expondo

Safety & Operating Instructions

DE	Sicherheits- und Betriebsanweisungen
PL	Instrukcje dotyczące bezpieczeństwa i obsługi
CZ	Bezpečnostní a provozní pokyny
FR	Consignes de sécurité et d'utilisation
IT	Istruzioni per la sicurezza e l'uso
ES	Instrucciones de seguridad y funcionamiento
HU	Biztonsági és használati útmutató
DK	Sikkerheds- og betjeningsvejledning
FI	Turvallisuus- ja käyttöohjeet
NO	Sikkerhets- og bruksanvisning
NL	Veiligheids- en bedieningsinstructies
SE	Säkerhets- och bruksanvisningar
PT	Instruções de segurança e de funcionamento
SK	Bezpečnostné a prevádzkové pokyny
BG	Инструкции за безопасност и експлоатация
GR	Οδηγίες ασφαλείας και λειτουργίας
HR	Sigurnosne i upute za rad
LT	Saugos ir naudojimo instrukcijos
RO	Instrucțiuni de siguranță și operare
SL	Varnost in navodila za uporabo

TRANSMISSION JACK

MOTOR TECHNICS

expondo.com

DE	Produktname	Getriebeheber
EN	Product name	Transmission jack
PL	Nazwa produktu	Podnośnik do skrzyni biegów
CZ	Název výrobku	Zvedák převodovky
FR	Nom du produit	Cric de boîte de vitesses
IT	Nome del prodotto	Sollevatore per cambio
ES	Nombre del producto	Gato para caja de cambios
HU	Termék neve	Sebességváltó-emelő
DA	Produktnavn	Gearkassenløfter
FI	Tuotteen nimi	Vaihdeistonostin
NL	Productnaam	Versnellingsbakhefter
NO	Produktnavn	Girkassejack
SE	Produktnamn	Växellådslyft
PT	Nome do produto	Macaco para caixa de câmbio
SK	Názov produktu	Zdvihák prevodovky
BG	Име на продукта	Крик за скоростна кутия
EL	Όνομα προϊόντος	Γρύλλος κιβωτίου ταχυτήτων
HR	Naziv proizvoda	Dizalica mjenjača
LT	Produkto pavadinimas	Pavarų dėžės keltuvas
RO	Numele produsului	Cric pentru cutie de viteze
SL	Ime izdelka	Dvigalo za menjalnik

DE Modell | **EN** Product model | **PL** Model produktu | **CZ** Model výrobku | **FR** Modèle | **IT** Modello | **ES** Modelo | **HU** Modell | **DA** Model | **FI** Tuotteen malli | **NL** Productmodel | **NO** Produktmodell | **SE** Produktmodell | **PT** Modelo do produto | **SK** Model | **BG** Модел на продукт | **EL** Μοντέλο προϊόντος | **HR** Model proizvoda | **LT:** Gaminio modelis | **RO:** Model de produs | **SL:** Model izdelka	MSW-GH-01
DE Hersteller | **EN** Manufacturer | **PL** Producent | **CZ** Výrobce | **FR** Fabricant | **IT** Produttore | **ES** Fabricante | **HU** Termelő | **DA** Producent | **FI** Valmistaja | **NL** Producent | **NO** Produsent | **SE** Tillverkare | **PT** Fabricante | **SK** Výrobca | **BG** Производител | **EL** Κατασκευαστής | **HR** Proizvođač | **LT** Gamintojas | **RO** Producător | **SL** Proizvajalec	expondo Polska sp. z o.o. sp. k.
DE Anschrift des Herstellers | **EN** Manufacturer Address | **PL** Adres producenta | **CZ** Adresa výrobce | **FR** Adresse du fabricant | **IT** Indirizzo del produttore | **ES** Dirección del fabricante | **HU** A gyártó címe | **DA** Producentens adresse | **FI** Valmistajan osoite | **NL** Adres producent | **NO** Produsentens adresse | **SE** Tillverkarens adress | **PT** Endereço do fabricante | **SK** Adresa výrobcu | **BG** Адрес на производителя | **EL:** Διεύθυνση κατασκευαστή | **HR** Adresa proizvođača | **LT** Gamintojo adresas | **RO** Adresa producătorului | **SL** Naslov proizvajalca	ul. Nowy Kisielin – Innowacyjna 7, 66-002 Zielona Góra | Poland, EU

