



1500
WATT
BRUSHLESS
MOTOR

THE WORLD'S FIRST

WATERPROOF CORDLESS ANGLE GRINDER

Functional Description and Specifications

Intended Use

The Nemo Submersible Angle Grinder is the world's first and only waterproof electric grinder, designed for performing cutting, grinding, polishing, and other high intensity jobs, both underwater and on dry land.

Packing List

Your Nemo Submersible Angle Grinder is packaged together with the following accessories:

- ◆ (2) 22V 6 Ah Li-ion batteries
- ◆ Battery charger
- ◆ Hand pump
- ◆ Wheel guard (125mm)
- ◆ Lock nut wrench
- ◆ Side handle
- ◆ Inner flange
- ◆ Outer flange
- ◆ Carrying case
- ◆ Spare battery gasket set
- ◆ Drying cloth

Technical Specifications

Battery Charger

Model	XVE-2520300
Approximate charging time	90 minutes
Charging output voltage	25.2V
Charging input voltage	100V – 240V

Nemo Submersible Angle Grinder

Model	AGV2-22-3Li-50
Battery pack voltage	22V Li-ion
Battery cell specification	3Ah / 6 Ah
Motor	1500 watt
Maximum speed (submerged)	High 6600 RPM Low 5400 RPM
Maximum speed (dry)	High 8400 RPM Low 7000 RPM
Net weight (with battery)	6.39 lbs (2.9kg)
Overall length	16 in (41 cm)
Wheel diameter	4.5 in (115mm)
Spindle thread size	International: M14 (14mm) U.S.: 5/8 in 11 UNC
Working temperature	32-140°F (0-60°C)
Submersible up to	164 ft (50m)



Caution: You must pressurize the angle grinder before you can use it underwater, as described in *Pressurizing the Angle Grinder for Underwater Use*, page 22.

Safety Warnings



Warning: Read all safety warnings and instructions, and save them for future reference. Failure to adhere to these warnings can result in serious injury and damage to equipment.

Work Area Safety

- ◆ All work should be done in accordance with the local, state, and government occupational safety and health guidelines.
- ◆ Keep your work area clean and well lit.
- ◆ Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- ◆ Keep bystanders and children away when operating power tools.

Personal Safety

- ◆ Stay alert and use common sense when operating power tools.
- ◆ Do not use power tools when you are tired or under the influence of drugs, alcohol, or medication.
- ◆ Use personal protective equipment. It is recommended to always wear eye protection, as well as a P2 filter-class respirator.
- ◆ Dust from materials such as lead-containing coating, some wood types, minerals, and metal can be harmful to one's health. Observe the relevant regulations in your country for the materials to be worked.

General Power Tool Safety

- ◆ Store idle power tools out of reach of children, and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- ◆ Maintain your power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other conditions that may affect the power tool's operation. If damaged, have the power tool repaired by an authorized service technician.



Caution: Under no circumstances should the power tool be opened for repairs or any other purpose by anyone other than an after-sales service technician authorized by Nemo Power Tools. Opening the power tool invalidates the manufacturer warranty.

- ◆ Use power tools and accessories in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Consult local, state, and government occupational safety and health guidelines before operating a power tool.
- ◆ Hold the power tool with a firm grip.
- ◆ Work only on stable items. Do not hold any workpiece in your hand. Secure the workpiece with clamping devices or in a vice.
- ◆ Always wait until the power tool has come to a complete stop before placing it down.

Angle Grinder Safety

- ◆ Always use safety glasses or goggles and the appropriate protective gear when working with the angle grinder.
- ◆ Always use a wheel guard when working with a grinding wheel to protect yourself from broken wheel fragments.
- ◆ Only use accessories rated for at least the speed recommended on the angle grinder's warning label. Accessories that run over their rated speed can fly apart and cause injury.
- ◆ Never use the angle grinder with wood cutting blades or other sawblades. These blades frequently kick when used on an angle grinder, causing loss of control and injury.
- ◆ Only use fiberglass-reinforced depressed center grinding wheels.
- ◆ Do not use damaged wheels. Check the wheels for damage and flaws by running the tool with the wheel guard and no load for about a minute. In addition, check the wheel for vibration and wobbling, which indicate a loose or unbalanced wheel.
- ◆ Only use the flanges specified for this angle grinder.

- ◆ Do not damage the spindle, the flange, or the lock nut, as damage to these parts could result in wheel breakage.
- ◆ Hold the angle grinder by its insulated surfaces when it might contact live wires during operation. Contact with live wires will make the exposed metal parts of the angle grinder live, which can lead to electrocution.
- ◆ Keep your hands away from the rotating parts of the angle grinder.
- ◆ Only operate the angle grinder when you are holding it securely. Never leave the angle grinder running.
- ◆ Ensure the wheel does not touch the workpiece before the angle grinder is switched on.
- ◆ Always hold the angle grinder so that sparks fly away from you, other people, and flammable materials.
- ◆ Do not force the angle grinder or apply excessive pressure. The weight of the angle grinder should provide adequate pressure. When required, adjust the pressure on the angle grinder so that it does not slow down during operation. Excessive pressure against the tool will create a large amp load on the battery and the battery will go into its SAFE mode . (Please see **Battery Safety Feature** instructions on pages 7 and 31).

