285: 3" x 6" heavy-duty blade
 - 6286: 3" x 10" heavy-duty blade
 - 7050-12: 12" cutting head
 - 7050-6: 6" cutting head
 - 7079-2: 2" x 6" angle shank w/ carbide tip
- One-year manufacturer's warranty on parts and labor



5625

RIDE-ON SCRAPER

5625DL, 5625-HER, 5625DL-HER, 5625-SUN



5625 Specifications

| | | |
|-----------------------|------------------|----------------|
| Power Supply | Propane | |
| Width* | 26" | 66 cm |
| Height | 51" | 129.5 cm |
| Length | 58" | 147 cm |
| Weight** | 1,868 lb | 847.3 kg |
| Removable Weight | 455 lbs | 206.4 kg |
| Weight (machine only) | 1,413 lb | 640.9 kg |
| Speed | up to 200 ft/min | up to 61 m/min |
| HP | 25 | 18.6 kW |

5625DL Specifications

| | | |
|-----------------------|----------|----------|
| Length* | 63" | 160 cm |
| Weight** | 1,968 lb | 892.7 kg |
| Removable weight | 455 lbs | 206.4 kg |
| Weight (machine only) | 1,513 lb | 686.3 kg |

The 5625 is available with or without the Dual Lift. The Dual Lift feature adds operator controls for adjusting blade pitch and angle while remaining seated.

SAFETY

- A.** Automatic kill switch is triggered when the operator seat is vacant
- B.** Liquid-cooled Kawasaki engine is engineered with National's exclusive catalytic design for the industry's lowest emissions
- C.** Front debris deflector protects machine from loose material

COMFORT

- D.** 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
- E.** Hinged hood system for easy-access maintenance

PERFORMANCE

- F.** Precise hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- G.** Quick-change swivel head blade holder
- H.** Optional dual-lift, hydraulic slide plate adjusts blade pitch and angle for continuous contact with the floor
- I.** Larger/deepened forklift pockets
- J.** Nonmarking tires
- K.** Compact design fits through standard door frames and elevator doors
- L.** Improved exhaust system meets federal OSHA regulations
- M.** Front caster wheels allow increased maneuverability in tight spaces
- N.** LED light for increased visibility on the jobsite

INCLUDED WITH THE 5625

- 5110-100: Transport Wheels
- 402929: 3/4 x 1-1/8 Wrench
- Operating and Service Manuals
- Kit 5175 includes:
 - 6277-BU: 45 degree, 3" x 12" self-scoring, bevel up
 - 6284: 3" x 12" heavy-duty blade
 - 6285: 3" x 6" heavy-duty blade
 - 6286: 3" x 10" heavy-duty blade
 - 7050-12: 12" cutting head
 - 7050-6: 6" cutting head
 - 7079-2: 2" x 6" angle shank w/ carbide tip
- 75008: Clip (2)
- One-year manufacturer's warranty on parts and labor
- 7050-P: Propane Tanks (1)
- 75007: CO detector (2)



8000

RIDE-ON SCRAPER

8000-HER, 8000-SUN



This 2,989-pound scraper rivals other manufacturers' heavier machines. Different from scrapers that are powered using a hydrostat driver 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.

8000 Specifications

| | | |
|-----------------------|------------------|----------------|
| Power Supply | Propane | |
| Width* | 30" | 76 cm |
| Height | 65.5" | 166 cm |
| Length | 63" | 160 cm |
| Weight** | 2,963 lb | 1344 kg |
| Removable Weight | 1,043 lb | 473.1 kg |
| Weight (machine only) | 1,920 lb | 870.9 kg |
| Speed | up to 200 ft/min | up to 61 m/min |
| HP | 25 | 18.6 kW |

SAFETY

- A.** Automatic kill switch is triggered when the operator seat is vacant
- B.** Larger/deepened forklift pockets
- C.** Liquid-cooled Kawasaki engine is re-engineered with National's exclusive catalytic design for the industry's lowest emissions
- D.** Front debris deflector protects machine from loose material

COMFORT

- E.** 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
- F.** Hinged hood system for easy-access maintenance

PERFORMANCE

- G.** Precise hydraulic steering for maneuvering in tight spaces, zero turn radius, and continuous torque for higher removal rates and greater productivity
- H.** Quick-change swivel head blade holder
- I.** Dual-lift, hydraulic slide plate adjusts blade pitch and angle for continuous contact with the floor; standard on every 8000; this also adds on additional 150+ pounds of down pressure on the cutting head
- J.** 21-inch nonmarking tires
- K.** Compact design fits through standard door frames and elevator doors
- L.** Hydraulic brake system automatically engages when the machine is in the off position
- M.** Front caster wheels allow increased maneuverability in tight spaces
- N.** Improved exhaust system meets federal OSHA regulations
- O.** LED light for increased visibility on the jobsite

INCLUDED WITH THE 8000

- 5110-100: Transport Wheels
- 402929: 3/4 x 1-1/8 Wrench
- Operating and Service Manuals
- Kit 5175 includes:
 - 6277-BU: 45 degree, 3" x 12" self-scoring, bevel up
 - 6284: 3" x 12" heavy-duty blade
 - 6285: 3" x 6" heavy-duty blade
 - 6286: 3" x 12" heavy-duty blade
 - 7050-12: 12" cutting head
 - 7050-6: 6" cutting head
 - 7079-2: 2" x 6" angle shank w/ carbide tip
- 74854: Weight, 37 pounds (10) (front)
- 400197: Weight, 28 pounds (9) (front)
- 402102: Weight, 84 pounds (4) (front)
- 5110-404: Weight, 75 pounds (1) (rear)
- 402139: Propane tanks (1)
- 75007: CO detector (2)
- 75008: Clip (2)
- 5700-88: Hour meter
- Instruction manual
- One-year manufacturer's warranty on parts and labor



Yellow hard hat

Blue plaid shirt

Blue jeans

Work boots

STAND CLEAR

5700

NFE

NATIONAL FLOORING EQUIPMENT

CAUTION

Part 1011 Part 1012

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: **4230, 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 1-1/2 replacement retaining pin secures cutting head assemblies
- 73422: Cutting Head Bolt

403228 HYDRAULIC SLIDE PLATE KIT



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 163 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

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



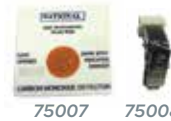
- Monitors the hours of usage
- Fits all National-brand ride-on machines.

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 level increases. 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.

75008 LAPEL CARBON MONOXIDE CLIP



5204 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

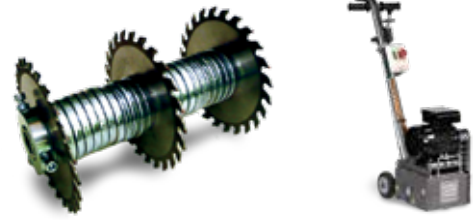
This battery pack runs to a deeper discharge than typical 75-amp hour battery packs and has the ability to take a rapid charge without affecting the cycle life.



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
- 404062: 48 V, 50 to 60 Hz, 100 V (for Japan Only)



WOOD-SCORING SCARIFIER DRUM

This wood scoring drum attaches to National's scarifiers. It is an 8" drum, with three or five 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.