This User Manual has been translated using machine translation. We have made every effort to ensure the translation is accurate, but please note that automated translations are not perfect and are not meant to replace human translators. The official version of the User Manual is in English. Any differences between the translated version and the original English are not legally binding. If you have any questions about the accuracy of the translation, please refer to the English version, which is the official reference. More language versions are available upon request via info@expondo.com.

Technical data

Parameter description	Parameter value
Product name	Transmission Jack
Model	MSW-GH-01
Max load [kg]	500
Max height [mm]	1800
Min height [mm]	805
Dimensions [width x length x height; mm]	620 x 790 x 805
Weight [kg]	41.7

1. General description

The user manual is designed to assist in the safe and trouble-free use of the device. The product is designed and manufactured in accordance with strict technical guidelines, using state-of-the-art technologies and components. Additionally, it is produced in compliance with the most stringent quality standards.

DO NOT USE THE DEVICE UNLESS YOU HAVE THOROUGHLY READ AND UNDERSTOOD THIS USER MANUAL.

To increase the product life of the device and to ensure trouble-free operation, use it in accordance with this user manual and regularly perform maintenance tasks. The technical data and specifications in this user manual are up to date. The manufacturer reserves the right to make changes associated with quality improvement. The device is designed to reduce noise emission risks to a minimum, taking into account technological progress and noise reduction opportunities.

Legend


The product satisfies the relevant safety standards.


Read instructions before use.


Note! Make sure bystanders remain within a safe distance from the working area.


WARNING! or **CAUTION!** or **REMEMBER!** Applicable to the given situation.
(general warning sign)


Wear protective goggles.


Wear protective gloves.


Wear head protection.



ATTENTION! Hand crush hazard!



PLEASE NOTE! Drawings in this manual are for illustration purposes only and in some details may differ from the actual product.

2. Usage safety



ATTENTION! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in serious injury or even death.

The terms "device" or "product" are used in the warnings and instructions to refer to Transmission Jack.

2.1. Safety in the workplace

a) Make sure the workplace is clean and well lit. A messy or poorly lit workplace may lead to accidents. Try to think ahead, observe what is going on and use common sense when working with the device.
b) If you discover damage or irregular operation, immediately switch the device off and report it to a supervisor without delay.
c) If you are unsure about whether the product is operating correctly or if you find damage, please contact the manufacturer's service centre.
d) Only the manufacturer's service centre may make repairs to the product. Do not attempt to make repairs yourself!
e) Children or unauthorised persons are forbidden to enter a work station. A distraction may result in loss of control over the device.
f) Regularly inspect the condition of the safety labels. If the labels are illegible, they must be replaced.
g) Please keep this manual available for future reference. If this device is passed on to a third party, the manual must be passed on with it.
h) Keep packaging elements and small assembly parts in a place not available to children.
i) Keep the device away from children and animals.
j) If this device is used together with another equipment, the remaining instructions for use shall also be followed.



Remember! When using the device, protect children and other bystanders.

2.2. Personal safety

a) Before commencing work, make sure to carefully read and understand this operation manual!
b) All safety recommendations must be followed to avoid possible damages resulting from improper use of the equipment.
c) If the machine is operated contrary to its intended use or handled improperly, the manufacturer's liability for damage is excluded.
d) Do not use the device when tired, ill or under the influence of alcohol, narcotics or medication which can significantly impair the ability to operate the device.
e) The machine may be operated by physically fit persons who are able to handle the machine, are properly trained, who have reviewed this operating manual and have received training in occupational health and safety.
f) The product is not designed to be handled by persons (including children) with limited mental and sensory functions or persons lacking relevant experience and/or knowledge unless they are supervised by a person responsible for their safety or they have received instruction on how to operate the product.
g) When working with the device, use common sense and stay alert. Temporary loss of concentration while using the device may lead to serious injuries.
h) Use personal protective equipment as required for working with the device, specified in Legend". The use of correct and approved personal protective equipment reduces the risk of injury.