- ◆ Do not bang the wheel or disc on to the workpiece.
- ◆ Do not bounce or snag the wheel, particularly around corners or edges, as this may cause loss of control and kickback.
- ◆ Always refit the wheel or disc if you drop the angle grinder.
- ◆ Do not touch the workpiece immediately after operation as it might be extremely hot.

Rechargeable Battery Safety

- ◆ Use only the battery pack supplied with your power tool.
- ◆ When the battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, and screws, which can make a connection from one terminal to another.
- ◆ Store and charge the battery pack within a temperature range of 32°F - 113°F (0°C-45°C).
- ◆ Before any work on the power tool, such as a tool change, as well as during transportation and storage, remove the battery pack from the power tool. There is danger of injury when accidentally activating the On/Off trigger.
- ◆ Do not open the battery.
- ◆ Protect the battery against heat, including continuous sun irradiation and fire.
- ◆ When the battery is defective, liquid can escape and come into contact with adjacent components.
- ◆ Use only original batteries with the voltage listed on the nameplate of your power tool. When using other batteries, such as imitations, reconditioned batteries, or other brands, there is danger of injury as well as property damage through exploding batteries.
- ◆ Use only the battery charger provided with the power tool to recharge the battery. Only this battery charger is matched to the lithium-ion (Li-ion) battery of your power tool.
- ◆ Protect the battery charger from rain and moisture. The battery charger is not waterproof.
- ◆ Do not charge other batteries. The battery charger is suitable only for charging the battery pack supplied with the tool.
- ◆ Before use, always check the battery charger, cable, and plug. If defects are detected, do not use the battery charger. Never open the battery charger. Only have it opened and repaired by qualified personnel who will use original spare parts.

- ◆ **Battery Safety Feature** : A battery that " fails " or seems to have a short life before it shuts down , may simply be a battery that has gone into its SAFE mode .

A battery that has experienced an excessive current draw from a short circuit , or a high current draw when the tool was under an excessive load , may shut down prematurely . This is a built-in safety feature.

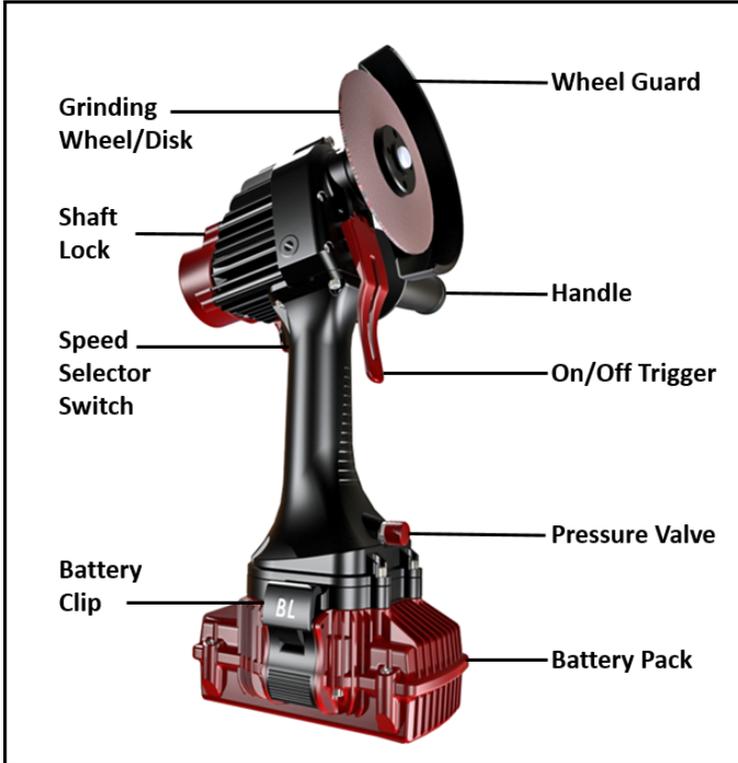
If the battery contacts are not damaged, recharging the battery for a short period (even a few minutes) will reset the battery`s electronics and restore the battery voltage to the voltage level before it shut down .

If this battery or another battery experiences the same shut down problem immediately upon restarting the tool , then a short circuit should be suspected and the tool should be inspected for needed repair .



Getting Started with the Angle Grinder

Your Nemo Submersible Angle Grinder (AGV2-22-3Li-50) includes the following main components: (A grinding wheel or disc is not included with the tool and must be purchased separately.)