- 402192: Drum with Three Blades
- 402191: Drum with Five Blades

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 .062 or .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**, **5280**, and **6280-COM** 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**

CUTTING HEADS FOR THE 6280HD GLADIATOR

- 7280-6: 6-inch cutting head
- 7280-10: 10-inch cutting head
- 7280-12: 12-inch cutting head
- 7280-14: 14-inch cutting head
- 7280-12RBH: Razor blade head

7280-2C ANGLE ATTACHMENT

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

402276

- 9 degree angle attachment

7280-4 RETAINER CAP ASSEMBLY

- Replacement assembly for **6280HD** shanks



Straight Shanks

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 |

Straight Shanks with Carbide Tip

These shanks work with a similar application variety as the 7070 shanks. 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 |

Wood Floor Shanks

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



| Part # | Dimensions |
|--------|------------|
| 7082-8 | 2.5" x 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 exchange tips and sharpen them later



| Part # | Includes |
|--------|--|
| 403112 | 2" Ultra HD shanks, 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 |

Angle Shanks

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 |

Angle Shank with Carbide Tip

These shanks are designed for ceramic removal and thin-set re-scraping. The 552 angle shank with carbide tip is designed for light-duty commercial- and residential-grade ceramic tile and hard good removal.



| 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 | |
| 7079-2 | 6" x 2" x .500" | | | | | X |
| 7079-4 | 6" x 4" x .500" | | | | | X |
| 7079-6 | 6" x 6" x .500" | | | | | X |

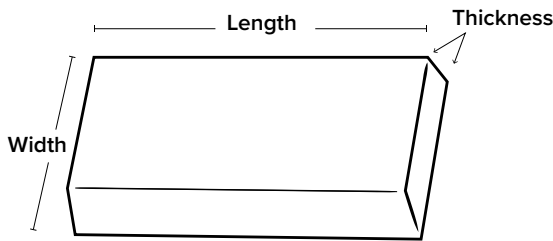
A 551 shank holder is required to attach the 552 shank to the 550 walk-behind scraper.

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 |



Guillotine Blades



| Part # | Dimensions (W x L x Thickness) | 550 | 5280 | 6280 | 6280HD | Ride-On |
|---------|-----------------------------------|-----|------|------|--------|---------|
| 6285-GT | 3.75" x 6" x .094" | X | X | X | X | X |
| 6284-GT | 3.75" x 12" x .094" | X | X | X | X | X |
| 6290-GT | 3.75" x 6" x .187" | | | | | X |
| 6292-GT | 3.75" x 12" x .187" | | | | | X |

1086 Blades

These Japanese-style blades are the ideal choice for challenging jobs.



| Part # | Dimensions (W x L x Thickness) | 550 | 5280 | 6280 | 6280HD | Ride-On |
|--------|-----------------------------------|-----|------|------|--------|---------|
| 401982 | 3" x 14" x .094" | X | X | X | X | X |
| 401983 | 3" x 27" x .094" | | | | | X |
| 401978 | 4" x 24" x .094" | | | | | X |
| 401980 | 4" x 27" x .094" | | | | | X |

Standard Blades

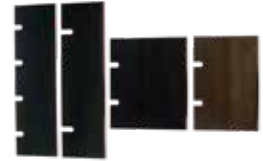


These heavy-duty blades are designed to remove soft goods, carpet, and vinyl flooring. Their .062" thickness offers flexibility to maximize the shear-point angle.

| 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

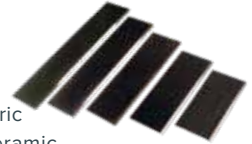
These slotted heavy-duty blades are designed to remove soft goods, carpet, and vinyl flooring.



| 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 | |

Heavy-Duty Blades

These heavy-duty blades 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

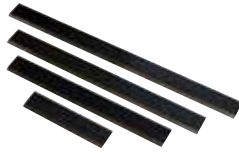
They work on VCT, VAT, tile, lighter ceramic, re-scraping thin-set, all carpets, cork, elastomeric coatings, and re-scraping rubber and urethane coatings.



| 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

Designed for VCT and adhesive re-scrape. They also work well for parking deck coatings, epoxy, and elastomeric coatings.



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

This blade requires a razor blade cutting head.

Razor/Scraper Blades

Designed for superhard thin epoxies, thin mil coatings (like urethane paint), poured elastomeric coatings up to 60 mil, and hard to remove adhesives.



| Part # | Dimensions (W x L x Thickness) | 550 | 5280 | 6280 | 6280HD | Ride-On |
|--------|-----------------------------------|-----|------|------|--------|---------|
| 363-2 | .750" x 8" x .032" | X | X | X | X | X |
| 368-8 | .937" x 8" x .045" | X | X | X | X | X |
| 368-12 | .937" x 12" x .045" | X | X | X | X | X |
| 368-15 | .937" x 15" x .045" | X | X | X | X | X |

Sold in packs of 50. This blade requires a razor blade cutting head

Increased Angle Blades

These blades are mainly used for VCT, but they can be used on most other applications.



| 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" .062" | X | X | X | X | |

Premium High-Tempered Blades

They work on all glued-down carpets, VCT, VAT, rubber tile, cork, and rescraping adhesive and elastomeric coatings.



| 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 |

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 | |

Self-Scoring Blades

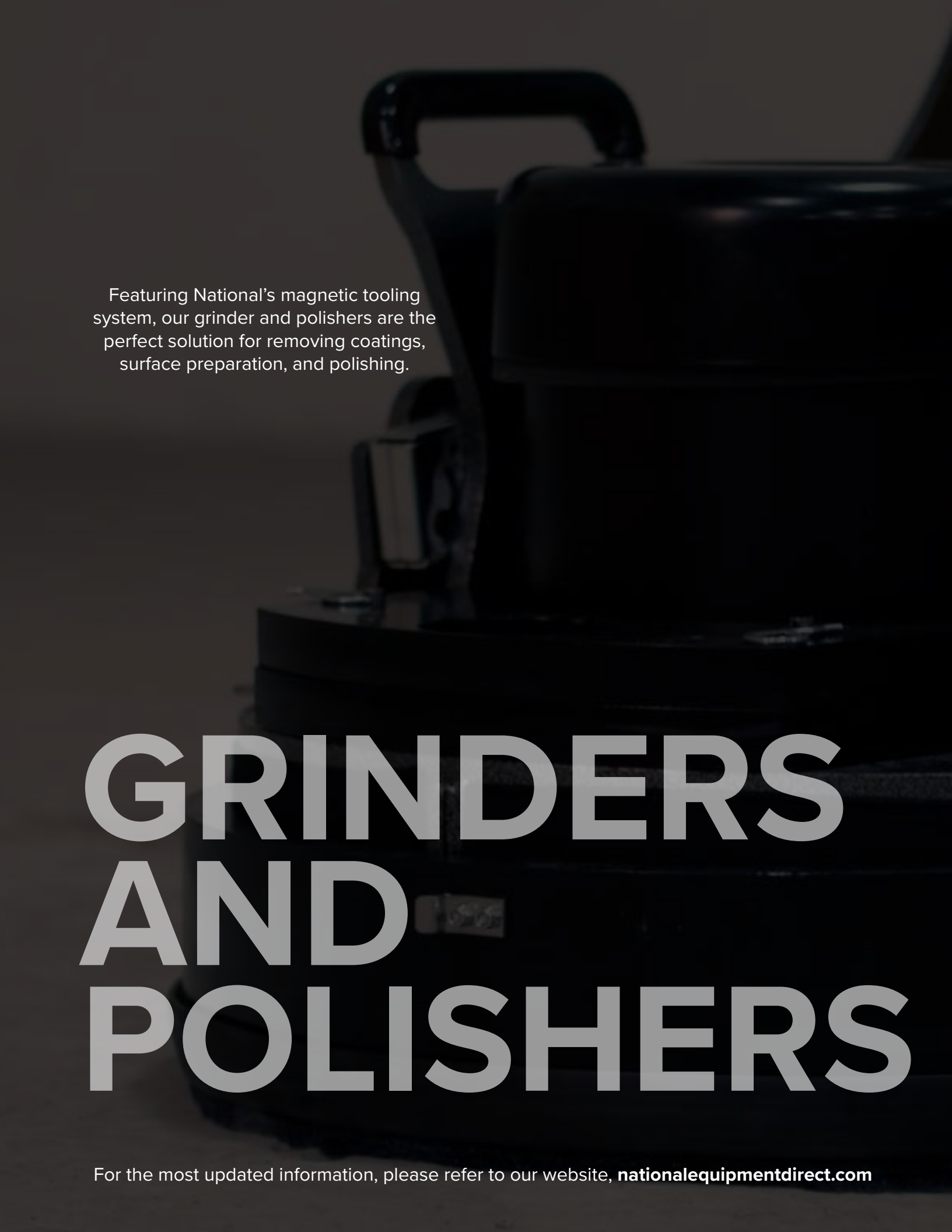
These angled self-scoring blades work on attached cushion, unitary or secondary backing, vinyl back, soft to medium PVC, linoleum, carpet tiles, soft cork, enhancer, and unibond hot melts.



