



powRgrip® System

The ambitious toolholding system

Product catalog

REGO-FIX 

Providing solutions for cutting-edge toolholding

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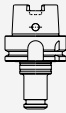
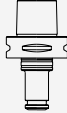


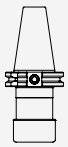
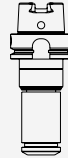

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Experience the powerful powRgrip® range

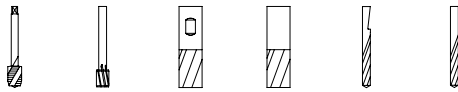
1.0 | PG collets

| Standard | | | | Cylindrical collets | Pullout protection secuRgrip® | Collet holders for tapping | | |
|---|---|---|---|---|---|---|---|---|
| SK/PG | BT/PG | HSK/PG | REGO-FIX CAPTO/PG licensed by Sandvik Coromant | CYL/PG | ISO 20/PG | PG-SG | HSK-A SSY | CYL SSY CYL GSF |
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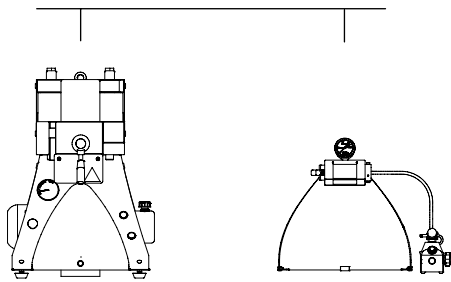
2.0 | PG collets

| Micro machining | Standard | Cooling | Long shanks | Short shanks | Turning collets | Pullout protection secuRgrip® | Collets for tapping |
|---|---|---|---|---|--|---|---|
| PG-MB | PG | PG-CF | PG-L | PG-S | PG-T | PG-SG | PG-TAP |
|  |  |  |  |  |  |  |  |
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Suitable for carbide or HSS milling cutter in all shank forms (Weldon, Whistle-Notch, etc.)



For the automatic clamping unit PGU 9500 and other accessories please refer to page 72.





At a glance

Providing solutions for cutting-edge toolholding

Our holistic toolholding systems excel with extraordinary reliability, high precision and outstanding quality.

Pioneering spirit Fritz Weber, a Swiss master craftsman, tapped into the promising optimism in the 1950s and founded a small business called Fritz Weber Feinmechanik und Werkzeugbau. With his innovative spirit and stern determination, Fritz Weber gradually expanded his range of products. The company, now called REGO-FIX AG, achieved international recognition in 1972 with the invention of the ER clamping system. Thus, changing the toolholding industry forever. The ER System, made in Switzerland, is an industrial standard clamping element. It set the industry standard and even became DIN Standard (DIN 6499) in 1993. Today, the ER collet made by REGO-FIX is still the most used clamping collet worldwide.

Shaping the future REGO-FIX is an international family-owned company that is run by the sons of Fritz Weber. With its over 220 employees, REGO-FIX manufactures and markets high-precision toolholding systems worldwide. Headquartered in Tenniken, Switzerland, the company has established itself

as one of the leading manufacturers of toolholding systems and enjoys an excellent industry-wide reputation. Through its close network of distributors and subsidiaries in the US and China, REGO-FIX is strategically well positioned and possesses a worldwide presence in key markets. With groundbreaking product inventions, REGO-FIX developed from a small company to a global solution provider for cutting-edge toolholding systems. At the core of every product lies an aim for machining excellence and a passion for precision.

Cradle of precision REGO-FIX manufactures its products in Switzerland to fit highest quality standards. The products are used in the fields of automotive, aerospace, medical engineering, watchmaking, telecommunications and also in the die and mold industry.

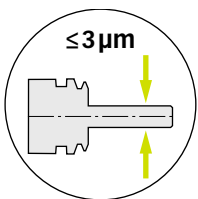


powRgrip® System

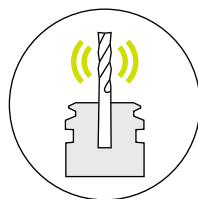
Meet high machining demands

The powRgrip® System provides excellent runout, high vibration dampening as well as easy and secure handling for demanding high-speed milling and drilling. The clamping unit PGU 9500 has been awarded a Red Dot award for industrial design, highlighting the good usability and outstanding design of the machine.

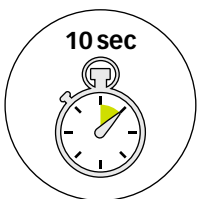
Key advantages



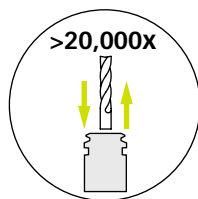
Total system runout
TIR ≤ 3 μm at 3 x D.



Excellent vibration dampening.



Tool ready for use in less
than 10 seconds.

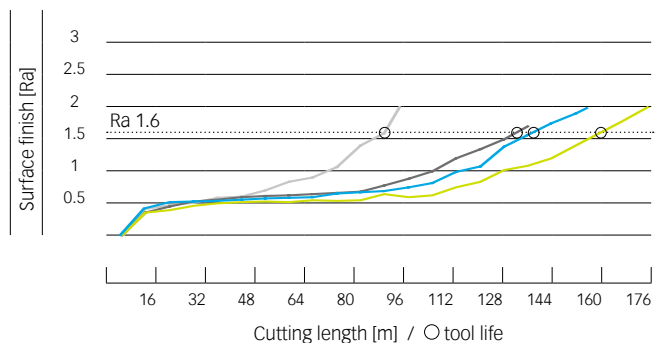


Maximum clamping force and
low runout, even after 20,000 tool
changes.

Power and precision combined An outstanding tool runout is one of the most positive influences on enhancing your tool life.

Increased cutter tool life with the powRgrip® System

Influence of tool runout on tool life / Source: In-house testing



- powRgrip®
- REGO-FIX ER system with Hi-Q® clamping nut
- Shrink-fit
- Hydro-chuck

Three systems – one brand

Our brand unites three different toolholding systems. Each system has different strengths to fit your machining needs, but at the heart of each system lies our aim for toolholding excellence.

powRgrip® System

For high-end machining with a total system **TIR ≤3 µm at 3xD**

PG colletholders

Taper accuracy AT3

Surface finish
max. Ra 0.25

High transferable torque
up to 1,100 Nm

PG collets

Clamping range
from 0.2 up to 25.4 mm

Special surface treatment
ensures longevity

Clamps all shanks
with tolerance h6

Vibration dampening
for high RPM

A holistic system approach

All parts are designed for exclusive fit to ensure toolholding excellence.

ER System

Our ideal system for standard machining

ER colletholders

Runout TIR ≤3 µm

Taper accuracy AT3

Surface finish max. Ra 0.25

Factory balanced

ER collets

Wide clamping range: from ER 8 up to ER 50 and
for diameters from 0.2 mm up to 36 mm

Clamping capacity 0.5 mm to 2.0 mm

Runout TIR ≤10 µm at 3xD for ER standard

Runout TIR ≤5 µm at 3xD for ER-UP

ER clamping nuts

Collet-locking system

Balanced by design

Special surface treatment improves transferable torque
and protects against corrosion

micRun® System

Total system **TIR ≤ 3 µm at 3xD**

MR colletholders

Taper accuracy AT3

Polished surface for improved performance

Balanced for high RPM

Vibration dampening

MR collets

Clamping range from 1.0 mm to 20.0 mm

Nominal diameter shanks h11

MR clamping nuts

Collet-locking system

Balanced by design

Grooveless design for higher RPM

Freewheel wrench head

A holistic system approach

All parts are designed for exclusive fit to ensure toolholding excellence.

Concentricity and optimum vibration dampening saves time and money

Ambitious toolholding The innovative technological accomplishment is reflected in the uniqueness of the tool-clamping procedure in a demanding high-precision environment, as well as the persistence of the clamped toolholder. Thanks to the unique clamping method of PGU, the clamped tools can be used in production quickly and safely. The advanced technology not only increases the work safety for the user, but also reflects our ecological thinking, which manifests itself – among other things – through low energy consumption during the clamping process. The clamping unit clamps the powRgrip® collet into the colletholder with a force of up to 90 kN. The pressure fit provided between the collet and colletholder creates a radial force, which is concentrated on the tool shank via the slotted collet and holds the tool safely and with a high degree of concentricity.

The powRgrip® System consists of

- // High-precision powRgrip® collet
- // powRgrip® colletholder
- // powRgrip® clamping unit (automatic or manual)

How the powRgrip® System works

- // Insert the powRgrip® collet into the powRgrip® colletholder
- // Insert the cutting tool into the powRgrip® collet
- // Clamp collet and cutting tool into the powRgrip® colletholder with a powRgrip® clamping unit PGU (automatic) or PGC (manual)



Cutting tool



powRgrip® collet



powRgrip® colletholder



Automatic clamping unit PGU



Manual clamping unit PGC

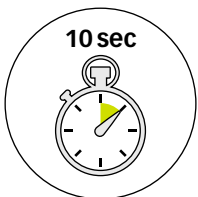
Toolholding made fast, safe and easy

The clamping unit PGU 9500 has been awarded the Red Dot design award for industrial design, highlighting the good usability and outstanding design of the machine.

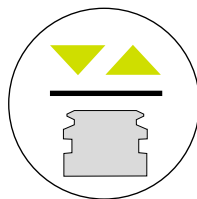


reddot award 2015
honourable mention industrial design

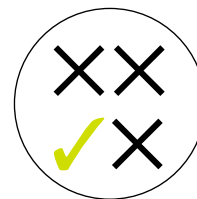
Key advantages



Clamp the tool safely and securely by pushing just one button. The clamping will take less than 10 seconds, without the use of heat.



Clamp tools with maximum clamping force and best runout in the powRgrip® collet and colletholder.



Smart System – no setting of parameters required. Clamping pressure is controlled by the insertion of the respective clamping insert (APG). There are five clamping inserts (APG) available for the clamping of different collet sizes.



powRgrip® won us over from the very beginning – and has continued to do so over the years – with its high holding forces, the possibility of internal cooling, and its speed. powRgrip® covers everything.

Holger Kraeft Managing Director of Deicken & Engels

Customer testimonial: powRgrip® in use

Going all in with powRgrip®

Contract manufacturer Deicken & Engels Maschinenfabrik GmbH & Co. KG has based its entire production on a single toolholding system: powRgrip®. The company in northern Germany has experienced firsthand the flexibility of powRgrip®, its runout accuracy and speed.

Improving efficiency and reducing costs “In the course of a machine and tooling technology changeover to solid carbide high-speed tools in 2009. We made our initial investment in the powRgrip® toolholding system, which established the basis for our highly innovative production,” explained Holger Kraeft, Managing Director of Deicken & Engels.

Remarkable flexibility “Initially, the focus was on setting up cutting data and the acquisition of new machines and tools, whereas the next step now is the optimization process improving efficiency, reducing costs, and saving time.” This is where powRgrip® plays a central role in Stuhr, because the toolholding system from REGO-FIX is the only system used in the entire production. Just one system for grinding, finishing, roughening, and thread-cutting – proof of the high flexibility of powRgrip®. In the meantime, two powRgrip® units are used for all applications in the production. This is all the more noteworthy, because Deicken & Engels serves a very broad

diversity of customers and industries. Thus handling a wide variety of materials and work processes.