The On/Off trigger is a dead-man's switch, and provides important safety functionality. When you release the On/Off trigger, it immediately cuts off power to the motor and stops the angle grinder. You can only restart the angle grinder by moving the speed selector switch to the Off (0) position before pressing the On/Off trigger again, as described in *Switching the Angle Grinder On or Off*, page 24.

Charging the Battery

The battery is supplied partially charged, and must be charged to full capacity before using the angle grinder for the first time.



Caution: Only use the battery charger provided with the angle grinder. Only this battery charger is matched to the Li-ion battery supplied with your power tool.



Danger: Ensure that the voltage of the power supply corresponds with the data given on the nameplate of the battery charger.



Danger: Only use the charger in a dry environment. The charger is not waterproof. Never attempt to charge the battery under water.



Note: After using the angle grinder in salt water, immediately rinse the battery connector in fresh water to remove all salt residue.



Stock: Make sure there is no metal or other things to block the connector after every dive and keep the brass pin dry when stock.

The battery can be charged at any time without reducing its service life. The battery charger detects the charging condition of the battery, and charges it with the optimum charging current for its temperature and voltage. This lengthens the battery life, and leaves it fully charged when stored in the charger.

Interrupting the charging procedure does not damage the battery. Only charge the battery when its temperature is between 32° F - 113° F (0°C- 45°C) .

1. Connect the mains plug of the battery charger to an electrical outlet. A steady green light on the battery charger indicates that the charger is ready for operation.
2. Press the battery charger's connectors into the sockets on the top of the battery pack. There is only one correct way to insert the connectors into the battery sockets.



The battery begins charging as soon as it is connected to the charger.

- ◆ A steady red light on the battery charger indicates that the battery is charging.
 - ◆ A steady green light on the battery charger indicates that the battery is fully charged.
3. When you are ready to use the battery, rotate the connectors' plastic caps counterclockwise and pull the connectors vertically out of the charger.

Changing the battery underwater

Please refer to the Youtube video

<https://www.youtube.com/watch?v=GTm4px9Mxp4>

1. When underwater, seek a safe location on the reef away from strong underwater currents where you could be easily disturbed by current or waves.
2. Ensure the speed selector switch on the Angle Grinder is in the Off position (0).



Caution: To minimize the risk of accidental activation, ensure the speed selector switch is in the Off (0) position before performing any maintenance on the angle grinder, as well as during transport and storage.

3. Prepare your spare battery pack for insertion into the angle grinder. Remove your spare battery pack from the protective carrying case. Take care not to disturb any underwater fauna and place the battery in a safe place near the reef.
4. Maintain a steady buoyant position above the reef away from strong underwater currents.
5. Open the clips on either side of the battery. These clips hold the battery pack in position and prevent it from detaching.
6. Gently lift the angle grinder off the battery, without exerting any force.
7. Place the angle grinder onto the battery. There is only one correct way to position the angle grinder on the battery.
8. Push the angle grinder down until it clicks into place, then close the clips on either side of the battery to lock it in place. The clips hold the battery pack in position and prevent it from detaching.
9. Put away the depleted battery pack in the protective carrying case.

Inserting a Battery into the Angle Grinder

1. Ensure the speed selector switch is in the Off position **(0)**.



Caution: To minimize the risk of accidental activation, ensure the speed selector switch is in the Off **(0)** position before performing any maintenance on the angle grinder, as well as during transport and storage.



Caution: Use only a Li-ion battery from the original factory with the voltage listed on the nameplate of your angle grinder. Using other batteries not suitable for the angle grinder can lead to malfunctions, cause damage to the power tool, and pose a fire hazard.

2. Place the angle grinder onto the battery. There is only one correct way to position the angle grinder on the battery.



3. Push the angle grinder down until it clicks into place, then close the clips on either side of the battery to lock it in place. The clips hold the battery pack in position and prevent it from detaching.



Removing a Battery from the Angle Grinder

1. Ensure the speed selector switch is in the Off position (0).



Caution: To minimize the risk of accidental activation, ensure the speed selector switch is in the Off (0) position before performing any maintenance on the angle grinder, as well as during transport and storage.

2. Open the clips on either side of the battery. These clips hold the battery pack in position and prevent it from detaching.
3. Gently lift the angle grinder off the battery, without exerting any force.

Fitting the Angle Grinder Side Handle

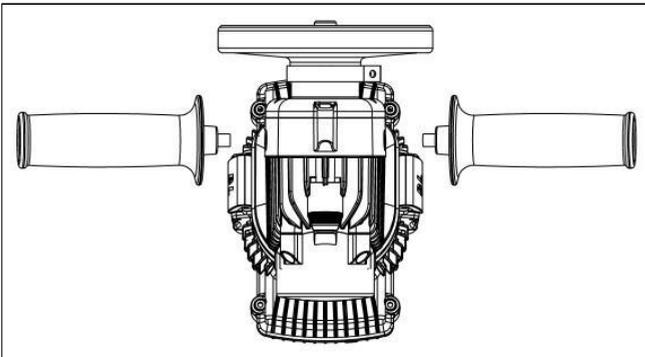
The side handle enables you to hold the angle grinder securely with both hands. It is repositionable, and can be fitted on either side of the angle grinder.

