



Company founder Fritz Weber

Made in  
Switzerland



## Company History since 1950

The REGO-FIX company history has been strongly influenced by its founder, Fritz Weber. His innovative spirit and persistence was instrumental in making his invention, the ER collet system, a world-wide industry standard. The DIN standardization of the ER collet system was the final confirmation that Fritz Weber was on the right track with his invention. Not only is REGO-FIX AG one of the leading manufacturers of tool holding systems in the world, it also has a reputation of being one of the best.

## Today

The innovative design of the patented powRgrip® colletholder system is another milestone in the history of REGO-FIX AG. Continuous investments in employees, high-tech manufacturing facilities and product developments have made REGO-FIX AG a leader in high-precision toolholding systems.

## Location

The Jura region in North Western Switzerland has long been famous for its watch making industry and its production of precision mechanical products. It's here, in the village of Tenniken, where REGO-FIX® products are manufactured and distributed worldwide.

## International

Company sales organizations in the US, China and Germany along with a world wide network of manufacturer representatives complete the REGO-FIX® global distribution system.

## Behind every Product Stand Experienced People

An innovative spirit within REGO-FIX AG encourages continuous improvement of existing products and the development of new ones. World-wide approximately 190 motivated, well-trained employees with years of experience, represent «Swiss Quality». Their knowledge, experience and skills are put to use in the new and modern REGO-FIX® manufacturing facility.



Swiss  
Precision  
Tools

The products described in this catalog are specified to the best of our knowledge. The data given herein are dependent on the conditions under which they are measured and are derived from tests carried out under defined lab conditions at REGO-FIX AG. The performance of these tools depends on the conditions under which they are used and may vary from case to case. The information given in this catalog is believed to be correct. REGO-FIX® however assumes no responsibility or liability for any errors, inaccuracies or omissions that may appear in this catalog.

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Softsynchro® is a registered trademark of EMUGE-Werk Richard Glimpel GmbH & Co. KG.

Viton® is a brand of synthetic rubber and fluoropolymer elastomer of DuPont Performance Elastomers.

Capto® is a registered trademark of Sandvik AB.

# Directory

ER<sub>SYSTEM</sub>

powRgrip<sub>SYSTEM</sub>

Other Systems

REGO-FIX® Systems



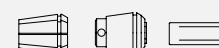
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Collets and Reduction Sleeves



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Tapping Collets



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Clamping Nuts, Sealing Disks, Coolant Flush Disks



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TC Steep Taper Toolholders DIN 69871



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BT Steep Taper Toolholders MAS 403



6

HSK Toolholders DIN 69893



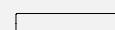
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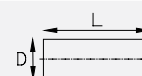
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P G 25

pat. 102

E-GO-FIX®  
Swiss Made  
pat. pend.  
4563.72550.102

Hi-D

# REGO-FIX® Systems

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1.1 **Features and Benefits  
of REGO-FIX® Products**

