



Operating manual

REGO-FIX toolVibe®

Imprint

Name: REGO-FIX toolVibe®

Manufacturer: REGO-FIX AG, Obermattweg 60, CH-4456 Tenniken, Switzerland
Phone +41 61 976 14 66, info@rego-fix.com

Technical changes: We reserve the right to make alterations for the purpose of technical improvement.

Item number: 6000.12419

This instruction manual must be kept for as long as the device is in use.
Please read the operating manual in full and keep it close to the product.

Table of contents

1. General	8	5. Assembly	18
1.1 About this manual	8	5.1 Basic information	18
1.2 Warranty	9	5.2 Assembly of the product	19
1.3 Scope of delivery	9		
2. Basic safety notes	9	6. Operation	19
2.1 Intended use	9	6.1 Basic information	19
2.2 Not intended use	10	6.2 Clamping the tool	21
2.3 Constructional changes	10	6.3 Unclamping the tool	22
2.4 Spare parts	10		
2.5 Environmental and operating conditions	10	7. Maintenance	23
2.6 Personnel qualification	10	7.1 Basic information	23
2.7 Personal protective equipment	11		
2.8 Notes on safe operation	11	8. Troubleshooting	24
2.9 Transport	11	9. Disassembly	24
2.10 Malfunctions	11	9.1 Basic information	24
2.11 Disposal	12	9.2 Disassembly of the product	25
2.12 Fundamental dangers	12		
3. Technical data	13	10. Storage	25
3.1 Product data	13		
3.2 Ambient conditions and operating conditions	13	11. Disposal	25
3.3 Installation details	13		
3.4 Usable tool shank types	14	12. EU Declaration of Conformity	26
4. Design and description	14		
4.1 Design tool holder	14		
4.2 Functional description tool holder	15		
4.3 Design vibration sensor	15		
4.4 Functional description vibration sensor	16		
4.5 powRgrip® Cleaning Instructions	17		

1. General

1.1 About this manual

This manual contains important information for a safe and appropriate use of the product.

This manual is an integral part of the product and must be kept accessible for the personnel at all times.




Before starting work, the personnel must have read and understood this operating manual. Prerequisite for safe working is the observance of all safety instructions in this manual.



In addition to these instructions, the documents listed under ► 1.1.3 [□ 7] are applicable.

NOTE: The illustrations in this manual are intended to provide a basic understanding and may deviate from the actual version.




1.1.1 Presentation of Warning Labels

To make risks clear, the following signal words and symbols are used for safety notes.

 DANGER 	
	<p>Dangers for persons! Non-observance will inevitably cause irreversible injury or death.</p>

 WARNING 	
	<p>Dangers for persons! Non-observance can lead to irreversible injury and even death.</p>

 CAUTION 	
	<p>Dangers for persons! Non-observance can cause minor injuries.</p>

 CAUTION 	
	<p>Material damage! Information about avoiding material damage.</p>

1.1.2 Definition of Terms

The term "product" replaces the product name on the title page in this manual.

1.1.3 Applicable documents

- ▲ General terms of business *
- ▲ Contractual agreements
- ▲ Assembly and Operating Manual toolVibe® Tablet (Item no. 6000.12420)
- ▲ PGU 9500 operating manual (Item no. 0361.00082)

The documents labeled with an asterisk (*) can be downloaded from [rego-fix.com](https://www.rego-fix.com).

1.2 Warranty

If the product is used as intended, the warranty is valid for 24 months from the ex-works delivery date under the following conditions:

- ▲ Observe the applicable documents, ► [1.1.3](#) [7]
- ▲ Observe the ambient conditions and operating conditions, ► [2.5](#) [8]
- ▲ Observe the specified maintenance instructions, ► [7](#) [21]

This does not include special agreements detailed in the warranty and wearing parts. Wearing parts can also become worn through appropriate use before the maximum number of clamping cycles has expired. This includes all areas that come into contact with the tool or the machine (clamping range and machine mount) and sealing elements.

1.3 Scope of delivery

The scope of delivery includes:

- ▲ 1 toolVibe® device
- ▲ 1 Operating Manual (Item no. 6000.12419)

2. Basic safety notes

2.1 Intended use

- ▲ The product is used to clamp rotationally symmetric tools.
- ▲ The product may only be used and applied within the scope of the information in the technical data, ► [3](#) [11].
- ▲ The product is intended for industrial use.
- ▲ Appropriate use of the product includes compliance with all instructions in this manual.