1. Ensure the speed selector switch is in the Off position (0).



Caution: To minimize the risk of accidental activation, ensure the speed selector switch is in the Off (0) position before performing any maintenance on the angle grinder, as well as during transport and storage.

2. Screw the handle securely into one of the holes found on either side of the angle grinder body.



Fitting the Angle Grinder Wheel Guard

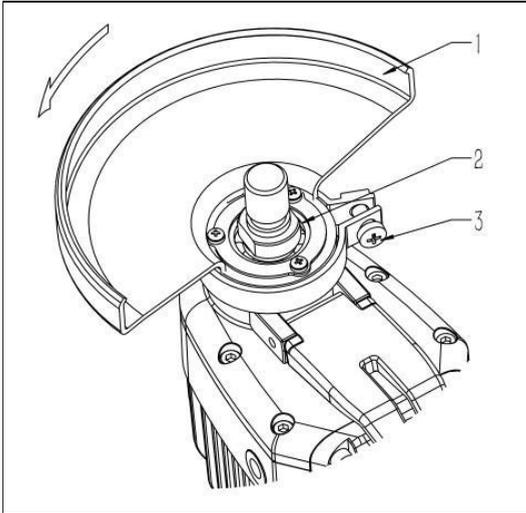
The wheel guard protects you from sparks, debris, and fragments if the wheel or disc shatters during use. Always ensure that the closed side of the guard faces toward you. The wheel guard must be in place before mounting all wheels or discs, except for abrasive discs.

1. Ensure the speed selector switch is in the Off position (0).



Caution: To minimize the risk of accidental activation, ensure the speed selector switch is in the Off (0) position before performing any maintenance on the angle grinder, as well as during transport and storage.

2. Position the wheel guard (1) so that the protrusion on the wheel guard band is aligned with the notch on the angle grinder's bearing box (2).



3. Rotate the wheel guard 180 degrees, and tighten the screw (3) securely.
4. To remove the wheel guard, loosen the screw, rotate the wheel guard back to its initial position, and then remove it from the angle grinder.

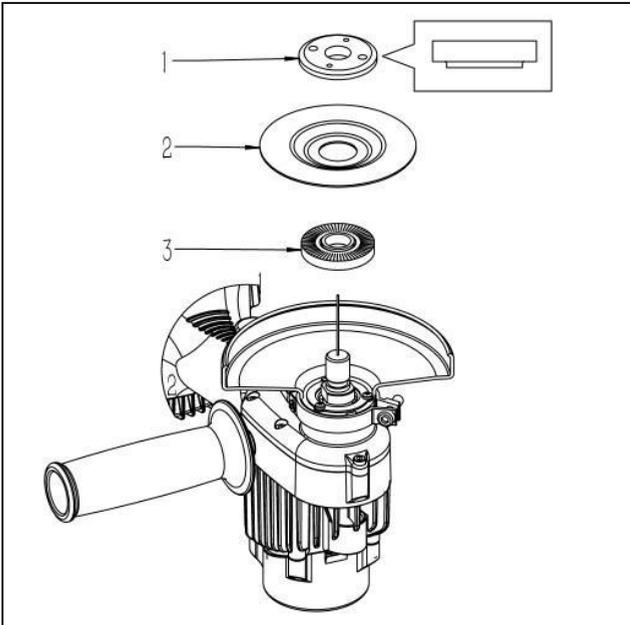
Mounting a Depressed Center Grinding Wheel

1. Ensure the speed selector switch is in the Off position (0).



Caution: To minimize the risk of accidental activation, ensure the speed selector switch is in the Off (0) position before performing any maintenance on the angle grinder, as well as during transport and storage.

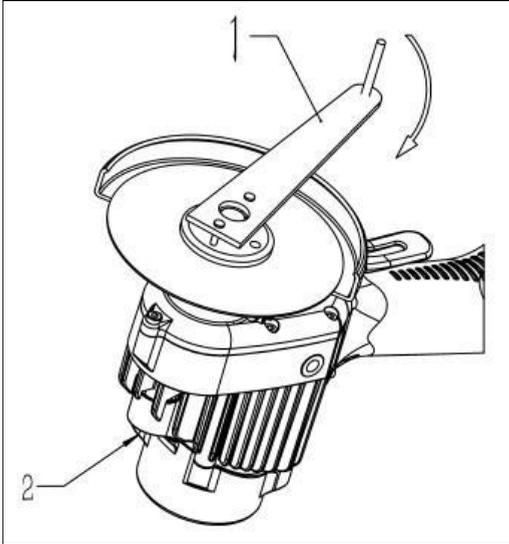
2. Fit the inner flange (3) onto the spindle, on top of the wheel guard.



