

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® coltetholder system is another milestone in the history of REGO-FIX®. Continuous investments in employees, high-tech manufacturing facilities and product developments have made REGO-FIX® 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 in Switzerland, US, China and Germany along with a worldwide network of manufacturer representatives complete the REGO-FIX® global distribution system.

Behind Every Product Stands a Team of Experienced People

An innovative spirit within REGO-FIX® encourages continuous improvement of existing products and the development of new ones. 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

Directory

ER SYSTEM

powRgrip SYSTEM

Other Systems

REGO-FIX® Systems



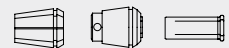
1

Collets (ER & PG) and Hydraulic Sleeves



2

Tap Collets



3

Clamping Nuts, Sealing and Coolant Flush Disks



4

CAT Steep Taper Toolholders ANSI B5.50



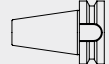
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TC (V-Notch) Steep Taper Toolholders DIN 69871



6

BT Steep Taper Toolholders MAS 403



7

HSK Toolholders DIN 69893



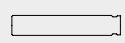
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Toolholders Compatible with Coromant Capto



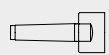
9

Cylindrical Shank Toolholders



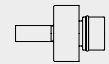
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Other Toolholders



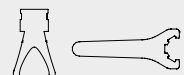
11

Floating Collet Chucks



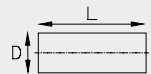
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Accessories



13

Technical Information



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PC25

REGO-FIX
Swiss Made
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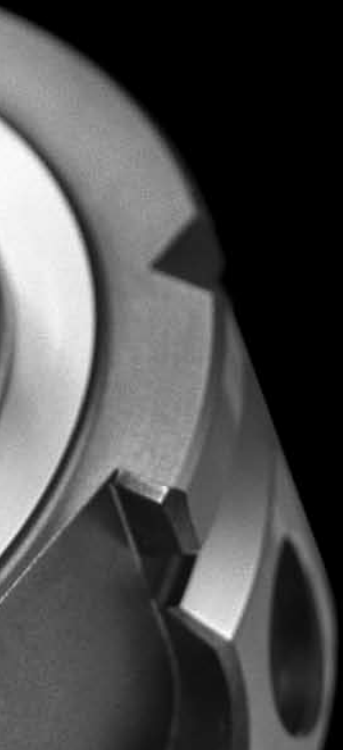
1.01 Features and Benefits
of REGO-FIX® Products

ER SYSTEM

1.03 Features and Benefits

powRgrip SYSTEM

1.05 Features and Benefits
1.06 Program Overview





Swiss
Precision
Tools

REGO-FIX®

Quality

Features | Benefits

1

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 symbol \triangle .

100% Quality Assurance

Every REGO-FIX® product is quality checked.

Product Traceability

Lot numbers are marked on all products for traceability throughout 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

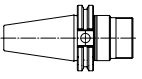



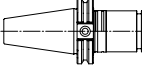



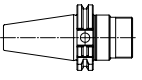

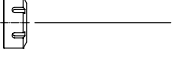

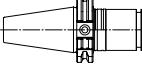



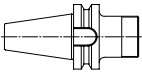

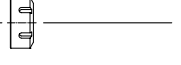

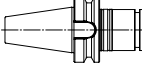



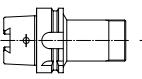

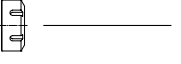

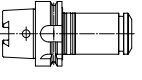



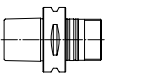



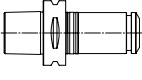



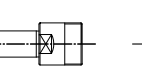

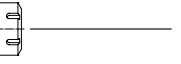

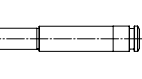

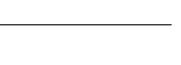

For failure analysis, life-tests and applications engineering.