Workmaterial flexibility Materials such as aluminium alloys, common structural steels, stainless steels, high-strength alloys, plastics, forged stainless steels, and special steels with high tensile strengths of up to 1,200 N/mm² are difficult to machine, but they can all be mastered with powRgrip®. After years of use, no one at Deicken & Engels can recall a time in which they could not count on the strengths of powRgrip® – with its runout accuracy and holding force.

The set up (tool change times) and the question of how to save time were also an important emphasis at the northern German company. Deicken & Engels operates with the strategy of always keeping 60 basic tools in the machine. Before powRgrip®, all the tools in the machine had to be changed out. Now the contract manufacturer works with

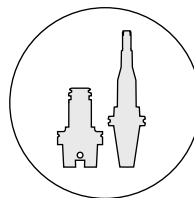


a base stock of tools which remain in the machine. With a 100-piece tool magazine, basic equipment with 60 tools remain in the machine and can be used for approximately 80% of all machining. With this strategy, a greater initial investment had to be made for the basic equipment of the machines. In the long run this way is without a doubt the more sustainable investment.

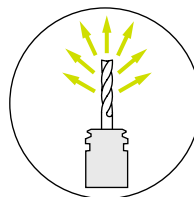
Deicken & Engels has achieved improvements in production with the extra-long powRgrip® toolholders, which are purchased from REGO-FIX as standard equipment. Even with the pivot-head machines that the company uses, the machining of workpieces is sometimes a challenge. The system is already a great help – but the bar is being constantly raised. If an extension of 400 mm is sufficient today, the customer will assume tomorrow that a standard of 500 mm will be available. In combination with the Coromant Capto interface, the contract manufacturer achieves very good results with extra-long toolholders and optimal results with the standard lengths supplied by REGO-FIX.

True fans powRgrip® has absolutely proven its value at Deicken & Engels. The advantages of the system – perfection and precision – were quickly recognized. Deicken & Engels consider themselves to be big powRgrip® fans and are convinced that their production is now well-armed for a successful future.

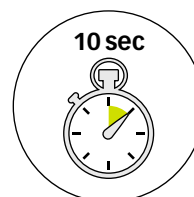
At a glance



XL length toolholders are standard in the REGO-FIX product range and are immediately available. Their long and slim design allows for precise machining even with limited space.



Ultimate workmaterial flexibility with powRgrip®. Even difficult-to-machine materials with high tensile strengths can be machined successfully.



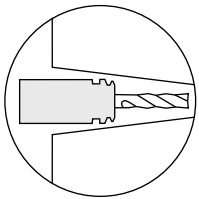
Clamp the tool safely and securely by pushing just one button. The clamping will take less than 10 seconds, without the use of heat.

XL vibration dampening

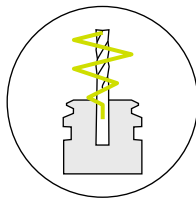
Optimize your surface finish and extend tool life by minimizing occurring vibrations during machining.

Minimize tool vibrations The MICRO-FRICTION DAMPENING™ (MFD) technology (pat. pend.) by REGO-FIX allows our XL colletholders to dissipate vibrations faster than standard long-reach colletholders. Dampening the vibrations faster means that your cutting tool, part and spindle will see less vibrations resulting in better surface finishes, longer tool life and less spindle wear. All REGO-FIX XL colletholders are balanced to G 2.5 @ 5,000 rpm.

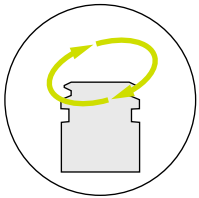
Key advantages



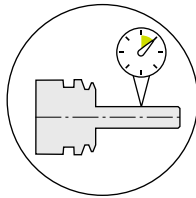
Minimal outside dimensions:
long and slim design.



Exclusive vibration-
dampening design.



Balanced by design.



Total system runout
TIR $\leq 10 \mu\text{m}$ at 3xD.





Special solutions: PG secuRgrip® and Heavy Duty

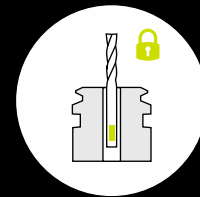
Form-fit for 100% pullout protection

With our innovative secuRgrip® solution, we offer a total tool pullout protection for the PG System.

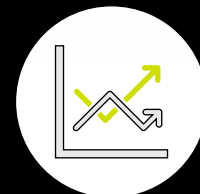


Threaded insert for end mill flat

Key advantages

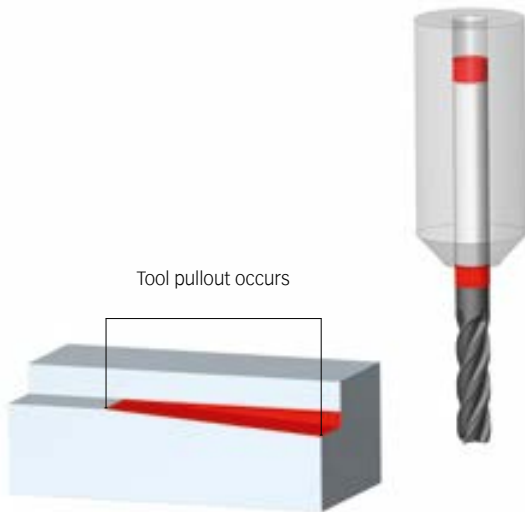


PG secuRgrip® is available for all standard tools with Weldon flat (10–25.4 mm), without additional modifications.

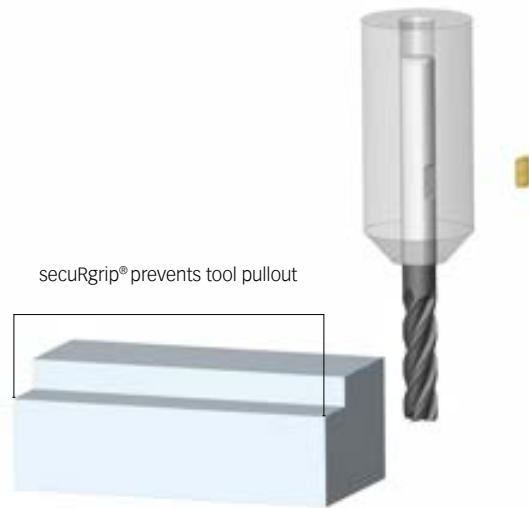


Increase productivity through process reliability.

Safe machining even for difficult-to-handle workpieces



Length alterations can lead to damage of the workpiece.



Prevent workpiece damage by using REGO-FIX secuRgrip®.

Full protection where you need it The secuRgrip® threaded insert is designed to fit in any tool with a Weldon flat. This way you can use the tool of your choice. In combination with our PG secuRgrip® collet, we offer the ultimate tool pullout protection at a competitive price. Avoiding length alterations caused by tool pullout results in improved process reliability and ultimately improves your overall machining productivity. Our secuRgrip® solution is available for PG 15, PG 25 and PG 32 – just the right sizes when it comes to rough machining.

- // No additional costs for replacing damaged tools, thanks to PG secuRgrip®
- // No modification of the tool shank is required
- // Extra protection for worry-free machining, especially with expensive work pieces

All-new Heavy Duty secuRgrip® toolholders

HD-SG PG holders New Heavy Duty secuRgrip® toolholders are up to two times more rigid than standard holders. And, they include secuRgrip design for 100% protection against tool pullout.

- // Includes secuRgrip® design to prevent pullout
- // Most designs retain the use of balance rings
- // Fits existing powRgrip® clamping units
- // Up to 2 times more rigid than standard holders
- // Increases feed rates to maximize tooling efficiency
- // Better surface finish with less deflection
















**Customers from all around the world
rely on Swiss-made REGO-FIX products.
From Tenniken, we deliver customers
in fast-paced industries with
the highest demands for precision.**

We offer competitive solutions

| Standard | | | | Cylindrical collets | Pullout protection secuRgrip® | Collet holders for tapping | | |
|---|---|---|---|---|---|---|---|---|
| SK/ PG | BT/ PG | HSK/ PG | REGO-FIX CAPTO/PG licensed by Sandvik Coromant | CYL/ PG | ISO 20/ PG | PG-SG | HSK-A SSY | CYL SSY CYL GSF |
|  |  |  |  |  |  |  |  |  |
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Minimize runout – boost productivity

Experience outstanding quality We at REGO-FIX know how to minimize your runout and boost your productivity. This is why we designed our powRgrip® colletholders to fulfill diverse criteria all crucial for achieving machining excellence.

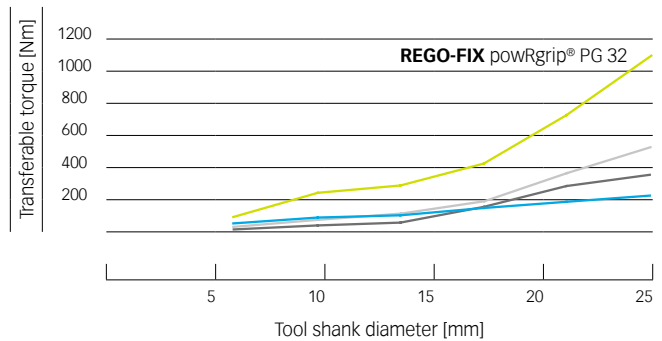
The outstanding design paired with our experienced engineering make the powRgrip® products one of our most powerful toolholding options. Our PG clamping collets convince with a solid collet TIR of down to 1 µm, leading to a total system runout of max. TIR of 3 µm. Further increases in machining productivity are possible by incorporating our matching items.

The PG colletholder and collet together make the PG System a high-quality and high-precision option for challenging machining applications. What you see is what you get: all our products bear the REGO-FIX triangle – our seal for outstanding Swiss quality.

True power A competitor comparison indicates that the transferable torque with powRgrip® is more than twice as high as the same tool shank diameter clamped with a shrink-fit method. This results in powRgrip® being the ultimate toolholding system for HPC and HSC cutting.

Transferable torque of the powRgrip® System

Measured transferable torque per shank diameter / Source: In-house testing



- powRgrip® PG 32
- Shrink-fit
- Hydro chuck
- REGO-FIX ER 40



Swiss quality standard

Our products marked Swiss made are manufactured at our headquarters in Tenniken, Switzerland.

SK steep taper collets

Universally suitable for different machining applications.

DIN 69871 / DIN ISO 7388-1

Features and benefits

Total system runout TIR $\leq 3 \mu\text{m}$

Our holistic system consists of a powRgrip® collet and holder. All components together ensure best runout and accuracy.

Collet runout TIR $\leq 1 \mu\text{m}$

Measured from collet cavity to outer taper.

Taper accuracy AT3

Better spindle-to-holder fit and accuracy.

Surface finish max. Ra 0.25

Achieve high clamping force and high transferable torque.

Balancing

100 % balanced to G 2.5 @ 22,000 rpm.

Balancing in XL collets

100 % balanced to G 2.5 @ 5,000 rpm.