i) Do not overestimate your abilities. When using the device, keep your balance and remain stable at all times. This will ensure better control over the device in unexpected situations.
j) Do not wear loose clothing or jewellery. Keep hair, clothes and gloves away from moving parts. Loose clothing, jewellery or long hair may get caught in moving parts.
k) Remove all adjusting tools or spanners before turning the device on. A tool or spanner left in the revolving part of the device may cause injury.
l) The device is not a toy. Children must be supervised to ensure that they do not play with the device.
m) Do not put your hands or other items inside the device while it is in use!

2.3. Safe device use

a) Read this operation manual and the safety instructions prior to each use of the machine.
b) Before each use, the machine must be checked for possible damages that can result in a failure. This machine must not be operated if its parts are worn out or damaged in a way that prevents proper operation.
c) If the machine has been overloaded or subject to strong shock/vibrations, it must be inspected by a qualified service technician before commencing any work on the machine.
d) This machine must not be operated if it is damaged, worn out or if it does not work properly. If such condition occurs the machine must be handed over to an authorized service center for inspection and repair.
e) Comprehensive periodic inspections of the machine must be carried out and worn out/damaged parts must be always replaced.
f) Do not dismount or replace any parts of the machine.
g) Use only original replacement parts, as recommended by the manufacturer.
h) This machine may only be handled by persons properly trained in safety regulations and physically able to operate the machine.
i) Do not overload the machine with a load exceeding the maximum admissible load.
j) Third parties must be warned about operation of the machine and stay at a safe distance.
k) Do not lift people or animals using this machine.
l) Do not lift the load using the machine over people or animals.
m) Always pay attention to the load.
n) Do not leave the load without supervision.
o) Never exceed the permissible lifting capacity.
p) Never store the machine with a payload attached to it.
q) Lift only one load at a time.
r) No modifications should be made to the machine.
s) After completion of the operation, the machine must be secured against unauthorized use.
t) The machine must be regularly inspected and its damaged or worn out and torn parts must be replaced with new ones by an authorized service.
u) If the load falls, there is a risk of death or injury.
v) If the lift table remains unused for a long period of time, make sure it is clean and free from stains and that the platform is in the lowest position. Avoid contact with moisture, wipe dry if needed and grease all articulated parts.
w) Always secure the load with a chain.
x) The device should only be used on a flat and level surface, with appropriate load bearing rating.
y) The load should always be correctly balanced. Follow motorcycle manufacturer’s instructions for lifting points.
z) Do not move / transport the lift table with a load on it! The lift table may be moved / transported only without a load.
aa) Keep limbs away from the operating area.
bb) Do not modify the device. Do not use the device if any parts are deformed, damaged cracked or if other faults occur which prevent correct operation.
cc) Make sure all the bolts are securely tightened prior to use.

2.4. Additional safety instructions

a) Do not overload the device. Use the appropriate tools for the given task. A correctly-selected device will perform the task for which it was designed better and in a safer manner.
b) When not in use, store in a safe place, away from children and people not familiar with the device who have not read the user manual. The device may pose a hazard in the hands of inexperienced users.
c) Keep the device in perfect technical condition. Before each use check for general damage, especially check moving components for cracked parts or elements, and for any other conditions which may impact the safe operation of the device. If damage is discovered, hand over the device for repair before use.
d) Keep the device out of the reach of children.
e) Device repair or maintenance should be carried out by qualified persons, only using original spare parts. This will ensure safe use.
f) To ensure the operational integrity of the device, do not remove factory-fitted guards and do not loosen any screws.
g) When transporting and handling the device between the warehouse and the destination, observe the occupational health and safety principles for manual transport operations which apply in the country where the device will be used.
h) Avoid situations where the device stops working during use due to excessive loading. This may result in overheating of the drive elements and damage to the device.
i) Do not move, adjust or rotate the device in the course of work.
j) Do not leave this appliance unattended while it is in use.
k) Clean the device regularly to prevent stubborn grime from accumulating.
l) Do not work on two workpieces at the same time.
m) The device is not a toy. Cleaning and maintenance may not be carried out by children without supervision by an adult person.
n) Keep the device away from sources of fire and heat.