Caution: Ensure the wheel guard is fitted with the closed side facing toward you before mounting a depressed center grinding wheel. The wheel guard protects you from sparks and debris, as well as from fragments if the wheel shatters during use.

3. Position the wheel or disc (2) on top of the inner flange.

4. Press the shaft lock (2) firmly to prevent the spindle from turning, then use the lock nut wrench (1) to screw a lock nut onto the spindle to secure the wheel or disc in place.



5. To remove the wheel or disc, press the shaft lock firmly to prevent the spindle from turning, then use the lock nut wrench to remove the lock nut from the spindle, freeing the wheel and flange.

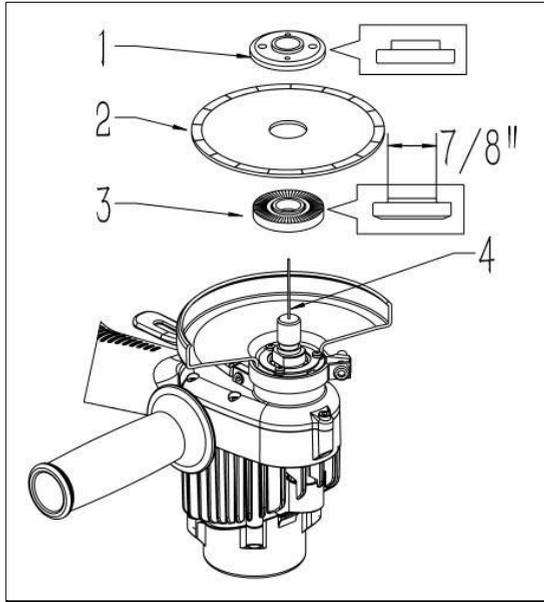
Mounting a Diamond Wheel

1. Ensure the speed selector switch is in the Off position (0).



Caution: To minimize the risk of accidental activation, ensure the speed selector switch is in the Off (0) position before performing any maintenance on the angle grinder, as well as during transport and storage.

6. Fit the inner flange (3) on to the spindle, on top of the wheel guard, so that the side of the flange with the 7/8" diameter protrusion faces up.



Caution: Ensure the wheel guard is fitted with the closed side facing toward you before mounting a diamond wheel. The wheel guard protects you from sparks and debris, as well as from fragments if the wheel shatters during use.

7. Position the diamond wheel (2) on top of the inner flange so that the protrusion on the flange fits into the arbor of the wheel. Ensure that the arrow on the wheel indicating the direction of rotation is pointing in the same direction as the arrow indicating the direction of rotation on the angle grinder.
8. Press the shaft lock firmly to prevent the spindle from turning, then use the lock nut wrench to screw a lock nut (1) onto the spindle to secure the wheel in place.
9. To remove the wheel, press the shaft lock firmly to prevent the spindle from turning, then use the lock nut wrench to remove the lock nut from the spindle, freeing the wheel and flange.

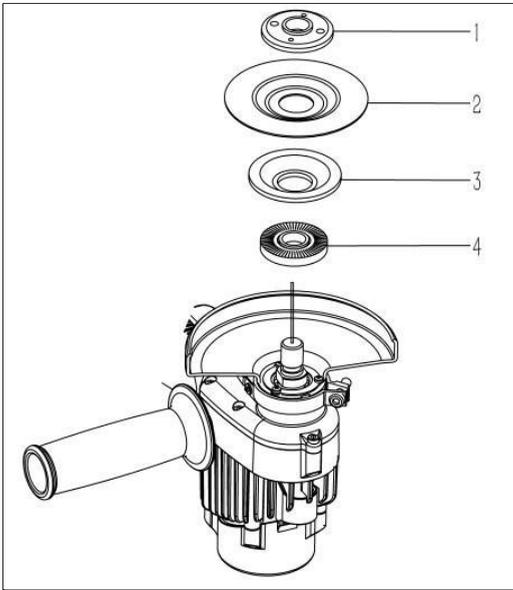
Mounting a Flex Wheel

1. Ensure the speed selector switch is in the Off position (0).



Caution: To minimize the risk of accidental activation, ensure the speed selector switch is in the Off (0) position before performing any maintenance on the angle grinder, as well as during transport and storage.

10. Fit the inner flange (4) onto the spindle, on top of the wheel guard.



Caution: Ensure the wheel guard is fitted with the closed side facing toward you before mounting a flex wheel. The wheel guard protects you from sparks and debris, as well as from fragments if the wheel shatters during use.

11. Place a plastic pad (3) on top of the inner flange.
12. Position the wheel (2) on top of the plastic pad.

13. Press the shaft lock firmly to prevent the spindle from turning, then use the lock nut wrench to screw a lock nut (1) onto the spindle to secure the wheel in place.
14. To remove the wheel, press the shaft lock firmly to prevent the spindle from turning, then use the lock nut wrench to remove the lock nut from the spindle, freeing the wheel, plastic pad, and inner flange.