Hi-Q® balancing system

Ready to accept Hi-Q® balancing rings which allow for the offset of the imbalance introduced by the cutting tool up to 80,000 rpm depending on the balancing rings used. All collets with the additional type information "H" in the part number are designed for balancing rings.

Vibration dampening

Our holders offer good vibration dampening to sustain a high surface finish and can help prevent chatter.

ID chip hole

In accordance with DIN 69873 for 10 mm diameter.





SK/PG and SK/PG XL collets

Applications

These collets are designed for CNC-machining centers with an automatic tool changer. They are universally suitable for different machining applications. Their vibration dampening reduces spindle wear and extends tool life.

Balancing

REGO-FIX SK/PG collets are balanced to G 2.5 @ 22,000 rpm. Type H collets are ready to accept Hi-Q® balancing rings which allow precision balancing of the system including cutting tool up to 80,000 rpm depending on the balancing rings used.

SK/PG XL available

Due to their good vibration dampening characteristics, SK/PG XL holders are ideally suited in all machining processes where the standard length collets cannot be used.

For more details on our XL collets, please refer to page 10.

Cooling options

PG standard collets for tools with an internal coolant supply (metallic sealed).
Coolant flush collets PG-CF for peripheral cooling.

Matched tooling system for best fit

For highest precision and best results the entire machining system counts. Therefore REGO-FIX components are carefully matched for optimum fit and accuracy. This guarantees the best runout and balance.

For the influence of runout on tool life, please refer to page 3.

| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|----------------------|------------|-----------------|----|----|-----|-----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| SK 30 | | | | | | | | |
| SK 30/PG 6 x 080 H | 4230.70640 | 10 | – | – | 80 | – | – | 225 |
| SK 30/PG 10 x 060 | 2230.71020 | 16 | – | – | 60 | – | – | – |
| SK 30/PG 10 x 073 H | 4230.71030 | 16 | – | – | 73 | – | – | 285 |
| SK 30/PG 15 x 060 | 2230.71520 | 24 | – | – | 60 | – | – | – |
| SK 30/PG 15 x 080 H | 4230.71540 | 24 | – | – | 80 | – | – | 285 |
| SK 30/PG 15 x 120 H | 4230.71560 | 24 | – | – | 120 | – | – | 285 |
| SK 30/PG 25 x 080 | 2230.72540 | 40 | – | – | 80 | – | – | – |
| SK 30/PG 25 x 160 H | 4230.72580 | 40 | – | – | 160 | – | – | 405 |
| SK 40 | | | | | | | | |
| SK 40/PG 10 x 080 H | 4240.71040 | 16 | – | – | 80 | – | – | 285 |
| SK 40/PG 10 x 120 H | 4240.71060 | 16 | – | – | 120 | – | – | 285 |
| SK 40/PG 10 x 160 H | 4240.71080 | 16 | – | – | 160 | – | – | 325 |
| SK 40/PG 10 x 220 XL | 8842.71050 | 16 | 46 | 28 | 220 | 140 | 31 | – |
| SK 40/PG 10 x 260 XL | 8842.71090 | 16 | 46 | 28 | 260 | 140 | 31 | – |
| SK 40/PG 10 x 300 XL | 8842.71130 | 16 | 46 | 28 | 300 | 140 | 31 | – |
| SK 40/PG 10 x 320 XL | 8842.71150 | 16 | 46 | 28 | 320 | 240 | 31 | – |
| SK 40/PG 10 x 360 XL | 8842.71190 | 16 | 46 | 28 | 360 | 240 | 31 | – |
| SK 40/PG 10 x 400 XL | 8842.71230 | 16 | 46 | 28 | 400 | 240 | 31 | – |
| SK 40/PG 15 x 072 | 2240.71530 | 24 | – | – | 72 | – | – | – |
| SK 40/PG 15 x 080 H | 4240.71540 | 24 | – | – | 80 | – | – | 285 |
| SK 40/PG 15 x 120 H | 4240.71560 | 24 | – | – | 120 | – | – | 325 |
| SK 40/PG 15 x 160 H | 4240.71580 | 24 | – | – | 160 | – | – | 325 / 285 |
| SK 40/PG 15 x 220 XL | 8842.73050 | 24 | 46 | 28 | 220 | 140 | 55 | – |
| SK 40/PG 15 x 260 XL | 8842.73090 | 24 | 46 | 28 | 260 | 140 | 55 | – |
| SK 40/PG 15 x 300 XL | 8842.73130 | 24 | 46 | 28 | 300 | 140 | 55 | – |
| SK 40/PG 15 x 320 XL | 8842.73150 | 24 | 46 | 28 | 320 | 240 | 55 | – |
| SK 40/PG 15 x 360 XL | 8842.73190 | 24 | 46 | 28 | 360 | 240 | 55 | – |
| SK 40/PG 15 x 400 XL | 8842.73230 | 24 | 46 | 28 | 400 | 240 | 55 | – |
| SK 40/PG 25 x 072 | 2240.72530 | 40 | – | – | 72 | – | – | – |
| SK 40/PG 25 x 080 H | 4240.72540 | 40 | – | – | 80 | – | – | 405 |
| SK 40/PG 25 x 120 H | 4240.72560 | 40 | – | – | 120 | – | – | 405 |
| SK 40/PG 25 x 160 H | 4240.72580 | 40 | – | – | 160 | – | – | 405 / 405 |
| SK 40/PG 25 x 220 XL | 8842.76050 | 40 | 55 | – | 220 | 140 | – | – |
| SK 40/PG 25 x 320 XL | 8842.76150 | 40 | 55 | – | 320 | 240 | – | – |
| SK 40/PG 32 x 080 | 2240.73240 | 50 | – | – | 80 | – | – | – |

* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery.

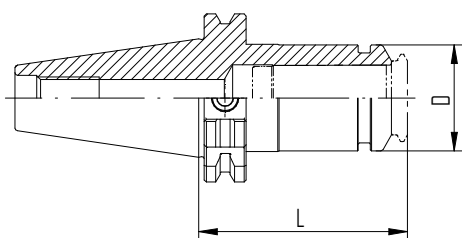
Other XL sizes available on request.

| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|-----------------------|------------|-----------------|----|----|-----|----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| SK-B 40 | | | | | | | | |
| SK-B 40/PG 10 x 080 H | 4240.71043 | 16 | - | - | 80 | - | - | 285 |
| SK-B 40/PG 10 x 120 H | 4240.71063 | 16 | - | - | 120 | - | - | 285 |
| SK-B 40/PG 10 x 160 H | 4240.71083 | 16 | - | - | 160 | - | - | 325 |
| SK-B 40/PG 15 x 072 | 2240.71533 | 24 | - | - | 72 | - | - | - |
| SK-B 40/PG 15 x 080 H | 4240.71543 | 24 | - | - | 80 | - | - | 285 |
| SK-B 40/PG 15 x 120 H | 4240.71563 | 24 | - | - | 120 | - | - | 325 |
| SK-B 40/PG 15 x 160 H | 4240.71583 | 24 | - | - | 160 | - | - | 325/285 |
| SK-B 40/PG 25 x 072 | 2240.72533 | 40 | - | - | 72 | - | - | - |
| SK-B 40/PG 25 x 080 H | 4240.72543 | 40 | - | - | 80 | - | - | 405 |
| SK-B 40/PG 25 x 120 H | 4240.72563 | 40 | - | - | 120 | - | - | 405 |
| SK-B 40/PG 25 x 160 H | 4240.72583 | 40 | - | - | 160 | - | - | 405/405 |
| SK-B 40/PG 32 x 080 | 2240.73243 | 50 | - | - | 80 | - | - | - |

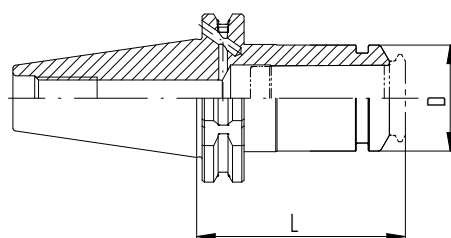
* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery.

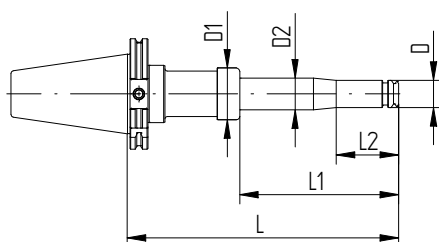
Other XL sizes available on request.



SK/PG (Form A+AD)



SK-B/PG (Form AD+B)



SK/PG XL

SK colletholders

SK-B colletholders

| | |
|----------------|----------------|
| SK | SK-B |
| DIN 69871 | DIN 69871 |
| DIN ISO 7388-1 | DIN ISO 7388-1 |

1.1.1 SK SK-B

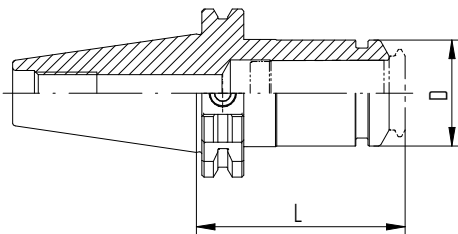
| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|----------------------|------------|-----------------|----|----|-----|-----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| SK 50 | | | | | | | | |
| SK 50/PG 10 x 240 XL | 8852.71070 | 16 | 46 | 28 | 240 | 140 | 31 | – |
| SK 50/PG 10 x 300 XL | 8852.71130 | 16 | 46 | 28 | 300 | 140 | 31 | – |
| SK 50/PG 10 x 340 XL | 8852.71170 | 16 | 46 | 28 | 340 | 240 | 31 | – |
| SK 50/PG 10 x 400 XL | 8852.71230 | 16 | 46 | 28 | 400 | 240 | 31 | – |
| SK 50/PG 15 x 240 XL | 8852.73070 | 24 | 46 | 28 | 240 | 140 | 55 | – |
| SK 50/PG 15 x 300 XL | 8852.73130 | 24 | 46 | 28 | 300 | 140 | 55 | – |
| SK 50/PG 15 x 340 XL | 8852.73170 | 24 | 46 | 28 | 340 | 240 | 55 | – |
| SK 50/PG 15 x 400 XL | 8852.73230 | 24 | 46 | 28 | 400 | 240 | 55 | – |
| SK 50/PG 25 x 081 | 2250.72540 | 40 | – | – | 81 | – | – | – |
| SK 50/PG 25 x 100 H | 4250.72550 | 40 | – | – | 100 | – | – | 505 |
| SK 50/PG 25 x 160 H | 4250.72580 | 40 | – | – | 160 | – | – | 505 / 405 |
| SK 50/PG 25 x 200 H | 4250.72590 | 40 | – | – | 200 | – | – | 505 / 405 |
| SK 50/PG 25 x 320 XL | 8852.76150 | 40 | 55 | – | 320 | 240 | – | – |
| SK 50/PG 32 x 080 | 2250.73240 | 50 | – | – | 80 | – | – | – |
| SK 50/PG 32 x 160 H | 4250.73280 | 50 | – | – | 160 | – | – | 505 |
| SK 50/PG 32 x 220 XL | 8852.78050 | 50 | 58 | – | 220 | 140 | – | – |
| SK 50/PG 32 x 300 XL | 8852.78130 | 50 | 58 | – | 300 | 140 | – | – |
| SK 50/PG 32 x 320 XL | 8852.78150 | 50 | 58 | – | 320 | 240 | – | – |
| SK 50/PG 32 x 400 XL | 8852.78230 | 50 | 58 | – | 400 | 240 | – | – |

| | | | | | | | | |
|-----------------------|------------|----|---|---|-----|---|---|-----------|
| SK-B 50 | | | | | | | | |
| SK-B 50/PG 25 x 081 | 2250.72543 | 40 | – | – | 81 | – | – | – |
| SK-B 50/PG 25 x 100 H | 4250.72553 | 40 | – | – | 100 | – | – | 505 |
| SK-B 50/PG 25 x 160 H | 4250.72583 | 40 | – | – | 160 | – | – | 505 / 405 |
| SK-B 50/PG 25 x 200 H | 4250.72593 | 40 | – | – | 200 | – | – | 505 / 405 |
| SK-B 50/PG 32 x 080 | 2250.73243 | 50 | – | – | 80 | – | – | – |

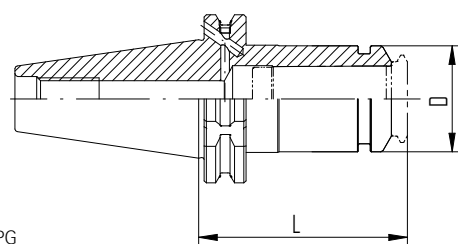
* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery.