2.2 Not intended use

The product is not being used as intended if, for example:

- ▲ The product is used with heat shrinking technology.
- ▲ Workpieces or similar are picked up and clamped.
- ▲ The information in the technical data is not observed when using and operating the product ▶ 3 [□ 11].
- ▲ The product is used as a lifting tool.
- ▲ The minimum clamping depth is not observed.
- ▲ The product is used in corrosive media.
- ▲ The maintenance and storage instructions are not observed ▶ 7 [□ 21].

2.3 Constructional changes

Implementation of structural changes

By conversions, changes, and reworking, e.g. additional threads, holes, or safety devices can impair the functioning or safety of the product or damage it.

- ▲ Structural changes should only be made with the written approval of REGO-FIX.

2.4 Spare parts

Use of unauthorized spare parts

Using unauthorized spare parts can endanger personnel and damage the product or cause it to malfunction.

- ▲ Use only original spare parts or spares authorized by REGO-FIX.

2.5 Environmental and operating conditions

Required ambient conditions and operating conditions

Incorrect ambient and operating conditions can make the product unsafe, leading to the risk of serious injuries, considerable material damage and/or a significant reduction to the products life span.

2.6 Personnel qualification

Inadequate qualifications of the personnel

If the personnel working with the product is not sufficiently qualified, the result may be serious injuries and significant property damage.

- ▲ All work may only be performed by qualified personnel.
- ▲ Before working with the product, the personnel must have read and understood the complete assembly and operating manual.
- ▲ Observe the national safety regulations and rules and general safety instructions.

The following personal qualifications are necessary for the various activities related to the product:

Qualified personnel

Due to its technical training, knowledge and experience, qualified personnel is able to perform the delegated tasks, recognize and avoid possible dangers and knows the relevant standards and regulations.

Instructed person

Instructed persons were instructed by the operator about the delegated tasks and possible dangers due to improper behaviour.

Service personnel of the manufacturer

Due to its technical training, knowledge and experience, service personnel of the manufacturer is able to perform the delegated tasks and to recognize and avoid possible dangers.



2.7 Personal protective equipment

Use of personal protective equipment

Personal protective equipment serves to protect staff against danger which may interfere with their health or safety at work.

- ▲ When working on and with the product, observe the occupational health and safety regulations and wear the required personal protective equipment.
- ▲ Observe the valid safety and accident prevention regulations.
- ▲ Wear protective gloves to guard against sharp edges and corners or rough surfaces.
- ▲ Wear heat-resistant protective gloves when handling hot surfaces.
- ▲ Wear protective gloves and safety goggles when handling hazardous substances.
- ▲ Wear close-fitting protective clothing **and also** wear long hair in a hairnet when dealing with moving components.

2.8 Notes on safe operation

- ▲ The product must not be clamped without a tool.
- ▲ Never combine multiple product extensions.
- ▲ Long, projecting or heavy tools may only be clamped if the speed of rotation is reduced according to the ambient and operating conditions on site. The level of reduction is the responsibility of the operator and must ensure safe operation of the product.
- ▲ Maintain and service the product on a regular basis.
- ▲ All repair work must be performed by REGO-FIX.
- ▲ The operational safety and function of the product must not be impaired by external influences.
- ▲ Follow the country-specific applicable safety, accident prevention, and environmental protection regulations for the application field of the product.

2.9 Transport

Handling during transport

Incorrect handling during transport may impair the product's safety and cause serious injuries and considerable material damage.

- ▲ When handling heavy weights, use lifting equipment to lift the product and transport it by appropriate means.
- ▲ Secure the product against falling during transportation and handling.
- ▲ Stand clear of suspended loads.

2.10 Malfunctions

Behavior in case of malfunctions

- ▲ Immediately remove the product from operation and report the malfunction to the responsible departments/persons.
- ▲ Order appropriately trained personnel to rectify the malfunction.
- ▲ Do not recommission the product until the malfunction has been rectified.
- ▲ Test the product after a malfunction to establish whether it still functions properly and no increased risks have arisen.

2.11 Disposal

Handling of disposal

The incorrect handling of disposal may impair the product's safety and cause serious injuries as well as considerable material and environmental harm.

- ▲ Follow local regulations on dispatching product components for recycling or proper disposal.



In accordance with the Waste Electrical and Electronic Equipment (WEEE) Directive, the following must be observed during disposal:

- ▲ This product may not be disposed of in household waste. It must be taken to a collection point for material recovery and recycling.