Matched Tooling System

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

Toolholder Program

1

CAT ANSI B5.50	5	ER				
	5	PG				
TC DIN 69871	6	ER				
	6	PG				
BT MAS 403	7	ER				
	7	PG				
HSK DIN 69893	8	ER				
	8	PG				
CAPTO	9	ER				
	9	PG				
CYL	10	ER				
	10	PG				



Swiss Precision Tools

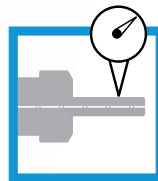
ER SYSTEM

Features | Benefits

1



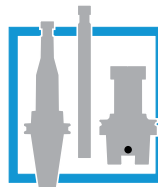
The Original – from the inventor of the ER System – only genuine with the Δ symbol



Lowest T.I.R. on the ER market with $\leq 0.0002''$ ($5\mu\text{m}$) 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 $0.0079''$ – $1.34''$ (0.2 – 34 mm)

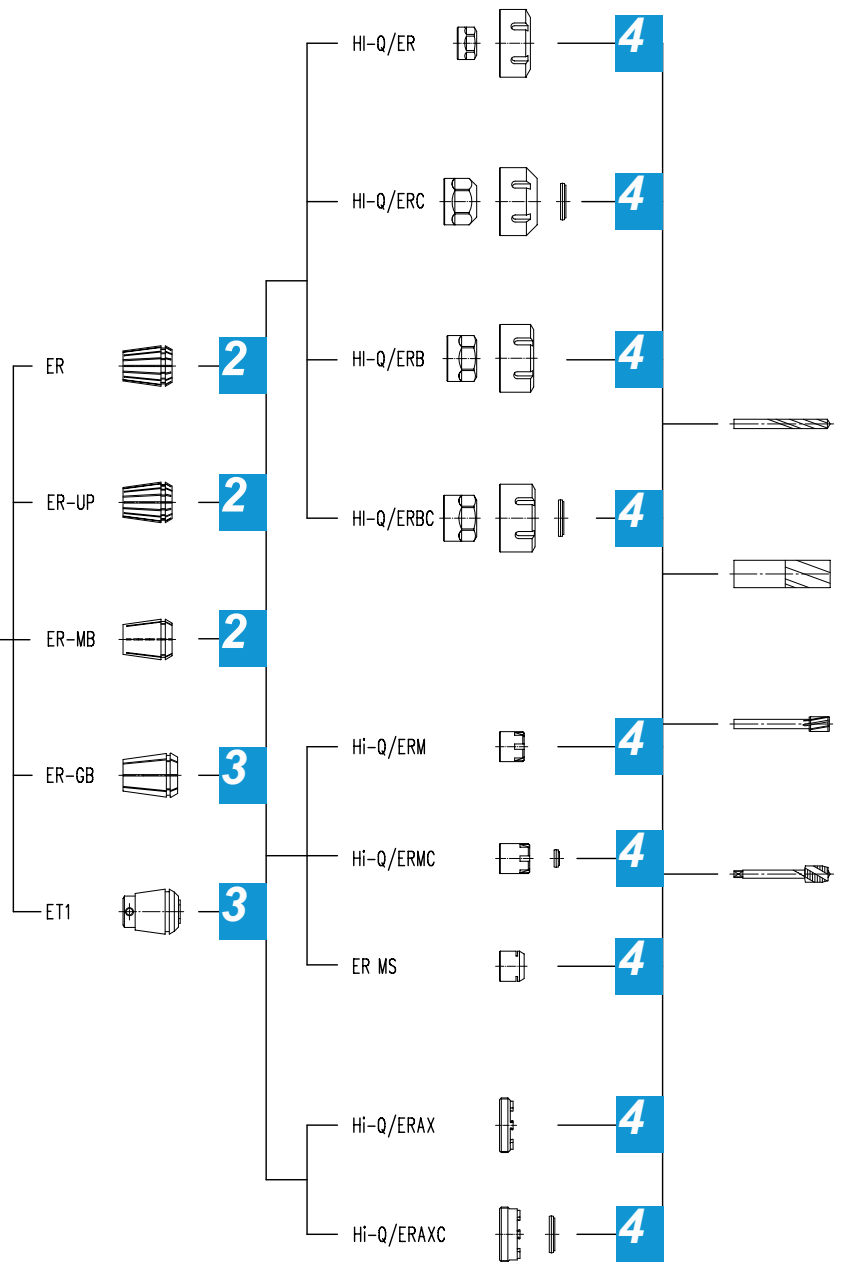


Flexibility for use with all tool types

ER SYSTEM

1

CAT/ER ANSI B5.50		5
TC/ER DIN 69871		6
BT/ER MAS 403		7
HSK/ER DIN 69893		8
HSK S5Y/ERC DIN 69893		8
CAPT0/ER Lic. SANDVIK		9
CYL/ER CYL/ER NC		10