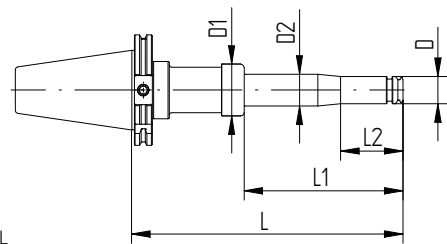
Other XL sizes available on request.



SK/PG



SK-B/PG



SK/PG XL



We believe in what we do.
We design and manufacture
products that meet our passion
for precision, high quality
and design.

Passion for precision

REGO-FIX ▲

BT steep taper collets

Universally suitable for different machining applications, the BT interface collets cater to different machining needs.

MAS 403 / JIS B 6339 / DIN ISO 7388-2

Features and benefits

Total system runout TIR $\leq 3 \mu\text{m}$

Our holistic system consists of a powRgrip® collet holder and collet. All components together ensure best runout and accuracy.

Collet holder runout TIR $\leq 1 \mu\text{m}$

Measured from collet cavity to outer taper.

Taper accuracy AT3

Better spindle-to-holder fit and accuracy.

Surface finish max. Ra 0.25

Achieve high clamping force and high transferable torque.

Balancing

100 % balanced to G 2.5 @ 22,000 rpm.

Balancing in XL collets

100 % balanced to G 2.5 @ 5,000 rpm.

Hi-Q® balancing system

Ready to accept Hi-Q® balancing rings which allow for the offset of the imbalance introduced by the cutting tool up to 80,000 rpm depending on the balancing rings used. All collets with the additional type information "H" in the part number are designed for balancing rings.

Vibration dampening

Our holders offer good vibration dampening to sustain a high surface finish and can help prevent chatter.

ID chip hole

In accordance with DIN 69873 for 10 mm diameter.





BT / PG and BT / PG XL collets

Applications

These collets are designed for CNC-machining centers with an automatic tool changer. They are universally suitable for different machining applications. Their vibration dampening reduces spindle wear and extends tool life.

Balancing

REGO-FIX BT / PG collets are balanced to G 2.5 @ 22,000 rpm. Type H collets are ready to accept Hi-Q® balancing rings which allow precision balancing of the system including cutting tool up to 80,000 rpm depending on the balancing rings used.

BT / PG XL available

Due to their good vibration dampening characteristics, BT / PG XL holders are ideally suited in all machining processes where the standard length collets cannot be used.

For more details on our XL collets, please refer to page 10.

Cooling options

PG standard collets for tools with an internal coolant supply (metallic sealed).
Coolant flush collets PG-CF for peripheral cooling.

Matched tooling system for best fit

For highest precision and best results the entire machining system counts. Therefore REGO-FIX components are carefully matched for optimum fit and accuracy. This guarantees the best runout and balance.

For the influence of runout on tool life, please refer to page 3.

BT colletholders

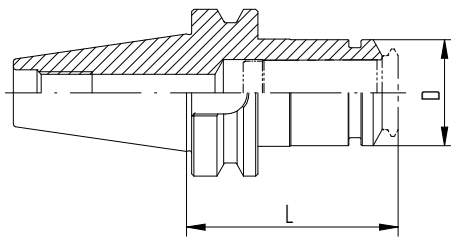
BT
MAS 403
JIS B 6339
DIN ISO 7388-2

1.12 | BT | BT-B

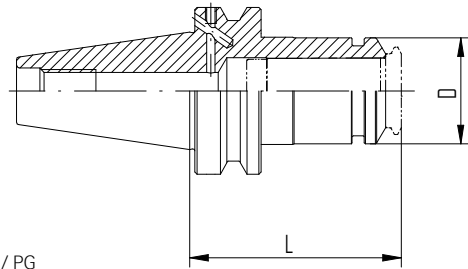
| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|---------------------|------------|-----------------|----|----|-----|----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| BT 30 | | | | | | | | |
| BT 30/PG 6 x 050 | 2130.70610 | 10 | - | - | 50 | - | - | - |
| BT 30/PG 6 x 080 H | 4130.70640 | 10 | - | - | 80 | - | - | 225 |
| BT 30/PG 6 x 100 H | 4130.70650 | 10 | - | - | 100 | - | - | 225 |
| BT 30/PG 10 x 062 | 2130.71020 | 16 | - | - | 62 | - | - | - |
| BT 30/PG 10 x 080 H | 4130.71040 | 16 | - | - | 80 | - | - | 285 |
| BT 30/PG 10 x 120 H | 4130.71060 | 16 | - | - | 120 | - | - | 285 |
| BT 30/PG 10 x 160 H | 4130.71080 | 16 | - | - | 160 | - | - | 285 |
| BT 30/PG 15 x 065 | 2130.71520 | 24 | - | - | 65 | - | - | - |
| BT 30/PG 15 x 070 H | 4130.71530 | 24 | - | - | 70 | - | - | 285 |
| BT 30/PG 15 x 120 H | 4130.71560 | 24 | - | - | 120 | - | - | 285 |
| BT 30/PG 25 x 075 | 2130.72530 | 40 | - | - | 75 | - | - | - |
| BT 30/PG 25 x 080 H | 4130.72540 | 40 | - | - | 80 | - | - | 405 |
| BT 30/PG 25 x 120 H | 4130.72560 | 40 | - | - | 120 | - | - | 405 |
| BT 30/PG 25 x 160 H | 4130.72580 | 40 | - | - | 160 | - | - | 405 / 405 |

* Balancing rings H: Ready to accept balancing rings

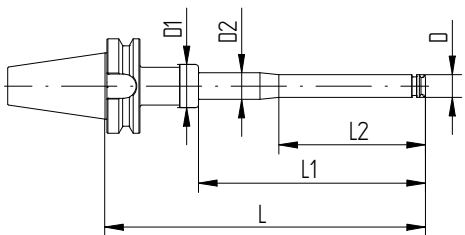
Accessories are not included in delivery.



BT / PG



BT-B / PG



BT / PG XL

BT colletholders

BT-B colletholders

| BT | BT-B |
|----------------|----------------|
| MAS 403 | MAS 403 |
| JIS B 6339 | JIS B 6339 |
| DIN ISO 7388-2 | DIN ISO 7388-2 |

| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|-----------------------|------------|-----------------|----|----|-----|-----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| BT 40 | | | | | | | | |
| BT 40/PG 10 x 080 H | 4140.71040 | 16 | - | - | 80 | - | - | 285 |
| BT 40/PG 10 x 120 H | 4140.71060 | 16 | - | - | 120 | - | - | 325 |
| BT 40/PG 10 x 160 H | 4140.71080 | 16 | - | - | 160 | - | - | 325 |
| BT 40/PG 10 x 220 XL | 8841.71050 | 16 | 46 | 28 | 220 | 140 | 31 | - |
| BT 40/PG 10 x 260 XL | 8841.71090 | 16 | 46 | 28 | 260 | 140 | 31 | - |
| BT 40/PG 10 x 300 XL | 8841.71130 | 16 | 46 | 28 | 300 | 140 | 31 | - |
| BT 40/PG 10 x 320 XL | 8841.71150 | 16 | 46 | 28 | 320 | 240 | 31 | - |
| BT 40/PG 10 x 360 XL | 8841.71190 | 16 | 46 | 28 | 360 | 240 | 31 | - |
| BT 40/PG 10 x 400 XL | 8841.71230 | 16 | 46 | 28 | 400 | 240 | 31 | - |
| BT 40/PG 15 x 075 | 2140.71530 | 24 | - | - | 75 | - | - | - |
| BT 40/PG 15 x 080 H | 4140.71540 | 24 | - | - | 80 | - | - | 285 |
| BT 40/PG 15 x 120 H | 4140.71560 | 24 | - | - | 120 | - | - | 325 |
| BT 40/PG 15 x 160 H | 4140.71580 | 24 | - | - | 160 | - | - | 325 / 285 |
| BT 40/PG 15 x 220 XL | 8841.73050 | 24 | 46 | 28 | 220 | 140 | 55 | - |
| BT 40/PG 15 x 260 XL | 8841.73090 | 24 | 46 | 28 | 260 | 140 | 55 | - |
| BT 40/PG 15 x 300 XL | 8841.73130 | 24 | 46 | 28 | 300 | 140 | 55 | - |
| BT 40/PG 15 x 320 XL | 8841.73150 | 24 | 46 | 28 | 320 | 240 | 55 | - |
| BT 40/PG 15 x 360 XL | 8841.73190 | 24 | 46 | 28 | 360 | 240 | 55 | - |
| BT 40/PG 15 x 400 XL | 8841.73230 | 24 | 46 | 28 | 400 | 240 | 55 | - |
| BT 40/PG 25 x 080 H | 4140.72540 | 40 | - | - | 80 | - | - | 405 |
| BT 40/PG 25 x 120 H | 4140.72560 | 40 | - | - | 120 | - | - | 405 |
| BT 40/PG 25 x 160 H | 4140.72580 | 40 | - | - | 160 | - | - | 405 / 405 |
| BT 40/PG 25 x 226 XL | 8841.76050 | 40 | 55 | - | 226 | 140 | - | - |
| BT 40/PG 25 x 326 XL | 8841.76150 | 40 | 55 | - | 326 | 240 | - | - |
| BT 40/PG 32 x 086 | 2140.73240 | 50 | - | - | 86 | - | - | - |
| BT-B 40 | | | | | | | | |
| BT-B 40/PG 10 x 080 H | 4140.71043 | 16 | - | - | 80 | - | - | 285 |
| BT-B 40/PG 10 x 120 H | 4140.71063 | 16 | - | - | 120 | - | - | 325 |
| BT-B 40/PG 10 x 160 H | 4140.71083 | 16 | - | - | 160 | - | - | 325 |
| BT-B 40/PG 15 x 075 | 2140.71533 | 24 | - | - | 75 | - | - | - |
| BT-B 40/PG 15 x 080 H | 4140.71543 | 24 | - | - | 80 | - | - | 285 |
| BT-B 40/PG 15 x 120 H | 4140.71563 | 24 | - | - | 120 | - | - | 325 |
| BT-B 40/PG 15 x 160 H | 4140.71583 | 24 | - | - | 160 | - | - | 325 / 285 |
| BT-B 40/PG 25 x 080 H | 4140.72543 | 40 | - | - | 80 | - | - | 405 |
| BT-B 40/PG 25 x 120 H | 4140.72563 | 40 | - | - | 120 | - | - | 405 |
| BT-B 40/PG 25 x 160 H | 4140.72583 | 40 | - | - | 160 | - | - | 405 / 405 |
| BT-B 40/PG 32 x 086 | 2140.73243 | 50 | - | - | 86 | - | - | - |

* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery.