2.12 Fundamental dangers

General

- ▲ Observe safety distances.
- ▲ Never deactivate safety devices.
- ▲ Before commissioning the product, take appropriate protective measures to secure the danger zone.
- ▲ Disconnect power sources before installation, modification, maintenance, or calibration.
Ensure that no residual energy remains in the system.
- ▲ If the energy supply is connected, do not move any parts by hand.
- ▲ Do not reach into the open mechanism or movement area of the product during operation.

2.12.1 Protection during handling and assembly

Incorrect handling and assembly

Incorrect handling and assembly may impair the product's safety and cause serious injuries and considerable material damage.

- ▲ Have all work carried out by appropriately qualified personnel.
- ▲ For all work, secure the product against accidental operation.
- ▲ Observe the relevant accident prevention rules.
- ▲ Use suitable assembly and transport equipment and take precautions to prevent jamming and crushing.

Incorrect lifting of loads

Falling loads may cause serious injuries and even death.

- ▲ Stand clear of suspended loads and do not step into their swiveling range.
- ▲ Never move loads without supervision.
- ▲ Do not leave suspended loads unattended.

2.12.2 Protection during commissioning and operation

Falling or violently ejected components

Falling and violently ejected components can cause serious injuries and even death.

- ▲ Take appropriate protective measures to secure the danger zone.
- ▲ Never step into the danger zone during operation.

3. Technical data

3.1 Product data

General technical data	Value
Permissible cooling agents	Compressed air, coolant, oil
Maximum permissible coolant pressure with internal coolant supply	80 bar
Maximum permissible coolant pressure with external coolant supply	20 bar
Radio transmission frequency band (ISM band)	2.4 GHz
Transmission power	< 6 dBm
Acceleration range of measurement	± 100 g
Maximum permissible acceleration	10,000 g
Maximum operating time (battery life) with active radio transmission	8 h
Maximum operating time (battery life) in standby mode	240 h (10 days)
Tolerance tool shank	h6 (TAP up to h9)
Dimensions vibration sensor (L × W × H)	40 × 22 × 31,07 mm
Weight vibration sensor	ca. 0,1 kg
ID Bluetooth CHIP	QQQ-BGM220S

The load limits of the spindle holder must be observed.

3.2 Ambient conditions and operating conditions

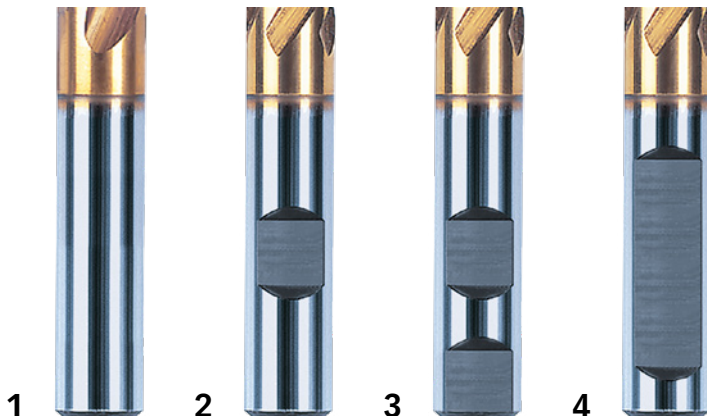
Ambient conditions and operating conditions	Value
Operating temperature range	+ 20 °C bis + 50 °C
Transport temperature range	- 10 °C bis + 50 °C
Storage temperature range	+ 10 °C bis + 30 °C
Cleaning temperature range	0 °C bis + 60 °C
Clamping force check temperature range	+ 20 °C bis + 25 °C

NOTE: The temperatures refer to the product.

3.3 Installation details

Installation details	Wert
Number of mounting holes	2
Thread size	M5
Number of mounting magnets	4

