

A person wearing blue jeans and brown boots is holding a black Grabo device on a large, flat rock. The person has a tattoo on their right arm. The background is a blurred outdoor setting with green foliage and a dirt path.

Product Catalog 2023

GRABO®
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A Brief History

Our journey began in 2010 when the company started customized designing and manufacturing of power tools for scientific and government organizations. These hi-precision, custom-built, completely waterproof power tools were supplied to the US Marine Corps, Israeli Defense Forces and many other clients with special requirements.

In the year 2013, Nimo Rotem and Oleg Zhukov, the founders of Nemo Power Tools, took a giant leap of faith by venturing into the mass market. The objective was to adopt the technology and design and build philosophy. We then took this strategic approach and began marketing these products to the public.

With the decision in place, the company introduced its line of premium power tools and accessories for both professionals and individuals. For instance, borrowing battery and electronics efficiencies from drones, or the cooling systems used in computers, and even fabrication methods for marine gear. The very first product range in this regard targeted the offshore drilling industry and commercial divers. This product line included cordless waterproof tools, scuba diving lights, lasers and other relevant marine-grade equipment. We have come a long way since then.

With the 2014 launch of mass-market power tools, we have expanded the product range to include heavy-duty equipment for both off-shore and on-shore professionals. This product range of premium tools covers several models of drills, impact wrenches, impact drivers, angle grinders, a reciprocating saw and hammer drills.

In 2019, Nimo Rotem patented GRABO. A tool that revolutionized heavy-lifting equipment, especially in the construction industry. The product is unmatched in build quality, design simplicity and work efficiency for both professionals and hobbyists. Hence, making it the bestseller in many countries soon after its launch.

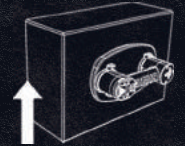
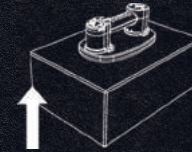


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Max Lifting Force



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Glass	375 lb	170 kg	265 lb	120 kg
Metal	242 lb	110 kg	242 lb	110 kg
Plastic	220 lb	100 kg	220 lb	100 kg
Wood	220 lb	100 kg	143 lb	65 kg
Ceramic Tile	375 lb	170 kg	265 lb	120 kg
Rough Concrete	176 lb	80 kg	176 lb	80 kg
Drywall	165 lb	75 kg	143 lb	65 kg
Rough Slate	176 lb	80 kg	176 lb	80 kg





		
MODEL	NEMO GRABO	GRABO PRO-LIFTER 20
FUNCTIONAL PARAMETERS		
Maximum Lifting Capacity	375Lbs (170 kg)	375Lbs (170 kg)
Rated Power	16W	
Charger Input Voltage	100-240VAC 50/60Hz	
Battery Charging Time	~2hrs	
Non-Stop Running Time (Full Charge)	90 min	90 min
Running Cycles (ON-OFF Cycles of 10 Seconds On Full Charge)	900	900
Stand-by Mode (Charge Hold)	30 Days	30 Days
Pump Service Life	100000+ ON-OFF cycles / 800+ hrs continuous action	
With Automatic OFF Switch	No	Yes
Rated Air Flow	0.7cfm (20 L/min)	0.7cfm (20 L/min)
Maximum Vacuum Rate	11.6Psi (0.8 Bar, 80 kPa)	
Battery	14.8VDC 2600mAh Li-ion	14.8VDC 2600mAh Li-ion
PHYSICAL AND ELECTRONIC CHARACTERISTICS		
L x W x H	11.67 x 7.12 x 4.76" (297 x 181 x 121 mm)	11.77 x 7.22 x 4.76" (300 x 184 x 121 mm)
Net Weight (With Battery)	3.3Lbs (1.6 kg)	3.2Lbs (1.5 kg)
Working Temperature	32°F~140°F (0°~60 °C)	
KIT		
Gauge Type	Mechanical With Protective Rubber Cover	Smart Digital Pressure Sensor
Number of Batteries	1 or 2 based on Kit	1 Total
Carry Bag	Soft Canvas Bag or Hardshell Case	Soft Canvas Bag or Hardshell Case
Charger	Multi Socket Charger	
Number of Seals	1 or 2 based on Kit	1 Total
Warranty	1 Year Basic Warranty as outlined on WWW.GRABO.COM	1 Year Basic Warranty as outlined on WWW.GRABO.COM
Miscellaneous	Use for all surface types, without automatic stop function, without display and electronic pressure gauge. NOTICE: Due to the high pressure that is created with the Nemo GRABO® we strongly recommend that you do not attempt to attach the Nemo GRABO® to glass thinner than 6mm thick. Damage can occur to glass that is thinner than 6mm thick.	Use for all surface types, with automatic stop function at 11.6Psi, with digital display and electronic pressure gauge. NOTICE: Due to the high pressure that is created with the GRABO® Pro-Lifter 20 we strongly recommend that you do not attempt to attach the GRABO® Pro-Lifter 20 to glass thinner than 6mm thick. Damage can occur to glass that is thinner than 6mm thick.*

Based on product information at the time of publication. Environmental conditions can effect product performance and longevity; consult the product manual on GRABO.com or contact a Sales Representative for more information.