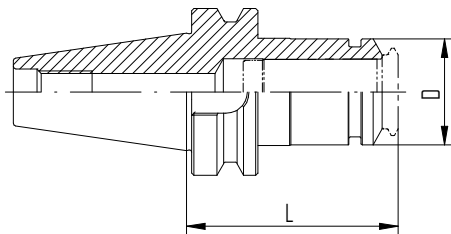
Other XL sizes available on request.

| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|----------------------|------------|-----------------|----|----|-----|-----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| BT 50 | | | | | | | | |
| BT 50/PG 10 x 120 H | 4150.71060 | 16 | – | – | 120 | – | – | 405 |
| BT 50/PG 10 x 160 H | 4150.71080 | 16 | – | – | 160 | – | – | 405 |
| BT 50/PG 10 x 240 XL | 8851.71070 | 16 | 46 | 28 | 240 | 140 | 31 | – |
| BT 50/PG 10 x 260 XL | 8851.71090 | 16 | 46 | 28 | 260 | 140 | 31 | – |
| BT 50/PG 10 x 300 XL | 8851.71130 | 16 | 46 | 28 | 300 | 140 | 31 | – |
| BT 50/PG 10 x 340 XL | 8851.71170 | 16 | 46 | 28 | 340 | 240 | 31 | – |
| BT 50/PG 10 x 360 XL | 8851.71190 | 16 | 46 | 28 | 360 | 240 | 31 | – |
| BT 50/PG 10 x 400 XL | 8851.71230 | 16 | 46 | 28 | 400 | 240 | 31 | – |
| BT 50/PG 15 x 120 H | 4150.71560 | 24 | – | – | 120 | – | – | 325 |
| BT 50/PG 15 x 160 H | 4150.71580 | 24 | – | – | 160 | – | – | 325 |
| BT 50/PG 15 x 240 XL | 8851.73070 | 24 | 46 | 28 | 240 | 140 | 55 | – |
| BT 50/PG 15 x 260 XL | 8851.73090 | 24 | 46 | 28 | 260 | 140 | 55 | – |
| BT 50/PG 15 x 300 XL | 8851.73130 | 24 | 46 | 28 | 300 | 140 | 55 | – |
| BT 50/PG 15 x 340 XL | 8851.73170 | 24 | 46 | 28 | 340 | 240 | 55 | – |
| BT 50/PG 15 x 360 XL | 8851.73190 | 24 | 46 | 28 | 360 | 240 | 55 | – |
| BT 50/PG 15 x 400 XL | 8851.73230 | 24 | 46 | 28 | 400 | 240 | 55 | – |
| BT 50/PG 25 x 100 | 2150.72550 | 40 | – | – | 100 | – | – | – |
| BT 50/PG 25 x 120 H | 4150.72560 | 40 | – | – | 120 | – | – | 505 |
| BT 50/PG 25 x 160 H | 4150.72580 | 40 | – | – | 160 | – | – | 505 / 405 |
| BT 50/PG 25 x 200 H | 4150.72590 | 40 | – | – | 200 | – | – | 505 / 405 |
| BT 50/PG 25 x 240 XL | 8851.76070 | 40 | 55 | – | 240 | 140 | – | – |
| BT 50/PG 25 x 340 XL | 8851.76170 | 40 | 55 | – | 340 | 240 | – | – |
| BT 50/PG 32 x 100 | 2150.73250 | 50 | – | – | 100 | – | – | – |
| BT50/PG 32 x 240 XL | 8851.78070 | 50 | 58 | – | 240 | 140 | – | – |
| BT50/PG 32 x 340 XL | 8851.78170 | 50 | 58 | – | 340 | 140 | – | – |

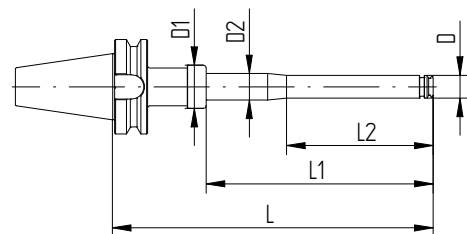
* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery.

Other XL sizes available on request.



BT/PG



BT/PG XL

BT-OM colletholders

| Type | Part no. | Dimensions [mm] | | | | Accessory |
|------------------------|------------|-----------------|----|----|----|-----------|
| | | D | D1 | L | L1 | FWR ...* |
| BT-OM | | | | | | |
| BT-OM 30/PG 10 x 062 | 2130.71028 | 16 | – | 62 | – | – |
| BT-OM 30/PG 15 x 070 H | 4130.71538 | 24 | – | 70 | – | 285 |
| BT-OM 30/PG 25 x 080 H | 4130.72548 | 40 | – | 80 | – | 405 |

* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery.

Information

BT-OM/PG colletholders without drive slots

Applications

This special colleterholder without drive slots is designed for use on HAAS and HURCO CNC-machining centers, for High Speed Cutting (HSC) and High Performance Cutting (HPC). Use up to the max. power limit of the processing machine.

The anti-vibration characteristics of the BT-OM / PG toolholder reduce the wear of spindle and tool.

Balancing

REGO-FIX BT-OM / PG colletholders are balanced to G 2.5 @ 22,000 rpm. Type H colletholders are compatible with Hi-Q® balancing rings which allow precision balancing of the entire system including cutting tool up to 80,000 rpm depending on the balancing rings used.

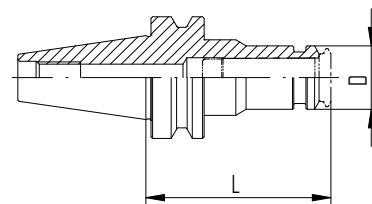
Cooling options

PG standard collets for tools with an internal coolant supply (metallic sealed).
Coolant flush collets PG-CF for peripheral cooling.

Matched tooling system for best fit

For highest precision and best results the entire machining system counts. Therefore REGO-FIX components are carefully matched for optimum fit and accuracy. This guarantees the best runout and balance.

For the influence of runout on tool life, please refer to page 3.

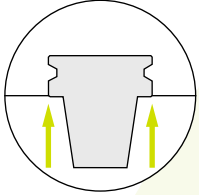


BT-OM / PG

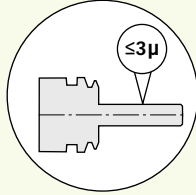
BT+ REGO PLUS dual contact colletholders

Certified The BIG PLUS SYSTEM – licensed by BIG Daishowa – is manufactured at REGO-FIX in Switzerland under license according to BIG PLUS specifications.

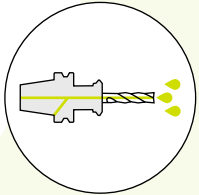
Key advantages



Higher colletholder stiffness due to taper (AT1) and face contact.



Total system runout TIR $\leq 3\mu\text{m}$ at $3 \times D$.



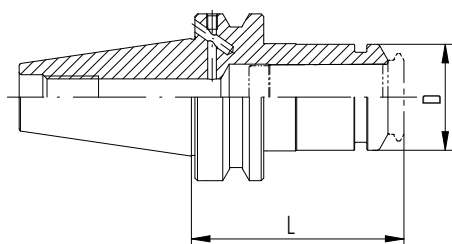
Form AD+B as standard configuration.



| Type | Part no. | Dimensions [mm] | | Accessory |
|----------------------|------------|-----------------|-----|-----------|
| | | D | D1 | FWR ...* |
| BT+ 30 | | | | |
| BT+ 30/PG 10 x 080 H | 4130.71046 | 16 | 80 | 285 |
| BT+ 30/PG 15 x 070 H | 4130.71536 | 24 | 70 | 285 |
| BT+ 30/PG 25 x 080 H | 4130.72546 | 40 | 80 | 405 |
| BT+ 30/PG 25 x 160 H | 4130.72586 | 40 | 160 | 405 / 405 |
| BT+ 40 | | | | |
| BT+ 40/PG 10 x 080 H | 4140.71046 | 16 | 80 | 285 |
| BT+ 40/PG 10 x 120 H | 4140.71066 | 16 | 120 | 325 |
| BT+ 40/PG 15 x 080 H | 4140.71546 | 24 | 80 | 285 |
| BT+ 40/PG 15 x 120 H | 4140.71566 | 24 | 120 | 325 |
| BT+ 40/PG 25 x 080 H | 4140.72546 | 40 | 80 | 405 |
| BT+ 40/PG 25 x 120 H | 4140.72566 | 40 | 120 | 405 |
| BT+ 40/PG 25 x 160 H | 4140.72586 | 40 | 160 | 405 / 405 |
| BT+ 50 | | | | |
| BT+ 50/PG 25 x 120 H | 4150.72566 | 40 | 120 | 505 |
| BT+ 50/PG 25 x 160 H | 4150.72586 | 40 | 160 | 505 / 405 |

* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery.



BT+ / PG

HSK colletholders

Designed for rotating applications, all our HSK colletholders are suited for high-speed applications where consistent performance is key.

DIN 69893 / ISO 12164

Features and benefits

Total system runout TIR $\leq 3 \mu\text{m}$

Our holistic system consists of a powRgrip® colletholder and collet. All components together ensure best runout and accuracy.

Colletholder runout TIR $\leq 1 \mu\text{m}$

Measured from collet cavity to outer taper.

Surface finish max. Ra 0.25

Achieve high clamping force and high transferable torque.

Hi-Q® balancing system

REGO-FIX HSK / PG colletholders are balanced to G 2.5 @ 25,000 rpm. Type H colletholders are ready to accept Hi-Q® balancing rings which allow precision-balancing of the system including cutting tool up to 80,000 rpm depending on the balancing rings used.

Balancing in XL colletholders

100% balanced to G 2.5 @ 5,000 rpm.

Vibration dampening

Our holders offer a good vibration dampening to sustain a high surface finish and can prevent cutting force alterations.

Matched tooling system for best fit

For highest precision and best results the entire machining system counts. Therefore our components are carefully matched for optimum fit and accuracy. This guarantees the best runout and balance.

ID chip hole (only HSK form A)

In accordance with DIN 69873 for 10 mm diameter. Available on request.

Expert advice

For all HSK-A and HSK-E form colletholders a range of coolant tubes (KSR) is available.

For KSR part numbers please refer to page 75.