| Part # | Description (W x L x Thickness) | 550 | 5280 | 6280 | 6280HD | Ride-On |
|-----------|---|-----|------|------|--------|---------|
| 6255-BU | : Blade, Self-scoring 90 degree, 4" x 6" x .062", BU | X | X | X | X | |
| 6257-BU | : Blade, Self-scoring 90 degree, 3" x 9" x .062", BU | X | X | | X | X |
| 6258-BU | : Blade, Self-scoring 90 degree, 3" x 12" x .062", BU | X | X | X | X | X |
| 6259-BU | : Blade, Self-scoring 90 degree, 3" x 14" x .062", BD | | X | X | X | X |
| 6260-BD | : Blade, Self-scoring 90 degree, 3" x 6" x .094, BD | | | | X | X |
| 6265-BD | : Blade, Self-scoring 90 degree, 3" x 8" x .094", BD | X | X | | X | X |
| 6266-BD | : Blade, Self-scoring 90 degree, 3" x 10" x .094", BD | X | X | | X | X |
| 6276-BU | : Blade, Self-scoring 45 degree, 3" x 10" x .094", BU | X | | | X | X |
| 6277-BU | : Blade, Self-scoring 45 degree, 3" x 12" x .094", BU | X | X | X | X | X |
| 6278-BU | : Blade, Self-scoring 45 degree, 3" x 14" x .094", BU | | X | X | X | X |
| 6279-BU | : Blade, Self-scoring 45 degree, 3" x 27" x .094", BU | | | | | X |
| 6247-BU | : Blade, Self-scoring 90 degree 4" x 10" x .094", BU | X | X | | X | X |
| 6249-BU | : Blade, Self-scoring 90 degree, 4" x 12" x .094", BU | X | X | X | X | X |
| 6248-BU | : Blade, Self-scoring, 90 degree, 4" x 24 x .094", BU | | | | | X |
| 6256-BU* | : Blade, Self-scoring, 90 degree, 4" x 6" x .062" x 4"h, BU | | X | | X | X |
| 6261-BU* | : Blade, Self-scoring 90 degree, 3" x 12" x .062" x 4"h, BU | X | | | | X |
| 6262-BU** | : Blade, Self-scoring 90 degree, 4" x 6" x .094 x 4"h, BU | | X | | X | X |
| 6264-BU** | : Blade, Self-scoring 90 degree, 3" x 12" x .094" x 4"h, BU | X | X | X | X | X |

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

** NEW, thicker self-scoring blades



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

GRINDERS AND POLISHERS

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

PASSIVE PLANETARY GRINDER

HELIX-HER, HELIX-SUN



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 has a built-in edge grinder, dual-speed operation, an adjustable handle, and a floating dust skirt for maximum efficiency.

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/Low Speed: 304/171 (120V/60 Hz) High/Low Speed: 291/164 (230V/50Hz) | |
| Motor RPM | High/Low Speed: 3339/1871 (120V/60 Hz) High/Low Speed: 3200/1800 (230V/50 Hz) | |
| Motor Phase | Single | |
| HP | 1.5 | |
| Amps | 120V/60 Hz 12 amps | 230V/50 Hz 6.3 amps |

SAFETY

- A.** Quick-release levers allow the machine to be separated into two pieces for easy transport
- B.** LED light illuminates the surface directly behind the machine

COMFORT

- C.** Fully adjustable handle accommodates a range of operating positions

PERFORMANCE

- D.** 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
- E.** Removable weights give the operator the freedom to increase or decrease head pressure when grinding
- F.** 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
- G.** Dual-speed motor increases the versatility of this machine; operating at high or low speed

INCLUDED WITH THE HELIX®

- 404021: Magnetic tooling holder (3)
- 9245 Velcro adapter (3 each)
- 403231 Floating dust skirt
- 402757: Helix Grind & Scraper Plate
- One-year manufacturer's warranty on parts and labor
- Operating and Service Manual

RECOMMENDED ACCESSORIES

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

We also recommend the 404580 Helix Scarifier Tooling for extra tough removals.



8274-4

PLANETARY GRINDER AND POLISHER

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. This machine is well suited for removal of thin-set, coatings, adhesive, prepping concrete for overlays or coatings, and polishing.

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 | 400-2000 | |
| Motor Phase | Single* | |
| 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



Magnetic tooling easily snaps into place

SAFETY

- A. Dual rear vacuum ports
- B. Removable handle and weights for easy transport

COMFORT

- C. Three-part adjustable angle handle

PERFORMANCE

- D. 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

- E. Forward and reverse directional controls increase tooling productivity with cleaner consumables and more even wear.
- F. Variable speed control
- G. Flip-style weights for added or decreased head pressure
- 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

INCLUDED WITH THE 8274-4

- 401882: Morflex couplers
- 9241 Quick-change magnetic-mount assembly: Three assemblies and three 73250 tooling holder mounting screws are required
- 73135: 5/32" Hex key
- 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 AND ACCESSORIES

PCDS AND CARBIDES

| 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 | Remove coatings, glue, thin set, and thin mastics |
| 9556 | 2-UP PCD- 1/2 ROUND | |
| 7268-2 | CARBIDES | Use to attach the above tooling to National Grinders |
| 9521 | CARBIDE & TOOLING HOLDER | |
| 9550 | SCREW | Use to attach tooling to the above holder |
| 9500 | BLANKS | |



METAL BOND DIAMONDS

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.

| 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 | Removes 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 |



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 prior to polishing concrete.

| 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

| 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 |



9267-50



9267-100



9267-200



9267-400



9267-800



9267-1500



9267-3000

ACCESSORIES

402757 HELIX® GRIND AND SCRAPE PLATE

The deluxe Helix Grind and Scraper 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 3 1/4-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



404580 HELIX SCARIFIER KIT



Includes:

- 3 satellites
- 1 dust skirt
- Washers
- All screws/washers needed for installation

73250 TOOLING HOLDER MOUNTING SCREW

73214 FLOATING ISOLATOR ASSEMBLY MOUNTING SCREW

401882 8274-4 MORFLEX COUPLER

73081 HELIX® SAFETY SCREW

73097 8274-4 SAFETY SCREW

403978: HELIX CLUTCH PLATE



GP500

CONCRETE GRINDER AND POLISHER

This lightweight counter-rotational grinder is ideally suited for residential and commercial work. The GP500 offers the convenience of a truly modular machine combined with the power of our other GP grinders.



| GP500 Specifications | | |
|----------------------|-------------|--------|
| Width | 22.8" | 58 cm |
| Height | 48 | 122 cm |
| Length | 50" | 127 cm |
| Cleaning Path | 23" | 58 cm |
| Weight | 449.7 lbs | 204 kg |
| Tooling RPM | 390-585 RPM | |
| Motor Phase | Three | |
| Frequency | 60 Hz | 50 Hz |
| HP | 7.5 HP | 5.6 kW |
| Voltage | 380 V | |
| Amps | 16 A | |

SAFETY

- A.** Magnetic LED light to illuminate front of machine or your cleaning path
- B.** Easy disassembly of machine into two sections for easy transportation
- C.** Transport poles for increased jobsite access
- D.** Easily accessible external breakers

COMFORT

- E.** On-board USB charger and phone carrier
- F.** Height adjustable handle for optimal operation and transportation
- G.** Cord management system for increased job site efficiency

PERFORMANCE

- H.** 30 L water tank
- I.** Equipped with single, rubber disc coupler to offer increased lifespan over traditional, Morflex coupler
- J.** Grinding head = 118 kg, Handle = 59 kg, Two pocket weights = 13.6 kg each

INCLUDED WITH THE GP500

- 230 Volt, Single Phase plug comes on machine, additional receptical included as well

RECOMMENDED ACCESSORIES

We recommend pairing your GP500 grinder with the DL3000 dust collector and DLS3000 preseparator.

GP700

CONCRETE GRINDER AND POLISHER



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.