GRABO® Pro-Lifter



GRABO Pro-Lifter comes as a complete unit, with pre-installed battery and vacuum seal. That is not all. There are other accessories in the kit, including a multi-socket charger and a heavy duty carry bag. The complete kit is packaged in a functionally designed colorful box.

Model/SKU	Grabo Pro-Lifter 20 / GP-1 Li-FB
Battery	14.8VDC 2600mAh Li-ion
Rated Power	16W
Charger Input Voltage	100-240VAC 50/60Hz
Battery Charging Time	~2hrs
Non-Stop Running Time (Full Charge)	1.5hrs
Running Cycles (On Full Charge)	900 ON-OFF cycles of 10 seconds
Stand-by Mode	30 days
Pump Service Life	100,000+ ON-OFF cycles / 800+ hrs continuous
Rated Air Flow	0.7 cfm (20 L/min)
Maximum Vacuum Rate	11.6Psi (0.8 Bar, 80 kPa)
Maximum Lifting Capacity	375 lb (170 kg)
L x W x H	11.77 x 7.22 x 4.76" (300 x 184 x 121 mm)
Net Weight (with Battery)	3.2 lb (1.5 kg)
Working Temperature	32~140°F (0~60°C)
Applicable Surface Type	Peak/valley heights less than 0.1" (3 mm), arc less than 5°
Additional Features	Pump stops automatically at maximum vacuum rate (11.6Psi / 0.8 Bar)





Every Nemo GRABO tool comes as a complete unit, with a pre-installed battery and vacuum seal. To ensure that you don't have to bother with finding the right supplies, a charger is included in the kit. We pay attention to every detail, therefore to make your life easier we've included a heavy-duty carry bag in the kit, so you can keep all the components and accessories in one place. The complete kit is packaged in a functionally designed colorful box that can easily fit in any tool kit or small compartment, making storage easy.

Model/SKU	Nemo GRABO / NG-1B-FB
Battery	14.8VDC 2600mAh Li-ion
Rated Power	16W
Charger Input Voltage	~2hrs
Battery Charging Time	1.5hrs
Non-Stop Running Time (Full Charge)	900 ON-OFF cycles of 10 seconds
Running Cycles (On Full Charge)	30 days
Stand-by Mode	100,000+ ON-OFF cycles / 800+ hrs continuous
Pump Service Life	0.7 cfm (20 L/min)
Rated Air Flow	11.6Psi (0.8 Bar, 80 kPa)
Maximum Vacuum Rate	375 lb (170 kg)
L x W x H	12.1 x 7.37 x 4.91" (297 x 181 x 121 mm)
Net Weight (with Battery)	3.3 lb (1.6 kg)
Working Temperature	32~140° F (0~60° C)
Applicable Surface Type	Peak/valley heights less than 0.1" (3 mm), arc less than 5°

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Foam seal



With continuous usages the seals wear out. When the GRABO seal finally wears out, the lifting capacity diminishes. In this case you can replace the worn seal by hand within seconds. You can use the spare one supplied with the kit. Alternatively you can buy as many from any of the distributors or retailers. This patented high friction foam-rubber seal fits all GRABO models.

BLACK FOAM SEAL

Material	SBR rubber foam sponge
Color	Black
L x W x H	11.5 x 6.9 x 0.7" (293 x 175 x 19 mm)
Density	10.6 lb/cft (170 kg/m ³)
Hardness, Shore C	~ 10 +/-2
Tearing Pressure	1800 Psi (126 kg/cm ²)
Compression to 25% size	8.5 Psi (6000 kg/cm ²)
Water Absorption %	<=5
Shrinkage at 160°F (70°C) for 24 hrs %	<=20
Recommended Storage Temperature	Room temperature

RED SEAL

Material	Silicon Foam
Color	Red
Density	40.5 lb/cft (650 kg/m ³)
Hardness, Shore C	55 +/-5
Water Absorption %	<=4
Recommended Storage Temperature	Room temperature

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Rockseal

With continuous usages the seals wear out. When the GRABO seal finally wears out, the lifting capacity diminishes. In this case you can replace the worn seal by hand within seconds.

You can use the spare one supplied with the kit. Alternatively you can buy as many from any of the distributors or retailers. This patented high friction foam-rubber seal fits all GRABO models.