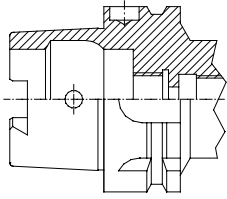


HSK forms and their key characteristics

HSK

DIN 69893

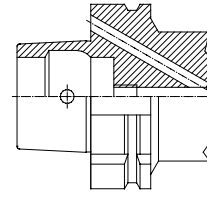
ISO 12164



Form A*

- // Standard type for machining centers and milling machines
- // For automatic tool change
- // Coolant supply through center via coolant tube
- // Drive keys at the end of HSK taper
- // Hole for data carrier DIN STD 69873 in the flange is available on request

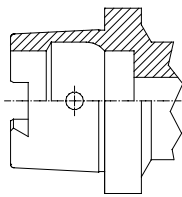
* Also usable in form C applications with side hole for manual tool change.



Form B

- // For machining centers, milling and turning machines
- // With enlarged flange size for higher radial rigidity
- // For automatic tool change
- // Coolant supply through the flange
- // Drive keys at the flange

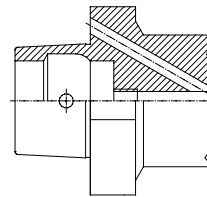
Available on request.



Form C

- // For transfer lines, special machines and modular tooling systems
- // For manual tool change
- // Drive keys at the end of HSK taper

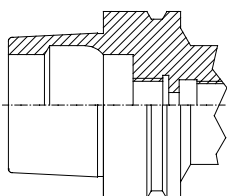
Available on request.



Form D

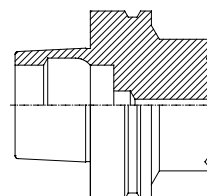
- // For special machines
- // With enlarged flange size for higher radial rigidity
- // For manual tool change
- // Coolant supply through the flange
- // Drive keys at the flange

Available on request.



Form E

- // For high-speed applications
- // For automatic tool change
- // Coolant supply through center via coolant tube
- // Without any drive keys for absolute symmetry



Form F

- // For high-speed applications
- // For automatic tool change
- // With enlarged flange size for higher radial rigidity
- // Without any drive keys for absolute symmetry

| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|-------------------------|------------|-----------------|----|----|-----|-----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| HSK-A 32 | | | | | | | | |
| HSK-A 32/PG 10 x 060 | 2532.71020 | 16 | – | – | 60 | – | – | – |
| HSK-A 32/PG 15 x 075 | 2532.71530 | 24 | – | – | 75 | – | – | – |
| HSK-A 40 | | | | | | | | |
| HSK-A 40/PG 6 x 048 | 2540.70610 | 10 | – | – | 48 | – | – | – |
| HSK-A 40/PG 6 x 080 H | 4540.70640 | 10 | – | – | 80 | – | – | 225 |
| HSK-A 40/PG 10 x 062 | 2540.71020 | 16 | – | – | 62 | – | – | – |
| HSK-A 40/PG 10 x 080 H | 4540.71040 | 16 | – | – | 80 | – | – | 225 |
| HSK-A 40/PG 15 x 074 | 2540.71530 | 24 | – | – | 74 | – | – | – |
| HSK-A 40/PG 15 x 080 H | 4540.71540 | 24 | – | – | 80 | – | – | 285 |
| HSK-A 40/PG 25 x 090 | 2540.72540 | 40 | – | – | 90 | – | – | – |
| HSK-A 40/PG 25 x 100 H | 4540.72550 | 40 | – | – | 100 | – | – | 405 |
| HSK-A 50 | | | | | | | | |
| HSK-A 50/PG 10 x 080 H | 4550.71040 | 16 | – | – | 80 | – | – | 285 |
| HSK-A 50/PG 10 x 120 H | 4550.71060 | 16 | – | – | 120 | – | – | 285 |
| HSK-A 50/PG 15 x 080 H | 4550.71540 | 24 | – | – | 80 | – | – | 285 |
| HSK-A 50/PG 25 x 100 H | 4550.72550 | 40 | – | – | 100 | – | – | 405 |
| HSK-A 63 | | | | | | | | |
| HSK-A 63/PG 6 x 080 H | 4563.70640 | 10 | – | – | 80 | – | – | 225 |
| HSK-A 63/PG 10 x 080 H | 4563.71040 | 16 | – | – | 80 | – | – | 325 |
| HSK-A 63/PG 10 x 120 H | 4563.71060 | 16 | – | – | 120 | – | – | 325 |
| HSK-A 63/PG 10 x 160 H | 4563.71080 | 16 | – | – | 160 | – | – | 325 |
| HSK-A 63/PG 10 x 200 H | 4563.71090 | 16 | – | – | 200 | – | – | 325 |
| HSK-A 63/PG 10 x 240 XL | 8865.71070 | 16 | 46 | 28 | 240 | 140 | 31 | – |
| HSK-A 63/PG 10 x 260 XL | 8865.71090 | 16 | 46 | 28 | 260 | 140 | 31 | – |
| HSK-A 63/PG 10 x 300 XL | 8865.71130 | 16 | 46 | 28 | 300 | 140 | 31 | – |
| HSK-A 63/PG 10 x 340 XL | 8865.71170 | 16 | 46 | 28 | 340 | 240 | 31 | – |
| HSK-A 63/PG 10 x 360 XL | 8865.71190 | 16 | 46 | 28 | 360 | 240 | 31 | – |
| HSK-A 63/PG 10 x 400 XL | 8865.71230 | 16 | 46 | 28 | 400 | 240 | 31 | – |
| HSK-A 63/PG 15 x 080 H | 4563.71540 | 24 | – | – | 80 | – | – | 325 |
| HSK-A 63/PG 15 x 120 H | 4563.71560 | 24 | – | – | 120 | – | – | 325 |
| HSK-A 63/PG 15 x 160 H | 4563.71580 | 24 | – | – | 160 | – | – | 325 / 285 |
| HSK-A 63/PG 15 x 240 XL | 8865.73070 | 24 | 46 | 28 | 240 | 140 | 55 | – |

* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery.

Other XL sizes available on request.

| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|-------------------------|------------|-----------------|----|----|-----|-----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| HSK-A 63/PG 15 x 260 XL | 8865.73090 | 24 | 46 | 28 | 260 | 140 | 55 | – |
| HSK-A 63/PG 15 x 300 XL | 8865.73130 | 24 | 46 | 28 | 300 | 140 | 55 | – |
| HSK-A 63/PG 15 x 340 XL | 8865.73170 | 24 | 46 | 28 | 340 | 240 | 55 | – |
| HSK-A 63/PG 15 x 360 XL | 8865.73190 | 24 | 46 | 28 | 360 | 240 | 55 | – |
| HSK-A 63/PG 15 x 400 XL | 8865.73230 | 24 | 46 | 28 | 400 | 240 | 55 | – |
| HSK-A 63/PG 25 x 100 H | 4563.72550 | 40 | – | – | 100 | – | – | 405 |
| HSK-A 63/PG 25 x 120 H | 4563.72560 | 40 | – | – | 120 | – | – | 405 |
| HSK-A 63/PG 25 x 160 H | 4563.72580 | 40 | – | – | 160 | – | – | 405 / 405 |
| HSK-A 63/PG 25 x 200 H | 4563.72590 | 40 | – | – | 200 | – | – | 405 / 405 |
| HSK-A 63/PG 25 x 240 XL | 8865.76070 | 40 | 55 | – | 240 | 140 | – | – |
| HSK-A 63/PG 25 x 260 XL | 8865.76090 | 40 | 55 | – | 260 | 140 | – | – |
| HSK-A 63/PG 25 x 340 XL | 8865.76170 | 40 | 55 | – | 340 | 240 | – | – |
| HSK-A 63/PG 25 x 360 XL | 8865.76190 | 40 | 55 | – | 360 | 240 | – | – |
| HSK-A 63/PG 32 x 100 | 2563.73250 | 50 | – | – | 100 | – | – | – |
| HSK-A 63/PG 32 x 120 H | 4563.73260 | 50 | – | – | 120 | – | – | 505 |
| HSK-A 63/PG 32 x 240 XL | 8865.78070 | 50 | 58 | – | 240 | 140 | – | – |
| HSK-A 63/PG 32 x 260 XL | 8865.78090 | 50 | 58 | – | 260 | 140 | – | – |
| HSK-A 63/PG 32 x 340 XL | 8865.78170 | 50 | 58 | – | 340 | 240 | – | – |
| HSK-A 63/PG 32 x 360 XL | 8865.76190 | 50 | 58 | – | 360 | 240 | – | – |

HSK-A 80

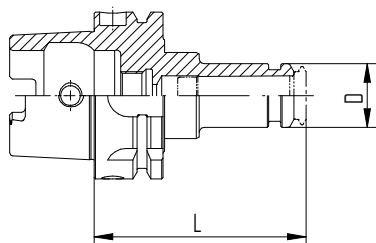
| | | | | | | | | |
|------------------------|------------|----|---|---|-----|---|---|-----|
| HSK-A 80/PG 15 x 085 H | 4580.71540 | 24 | – | – | 85 | – | – | 325 |
| HSK-A 80/PG 25 x 100 H | 4580.72550 | 40 | – | – | 100 | – | – | 505 |
| HSK-A 80/PG 32 x 105 H | 4580.73250 | 50 | – | – | 105 | – | – | 505 |

* Balancing rings H: Ready to accept balancing rings

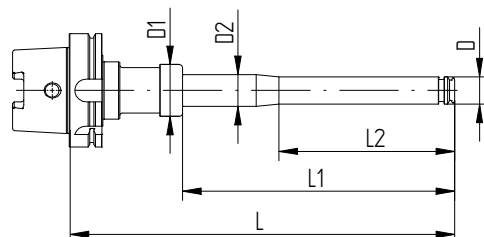
Accessories are not included in delivery.

Other XL sizes available on request.

HSK-A: Hole for data carrier DIN STD 69873 in the flange available on request.