1.2 **Overview  
Toolholder Program**

## ER SYSTEM

1.3 **Features and Benefits**

1.4 **Program Overview**

## powRgrip SYSTEM

1.5 **Features and Benefits**

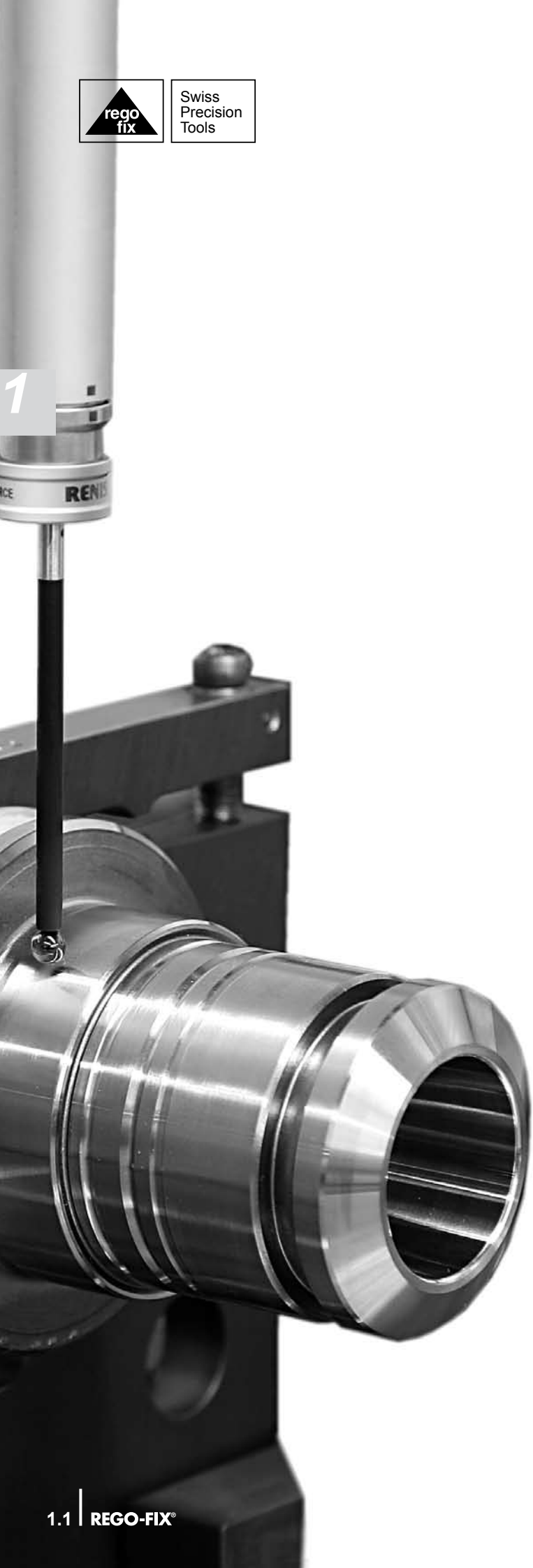
1.6 **Program Overview**





Swiss  
Precision  
Tools

1



## Program Overview

# Features | Benefits

### Swiss Quality

Made in Switzerland to ISO 9001/ISO 14001. High-grade, specially formulated case hardened spring steel guarantees durability and increased tool life.

### Original REGO-FIX®

Look for the special REGO-FIX® quality seal  $\triangle$ .

### 100% Quality Assurance

Every REGO-FIX® product is quality checked.

### Product Traceability

Lot number marking on all products for traceability through the entire manufacturing process.

### Quality Assurance Lab

3D-, CMM-technology and microscopic analysis, length-, angle-, roundness-, run-out-, balancing-, torque and hardness measuring equipment.

### Calibration

Traceability to external calibration service and to the Federal Office of Metrology (METAS).

### Testing Laboratory

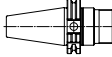



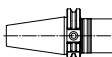



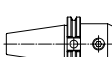



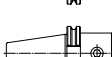











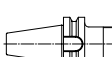



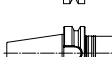















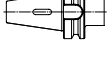



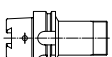



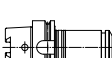







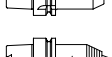



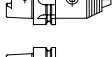



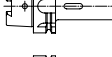



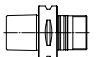



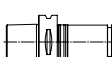







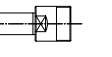







For failure analysis, life-tests and applications engineering.

### Matched Tooling System

All REGO-FIX® components are matched for best fit. The compatibility of the whole system results in the maximum precision, balance and tool life.