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 | 390-585 RPM | |
| Motor Phase | Three | |
| Frequency | 60 Hz | 50 Hz |
| HP | 7.5 | 5.6 kW |
| Voltage | 230 | 415 |
| Amps (Draw) | 11 | |
| Amps (Circuit) | 30 | 30 |

SAFETY

- A.** Handle transport wheels incorporated for easy loading and unloading
- B.** Four removable side weights for additional head pressure

COMFORT

- C.** Adjustable/foldable handle allows for compact transport and operator comfort when in use

PERFORMANCE

- D.** Adjustable shroud incorporates a brush for a 360-degree air intake
- E.** Rear spring suspension allows for a more even prep over uneven surfaces
- F.** 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 incline/declines on uneven surfaces
- G.** Soft, regular, or hard couplers available for varying floor conditions
- H.** New stainless steel, 7-gallon water tank
- I.** Control box includes variable-speed soft start, forward and reverse functionality

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

INCLUDED WITH THE GP700

- 30 feet of power cord

RECOMMENDED ACCESSORIES

We recommend pairing your GP700 grinder with the DL3000 or DL4000 dust collector and DLS3000 preseparator.

GP3000

CONCRETE GRINDER AND POLISHER

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 makes this an ideal machine for commercial and industrial projects.



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 | 50 Hz |
| HP | 25 | 18.6 kW |
| Voltage | 230 | 415 |
| Amps (Draw) | 30 | |
| Amps (Circuit) | 60 | 50 |

SAFETY

- A.** Handle transport wheels incorporated for easy loading and unloading
- B.** Four removable side weights for additional head pressure; positioning weights into handle pockets reduces head pressure for easy mobility

COMFORT

- C.** Adjustable/foldable handle allows for compact transport and operator comfort when in use

PERFORMANCE

- D.** Adjustable shroud incorporates a brush for a 360-degree air intake
- E.** Rear spring suspension allows for a more even prep over uneven surfaces
- F.** Soft, regular, or hard couplers available for varying floor conditions
- G.** New stainless steel, 20-gallon water tank
- H.** Control box includes variable-speed soft start, forward and reverse functionality

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. Required Accessories with the DL7000: 403073 (QTY 1) - Hose, 76mm, 15 meters.

COUNTER-ROTATIONAL GRINDER TOOLING

PREP PACKAGES

WEDGE

SOFT CONCRETE



501020-H
20 Grit, 2 Seg, Hard Bond

501040-H
40 Grit, 2 Seg, Hard Bond

501070-H
70 Grit, 2 Seg, Hard Bond

MEDIUM CONCRETE

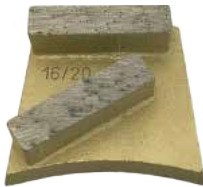


501020-M
20 Grit, 2 Seg, Medium Bond

501040-M
40 Grit, 2 Seg, Medium Bond

501070-M
70 Grit, 2 Seg, Medium Bond

HARD CONCRETE



501020-S
20 Grit, 2 Seg, Soft Bond

501040-S
40 Grit, 2 Seg, Soft Bond

501070-S
70 Grit, 2 Seg, Soft Bond

PUCK

SOFT CONCRETE



501025-HP 25 Grit, 4 Seg, Hard Bond

501040-HP 40 Grit, 4 Seg, Hard Bond

501080-HP 80 Grit, 4 Seg, Hard Bond

MEDIUM CONCRETE



501025-MP 25 Grit, 4 Seg, Medium Bond

501040-MP 40 Grit, 4 Seg, Medium Bond

501080-MP 80 Grit, 4 Seg, Medium Bond

HARD CONCRETE



501025-SP 25 Grit, 4 Seg, Soft Bond

501040-SP 40 Grit, 4 Seg, Soft Bond

501080-SP 80 Grit, 4 Seg, Soft Bond

POLISHING PACKAGES

SOFT CONCRETE



MEDIUM CONCRETE




HARD CONCRETE



BONUS TOOLING





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

BURNISHERS

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

14100

ELECTRIC BURNISHER

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 that eliminates the need to change settings or make adjustments.

| 14100 Specifications | | |
|----------------------|-------|----------|
| Width | 20" | 61 cm |
| Height | 42" | 106.7 cm |
| Length | 24" | 61 cm |
| Weight | 70 lb | 31.75 kg |
| RPM | 1500 | |
| HP | 1.5 | |
| Voltage | 120 | |



SAFETY

A. Safety start push button

COMFORT

B. Floating handle for efficient operation and storage

PERFORMANCE

C. Powerful 1.5 HP belt-driven pad

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



14500

PROPANE BURNISHER



The 14500 is a propane-powered, ultra-high-speed burnisher that gives floor-care professionals the options they want to customize a machine to their needs.

| 14500 Specifications | | |
|----------------------|-----------------------|---------------------|
| Width | 27" | |
| Weight | 250 lbs | 114 kg |
| RPM | 3600 max. | |
| Productivity | up to 25,000 sq ft/hr | up to 2,320 sq m/hr |

SAFETY

- A. Low emissions
- B. Safety release handle

COMFORT

- C. Positional handle for ease of movement and transport

PERFORMANCE

- D. Flashing battery light for ignition avoids battery depletion
- E. Reinforced aluminum deck allows for quick and easy pad changes
- F. Variable speed throttle

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



A person wearing blue jeans is using a handheld power tool on a concrete surface. The tool has a black handle and a grey body. A flexible, ribbed hose is connected to the side of the tool. The background is a plain, light-colored wall.

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

HANDHELD TOOLS

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

3420, 3432, 3435

HANDHELD GRINDERS



3420: 7-inch Grinder



3435: 5-inch Grinder



3432: 5-inch Variable-Speed Polisher

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.



SAFETY

- 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

COMFORT

- C.** Loop handle on 3420 and 3432 creates superior control, results in fewer swirl marks, and lessens operator fatigue

PERFORMANCE

- D.** Accommodates multiple styles of diamond turbo cup wheels

| 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.

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

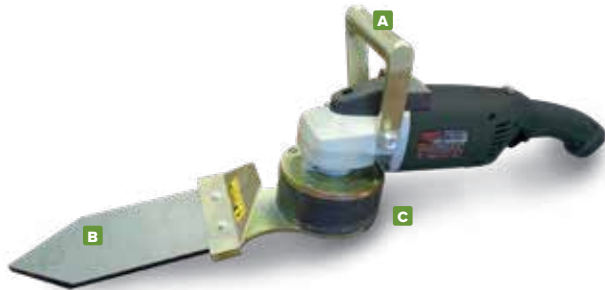
RECOMMENDED ACCESSORIES

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

3535

CONCRETE PREPARATION AND POLISHING TOOL

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 railing, and around door frames.



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.

SAFETY

A. Loop handle enables precision handling

PERFORMANCE

B. Accommodates brazed diamonds and polishing pads, from 16 to 3000 grit; supports corner work in partnership with all other National surface preparation tools

C. Variable-speed, right-angle motor powers numerous tooling options with an oscillating motion

See accessories page for the 3535 tooling attachments.



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

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 | Removes 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