3.4 Usable tool shank types

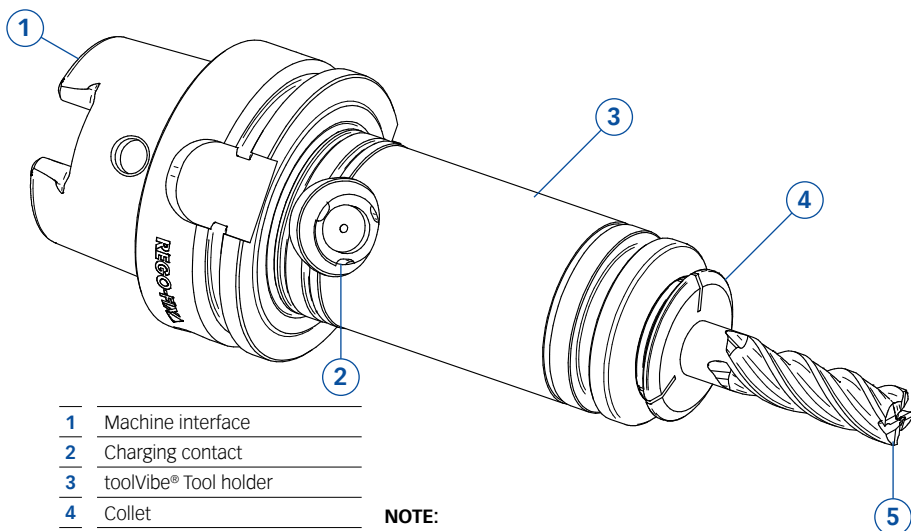


1. Shank type according to DIN 1835-1 form A and DIN 6535 form HA
2. Shank type according to DIN 1835-1 form B and DIN 6535 form HB (up to Ø 20 mm)
3. Shank type according to DIN 1835-1 form B and DIN 6535 form HB (from Ø 25 mm)
4. Shank type according to DIN 1835-1 form E and DIN 6535 form HE

NOTE: Tool shanks with reliefs (forms 2, 3 and 4) can impair the balancing grade and concentricity of the overall system.

4. Design and description

4.1 Design tool holder



- | | |
|---|-----------------------|
| 1 | Machine interface |
| 2 | Charging contact |
| 3 | toolVibe® Tool holder |
| 4 | Collet |
| 5 | Tool |

NOTE:
Illustration may differ from the actual design.



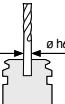
4.2 Functional description tool holder

The powRgrip® collet has a conical shank with a contact shoulder and a concentric bore for the tool shank.

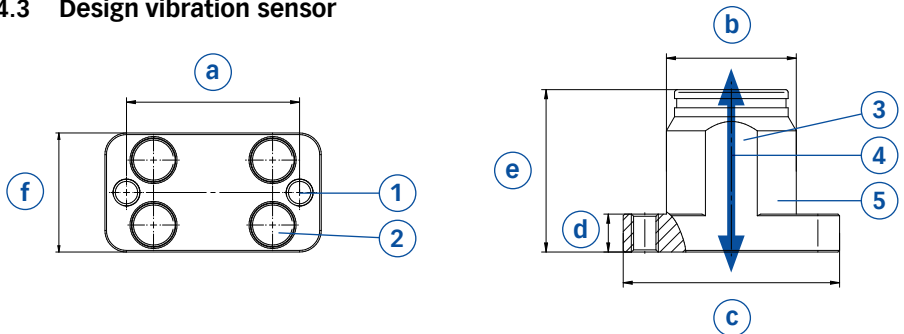
To be clamped, the collet and cutting tool are mounted and pressed in the powRgrip® tool holder and pulled out for unclamping.

The press fit, which occurs through the taper, produces a radial force, which is transmitted through the split collet to the tool shank. The tool is then gripped safely and concentrically.

The toolVibe® sensor built into the product makes it possible to detect vibrations during machining.

<p>NOTE</p>		<p>Clean and degrease tool Before clamping, clean and degrease collet and cutting tool. Clean tool holder; dirt and grease reduce clamping force, accuracy and life of the system.</p>
<p>NOTE</p>		<p>Clamping check Please visually check that the collet sits tightly against the tool holder face. There must be no gap between collet and tool holder. A gap indicates that the tool is not properly clamped. Run-out failures and reduced clamping force may result from this condition.</p>
<p>NOTE</p>		<p>Only clamp tools with a shank tolerance of $\varnothing h6$ or more precisely. PG-TAP collets allow tolerances up to $\varnothing h9$. The clamping of undersized shanks can permanently damage the collets.</p>

4.3 Design vibration sensor



1	Mounting thread (M5)
2	Magnets
3	Wrench flat (SW22)
4	Sensor measuring direction
5	Base body

a	32,6 mm
b	$\varnothing 24$ mm
c	40 mm
d	6,5 mm
e	31,07 mm
f	22 mm

NOTE: Illustration may differ from the actual design.