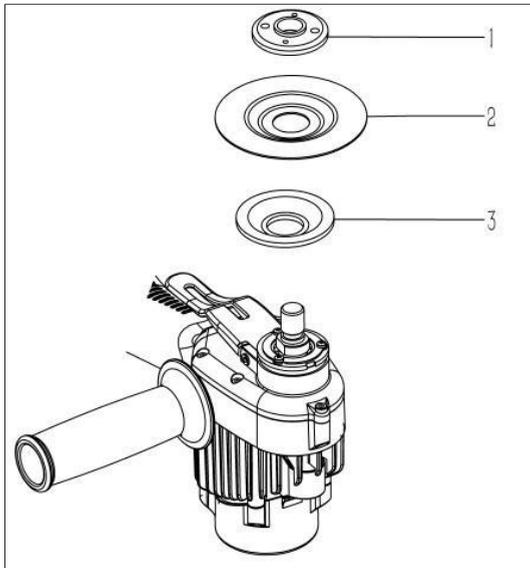
Mounting an Abrasive Disc

1. Ensure the speed selector switch is in the Off position (0).



Caution: To minimize the risk of accidental activation, ensure the speed selector switch is in the Off (0) position before performing any maintenance on the angle grinder, as well as during transport and storage.

2. Place a rubber pad (3) onto the spindle.



3. Position the disc (2) on top of the rubber pad.

4. Press the shaft lock firmly to prevent the spindle from turning, then use the lock nut wrench to screw a lock nut (1) onto the spindle to secure the disc in place.
5. To remove the disc, press the shaft lock firmly to prevent the spindle from turning, then use the lock nut wrench to remove the lock nut from the spindle, freeing the disc and rubber pad.

Mounting a Wire Cup Brush

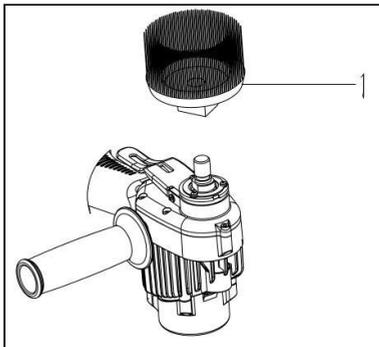
For International versions of the Nemo Submersible Angle Grinder, use a brush suitable for an M14 (14mm) spindle. For U.S. versions, use a brush suitable for a 5/8 in 11 UNC spindle.

1. Ensure the speed selector switch is in the Off position (0).



Caution: To minimize the risk of accidental activation, ensure the speed selector switch is in the Off (0) position before performing any maintenance on the angle grinder, as well as during transport and storage.

2. Remove all accessories from the spindle.
3. Press the shaft lock firmly to prevent the spindle from turning, then thread the wire cup brush (1) onto the spindle and use the lock nut wrench to secure it in place.



4. To remove the brush, press the shaft lock firmly to prevent the spindle from turning, then use the lock nut wrench to loosen the brush.

Mounting a Wire Wheel Brush

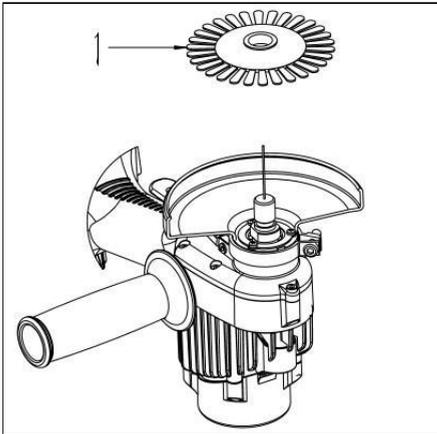
For International versions of the Nemo Submersible Angle Grinder, use a wheel guard and brush for an M14 (14mm) spindle. For U.S. versions, use a wheel guard and brush for a 5/8 in 11 UNC spindle.

1. Ensure the speed selector switch is in the Off position (0).



Caution: To minimize the risk of accidental activation, ensure the speed selector switch is in the Off (0) position before performing any maintenance on the angle grinder, as well as during transport and storage.

2. Press the shaft lock firmly to prevent the spindle from turning, then thread the brush (1) onto the spindle, on top of the wheel guard, and use the lock nut wrench to secure it in place.



3. To remove the brush, press the shaft lock firmly to prevent the spindle from turning, then use the lock nut wrench to loosen the brush.

Pressurizing the Angle Grinder for Underwater Use

Your angle grinder can be used in any wet conditions, and can be submerged and used underwater at depths of up to 164 ft (50 m). Before submerging the Angle Grinder to any depth, it must be pressurized.

- 1. IMPORTANT :** Move the speed selector switch to the Off (**0**) position .(The tool must be pressurized in the Off (**0**) position for the interior pressure sensor to work properly .)
2. Remove the red cap from the pressure valve on the foot of the angle grinder.
3. Attach a pump, such as the hand pump supplied with the angle grinder, to the valve.
4. Pressurize the angle grinder according to the depth to which you are going to submerge it, as follows:
5. Pull the trigger switch to activate the blinking LED light and confirm you have the tool pressurized to the desired pressure and depth . (This pre-dive pressure check is necessary to activate the pressure sensor for underwater use .)