402554: 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 |

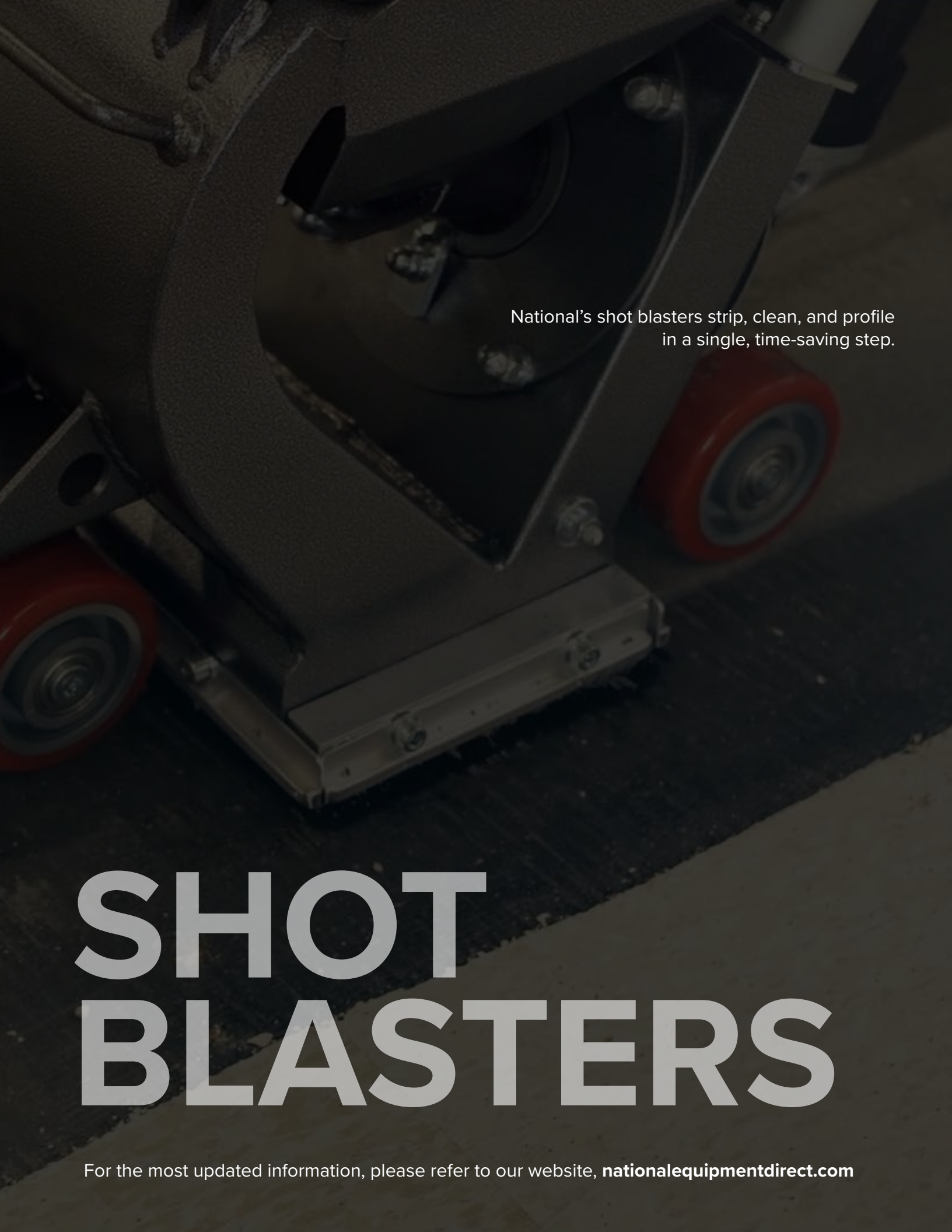


9420-30

| 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



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

SHOT BLASTERS

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

A95

8-INCH MANUAL SHOT BLASTER



The A95 is the first in National's Apex® series of shot blasters. It is compact and versatile machine, ideal for small to midsize applications.

A95 Specifications

| | | |
|-------------------|--------------|---------|
| Width | 12" | 30 cm |
| Blasting Width | 8" | 20 cm |
| Max. Height | 41" | 104 cm |
| Min. Height | 34" | 86 cm |
| Max. Length | 43.4" | 110 cm |
| Min. Length | 37" | 94 cm |
| Weight | 121 lb | 54 kg |
| Speed | Manual | |
| Blasting Capacity | 430 sq ft/hr | |
| Voltage | 115 | |
| HP | 1.5 | 1.12 kW |
| Amps | 17 | |

*20A breaker required

COMFORT

- A.** Height-adjustable handle with built-in operator controls
- B.** Front swivel casters increase maneuverability and control for a more uniform and consistent profile

PERFORMANCE

- C.** 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.
- 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



PAIRED WITH THE A95

For maximum efficiency when shotblasting the A95 pairs with the DL2000 dust collector. Full specifications on page 59W

ACCESSORIES

Optional accessories include the A95 shot blast kit. Refer to page 52 for a detailed list of contents.

A96

8-INCH SHOT BLASTER

National's A96 is a variable speed, self propelled shot blaster that combines elements of traditional blasting and new innovation. The unique joystick control increases productivity and allows for more responsive handling.



A96 Specifications

| | | |
|-------------------|----------------------|------------------|
| Width | 13.5" | 34 cm |
| Height | 44" | 112 cm |
| Length | 57.5" | 146 cm |
| Blasting Width | 8" | 20.3 cm |
| Weight | 350 lb | 159 kg |
| Blasting Capacity | up to 860 sq ft/hour | up to 80 sq m/hr |
| Voltage | 230 | 415 |
| Amps (Circuit) | 30 | 16 |
| HP | 5.3 HP | |

SAFETY

- A.** Hose & cord management system
- B.** Front and rear lights illuminate blasting path and work area

COMFORT

- C.** Unique joystick control allows responsive and intuitive handling
- D.** Built from durable Manganese steel that becomes stronger and more durable over time
- E.** Adjustable handle height and joystick platform allow for infinite operating positions

PERFORMANCE

- F.** Improved design moves intuitively with you when you turn
- G.** Reverse operation of this machine allows more control over positioning, direction, and line overlapping
- H.** Control bolt allows precision adjustment of control valve depending on desired CSP



PAIRED WITH THE A96

For maximum efficiency when shotblasting the A96 pairs with the DL3000P dust collector. Full specifications on page 61

ACCESSORIES

Optional accessories include the A96 shot blast kit. Refer to page 52 for a detailed list of contents.

A97

SHOT BLASTER



National's A97 adds to our tradition of strong manufacturing. This machine combines the best aspects of our traditional shot blasting with new features designed to increase efficiency and productivity on the job. Built from the strongest Manganese steel that becomes stronger as it hardens over time.

| A97 Specifications | | |
|--------------------|----------------------|-------------------|
| Width | 15.25" | 39 cm |
| Height | 44" | 112 cm |
| Length | 63" | 160 cm |
| Speed | up to 2,000 sq ft/hr | up to 185 sq m/hr |
| Weight | 430 lb | 195 kg |
| Blasting Width | 10" | 25.4 cm |
| Voltage | 230 | 415 |
| Amps (Circuit) | 30 | 16 |
| HP | 10 | |

SAFETY

- A.** Hose & cord management system
- B.** Front & rear lights illuminate blasting path and work area

COMFORT

- C.** Unique joystick control allows responsive and intuitive handling
- D.** Machine angle allows for easy edging
- E.** Built from durable Manganese steel that becomes stronger and more durable over time
- F.** Adjustable handle height and joystick platform allow for infinite operating positions

PERFORMANCE

- G.** Improved design moves intuitively with you when you turn
- H.** Reverse operation of this machine allows more control over positioning, direction, and line overlapping
- I.** Control bolt allows precision adjustment of control valve depending on desired CSP
- J.** Design is pitched slightly to the left which allows for edging within 1/8" of the wall
- K.** Integrated brake mechanism locks drive wheel for safety when machine is off



PAIRED WITH THE A97

For maximum efficiency when shotblasting the A97 pairs with the DL4000P dust collector. Full specifications on page 63

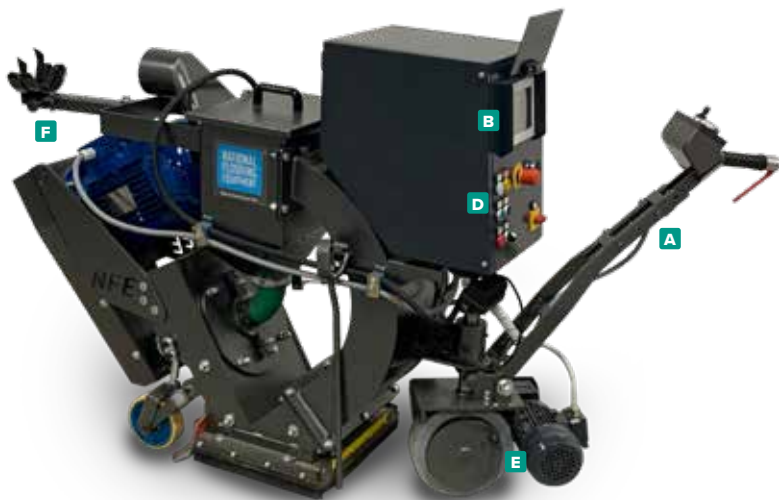
ACCESSORIES

Optional accessories include the A97 shot blast kit. Refer to page 52 for a detailed list of contents.