HSK-A/PG



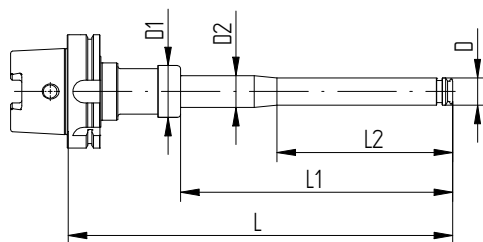
HSK-A/PG XL

| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|--------------------------|------------|-----------------|----|----|-----|-----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| HSK-A 100 | | | | | | | | |
| HSK-A 100/PG 10 x 085 H | 4500.71040 | 16 | – | – | 85 | – | – | 405 |
| HSK-A 100/PG 10 x 160 H | 4500.71080 | 16 | – | – | 160 | – | – | 405 |
| HSK-A 100/PG 10 x 240 XL | 8885.71070 | 16 | 46 | 28 | 240 | 140 | 31 | – |
| HSK-A 100/PG 10 x 300 XL | 8885.71130 | 16 | 46 | 28 | 300 | 140 | 31 | – |
| HSK-A 100/PG 10 x 340 XL | 8885.71170 | 16 | 46 | 28 | 340 | 240 | 31 | – |
| HSK-A 100/PG 10 x 400 XL | 8885.71230 | 16 | 46 | 28 | 400 | 240 | 31 | – |
| HSK-A 100/PG 15 x 085 H | 4500.71540 | 24 | – | – | 85 | – | – | 405 |
| HSK-A 100/PG 15 x 160 H | 4500.71580 | 24 | – | – | 160 | – | – | 405 / 285 |
| HSK-A 100/PG 15 x 240 XL | 8885.73070 | 24 | 46 | 28 | 240 | 140 | 55 | – |
| HSK-A 100/PG 15 x 300 XL | 8885.73110 | 24 | 46 | 28 | 300 | 140 | 55 | – |
| HSK-A 100/PG 15 x 340 XL | 8885.73170 | 24 | 46 | 28 | 340 | 240 | 55 | – |
| HSK-A 100/PG 15 x 400 XL | 8885.73230 | 24 | 46 | 28 | 400 | 240 | 55 | – |
| HSK-A 100/PG 25 x 100 H | 4500.72550 | 40 | – | – | 100 | – | – | 505 |
| HSK-A 100/PG 25 x 120 H | 4500.72560 | 40 | – | – | 120 | – | – | 505 |
| HSK-A 100/PG 25 x 160 H | 4500.72580 | 40 | – | – | 160 | – | – | 505 / 405 |
| HSK-A 100/PG 25 x 200 H | 4500.72590 | 40 | – | – | 200 | – | – | 505 / 405 |
| HSK-A 100/PG 25 x 246 XL | 8885.76070 | 40 | 55 | – | 246 | 140 | – | – |
| HSK-A 100/PG 25 x 346 XL | 8885.76170 | 40 | 55 | – | 346 | 240 | – | – |
| HSK-A 100/PG 32 x 106 H | 4500.73250 | 50 | – | – | 106 | – | – | 505 |
| HSK-A 100/PG 32 x 120 H | 4500.73260 | 50 | – | – | 120 | – | – | 505 |
| HSK-A 100/PG 32 x 160 H | 4500.73280 | 50 | – | – | 160 | – | – | 505 |
| HSK-A 100/PG 32 x 200 H | 4500.73290 | 50 | – | – | 200 | – | – | 505 / 505 |
| HSK-A 100/PG 32 x 246 XL | 8885.78070 | 50 | 58 | – | 246 | 140 | – | – |
| HSK-A 100/PG 32 x 260 XL | 8885.78090 | 50 | 58 | – | 260 | 140 | – | – |
| HSK-A 100/PG 32 x 300 XL | 8885.78130 | 50 | 58 | – | 300 | 140 | – | – |
| HSK-A 100/PG 32 x 340 XL | 8885.78170 | 50 | 58 | – | 340 | 140 | – | – |
| HSK-A 100/PG 32 x 360 XL | 8885.78190 | 50 | 58 | – | 360 | 240 | – | – |
| HSK-A 100/PG 32 x 400 XL | 8885.78230 | 50 | 58 | – | 400 | 240 | – | – |
| HSK-A 100/PG 32 x 440 XL | 8885.78270 | 50 | 58 | – | 440 | 240 | – | – |

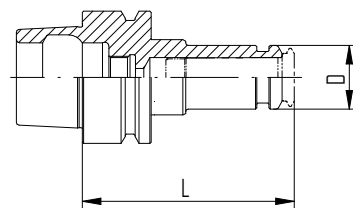
* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery. Other XL sizes available on request.

HSK-A: Hole for data carrier DIN STD 69873 in the flange is available on request.



HSK-A/PG XL



HSK-E/PG

HSK-E colletholders

HSK-E

DIN 69893

ISO 12164

| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|------------------------|------------|-----------------|----|----|-----|----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| HSK-E 25 | | | | | | | | |
| HSK-E 25/PG 6 x 043 | 2525.70614 | 10 | - | - | 43 | - | - | - |
| HSK-E 25/PG 10 x 055 | 2525.71014 | 16 | - | - | 55 | - | - | - |
| HSK-E 32 | | | | | | | | |
| HSK-E 32/PG 6 x 048 | 2532.70614 | 10 | - | - | 48 | - | - | - |
| HSK-E 32/PG 6 x 080 | 2532.70644 | 10 | - | - | 80 | - | - | - |
| HSK-E 32/PG 10 x 060 | 2532.71024 | 16 | - | - | 60 | - | - | - |
| HSK-E 32/PG 10 x 080 | 2532.71044 | 16 | - | - | 80 | - | - | - |
| HSK-E 32/PG 10 x 080 H | 4532.71044 | 16 | - | - | 80 | - | - | 225 |
| HSK-E 32/PG 15 x 075 | 2532.71534 | 24 | - | - | 75 | - | - | - |
| HSK-E 40 | | | | | | | | |
| HSK-E 40/PG 6 x 048 | 2540.70614 | 10 | - | - | 48 | - | - | - |
| HSK-E 40/PG 6 x 080 H | 4540.70644 | 10 | - | - | 80 | - | - | 225 |
| HSK-E 40/PG 10 x 062 | 2540.71024 | 16 | - | - | 62 | - | - | - |
| HSK-E 40/PG 10 x 080 H | 4540.71044 | 16 | - | - | 80 | - | - | 225 |
| HSK-E 40/PG 10 x 120 H | 4540.71064 | 16 | - | - | 120 | - | - | 225 |
| HSK-E 40/PG 10 x 160 H | 4540.71084 | 16 | - | - | 160 | - | - | 285 |
| HSK-E 40/PG 15 x 074 | 2540.71534 | 24 | - | - | 74 | - | - | - |
| HSK-E 40/PG 15 x 080 H | 4540.71544 | 24 | - | - | 80 | - | - | 285 |
| HSK-E 40/PG 15 x 120 H | 4540.71564 | 24 | - | - | 120 | - | - | 285 |
| HSK-E 40/PG 25 x 090 | 2540.72544 | 40 | - | - | 90 | - | - | - |
| HSK-E 40/PG 25 x 100 H | 4540.72554 | 40 | - | - | 100 | - | - | 405 |
| HSK-E 50 | | | | | | | | |
| HSK-E 50/PG 6 x 080 H | 4550.70644 | 10 | - | - | 80 | - | - | 225 |
| HSK-E 50/PG 10 x 067 | 2550.71024 | 16 | - | - | 67 | - | - | - |
| HSK-E 50/PG 10 x 080 H | 4550.71044 | 16 | - | - | 80 | - | - | 285 |
| HSK-E 50/PG 10 x 120 H | 4550.71064 | 16 | - | - | 120 | - | - | 285 |
| HSK-E 50/PG 10 x 160 H | 4550.71084 | 16 | - | - | 160 | - | - | 285 |
| HSK-E 50/PG 15 x 080 H | 4550.71544 | 24 | - | - | 80 | - | - | 285 |
| HSK-E 50/PG 15 x 120 H | 4550.71564 | 24 | - | - | 120 | - | - | 285 |
| HSK-E 50/PG 25 x 100 H | 4550.72554 | 40 | - | - | 100 | - | - | 405 |
| HSK-E 63 | | | | | | | | |
| HSK-E 63/PG 15 x 080 H | 4563.71544 | 24 | - | - | 80 | - | - | 325 |
| HSK-E 63/PG 25 x 100 H | 4563.72554 | 40 | - | - | 100 | - | - | 405 |

* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery.

HSK-F colletholders

HSK-F

DIN 69893

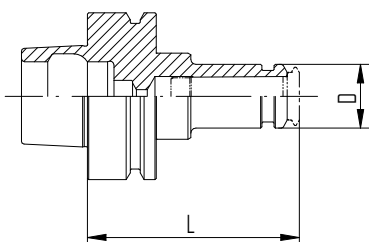
ISO 12164

1.13 HSK

| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|------------------------|------------|-----------------|----|----|-----|----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| HSK-F 63 | | | | | | | | |
| HSK-F 63/PG 10 x 080 H | 4563.71045 | 16 | - | - | 80 | - | - | 325 |
| HSK-F 63/PG 10 x 120 H | 4563.71065 | 16 | - | - | 120 | - | - | 325 |
| HSK-F 63/PG 10 x 160 H | 4563.71085 | 16 | - | - | 160 | - | - | 325 |
| HSK-F 63/PG 15 x 080 H | 4563.71545 | 24 | - | - | 80 | - | - | 325 |
| HSK-F 63/PG 15 x 120 H | 4563.71565 | 24 | - | - | 120 | - | - | 325 |
| HSK-F 63/PG 15 x 160 H | 4563.71585 | 24 | - | - | 160 | - | - | 325 / 285 |
| HSK-F 63/PG 25 x 100 H | 4563.72555 | 40 | - | - | 100 | - | - | 405 |
| HSK-F 63/PG 25 x 160 H | 4563.72585 | 40 | - | - | 160 | - | - | 405 |
| HSK-F 63/PG 32 x 100 | 2563.73255 | 50 | - | - | 100 | - | - | - |

* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery.



HSK-F / PG



REGO-FIX CAPTO colletholders

These self-centering and balanced colletholders enable high-torque transmission and show a high-bending strength.

ISO 12164

Features and benefits

Total system runout TIR $\leq 3 \mu\text{m}$

Our holistic system consists of a powRgrip® colletholder and collet. All components together ensure best runout and accuracy.

Colletholder runout TIR $\leq 1 \mu\text{m}$

Measured from collet cavity to outer taper.

Surface finish max. Ra 0.25

Achieve high clamping force and high transferable torque.

Balancing

100 % balanced to G 2.5 @ 25,000 rpm.

Balancing in XL colletholders

100 % balanced to G 2.5 @ 5,000 rpm.

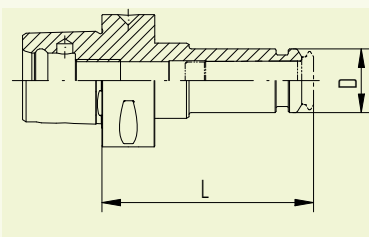
Hi-Q® balancing system

Ready to accept Hi-Q® balancing rings which allow for the offset of the imbalance introduced by the cutting tool up to 80,000 rpm depending on the balancing rings used. All colletholders with the additional type information "H" in the part number are designed for balancing rings.

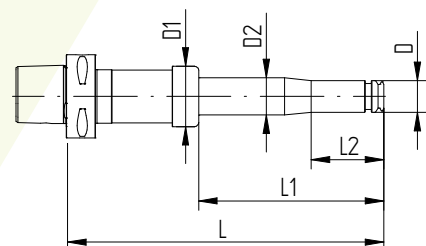
Vibration dampening

Our holders offer good vibration dampening to sustain a high surface finish and can prevent cutting force alterations.

Certified REGO-FIX CAPTO – licensed by Sandvik Coromant – is manufactured at REGO-FIX Switzerland under license according to CAPTO specifications.