Depth in meters	Depth in feet	Pressure
Up to 5m	16 feet	Minimum 15 psi (1 Bar)
Up to 10m	33 feet	Minimum 29 psi (2 Bars)
Up to 20m	66 feet	Minimum 44 psi (3 Bars)
Up to 30m	98 feet	Minimum 58 psi (4 Bars)
Up to 40m	131 feet	Minimum 73 psi (5 Bars)
Up to 50m	164 feet	Minimum 87 psi (6 Bars)



Caution: Never add more than 87 psi (6 Bars) of pressure to the angle grinder.

Pressurizing the Battery for underwater use

You must pressurize the battery before using the Angle Grinder underwater . To pressurize , remove the red cap covering the Schrader valve and attach a suitable pump to the Schrader valve . Pressurize the battery to at least 3 bars . Pressurizing over 3 bars may activate the over-pressure relief valve and release too much air from the battery. (If the over-pressure relief valve releases air before reaching 3 bars , contact Nemo Power Tools for a replacement relief valve .) After pressurizing the battery, replace the red cap on the Schrader valve.



Best Practices for Underwater Operation

Your Nemo Submersible Angle Grinder is designed to be waterproof, so that it can be used both on land and underwater. To obtain the maximum serviceable life of your angle grinder, adhere to the following best practices when using the angle grinder underwater:

- ◆ You must pressurize the angle grinder before you can use it underwater, as described in *Pressurizing the Angle Grinder for Underwater Use*, page 22.
- ◆ After pressurizing the tool to 1 bar or above 1 bar , you will notice that the tool spindle rotates about 20 % slower . This feature is designed to draw fewer amps underwater and increase battery and tool life.
(When a large surface area rotates underwater, the water density causes considerable resistance or drag. To keep underwater drag from drawing a large amp-load from the battery , the tool is equipped with a pressure sensor that reduces the tool speed when the tool is prepared for underwater use and pressurized to 1 bar or above) .
- ◆ Always check the tool for the correct pressure by activating the On/Off switch before taking the tool underwater .It is easy to monitor the pressure inside the Angle Grinder . The tool is equipped with a LED light that blinks 6 times quickly when the tool is unpressurized and flashes slowly when pressurized to 1 bar or more. The LED emits one slow flash for each bar of pressure inside the tool . For example , 3 slow flashes means the tool is pressurized to 3 bars. Pulling the On / Off “ dead-man`s switch “ activates the LED when the speed switch is in the Off (0) position.
- ◆ Do not exceed the maximum operational depth as recommended by the manufacturer.
- ◆ The angle grinder is a hi-tech piece of equipment and should be treated with care. Its watertight seals may be damaged if it is dropped.

- ◆ When moving about or working underwater, the angle grinder should be secured to you by a tool leash at all times.
- ◆ The angle grinder can be used in salt water.



Note: After using the angle grinder in salt water, immediately rinse it in fresh water to remove all salt residue.

- ◆ Before storing the angle grinder in the carrying case after use in water, rinse it with fresh water and dry it off.
- ◆ Treat the high quality battery with care. Keep the battery fully charged and dry, ready for use, and always store it in the carrying case when not in use.
- ◆ To extend the operating time of the battery when working underwater, ensure the speed selector switch is in the Off (0) position when the angle grinder is not actively cutting, particularly when there will be a long time between cuts. When the speed selector switch is in this position, the battery does not supply any power to the motor, conserving battery power.
- ◆ To further extend the operating time of the battery when working underwater, Nemo Power Tools recommends using discs with a maximum diameter of 5 inches (125 mm) and no thicker than 3/32 inch (3mm) to reduce underwater drag.
- ◆ Post dive maintenance : Water trapped inside the female battery connection may corrode the terminals . Use compressed air to flush out any remaining water trapped in the 3 large holes on the battery connection.

Operating the Angle Grinder

Switching the Angle Grinder On or Off

1. Ensure that the speed selector switch is in the Off position (0).



Note: The On/Off trigger functions as a dead man's switch. The angle grinder will not switch on if the speed selector switch is not in the Off position when the On/Off trigger is first pressed.

2. Press and hold the On/Off trigger.
3. Move the speed selector switch as follows:
 - ◆ Move the switch to **1** to select low speed.
 - ◆ Move the switch to **2** to select high speed.



4. To switch off the angle grinder, release the On/Off trigger, and move the speed selector switch to the Off position (**0**).



Note: To extend the operating time of the battery when working underwater, ensure the speed selector switch is in the Off (**0**) position when the angle grinder is not actively cutting.