4.4 Functional description vibration sensor

The toolVibe® sensor built into the product makes it possible to detect vibrations during machining.

The product can be mounted in the machine room via the integrated magnets and/or mounting holes. The toolVibe® sensor built into the product makes it possible to detect vibrations during the machining process.

Using a compatible tablet and the toolVibe® app, the detected vibrations can be displayed and recorded. The data is transmitted via a wireless connection between the product and the tablet.

NOTE	The data of the toolVibe® magnetic holder cannot be compared directly with the data of the toolVibe® toolholder, because the toolVibe® toolholder acquires data dynamically at a different location and the toolVibe® magnetic holder is attached statically. In addition, the recorded data is location-dependent. A change in position of the toolVibe® magnetic holder can lead to changed data. The data collected is machine and process dependent and must therefore be considered, assessed and evaluated individually for each application.
-------------	---

4.5 powRgrip® Cleaning Instructions



1 Insert cleaning paper into the slot of the taper cleaner from the front. Allow enough paper to cover the whole width of the slot. Push down towards the flange until completely seated.



2 Bend paper over and wrap around the taper cleaner.



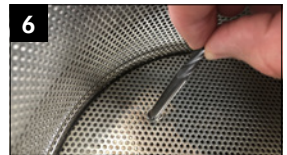
3 Hold paper with thumb.



4 Insert taper cleaner fully into the collet cavity of the tool holder. Turn to wipe clean.



5 Degreasing / cleaning powRgrip®. Dip in clean, oil soluble solvent, (e.g. alcohol, cold cleaner).



6 Clean tool shank by dipping in clean, oil soluble solvent, (e.g. alcohol, cold cleaner).



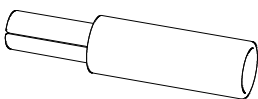
7 Dry off solvent with oil-free compressed air. Insert tool into collet.



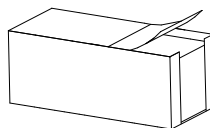
8 Insert tool into collet. Insert tool holder assembly into powRgrip® unit and press in collet.

! Only use this specially prepared, soft and absorbent cleaning paper. **For one time use only!**

Do not press in the collet without a tool. Pressing in collets without a tool will destroy the collet!


















TKCP Taper cleaner



CPS Cleaning paper set

5. Assembly

5.1 Basic information

 WARNING 	
	<p>Risk of injury due to incorrect assembly. If assembled incorrectly, the product may be thrown out during rotation, causing severe injuries.</p> <ul style="list-style-type: none">▲ Regularly check the fastening of the product.▲ Take appropriate protective measures to secure the danger zone.▲ Wear suitable protective equipment.
 WARNING 	
	<p>Risk of injury if the product falls during transport, assembly or disassembly. Due to the oily surface required to preserve it, the product can slip through your hands, resulting in injury.</p> <ul style="list-style-type: none">▲ Take appropriate safety measures to prevent the product from falling.▲ Only install the product on machines with the appropriate connection dimensions.▲ Wear suitable protective equipment, especially safety gloves.
 WARNING 	
	<p>Risk of injury due to sharp edges and rough or slippery surfaces.</p> <ul style="list-style-type: none">▲ Wear suitable protective equipment, especially protective gloves.
 CAUTION 	
	<p>Risk of crushing, impact and cutting when assembling and disassembling the product.</p> <ul style="list-style-type: none">▲ Do not reach between the product and machine.▲ Wear suitable protective equipment, especially safety boots and protective gloves.
 CAUTION 	
	<p>Risk of damage to the product.</p> <ul style="list-style-type: none">▲ When transporting and handling the product, ensure that it is not damaged by knocks, impacts, etc.

5.2 Assembly of the product

To ensure optimum machining results, the product must be positioned and secured precisely on the machine interface.




NOTE: Only install the product on machines with the appropriate connection dimensions. Observe the mounting instructions from the manufacturer of the machine interface.




IMPORTANT! Before the product is assembled, the tool must be fitted and clamped!

1. Charge the battery of the toolVibe®.
NOTE: Please refer to the chapters "toolVibe® Power Plug" and "toolVibe® Charger" in the operating manual REGO-FIX toolVibe® Tablet (6000.12420)
2. Ensure that the tool is clamped ► 6.2 [19].
3. Clean all interfaces on the product and machine.
4. Place the product on the machine interface in the correct position and fit it as far as the stop.
5. Clamp the product according to the specifications of the manufacturer of the machine interface.