## Toolholder Program

1

TC DIN 69871	5	ER				
	5	PG				
	5	WD				
	5	KBF				
	5	MK				
	5	KFD				
BT MAS 403	6	ER				
	6	PG				
	6	WD				
	6	KBF				
	6	MK				
	6	KFD				
HSK DIN 69893	7	ER				
	7	PG				
	7	WD				
	7	KBF				
	7	MK				
	7	KFD				
CAPTO	8	ER				
	8	PG				
	8	MA				
CYL	9	ER				
	9	PG				



Swiss Precision Tools

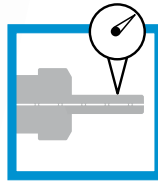
# ER SYSTEM

## Features | Benefits

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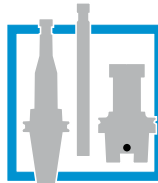
The Original – from the inventor of the ER System – only genuine with the  $\triangle$  seal



Best T.I.R. on the ER market with  $\leq 5 \mu\text{m}$  accuracy of the collet over its entire clamping range



Clamps all type of toolshanks and materials



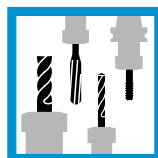
The broadest ER System program in the world



High vibration dampening results in longer tool life and best surface finish



Wide clamping range for all diameters from 0.2-36 mm

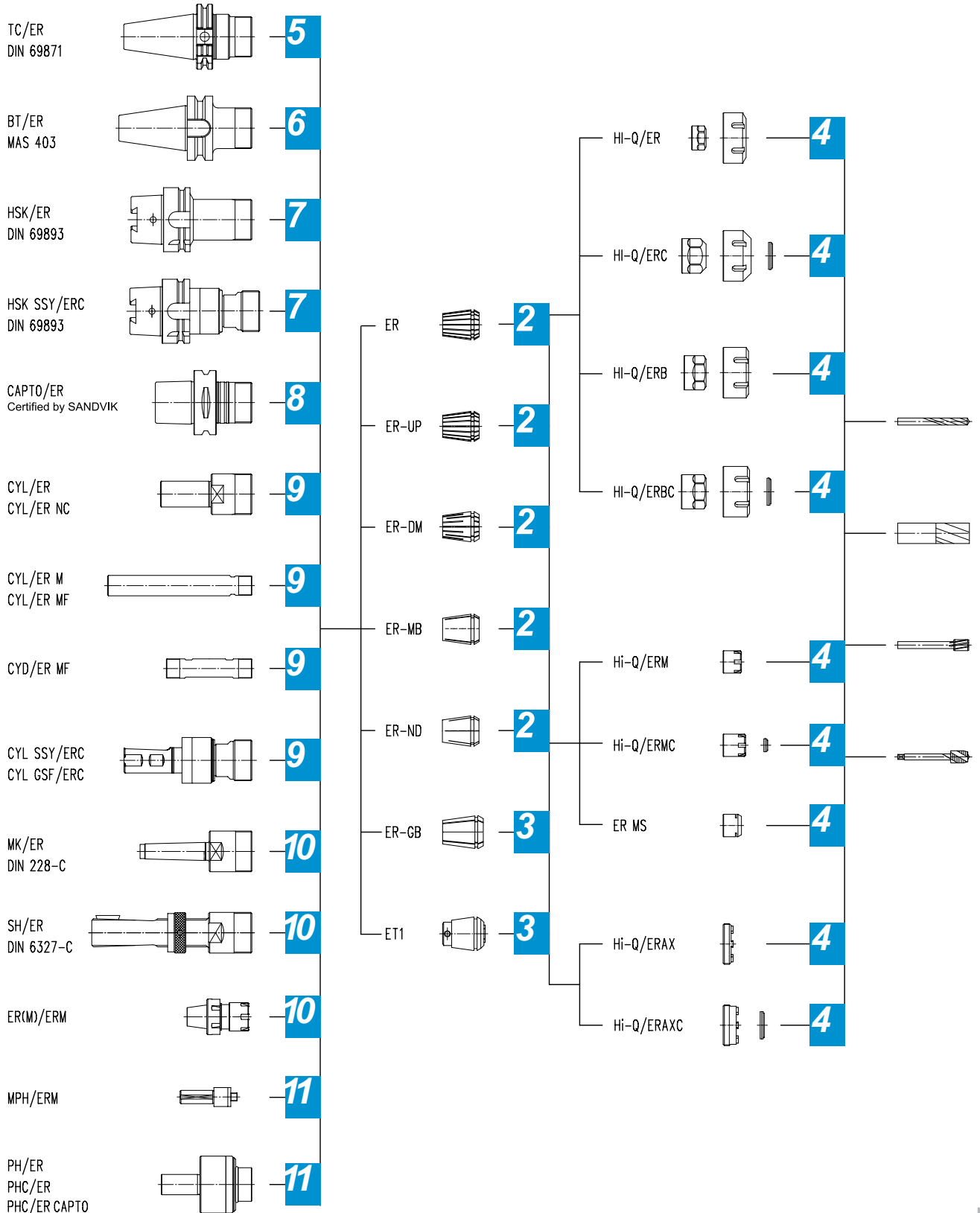


Flexibility for use with all tool types



## ER SYSTEM

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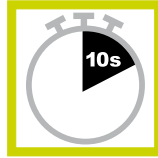


Swiss Precision Tools

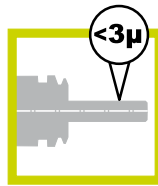
# PG powRgrip® SYSTEM

## Features | Benefits

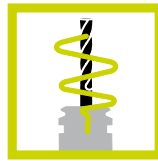
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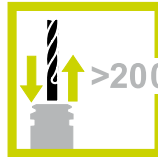
Clamping with clamping operation in less than 10 sec.



T.I.R. of  $<3\mu$



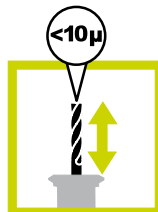
High vibration dampening due to optimum rigidity and to interfacing surfaces toolholder-collet, collet-tool



Highest transferable torque and superior T.I.R., even after 20 000 tool changes



Clamps all types of toolshanks and materials in h6 tolerance from  $\varnothing$  0.2 – 25.4 mm (for PG-TAP collets taps and cold forming tools in h9 tolerance)