Performing Grinding and Sanding Operations

1. Ensure the angle grinder is on and rotating at full speed before making contact with the workpiece.
2. Keep the edge of the wheel or disc at approximately a 15-degree angle to the workpiece.
3. When working with a new wheel, only work the angle grinder toward you until the edge of the wheel has been rounded off. If you attempt to work the angle grinder away from you before the edge of the wheel has been rounded off, it will cut into the workpiece. Once the edge of the wheel has been rounded off, you can work the angle grinder both toward and away from you.

Performing Cutoff Operations

1. Ensure the angle grinder is on and rotating at full speed before making contact with the workpiece.
2. Keep the edge of the wheel perpendicular to the workpiece being cut.
3. Do not apply unnecessary pressure or attempt to make excessive depths of cut. Both of these can cause kickback, wheel breakage, and overheating of the angle grinder motor. (See **Battery Safety Feature** , page 32).
4. Always move the angle grinder forward over the workpiece surface.

How to preserve the battery life and store your Nemo Power Tools

Before using a Nemo Power Tool, ensure that the battery for the tool has been fully charged to 100%.

Do not operate a Nemo Power Tool, when the battery of the tool is low in power.

If the battery power becomes low, stop work immediately and recharge the battery.

When not in use, the Nemo Power Tool should be safely stored away with the battery disconnected from the power tool.

Never leave the battery connected to the Nemo Power Tool longer than 24 hours when not in use.

Make sure there is no metal or other things to block the connector after every dive and keep the brass pin dry when storing.

Post dive maintenance. :Water trapped inside the female battery connection may corrode the terminals . Use compressed air to flush out any remaining water trapped in the 3 large holes on the battery connection.

Maintenance

Servicing the Angle Grinder

If your angle grinder is damaged or faulty, have it repaired by an authorized service technician.



Caution: Under no circumstances should the angle grinder be opened for repairs or any other purpose by anyone other than an after-sales service technician authorized by Nemo Power Tools. Opening the angle grinder invalidates the manufacturer warranty.

Transporting the Angle Grinder

For maximum protection, always transport your angle grinder secured in its carrying case.

The battery pack has effective protection against internal over-pressure and short-circuiting, as well as devices preventing violent rupture and dangerous reverse current flow.

The regulations governing dangerous goods may be relevant when transporting the angle grinder and its batteries. It might be necessary to comply with special conditions, such as those governing packaging and labeling, when shipping the tool with one or more batteries.

Disposing of the Angle Grinder

At the end of its lifecycle, the angle grinder, its accessories, and packaging should be sorted for environmentally friendly recycling.

Do not dispose of the battery pack in household waste, fire, or water. Battery packs should be collected, recycled, or disposed of in an environmentally friendly manner.

Troubleshooting Battery and Charger

Problem: The battery is not charging, and there is a blinking red light on the battery charger.	
Possible Cause	Corrective Action
The battery is not correctly inserted into the charger.	Remove the battery from the charger, then re-insert it correctly.
The battery contacts are contaminated.	Clean the battery contacts, for example by repeatedly removing and inserting the battery, or replace the battery.
The battery is defective.	Replace the battery.

Problem: The battery charger indicator does not light up.	
Possible Cause	Corrective Action
The mains plug is not correctly plugged in to the socket.	Insert the mains plug fully into the socket outlet, and ensure that the socket is functional.
The socket outlet, mains cable, or battery charger are defective.	Check the voltage power; have the battery charger checked by an authorized after-service agent.



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Problem: The battery charger is warm to the touch.	
Possible Cause	Corrective Action
Continuous or repetitive charging cycles without a break may cause the charger to warm up.	No corrective action is required as this does not indicate a fault with the battery charger.

Problem: The battery operation time is significantly reduced, even after the battery is fully charged.	
Possible Cause	Corrective Action
The battery is defective, or has reached the end of its life (approximately 1000 charging cycles).	Replace the battery.

Problem: The angle grinder does not rotate when the On/Off trigger is pressed.	
Possible Cause	Corrective Action
The speed selector switch was not in the Off position when the On/Off trigger was first pressed.	Push the speed selector switch to the Off position (0), then press the On/Off trigger. Once you have pressed the trigger, move the speed selector switch to the right to select the speed of rotation.
The battery has not been charged sufficiently.	Charge the battery and then try to use the angle grinder again.

Battery Safety Feature

A battery that " fails " or seems to have a short life before it shuts down , may simply be a battery that has gone into its SAFE mode .

A battery that has experienced an excessive current draw from a short circuit , or a high current draw when the tool was under an excessive load , may shut down prematurely . This is a built-in safety feature.

If the battery contacts are not damaged , recharging the battery for a short period (even a few minutes) will reset the battery's electronics and restore the battery voltage to the voltage level before it shut down.

If this battery or another battery experiences the same problem immediately upon restarting the tool , then a short circuit should be suspected and the tool should be inspected for needed repair .

(Burnt battery contacts are usually an indication of a short circuit .)

Disclaimer :

Nemo Power Tools Ltd reserves the right to change the contents of this manual at any time without prior notice .

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