CYL/ER M CYL/ER MF		10
CYD/ER MF		10
CYL S5Y/ERC CYL GSF/ERC		10
MK/ER DIN 228-C		11
SH/ER DIN 6327-C		11
ERM/ERM		11
MPH/ERM		12
PH/ER PHC/ER		12



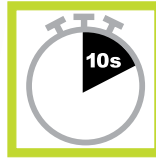


Swiss Precision Tools

PG powRgrip® SYSTEM

Features | Benefits

1



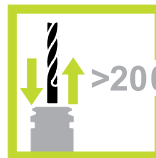
Clamping operation in less than 10 seconds when using the PGU automatic machine.



T.I.R. of $< 0.0001''$ ($3 \mu\text{m}$)



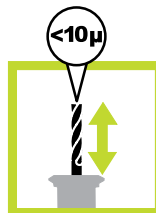
High vibration dampening due to the interrupted surfaces between the toolholder to collet and the collet to tool shank.



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



Clamps all types of toolshanks and materials in h6 tolerance from $\varnothing 0.0079'' - 1.0''$ ($0.2 - 25.4 \text{ mm}$) (for PG-TAP collets taps and cold forming tools in h9 tolerance)



Precise length adjustment repeatability $< 0.0004''$ ($10 \mu\text{m}$)