6. Operation

6.1 Basic information

 WARNING 	
	<p>Risk of injury from clothing or hair being pulled into the machine if caught on the product.</p> <p>Loose clothing or long hair can get caught on the product and drawn into the machine, resulting in serious injuries or even death!</p> <ul style="list-style-type: none">▲ Only wear tight-fitting clothing and a hairnet when working on the machine and the product.▲ Observe the applicable accident prevention regulations.▲ Wear suitable protective equipment.▲ Take suitable protective measures to secure the danger zone.

 WARNING 	
	<p>Risk of injury when the product is rotating, due to the possibility of parts flying off.</p> <ul style="list-style-type: none">▲ Comply with technical data.▲ Ensure correct installation and seating of existing add-on and functional components.▲ Check clamping force regularly.▲ Take appropriate protective measures to secure danger zones.▲ Wear suitable protective equipment.

⚠ WARNING ⚠



Risk of injury due to the tool being flung out if the RPM is too high or not suitable.

- ▲ Observe the technical data.
- ▲ Do not exceed the maximum RPM.
- ▲ Reduce the speed of rotation appropriately for strongly protruding or balance-asymmetrical tools.
- ▲ Take suitable protective measures to secure the danger zones.
- ▲ Wear suitable protective equipment.

⚠ CAUTION ⚠



Risk of crushing, impact, and cutting when changing tools.

- ▲ Do not reach between the product and the tool when changing tools.
- ▲ Wear suitable protective equipment, especially protective gloves.

⚠ CAUTION ⚠



Risk of damage to the product.

If the product is not used as intended, the product may get damaged.

- ▲ Only operate the clamping screw by hand.
- ▲ Observe the minimum clamping depth of the tool.
- ▲ The tool must be free of burrs and dirt on the shank.
- ▲ Do not adjust the tool length when the tool is clamped.

6.2 Clamping the tool

The product must be unclamped when loading the tool. Initial tension inhibits loading and can damage the collet.

IMPORTANT! The tools to be clamped must be deburred at the surfaces that come into contact with the product, may not have sharp contours and must be free of oil, grease and dirt.

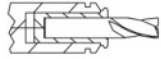
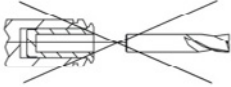


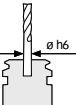
When clamping the tool, observe the following points:

- ▲ The clamping screw may only be actuated by hand.
- ▲ Do not combine multiple extensions.
- ▲ Only clamp approved tool shank types ► 3.4 [12] .








		<p>Press push button «IN». The clamping unit runs automatically to start position «IN».</p>
	<p>Open door of the powRgrip® clamping unit by turning locking lever into horizontal position.</p>	
	<p>Insert powRgrip® tool holder with collet and cutting tool into the powRgrip® clamping unit. Close door of the powRgrip® clamping unit by turning locking lever into vertical position.</p>	
		<p>Press push button «IN». Pump will operate until hydraulic pressure for PG 6, PG 10, PG 15, PG 25 or PG 32 is reached. Pump will stop operation automatically.</p>
	<p>As soon as the light of the push button is steadily on, the tool is clamped. The powRgrip® clamping unit returns automatically to its starting position «IN». Secure powRgrip® tool holder with collet and cutting tool by hand, open now the door and remove tool holder from the powRgrip® clamping unit. The cutting tool is now clamped in the Tool holding System and is ready to be used.</p>	

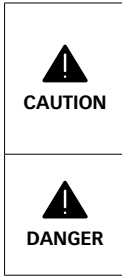
<p>CAUTION</p>	<p>Caution: The hydraulic system has a pressure of maximum 155 bar during operation! Remove the Tool holder from the powRgrip® clamping unit only when the procedure «clamping» is finished, no oil pressure is indicated on the pressure gauge (0 bar) and the light of the push button does not flash anymore. The door must not be opened during the clamping procedure.</p>
<p>DANGER</p>	<p>If the powRgrip® clamping unit is actuated without the powRgrip® tool holder and tools inserted, this indicates improper use according to chapter 1.6. Never grasp into the press-in mechanism during operation, as there is a risk of crushing fingers.</p>