COMING SOON!

A98

12-INCH SHOT BLASTER



This new shot blaster features an innovative LCD display with cloud connectivity allowing for remote troubleshooting, software updates, and operating and service manuals. Programmable by language, this display will also show your speed per minute, amp draw, and more.

| A98 Specifications | | |
|--------------------|---------------------|--------------------|
| Width | 18" | 45 cm |
| Blasting Width | 12" | 30 cm |
| Height | 46" | 116 cm |
| Length | 79" | 200 cm |
| Weight | 930 lb | 420 kg |
| Speed | 0-121 ft/min | 0-37 m/min |
| Blasting Capacity | up to 656 sq ft/min | up to 200 sq m/min |
| Voltage | 230/460 | |
| Motor Phase | Three | |

COMFORT

A. Adjustable handle height for operator comfort

PERFORMANCE

B. 7" LCD Display features smart technology for remote troubleshooting, software updates, operating and safety manuals

C. Blast wheel features replaceable blades

D. Phase rotation indication light ensure blast motor is turning in the correct direction

E. In-place drive wheel pin for drive- and free-wheel won't get lost or misplaced

SAFETY

F. Incorporates retractable hose and cord management system for cleaner operation

G. Transport mode and lift system built in

H. Integrated braking system

SHOT BLAST ACCESSORIES



A95 ACCESSORIES

A95 Kit

Available as a Kit or Individual Parts

| | | | | | |
|--------|--------------------------|--------|------------------------|--------|-------------------------|
| 404147 | Toolbox 20" x 9" x 9" | 404150 | Hex key wrench 6 mm | 400413 | Abrasive control cable |
| 404149 | Open wrench 10 mm | 1009 | Safety Glasses | 400458 | 2 x Brush, side LH & RH |
| 404148 | Open wrench 13 mm | 404330 | Blast wheel kit 165 mm | 400457 | 2 x Brush, front & rear |
| 404153 | Universal Socket - 24 mm | 400473 | Top liner | 404154 | Wrench, open, 17 mm |
| 404152 | Slotted screwdriver 6" | 400410 | RH Liner | 404155 | Ratchet, 1/2" |
| 404151 | Hammer | 400409 | LH Liner | 404235 | Wrench, open, 11 mm |

Additional Support Parts

| | | | |
|----------------|----------------|--------|------|
| 3395-201001726 | 2-Inch Reducer | 401868 | Belt |
| 3395-201001725 | 4-Inch Reducer | | |
| 3395-201001724 | 6-Inch Reducer | | |

A96 ACCESSORIES

A96 Kit

Available as a Kit or Individual Parts

| | | | | | |
|--------|------------------------|--------|------------------------|--------|---------------------|
| 404147 | Toolbox 20" x 9" x 8" | 404150 | Hex key 6 mm | 404392 | Front Brush |
| 404148 | Open wrench 13 mm | 1009 | Safety Glasses | 405010 | V-ribbed belt |
| 404149 | Open wrench 10 mm | 404330 | Blast wheel kit 165 mm | 404870 | Blast Wheel Adapter |
| 404154 | Open wrench 17 mm | 404400 | Top liner | 405112 | Bottom Liner |
| 404155 | Ratchet 1/2" | 405111 | RH liner | 405003 | Screw, Blast Wheel |
| 404152 | Slotted screwdriver 6" | 405110 | LH liner | 405231 | Socket 13 mm |
| 404151 | Hammer | 404603 | Side brush (2) | | |

A97 ACCESSORIES

A97 Kit

Available as a Kit or Individual Parts

| | | | | | |
|--------|-----------------------|--------|------------------------|--------|---------------------|
| 404147 | Toolbox 20" x 9" x 8" | 404150 | Hex key wrench 6 mm | 404648 | LH liner (small) |
| 404149 | Open wrench 10 mm | 1009 | Safety Glasses | 404647 | Bottom liner |
| 404148 | Open wrench 13 mm | 404330 | Blast wheel kit 165 mm | 404603 | Side brush (2) |
| 404154 | Open wrench 17 mm | 404361 | Top liner | 404604 | Front brush |
| 404155 | Ratchet 1/2" | 404646 | RH liner | 404870 | Blast Wheel Adapter |
| 404152 | Slotted screwdriver | 404645 | LH liner | 405003 | Screw, Blast Wheel |
| 404151 | Hammer | 404649 | RH liner (small) | 405231 | Socket 13 mm |
| 404540 | Belt | | | | |

SHOT BLAST ACCESSORIES



6551 HEAVY-DUTY MAGNETIC SHOT SWEEPER

This sweeper is ideal for steel shot, and it picks up metal debris 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

The 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: 400 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

MISCELLANEOUS

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



SCARIFIERS

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, nationalequipmentdirect.com

110-8

8-INCH SCARIFIER



Driven by a powerful 110 volt motor, this newly designed scarifier is ideal for removing paint, mastic, and thin set. When paired with our wood scoring drum, it is the ideal companion for any of our scrapers.

110-8 Specifications

| | | |
|---------------|--------|--------|
| Machine Width | 14.2" | 36 cm |
| Milling Width | 8" | 20 cm |
| Height | 36.2" | 92 cm |
| Length | 35.4" | 90 cm |
| Weight | 130 lb | 59 kg |
| Voltage | 110 | |
| Hz | 60 | |
| Phase | Single | |
| RPM | 2148 | |
| Motor | 2 HP | 1.5 kW |

*20A Breaker Required

SAFETY

- A.** Tubular handle includes dust collection inlet for a nearly dustless operation
- B.** Spring-loaded, rear-locking brake

COMFORT

- C.** Convenient lifting points on the front
- D.** Adjustable guiding grip allows work close to the wall

PERFORMANCE

- E.** Adjustable knob precisely aligns depth and contact pressure settings
- F.** Quick-change drum system; balanced drums turn at 2148 RPM for high productivity and accurate results
- G.** Updated motor, pulleys, and belt with improved tungsten tipped cutters



WOOD-SCORING SCARIFIER DRUM

This wood scoring drum attaches to National's scarifiers. It is an 8" drum, with three or five 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.

- 402192: Drum with Three Blades
- 402191: Drum with Five Blades

INCLUDED ACCESSORIES

- 405302 - Drum

Spartan 220

8-INCH SCARIFIER



Spartan 220 comes equipped with a specialty drum system designed to remove paint, thin mill coatings, line striping, carpet adhesives, and other refined applications.

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 |

SAFETY

- A.** Tubular handle includes dust collection inlet for a nearly dustless operation
- B.** Spring-loaded, rear-locking brake

COMFORT

- C.** Convenient lifting points on the front

PERFORMANCE

- D.** Adjustable knob precisely aligns depth and contact pressure settings
- E.** Quick-change drum system; balanced drums turn at 2148 RPM for high productivity and accurate results



WOOD-SCORING SCARIFIER DRUM

This wood scoring drum attaches to National's scarifiers. It is an 8" drum, with three or five 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.

- 402192: Drum with Three Blades
- 402191: Drum with Five Blades

INCLUDED ACCESSORIES

- 402165 - Drum

SCARIFIER ACCESSORIES

Scarifier Accessories:



402166
Cutters, HMR-5.40 (kit)



402167
Washers, HMR-5.40 (kit)



402170
Cutters, TMO-7.15 (kit)



402171
Washers, TMO-7.15 (kit)



402212
Cutters, TSR-5.5 (kit)



402194
Cutters, TSR-7.5 (kit)



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

402164
Belt



402173
Drum and shaft for HMT and TMO

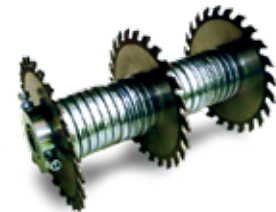


402168 COMPLETE DRUM LOADED WITH TMO-7.15 SOLID CARBIDE MILLING CUTTER

• 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



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 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.

National offers the industry's widest selection of machines to control and collect dust. Ideal for use on any jobsite, they contain and collect powder, wood dust, concrete dust, and many other worksite by-products creating a safer work environment for all.