ATTENTION! Despite the safe design of the device and its protective features, and despite the use of additional elements protecting the operator, there is still a slight risk of accident or injury when using the device. Stay alert and use common sense when using the device.

3. Use guidelines

The product is a specialized lifting device designed to support, raise, and lower transmissions during installation or removal in vehicles. It is commonly used in automotive repair shops and garages, allowing mechanics to safely handle heavy and complex transmission components with precision.

The user is liable for any damage resulting from unintended use of the device.

Safety principles

1. Position the Jack
   - Position the jack to only lift on the areas of the vehicle as specified by the vehicle manufacturer.
2. Always Use Jack Stands
   - DO NOT USE wood blocks or any other non-approved lifting devices for lifting with the jack or raising a load.
   - Failure to follow these warnings may cause injury or death.
3. Do Not Overload Jack
   - Do not exceed the jack's rated capacity. Overloading can cause damage or failure of the jack.
4. Always Use on Hard, Level Surfaces
5. Chock and Block (Stabilize)
   - Apply the parking brake before operating the jack.
   - A chock is a wedge used to steady an object, hold it motionless, or prevent wheel movement.
   - Chock the wheel opposite to the one being lifted.
   - When blocking a load, ensure the block(s) or stabilizer(s) have a weight capacity greater than the lifted load.

6. Centre Load on Jack Saddle
   - Off-centre loads or using the jack on an uneven surface can cause load loss or damage.
7. Do not raise or lower the vehicle unless tools, materials, and people are clear.
8. Always lower the jack slowly.

3.1. Device description



3.2. Device use



WARNING

- DO NOT USE THE JACK TO SUPPORT OR STABILIZE A LOAD.
- Using the jack for support may cause unexpected movement, leading to serious injury or death.
- Always securely chock and block (stabilize) the lifted load.
- Never place any part of the body under a raised load without proper chocking and support.
- Never use the jack on a curved or tubular vehicle bumper.
- This may cause the vehicle to slip off the jack and fall, leading to severe injury or death.
- Use a bumper lift for vehicles with curved or plastic bumpers.
- Do not move or dolly the vehicle while the jack is in use.

1. RAISING THE JACK

1) Before use, ensure the transmission weight and size do not exceed the jack's capacity.
2) Ensure the vehicle from which the gearbox is being removed is correctly positioned.
3) Check that the handbrake is applied and raised to allow proper positioning of the transmission jack.
4) Ensure there are no other persons around or under the vehicle.
5) Ensure the saddle is in its lowest position, then use the handle to transport and centrally position the jack beneath the vehicle's transmission.
6) Assemble the handle, ensuring it aligns with the slots.
7) Close the release valve by turning it clockwise until it is firmly closed.

8) Pump the handle to lift until the saddle contacts the load. Continue pumping to lift the vehicle to the desired height.
9) After lifting, support the load appropriately before removing the transmission.

2. LOWERING THE JACK

1) Support the load with appropriate means before removing the transmission. Ensure the transmission is stable on the jack saddle and that the load is fixed in place before attempting to lift, lower, or transport.
2) Grasp the handle firmly with both hands. Securely hold the jack handle to prevent slipping and ensure the release valve does not lower too quickly.
3) Carefully open the release valve by slowly turning the handle counterclockwise. (Do not allow bystanders around the jack or under the load when lowering the jack.)
4) Lower the saddle to the lowest possible height before attempting to transport the load.