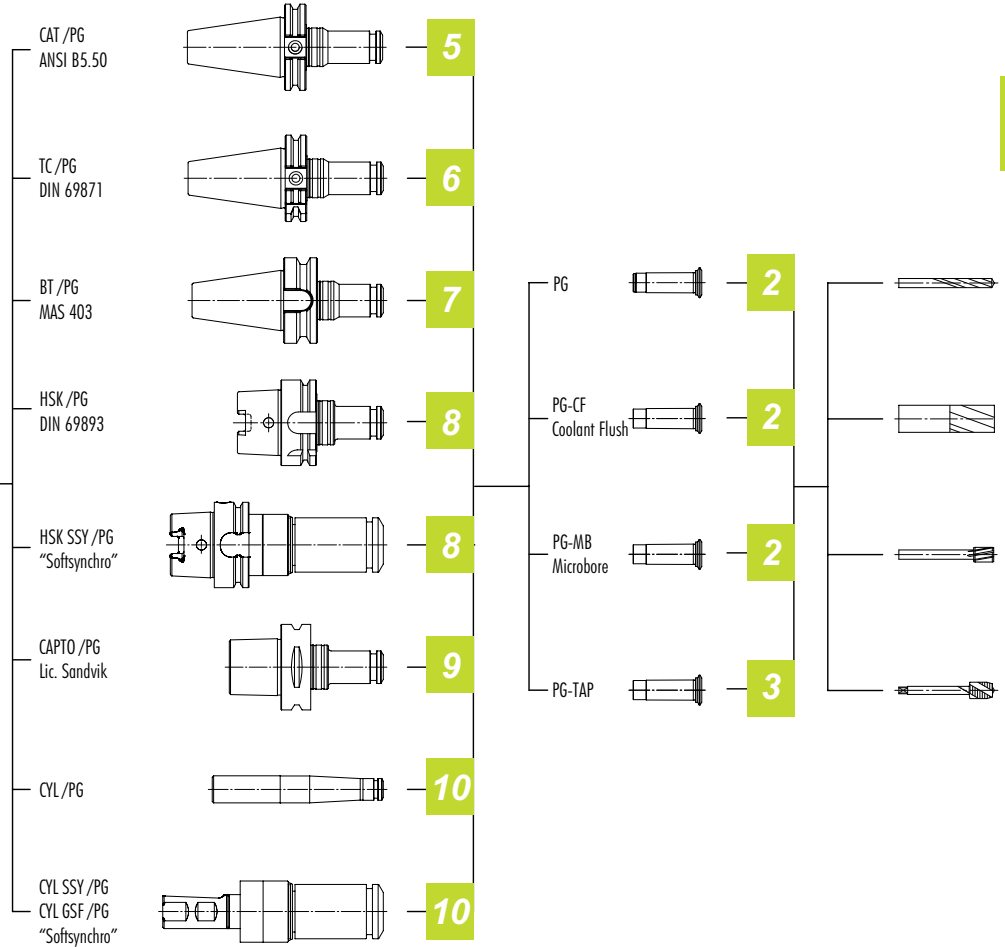
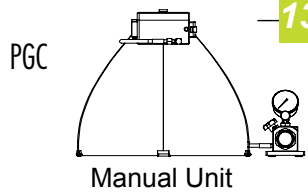
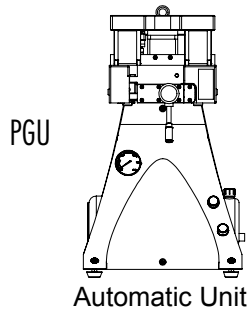


Developed for optimal productivity such as High Speed Cutting (HSC) and High Performance Cutting (HPC)

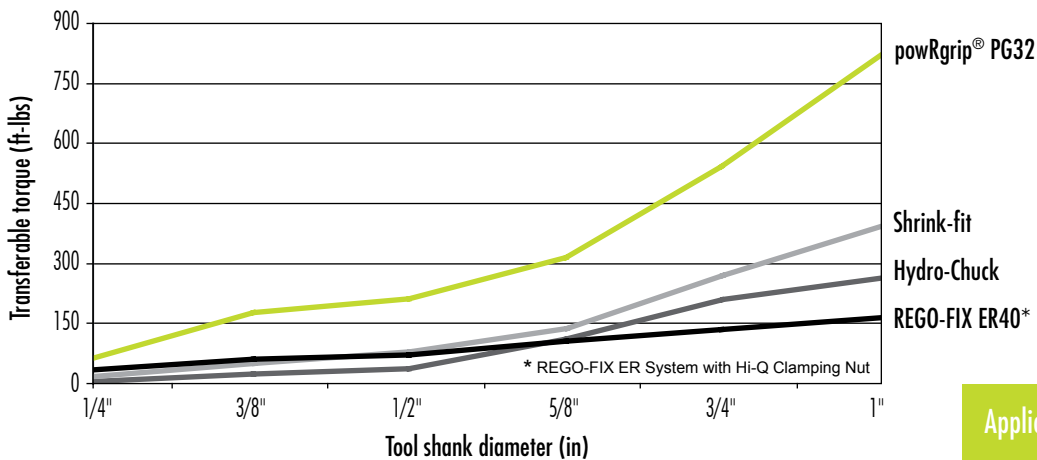
powRgrip SYSTEM

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PGU or PGC required for toolholder assembly. See page 13.07 for machine details.



Transferable Torque of the powRgrip® System



Application example, see:
www.rego-fix.com/video