DUST CONTROL & DUST COLLECTORS

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

Ion1K, Ion4K™

CLEAN AIR COMPANION



National's series of ionizers are compact machines that electronically charge the air in the room, driving dust and other contaminants rapidly to the ground in a manner that is safe for the user and the environment. They operate with little input from the user so you can spend more time focusing on the task at hand.

This machine does not produce ozone.

SAFETY

- A. Locking caster wheels
- B. Pre filter and main filter protect internal components of machine

PERFORMANCE

- C. Multi-speed fan flexible for varying jobsites
- D. Simple control panel
- E. Sturdy handles for easy transportation



| Specifications | Ion1K | | Ion4K™ | |
|----------------|-----------------------|-------|-----------------------|-------|
| Width | 14.5" | 37 cm | 20.5" | 52 cm |
| Height | 19.7" | 50 cm | 28.7" | 73 cm |
| Length | 22.8" | 58 cm | 25.2" | 64 cm |
| Weight | 40 lb | 18 kg | 132.3 lb | 60 kg |
| Power | 220 W, Single Phase | | 300 W, Single Phase | |
| Capacity | up to 15,000 ft cubed | | up to 53,000 ft cubed | |

ION1K ACCESSORIES

- 406304 - Framed Pre-Filter
- 405218 - Frameless Pre-Filter
- 405220 - Main Filter
- 404942 - Ionization Rod

ION4K ACCESSORIES

- 406305 - Framed Pre-Filter
- 404937 - Frameless Pre-Filter
- 404939 - Main Filter
- 404942 - Ionization Rod
- 404940 - Caster Wheel
- 404941 - Locking Caster Wheel

DL2000

DUST COLLECTOR



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.

| DL2000 Specifications | | |
|-----------------------|------------------------|------------------------|
| Width | 20" | 50 cm |
| Height | 47" | 120 cm |
| Length | 22" | 56 cm |
| Weight | 121.6 lb | 55.2 kg |
| Voltage | 115 | 100/110V |
| Frequency | 60 Hz | 50/60 Hz |
| Vacuum Pressure | 88.6" H ₂ O | 2.5 m H ₂ O |
| Air Movement | 235 CFM | 400 m ³ /h |
| Filter Area | 32.3 sq ft | 30,000 sq cm |
| Filter Efficiency | 99.995 @ .14 microns | |
| Noise Emission (dBA) | 74 | |
| Inlet | 2" | 50 mm |

SAFETY

- 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.** Heavy-duty, anti-static collection hose provides durability and safety

PERFORMANCE

- C.** Primary filter
- D.** State-of-the-art telescoping side arms for a highly portable machine that can be packed away easily for storage, or expanded for use

INCLUDED WITH THE DL2000

- 402494: Inlet slide damper, OD 1.97"
- 402517: Hose connector 40 mm
- 402519: Hose adapter 50 mm
- 402520: Hose reducer 50 mm - 38 mm
- 402522: Hose adapter 38 mm
- 402523: Floor wand, 38 mm
- 402524: Floor brush, 38 mm
- 402518 Antistatic PVC hose d. 50 mm, 7.5 m
- 402521 Antistatic PVC hose d. 38 mm, 7.5 m
- Operating and Service Manuals

RECOMMENDED ACCESSORIES

- 402473 Longopac bagging system replacement.
- 402467 Primary filter
- 402471: HEPA 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



The DL3000 is precisely engineered and designed 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.

| DL3000 Specifications | | |
|-----------------------|------------------------|------------------------|
| Width | 25.6" | 65 cm |
| Height | 63" | 160 cm |
| Length | 31" | 80 cm |
| Weight | 154.32 lb | 70 kg |
| Voltage | 230 | |
| Phase | Single | |
| Frequency | 50-60 Hz | |
| Vacuum Pressure | 98.4" H ₂ O | 2.5 m H ₂ O |
| Air Movement | 318 CFM | 600 m ³ /h |
| Filter Area | 32.3 sq ft | 30,000 cm ² |
| Filter Efficiency | 99.995 @ .14 microns | |
| Noise Emission (dBA) | 75 | |
| Inlet | 3.15" | 80 mm |

SAFETY

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

PERFORMANCE

B. Primary filter

C. Heavy-duty, anti-static collection hose provides durability and safety

INCLUDED WITH THE DL3000

- 402519: Hose adapter 50 mm
- 402525: Hose adapter, 80 mm - 50 mm
- 402526: Hose connector 76 mm
- 402528: Floor wand, 50 mm
- 402529: Floor brush, 50 mm
- 402518 Antistatic PVC hose d. 50mm, 7.5m
- 402521 Antistatic PVC hose d. 38mm, 7.5m
- Operating and Service Manuals

RECOMMENDED ACCESSORIES

- 402473 Longopac bagging system replacement. Sold in a 4-pack
- 402469 Primary Filter
- 402472 HEPA 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.



DL3000P

DUST COLLECTOR



The DL3000P offers the great features of the DL3000 with the added benefit of a reverse pulse compressor. The reverse pulse compressor helps maintain a cleaner filter resulting in less downtime on jobsites.

DL3000P Specifications

| | | |
|----------------------|------------------------|------------------------|
| Width | 35.8" | 91 cm |
| Height | 69" | 176 cm |
| Length | 25.6" | 65 cm |
| Weight | 309 lbs | 140 kg |
| Voltage | 230V | |
| Phase | Single | |
| Hz | 50/60 | |
| Vacuum Pressure | 98.4" H ₂ O | 2.5 m H ₂ O |
| Air Movement | 318 CFM | 540 m ³ /h |
| Filter Area | 61.4 sq ft | 57,000 cm ² |
| Filter Efficiency | 99.995 @ .14 microns | |
| Noise Emission (dBA) | 76 dB | |
| Inlet | 3.15" | 80 mm |

SAFETY

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

PERFORMANCE

B. Primary filter

C. Heavy-duty, anti-static collection hose provides durability and safety

D. Reverse pulse compressor allows continual operation of the machine

INCLUDED WITH THE DL3000P

- 402519: Hose adapter 50 mm
- 402525: Hose adapter, 80 mm - 50 mm
- 402526: Hose connector 76 mm
- 402528: Floor wand, 50 mm
- 402529: Floor brush, 50 mm
- 402518 Antistatic PVC hose d. 50mm, 7.5m
- 402521 Antistatic PVC hose d. 38mm, 7.5m
- Operating and Service Manuals

RECOMMENDED ACCESSORIES

- 402473 Longopac bagging system replacement. Sold in a 4-pack
- 402469 Primary Filter
- 402472 HEPA 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.



DL4000

DUST COLLECTOR



National's DL4000 combines the sturdy construction of the DL3000 with a pass-through junction box, allowing additional equipment to be connected. Equipped with a Longopac bagging system, this machine exceeds HEPA standards.

DL4000 Specifications

| | | |
|----------------------|---|------------------------|
| Width | 25" | 63.5 cm |
| Height | 63.21" | 160 cm |
| Length | 38.7" | 98 cm |
| Weight | 260 lb | 118 kg |
| Voltage | 230 | |
| Phase | Switchable single or three phase outlet | |
| Hz | 60 | |
| Vacuum Pressure | 98.4" H ₂ O | 2.5 m H ₂ O |
| Air Movement | 318 CFM | 540 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" | 80 mm |

SAFETY

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

PERFORMANCE

B. Primary filter

C. Heavy-duty, anti-static collection hose provides durability and safety

D. Pass through junction box to power additional equipment.

E. Adjustable CFM for different machines by opting to use one, two or three motors

INCLUDED WITH THE DL4000

- 402519: Hose adapter 50mm
- 402525: Hose adapter, 80mm - 50mm
- 402526: Hose connector 76mm
- 402528: Floor wand, 50mm
- 402529: Floor brush, 50mm
- 402518 Antistatic PVC hose d. 50mm, 7.5m
- 402521 Antistatic PVC hose d. 38mm, 7.5m
- Operating and Service Manuals

RECOMMENDED ACCESSORIES

- 402473 Longopac bagging system replacement. Sold in a 4-pack
- 402472 Hepa Filter
- 402469 Primary filter