Slenderseal

After much feedback from real life end users and after a lot of engineering from the GRABO team, we are happy to launch the Slender Seal. The Slender Seal is a replacement seal for the GRABO tool. Just like any other replacement seal for the GRABO, just pull the existing seal out from the bottom of the GRABO and press the new seal in place. The Slender Seal has a skinnier footprint for those more slender materials where a normal GRABO footprint is just too big to fit. With a 4 inch wide footprint, the Slender Seal will have no problem gripping on to more slender materials any GRABO user is used to such as; tile, stone, glass, metal, wood, and much more.



One of the objectives for making a portable heavy lifting tool was to reduce work related fatigue or injuries. Working long days in a bent down position to lift materials may have an impact on your back. To avoid this scenario, we have developed the Erguo S1 portable lifting attachment.

The ergonomically designed attachment allows the worker to operate the GRABO tool without bending. The attachment easily fits into the 4 lifting lugs next to the grab handles of the tool. Simply activate the GRABO tool to lift your material, lift and position the material, and release the tool from the material, all this is done in one swift motion without bending down. The actuator on the handle bar helps in controlling the functions. The Erguo S1 attachment is compatible with all models, except the Grabo H as that is designed for simpler and shorter duration usage.

L x W x H	24.5 x 8 x 4.5" (620 x 200 x 113 mm)
Weight	2 lb (~0.75 kg)
Material	22 lb (10.1 kg)
Color	Black Anodize
Max. Lifting Weight	265 lb
Features	Remote ON-OFF Lever



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Battery



If you are working in a remote location or need spare batteries, then just order as many from any of our suppliers.

These batteries are as powerful as the ones supplied with the tool. A full battery charge delivers up to 900 operating cycles or 2 hours of uninterrupted run time. The high-capacity battery can be used with all models except GRABO H.

The GRABO H is designed for lighter use by hobbyists and DIY workers. It delivers the same excellent performance as the Pro models but at a lower purchase price. Since it's designed for limited applications, it uses less power. GRABO H uses the medium-capacity battery, purpose built for the model.

Type	Li-ion 2600 mAh / 14.8 V (4x cells 3.7 V)
L x W x H	3.5 x 2.8 x 2.2" (90 x 70 x 55 mm)
Weight	0.7 lb (0.28 kg)
Rated Capacity	2.6 Ah
Nominal Voltage	14.8 V
Charge Voltage	16.8 V
Charge Current	520 mA
Operating Temperature	32-115° F (0-45° C) Charge -4-257° F (-40-125° C) Discharge
Storage Temperature	-40-257° F (-40-125° C)
Overcharge Protection	4.25 V
Features	Overcharge / overdischarge / over current protection. Fits all GRABO models
Long Term Storage	For storage over 3 months, store in dry and cool place at 40-70° F (~5-20° C). Charged to 14.4-15.6 V (80-90% of full charge).



Battery Charger



Chargers can get damaged during work. But don't worry as we have plenty more stocked to maintain your uninterrupted workflow.

It is the same charger that is included in the kit. GRABO battery charger that can be used with voltages from 100 to 240 volts at 50/60Hz, and any electrical socket types around the world (socket types A, C, I). This multisocket battery charger can be used with all models except GRABO H.

Type	AC/DC Converter
Unput Voltage, VAC	100 110 240
Input Frequency, Hz	47 50/60 63
Input Current, A	0.5 A max (@200-240 VAC)
Output Voltage, VDC	16.8 V rated, 8-12 V under load
Output Current, A	200-400 mA under load, 1.4 A max
Rated Power	23.52 W
L x W x H	3.8 x 1.8 x 1.2" (95 x 46 x 30 mm)
Wall Socket Connectors	US / EU /UK multisocket head (fits all power grids)
Operating Temperature	32-105° F (0-40° C)
Storage Temperature	-4-185° F (-20-85° C)
Working Conditions	Indoor use only – Not waterproof (IP0)

Seamsetter

Rejoice Stone Fabricators and Countertop Installers! The GRABO seam setter is one of the highest quality seam setters on the market today. It uses 2 Grabos, durable stainless steel beams and high quality machined aluminum tightening thumbscrews. It's a must have for professional large format panel handlers. No more hand pump action cups on your valuable material, carefully and securely set your materials with the new GRABO Seam Setter. Best of all, it beats the prices of all other types of seam setters with similar features to offer you the best value.



GRABO Pro in Hardshell Case



The GRABO Pro Kit is also available in a hardshell case as an upgrade option to the standard canvas bag case.

This new case will protect your GRABO tool from being crushed, dust, debris, and all the elements on a job site. Stay protected and stay organized with the new GRABO Blow Mold Hardshell Case!



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Izzy Swan Cabinet Plates

The GRABO Cabinet Installation Plates by Izzy Swan are here to offer you a safe and easy solution to hang and install cabinets all by yourself! The Cabinet Plates attach to any GRABO tool using the metal anchor points on the base plate of the GRABO tool. The plates are screwed in with the two bolts that are included with the plates.