Important information for clamping a tool

<p>NOTE</p>		<p>Clamping a tool: Clamping without a tool will result in damage of the collet!</p>
<p>NOTE</p>		<p>Clamping length: For min./ max. clamping length of tool shanks please refer to the technical data sheet.</p>
<p>NOTE</p>		<p>Clean and degrease tool Before clamping, clean and degrease collet and cutting tool. Clean tool holder; dirt and grease reduce clamping force, accuracy and life of the system.</p>
<p>NOTE</p>		<p>Clamping check Please visually check that the collet sits tightly against the tool holder face. There must be no gap between collet and tool holder. A gap indicates that the tool is not properly clamped. Run-out failures and reduced clamping force may result from this condition.</p>
<p>NOTE</p>		<p>Only clamp tools with a shank tolerance of $\varnothing h_6$ or more precisely. PG-TAP collets allow tolerances up to $\varnothing h_9$. The clamping of undersized shanks can permanently damage the collets.</p>




6.3 Unclamping the tool

		<p>Press push button «OUT». The clamping unit runs automatically to start position «OUT».</p>
	<p>Open door of the powRgrip® clamping unit by turning locking lever into horizontal position.</p>	
	<p>Insert the powRgrip® tool holder with the collet and cutting tool into the powRgrip® clamping unit. Close door of powRgrip® clamping unit by turning locking lever into vertical position.</p>	
		<p>Press push button «OUT». Pump will be run until hydraulic pressure for PG 6, PG 10, PG 15, PG 25 or PG 32 is reached. Pump will stop operation automatically.</p>
	<p>As soon as light of push button is steadily on, tool is unclamped. powRgrip® clamping unit returns automatically to start position «OUT». Secure powRgrip® tool holder with collet and cutting tool by hand, open now the door and remove tool holder from the powRgrip® clamping unit. Cutting tool is now ready to be removed from tool holder and collet.</p>	






Caution: The hydraulic system has a pressure of maximum 155 bar during operation! Remove the Tool holder from the powRgrip® clamping unit only when the procedure is finished, no oil pressure is indicated on the pressure gauge (0 bar) and the light of the push button does not flash anymore.
The door must not be opened during the clamping procedure.

If the powRgrip® clamping unit is actuated without the powRgrip® tool holder and tools inserted, this indicates improper use according to chapter 1.6. Never grasp into the press-in mechanism during operation, as there is a risk of crushing fingers.

 CAUTION 	
	<p>Damage to the product when using a punch! The toolVibe® sensor protrudes through the center into the product! Attempting to remove a fixed tool by applying pressure from behind will damage the toolVibe® sensor.</p> <ul style="list-style-type: none"> ▲ Do not insert any objects into the product through the machine mount. ▲ Do not remove stuck tools with a punch.

7. Maintenance

7.1 Basic information

 WARNING 	
	<p>Risk of injury due to sharp edges and rough or slippery surfaces.</p> <ul style="list-style-type: none"> ▲ Wear suitable protective equipment, especially protective gloves.

 CAUTION 	
	<p>Injury of the eyes by dirt particles When cleaning with compressed air, the eyes may be injured by flying dirt particles.</p> <ul style="list-style-type: none"> ▲ Wear suitable protective equipment, particularly protective goggles.

For trouble-free, long-lasting use, clean, maintain and check the functionality of the product regularly.
Repair work may only be carried out by REGO-FIX!

If you have any questions regarding maintenance and servicing, our technical customer service is available during our business hours:

Service telephone: +41 61 976 1466
pm@rego-fix.com

8. Troubleshooting




Malfunction/Error	Possible cause	Solution(s)
Product not transmitting a signal	Battery is flat	Charge battery
Insufficient run-out accuracy	Product is not correctly positioned on the machine interface	Clean the contact surfaces of the product and machine




If you have any questions regarding troubleshooting, our technical after-sales service is available during our business hours:




Service telephone: +41 61 976 1466
pm@rego-fix.com




9. Disassembly

9.1 Basic information

 WARNING 	
	<p>Risk of injury if the product falls during transport, assembly or disassembly. Due to the oily surface required to preserve it, the product can slip through your hands, resulting in injury.</p> <ul style="list-style-type: none"> ▲ Take appropriate safety measures to prevent the product from falling. ▲ Only install the product on machines with the appropriate connection dimensions. ▲ Wear suitable protective equipment, especially safety gloves.

 WARNING 	
	<p>Risk of injury due to sharp edges and rough or slippery surfaces.</p> <ul style="list-style-type: none"> ▲ Wear suitable protective equipment, especially protective gloves.