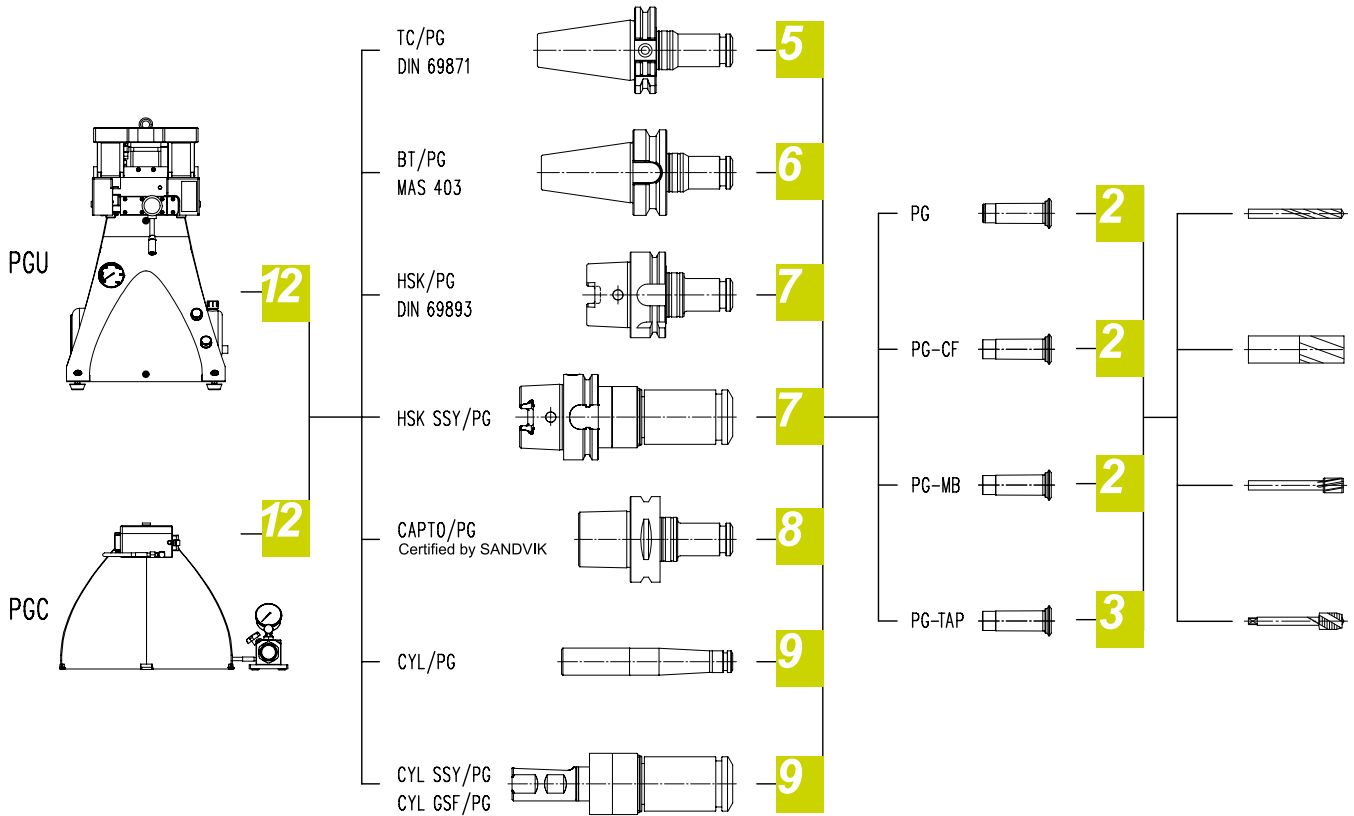
Precise length adjustment repeatability  $<10\mu$



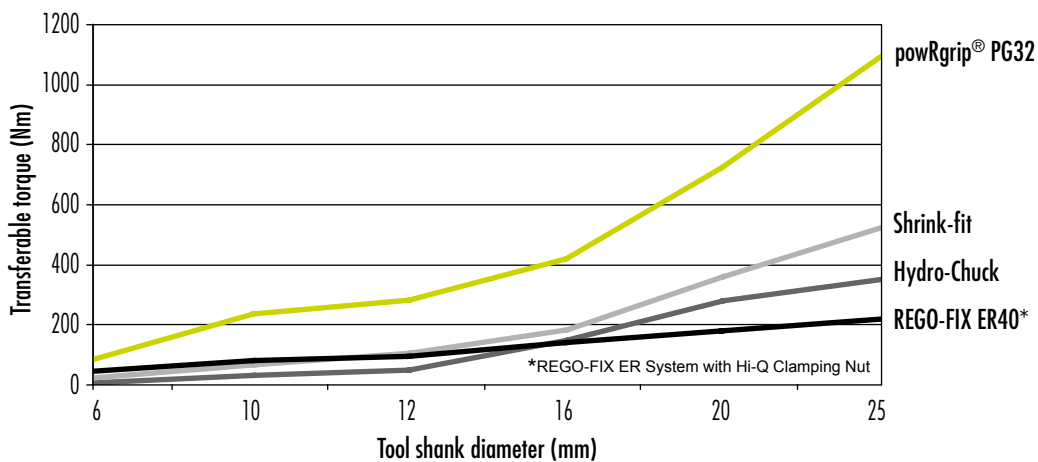
Developed for highest productivity such as HSC/HPC

## powRgrip<sub>SYSTEM</sub>

1



### Transferable Torque of the powRgrip® System



Application example see

[video.powRgrip.ch](http://video.powRgrip.ch)