These plates give you the ability to utilize a flat, stable, and level surface for you to set heavy object on top of. This frees up the task of holding your cabinet or shelf up while you level, and drill your screws into the wall. Stop the struggle and hang cabinets the easy way all by yourself! This set includes two (2) plates.



Izzy Swan Vacuum Plate

Designed to easily connect your GRABO Lifter to a pneumatic hose. Use your GRABO to pull a vacuum in chamber pots, vacuum bags & more. Simply place your GRABO on the vacuum plate & turn it on.

Easily pulls 25 inHg / 12.25 PSI / 0.85 Bar / 85kPa of vacuum pressure.

This listing includes one vacuum plate & one brass hose fitting. GRABO, hose, vacuum chamber & vacuum bags are not included.



Panel Handler by Filachip

The Panel handler is the only system which presses the frame itself against the flat surface. The Aluminum rail is pressed against a surface such as a porcelain tile, granite, quartz countertops, thus creating a very rigid solid unit removing the possibility for the material to bend or break.

All other systems in the market currently connect to the slab via the suction cup material (rubber or foam of various types) while the aluminum frame does not touch the surface. These other systems allow the slabs to flex, bend and break.

The panel handler rail system, however, uses several GRABO tools to adhere the aluminum frame directly against the large surface with direct contact between the metal and the surface. The handler makes it possible for 2 people to move large slabs safely and effectively while reducing the chance of breakage.

The Panel Handler material handling system can only be used with GRABOs from Nemo Power Tools. (Sold Separately)

- Partial slabs can be moved using the Panel Handler with 4 GRABOs
- Full slabs can be moved using the Panel Handler with 6 GRABOs



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Probst Solo

The GRABO SOLO attachment handle is ideal for moving and laying tiles and pavers. It is an all stainless-steel attachment designed to securely connect with the GRABO via the 4 standard metal anchoring points.

With the SOLO carrying handle, the user can pick up and place pavers without bending over, thus protecting his back from injuries and improving the quality and efficiency of his work.



Probst Duo

The Probst DUO attachment handle is a metal attachment which easily and securely connects to the GRABO's 4 metal anchoring points. The attachment is ideal for laying tiles and flooring panels with precision. The DUO carrying handles makes it easier for two workers to work together in an upright position for large and heavy materials.



The OTTOVAC is a brand new power tool that is going to change the way glaziers move and install glass. It is an electric vacuum cup. It presents itself in a traditional pump action style cup, however this sucks onto your material with simply the push of a button, as well as releases pressure with that same button.

This new tool completely removes the pump action that is traditionally needed to gain suction to the cup in addition, it also removes any mistrust on the actual vacuum suction the tool has on your glass because this new tool comes with the revolutionary automatic on / off sensor. The automatic on / off sensor is built in the tool that tells the vacuum pump to engage to build suction, and to stop when it reaches sufficient vacuum, careful not to build too much suction and break or "pop" your glass. On the other side of the issue, in the event the tool begins to lose suction or "bleed" the tool will kick back in and regain suction, so you'll always be in the safe zone for as long as you need it. The tool is rated to safely hold up to 220 lb. and is powered by 4 AA batteries and will be available worldwide Fall 2022.

Model	OTTOVAC-V1 (OV-V1)
Batteries	Alkaline AA 1.5 V (x4)
Working voltage	6 V
Rated power	6 W
Working cycle	1500 ON-OFF cycles of 10 seconds
Service life	> 10000 times, > 800h
Rated air flow	4 l/min
Maximum vacuum rate	-0.7 bar (-70 kPa)
Maximum lifting capacity	440 lb (200 kg)
Dimensions	200 x 200 x 90 mm
Net weight (with battery)	2.6 lb (1.2 kg)
Working temperature	0-60°C (32-140°F)

Brace Seal



Introducing the BRACE SEAL for all GRABO POWER TOOLS. The brace seal is a new replacement seal for the GRABO specifically designed with thin materials in mind. This new low profile seal has a full silicon footprint that will be pressed firmly up against the material inside the vacuum chamber you're using the GRABO on, so that there is a "brace" that prevents your material from getting pulled or sucked into the GRABO too much from a strong vacuum suction, that might result in your material popping, bending, or breaking. In the past, we've learned that fragile glass specifically thinner than 6mm has a tendency to pop or break.

Another practical application for the Brace Seal is that when using a GRABO on a flexible material, such as plastic wrapping, the wrap will get pulled into the vacuum pump too much and can be difficult to remove, the silicon brace prevents flexible material such as a plastic bag of concrete mix, or agricultural feed or soil being pulled into the vacuum. Using a Brace Seal with the GRABO Tool now gives you the ability to lift and move these bags around the shop, the job site, yard or farm. This seal is available now at a dealer near you!







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