 CAUTION 	
	<p>Risk of crushing, impact and cutting when assembling and disassembling the product.</p> <ul style="list-style-type: none"> ▲ Do not reach between the product and machine. ▲ Wear suitable protective equipment, especially safety boots and protective gloves.

 CAUTION 	
	<p>Risk of damage to the product.</p> <ul style="list-style-type: none"> ▲ When transporting and handling the product, ensure that it is not damaged by knocks, impacts, etc.

9.2 Disassembly of the product

1. Secure the product against falling.
2. Loosen the connection to the machine interface.
Observe the specifications of the machine manufacturer.
3. Remove the product.
4. If necessary, remove tool ► 6.3 [□ 20].

NOTE: To avoid damage, only place the product on a clean and soft surface.

10. Storage

When storing the product for a longer period of time, observe the following points:

- ▲ Ensure that the product is in an unclamped state.
- ▲ Clean the product and lubricate it lightly.
- ▲ Only store the product in dry rooms.
- ▲ Protect the product from major temperature fluctuations.
- ▲ Completely charge the battery regularly every year.
- ▲ Comply with the storage temperature specified in the technical data.
- ▲ Store the product in a suitable transport container.

11. Disposal



- ▲ This product may not be disposed of in household waste. It must be taken to a collection point for material recovery and recycling.
- ▲ Follow local regulations on dispatching product components for recycling or proper disposal.
- ▲ Alternatively, you can return the product to REGO-FIX for correct disposal.

12. EU Declaration of Conformity

according to the European Directive 2014/53/EU, Annex VI.

Manufacturer/Distributor REGO-FIX AG
Obermattweg 60, CH-4456 Tenniken, Switzerland

We hereby declare that on the date of the declaration, the product described below complied with all basic safety and health regulations found in Directive 2014/53/EU of the European Parliament and of the Council on machinery. The declaration shall be rendered invalid if modifications are made to the product.

Product designation – Item no.:	SET toolVibe®	7580.00000
	HSK-A 63 / PG 15 × 120 TV	5563.91560
	HSK-A 63 / PG 25 × 120 TV	5563.92560
	HSK-A 63 / PG 32 × 120 NL TV	5563.93260
	HSK-A 100 / PG 32 × 125 TV	5500.93260
	HSK-E 40 / PG 15 × 100 TV	5540.91550
	SK+ 40 / PG 25 × 105 TV	5540.92556
	SK+ 50 / PG 25 × 105 TV	5550.92556
	BT+ 30 / PG 15 × 100 TV	5130.91556
	BT+ 40 / PG 25 × 125 TV	5140.92556
	CAT+ 40 / PG 15 × 4» TV	5340.91556
	CAT+ 40 / PG 25 × 4.3» NL TV	5340.92556
	C6 / PG 25 × 120 TV	5806.92560
	VS 22 × 40 TV	7581.22400

Harmonized standards and technical specifications applied:

EN 61326-2-3	Electrical measurement, control, regulation, and laboratory devices – EMC requirements, Part 2-3: Special requirements – Test setup, operating conditions, and performance characteristics for measuring transducers with integrated or remote signal processing (IEC 61326-2-3:2020); German version EN IEC 61326-2-3:2021
EN 61326-1	Electrical measurement, control, regulation, and laboratory devices – EMC requirements, Part 1: General requirements (IEC 61326-1:2020); German version EN IEC 61326-1:2021
EN IEC 61000-6-2:2019	Electromagnetic Compatibility (EMC), Part 6-2: Generic standards – Immunity for industrial environments
EN IEC 61000-6-4:2019	Electromagnetic Compatibility (EMC), Part 6-4: Generic standards – Emission for industrial environments
EN 301 489-1 V2.2.3 2019-11	Electromagnetic Compatibility (EMC) – Standard for radio equipment and services, Part 1: Common technical requirements – Harmonized standard for electromagnetic compatibility
EN 300 328 V2.2.2 2019-07	Broadband transmission systems – Data transmission devices operating in the 2.4 GHz band – Harmonized standard for radio frequency usage

Additionally, the product is declared to conform with the following standards and EU directives:

DIN EN ISO 12100	Safety of the machines
2014/30/EU	EMV Directive
2014/53/EU	Radio Equipment Directive
2011/65/EU	RoHS Directive

Authorised representative for compiling the technical documentation:

Herr Roman Ackeret
REGO-FIX AG
Obermattweg 60
CH-4456 Tenniken

Tenniken, 12.03.2025



Richard Weber, CEO



Pascal Forrer, Designated CEO