3. TRANSPORTING THE LOAD

1) Ensure the jack saddle is fully lowered and the load is secured before lifting, lowering, or transporting the transmission.
2) Transport the load over a level and solid ground surface, preferably concrete. Ensure the floor is clean before moving the load.
3) Continuously monitor the load during transit and keep all other persons at a safe distance.
4) DO NOT use the jack on asphalt or any soft surface, as it may sink or tip, causing damage to the transmission or personal injury.
5) WARNING: If the jack tips or leans, STOP IMMEDIATELY and move quickly to a safe distance. DO NOT attempt to hold or steady the jack, as this may result in serious injury or property damage.

4. RE-INSTALLING A GEARBOX

1) Ensure the jack saddle is fully lowered and the load is secure before attempting to lift or transport the transmission.
2) Transport the load over level and solid ground, preferably concrete, and ensure the floor is clean before transporting the load.
3) Continuously monitor the load in transit. Keep all other persons at a safe distance.
4) DO NOT use the jack on asphalt or any soft surface, as it may sink or tip, causing damage to the transmission or personal injury.
5) If the jack tips or leans, STOP IMMEDIATELY. MOVE QUICKLY TO A SAFE DISTANCE. DO NOT TRY TO HOLD OR STEADY THE JACK.
6) Raise the load to the desired height.
7) WARNING: Use with caution when re-installing the transmission, as the load may shift, causing personal injury and/or property damage.

3.3. Cleaning and maintenance

1. Inspection

- Inspect the product for damage, wear, broken, or missing parts (e.g., pins).
- Ensure all components function properly before each use.

2. Binding

- If the product binds under a load, use equipment with an equal or larger load capacity to lower the load safely to the ground.
- After unbinding, clean, lubricate, and test the equipment to ensure proper operation.
- Rusty components, dirt, or worn parts may cause binding.
- Clean and lubricate the equipment as indicated in the Lubrication section.
- Test the equipment by lifting without a load. If the issue persists, contact Customer Service.

3. Lubrication

- Proper lubrication is necessary for safe operation.
- Using the equipment without lubrication can lead to poor performance and damage.
- Some parts are not self-lubricating; inspect and lubricate as needed.
- After cleaning, lubricate using light penetrating oil or a lubricating spray.



NOTE

- Apply a good lubricant on all moving parts.
- For light-duty use, lubricate once a month.
- For heavy and constant use, lubrication is recommended weekly.
- NEVER use sandpaper or abrasive material on these surfaces!

4. Rust Prevention

- Check rams and pump plungers on the power unit daily for rust or corrosion.
- Without a load, lift the equipment as high as possible and inspect underneath and behind lifting points.
- If rust is visible, clean as needed.

5. Storing the Jack

1. Lower the Lifting Arm.
2. Place the handle in the upright position.
3. Store in a dry location (indoor storage recommended).



NOTE If storing the jack outdoors, lubricate all parts before and after use to maintain proper working condition.

Environmental and disposal information

Producer to customer

Dear Sir or Madam,

Let’s take care of the environment! The product you own should not be disposed of with household waste. According to applicable regulations (Directive 2012/19/EU and other local regulations), used equipment must be taken to designated collection points for proper disposal and recycling.



How to Handle the Product at the End of Its Lifecycle?

1. **Electrical and Electronic Equipment:** Products marked with the crossed-out wheeled bin symbol must not be disposed of with household waste. You can:
    - Take it to your local collection point for electrical and electronic equipment.
    - Use the “one-for-one” system (returning the old device when purchasing a new one, if available in your region).
2. **Batteries and Accumulators:** If the product contains batteries, remove them before recycling and take them to designated battery collection points.
3. **Packaging Materials:** Packaging, such as cardboard or plastic, should be sorted and placed in recycling bins.

Why is This Important?

Proper disposal of equipment and packaging materials:

- Protects the environment from harmful substances.
- Enables the recovery of valuable resources.
- Reduces the amount of waste sent to landfills.

Where to Find Information?

Information about waste collection points can be found on local authorities' websites or through your recycling service provider. If needed, contact our customer service team, who will gladly provide further details.

Thank you for your care for the environment and commitment to recycling!

Contact

expondo Polska sp. z o.o. sp. k.
ul. Nowy Kisielin – Innowacyjna 7
66-002 Zielona Góra | Poland, EU
info@expondo.com