DL4000P

DUST COLLECTOR



The DL4000P offers the great features of the DL4000 with the added benefit of a reverse pulse compressor. The reverse pulse compressor helps maintain a cleaner filter resulting in less downtime on jobsites.

| DL4000P Specifications | | |
|------------------------|---|------------------------|
| Width | 25" | 63.5 cm |
| Height | 63.21" | 160 cm |
| Length | 38.7" | 98 cm |
| Weight | 385.8 lbs | 175 kg |
| Voltage | 230 | |
| Phase | Switchable single or three phase outlet | |
| Hz | 50/60 | |
| Vacuum Pressure | 98.4" H ₂ O | 2.5 m H ₂ O |
| Air Movement | 318 CFM | 540 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" | 80 mm |

SAFETY

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

PERFORMANCE

- B.** Primary filter
- C.** Heavy-duty, anti-static collection hose provides durability and safety
- D.** Pass through junction box to power additional equipment.
- E.** Adjustable CFM for different machines by opting to use one, two or three
- F.** Reverse pulse compressor allows continual operation of the machine motors

INCLUDED WITH THE DL4000P

- 402519: Hose adapter 50mm
- 402525: Hose adapter, 80mm - 50mm
- 402526: Hose connector 76mm
- 402528: Floor wand, 50mm
- 402529: Floor brush, 50mm
- 402518 Antistatic PVC hose d. 50mm, 7.5m
- 402521 Antistatic PVC hose d. 38mm, 7.5m
- Operating and Service Manuals

RECOMMENDED ACCESSORIES

- 402473 Longopac bagging system replacement. Sold in a 4-pack
- 402472: Hepa Filter
- 402469 Primary Filter

DL6000P

DUST COLLECTOR

The DL6000P offers the convenience of two powerful dust collectors in one unit. Easily separate the units as needed or use together paired with National's larger shot blasters and grinders. Designed to fit through standard doorways and telescope down for transportation, this versatile machine will fit into any fleet.



DL6000P Specifications

| | | |
|---------------------------|------------------------|------------------------|
| Width | 26" | 63.5 cm |
| Height | 79" | 160 cm |
| Length | 87" | 98 cm |
| Weight | 674 lb | 118 kg |
| Voltage | 230 | |
| Phase | Single | |
| Hz | 50/60 | |
| Vacuum Pressure | 98.4" H ₂ O | 2.5 m H ₂ O |
| Air Movement (Combined) | 508 CFM | 864 m ³ /hr |
| Air Movement (Individual) | 318 CFM | 540 m ³ /hr |
| Primary Filter Area | 122.7 sq ft | 114,000 sq cm |
| Secondary Filter Area | 57.1 sq ft | 53,000 sq cm |
| Filter Efficiency | 99.995 @ .14 microns | |
| Noise Emission (dBA) | 80 | |
| Inlet | 3.15" | 80 mm |

SAFETY

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

PERFORMANCE

B. Primary filter

C. Heavy-duty, anti-static collection hose provides durability and safety

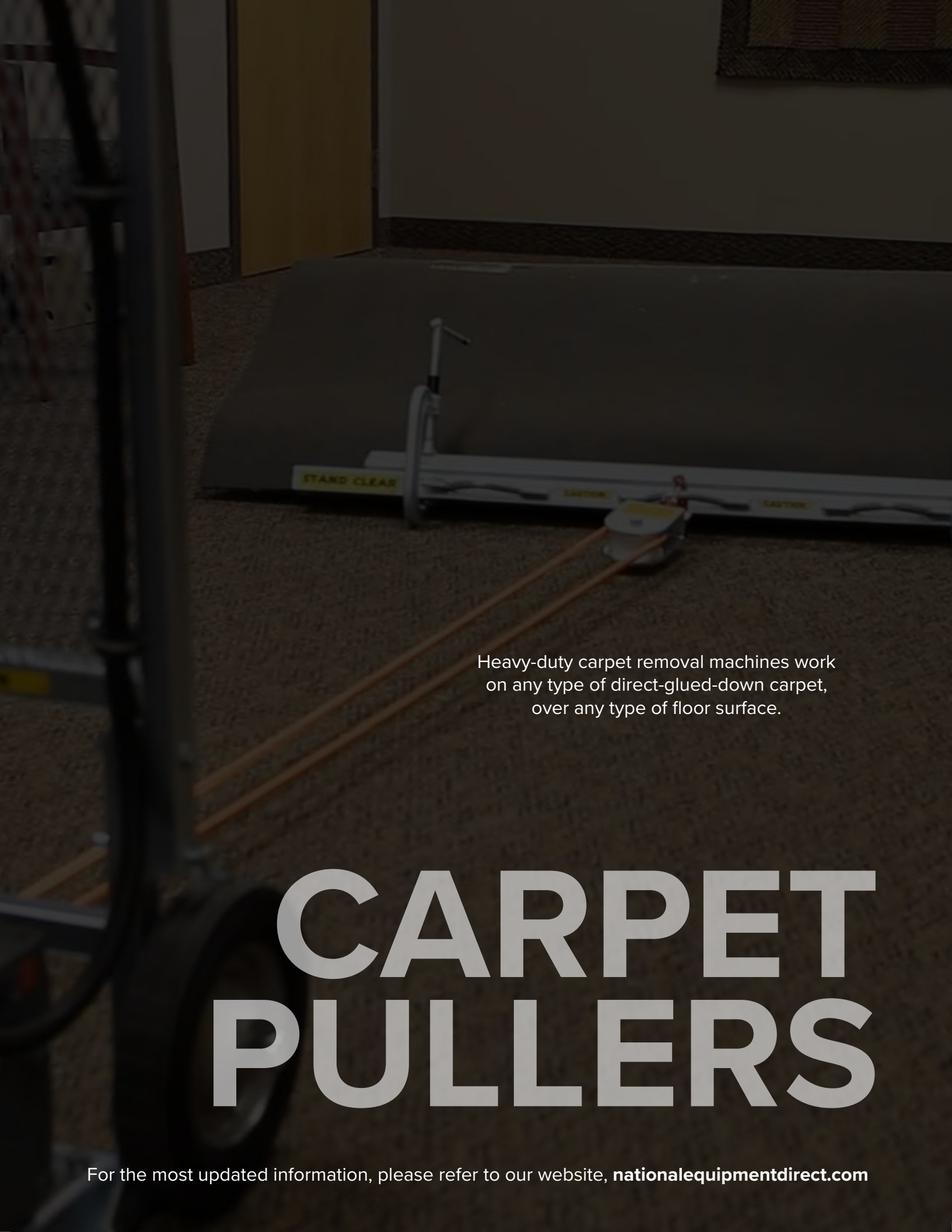
D. Reverse pulse compressor allows continual operation of the machine motors

INCLUDED WITH THE DL4000

- 402519: Hose adapter 50mm
- 402525: Hose adapter, 80mm - 50mm
- 402526: Hose connector 76mm
- 402528: Floor wand, 50mm
- 402529: Floor brush, 50mm
- 402518 Antistatic PVC hose d. 50mm, 7.5m
- 402521 Antistatic PVC hose d. 38mm, 7.5m
- Operating and Service Manuals

RECOMMENDED ACCESSORIES

- 402473 Longopac bagging system replacement. Sold in a 4-pack
- 406312 Primary filter



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

CARPET PULLERS

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

POWERED CARPET PULLER



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.

SAFETY

A. One-person operation; recognized by insurance companies to reduce workers compensation

PERFORMANCE

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

D. Strongest pull bars in the industry; shark-toothed base gripper teeth for super holding power on flat carpet

INCLUDED WITH THE 71

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

HIGH-POWERED CARPET PULLER



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

PERFORMANCE

A. Pulls carpet up to 12 feet wide at one time; in most cases good 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

71 Specifications

| | | |
|---------|--------------------------------------|---|
| Width | 29.5" | 75 cm |
| Height | 42" with screen 10" screen folded | 107 cm with screen 25 cm screen 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 (60 Hz Only) | |

72 Specifications

| | | |
|---------|--------------------------------------|---|
| Width | 29.5" | 75 cm |
| Height | 42" with screen 10" screen folded | 107 cm with screen 25 cm screen 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 (60 Hz Only) | |

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)



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