C/PG



C/PG XL

| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|-------------------|------------|-----------------|----|----|-----|-----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| C3 | | | | | | | | |
| C3/PG 6 x 045 | 2803.70610 | 10 | – | – | 45 | – | – | – |
| C3/PG 10 x 055 | 2803.71010 | 16 | – | – | 55 | – | – | – |
| C4 | | | | | | | | |
| C4/PG 6 x 048 | 2804.70610 | 10 | – | – | 48 | – | – | – |
| C4/PG 10 x 060 | 2804.71020 | 16 | – | – | 60 | – | – | – |
| C4/PG 10 x 080 H | 4804.71040 | 16 | – | – | 80 | – | – | 225 |
| C4/PG 15 x 062 | 2804.71520 | 24 | – | – | 62 | – | – | – |
| C4/PG 15 x 080 H | 4804.71540 | 24 | – | – | 80 | – | – | 285 |
| C5 | | | | | | | | |
| C5/PG 6 x 080 H | 4805.70640 | 10 | – | – | 80 | – | – | 225 |
| C5/PG 10 x 060 | 2805.71020 | 16 | – | – | 60 | – | – | – |
| C5/PG 10 x 080 H | 4805.71040 | 16 | – | – | 80 | – | – | 285 |
| C5/PG 10 x 120 H | 4805.71060 | 16 | – | – | 120 | – | – | 285 |
| C5/PG 15 x 065 | 2805.71520 | 24 | – | – | 65 | – | – | – |
| C5/PG 15 x 080 H | 4805.71540 | 24 | – | – | 80 | – | – | 285 |
| C5/PG 15 x 120 H | 4805.71560 | 24 | – | – | 120 | – | – | 325 |
| C5/PG 25 x 80 | 2805.72540 | 40 | – | – | 80 | – | – | – |
| C5/PG 25 x 100 H | 4805.72550 | 40 | – | – | 100 | – | – | 405 |
| C6 | | | | | | | | |
| C6/PG 10 x 070 | 2806.71030 | 16 | – | – | 70 | – | – | – |
| C6/PG 10 x 080 H | 4806.71040 | 16 | – | – | 80 | – | – | 325 |
| C6/PG 10 x 120 H | 4806.71060 | 16 | – | – | 120 | – | – | 325 |
| C6/PG 10 x 160 H | 4806.71080 | 16 | – | – | 160 | – | – | 325 |
| C6/PG 10 x 225 XL | 8886.71050 | 16 | 46 | 28 | 225 | 140 | 31 | – |
| C6/PG 10 x 240 XL | 8886.71070 | 16 | 46 | 28 | 240 | 140 | 31 | – |
| C6/PG 10 x 260 XL | 8886.71090 | 16 | 46 | 28 | 260 | 140 | 31 | – |
| C6/PG 10 x 300 XL | 8886.71130 | 16 | 46 | 28 | 300 | 140 | 31 | – |
| C6/PG 10 x 325 XL | 8886.71150 | 16 | 46 | 28 | 325 | 240 | 31 | – |
| C6/PG 10 x 340 XL | 8886.71170 | 16 | 46 | 28 | 340 | 240 | 31 | – |
| C6/PG 10 x 360 XL | 8886.71190 | 16 | 46 | 28 | 360 | 240 | 31 | – |
| C6/PG 10 x 400 XL | 8886.71230 | 16 | 46 | 28 | 400 | 240 | 31 | – |

* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery.

Other XL sizes available on request. All REGO-FIX CAPTO holders are also available with an ID chip hole on request.

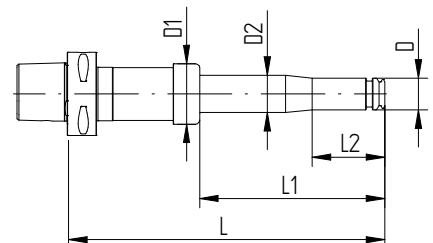
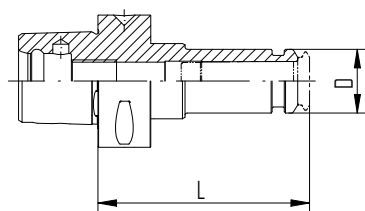
| Type | Part no. | Dimensions [mm] | | | | | | Accessory |
|-------------------|------------|-----------------|----|----|-----|-----|----|-----------|
| | | D | D1 | D2 | L | L1 | L2 | FWR ...* |
| C6/PG 15 x 071 | 2806.71530 | 24 | – | – | 71 | – | – | – |
| C6/PG 15 x 080 H | 4806.71540 | 24 | – | – | 80 | – | – | 325 |
| C6/PG 15 x 120 H | 4806.71560 | 24 | – | – | 120 | – | – | 325 |
| C6/PG 15 x 160 H | 4806.71580 | 24 | – | – | 160 | – | – | 325 |
| C6/PG 15 x 225 XL | 8886.73050 | 24 | 46 | 28 | 225 | 140 | 55 | – |
| C6/PG 15 x 240 XL | 8886.73070 | 24 | 46 | 28 | 240 | 140 | 55 | – |
| C6/PG 15 x 260 XL | 8886.73090 | 24 | 46 | 28 | 260 | 140 | 55 | – |
| C6/PG 15 x 300 XL | 8886.73130 | 24 | 46 | 28 | 300 | 140 | 55 | – |
| C6/PG 15 x 325 XL | 8886.73150 | 24 | 46 | 28 | 325 | 240 | 55 | – |
| C6/PG 15 x 340 XL | 8886.73170 | 24 | 46 | 28 | 340 | 240 | 55 | – |
| C6/PG 15 x 360 XL | 8886.73190 | 24 | 46 | 28 | 360 | 240 | 55 | – |
| C6/PG 15 x 400 XL | 8886.73230 | 24 | 46 | 28 | 400 | 240 | 55 | – |
| C6/PG 25 x 085 | 2806.72540 | 40 | – | – | 85 | – | – | – |
| C6/PG 25 x 100 H | 4806.72550 | 40 | – | – | 100 | – | – | 405 |
| C6/PG 25 x 120 H | 4806.72560 | 40 | – | – | 120 | – | – | 405 |
| C6/PG 25 x 160 H | 4806.72580 | 40 | – | – | 160 | – | – | 405 |
| C6/PG 25 x 230 XL | 8886.76060 | 40 | 55 | – | 230 | 140 | – | – |
| C6/PG 25 x 330 XL | 8886.76160 | 40 | 55 | – | 330 | 240 | – | – |
| C6/PG 32 x 090 | 2806.73240 | 50 | – | – | 90 | – | – | – |
| C6/PG 32 x 230 XL | 8886.78060 | 50 | 55 | – | 230 | 140 | – | – |
| C6/PG 32 x 330 XL | 8886.78160 | 50 | 55 | – | 330 | 240 | – | – |

| C8 | | | | | | | | |
|-------------------|------------|----|----|----|-----|-----|----|---|
| C8/PG 10 x 232 XL | 8888.71060 | 16 | 46 | 28 | 232 | 140 | 31 | – |
| C8/PG 10 x 332 XL | 8888.71160 | 16 | 46 | 28 | 332 | 240 | 31 | – |
| C8/PG 15 x 232 XL | 8888.73060 | 24 | 46 | 28 | 232 | 140 | 55 | – |
| C8/PG 15 x 332 XL | 8888.73160 | 24 | 46 | 28 | 332 | 240 | 55 | – |
| C8/PG 25 x 092 | 2808.72540 | 40 | – | – | 92 | – | – | – |
| C8/PG 25 x 230 XL | 8888.76060 | 40 | 55 | – | 230 | 140 | – | – |
| C8/PG 25 x 330 XL | 8888.76160 | 40 | 55 | – | 330 | 240 | – | – |
| C8/PG 32 x 090 | 2808.73240 | 50 | – | – | 90 | – | – | – |
| C8/PG 32 x 230 XL | 8888.78060 | 50 | 55 | – | 230 | 140 | – | – |
| C8/PG 32 x 330 XL | 8888.78160 | 50 | 55 | – | 330 | 240 | – | – |

* Balancing rings H: Ready to accept balancing rings

Accessories are not included in delivery.

Other XL sizes available on request. All REGO-FIX CAPTO holders are also available with an ID chip hole on request.





Cylindrical shank toolholders CYL

CYL

Features and benefits

Total system runout TIR $\leq 3 \mu\text{m}$

Our holistic system consists of a powRgrip® colletholder and collet. All components together ensure best runout and accuracy.

Colletholder runout TIR $\leq 1 \mu\text{m}$

Measured from collet cavity to outer shank.

Surface finish max. Ra 0.25

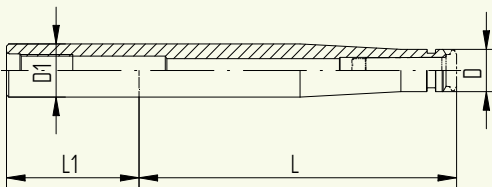
Achieve high clamping force and high transferable torque.

Minimal outside dimensions

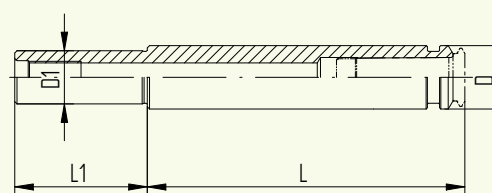
Slim design provides more machining flexibility.

Extra length possible

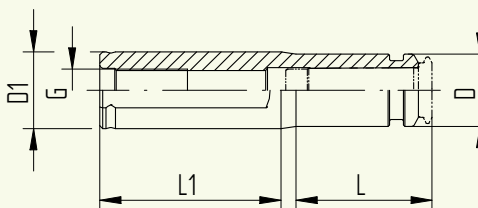
CYL 10/PG and CYL 20/PG can be used as extensions.



Drawing 1



Drawing 2



Drawing 3

CYL colletholders

CYL

CYL-T

CYL-T colletholders (for turning applications)

| Type | Part no. | Dimensions [mm] | | | | | G | Drawing |
|--------------------|------------|-----------------|-----|----|-------|-----|---|---------|
| | | D | L | L1 | D1 h6 | | | |
| CYL 10 | | | | | | | | |
| CYL 10/PG 6 x 120 | 2610.70620 | 10 | 120 | 30 | 10 | M 5 | 1 | |
| CYL 10/PG 10 x 120 | 2610.71020 | 16 | 120 | 40 | 10 | M 5 | 2 | |

| | | | | | | | | |
|--------------------|------------|----|-----|----|----|----------|---|--|
| CYL 20 | | | | | | | | |
| CYL 20/PG 10 x 120 | 2620.71020 | 16 | 120 | – | 20 | M 12 x 1 | 2 | |
| CYL 20/PG 10 x 160 | 2620.71040 | 16 | 160 | – | 20 | M 12 x 1 | 1 | |
| CYL 20/PG 10 x 200 | 2620.71060 | 16 | 200 | – | 20 | M 12 x 1 | 1 | |
| CYL 20/PG 15 x 120 | 2620.71520 | 24 | 120 | 50 | 20 | M 12 x 1 | 2 | |

| Type | Part no. | Dimensions [mm] | | | | | G | Drawing |
|----------------------|------------|-----------------|----|----|-------|----------|---|---------|
| | | D | L | L1 | D1 h6 | | | |
| CYL-T 25 [mm] | | | | | | | | |
| CYL-T 25/PG 15 x 045 | 2625.71522 | 24 | 45 | 60 | 25 | M 14 x 1 | 3 | |

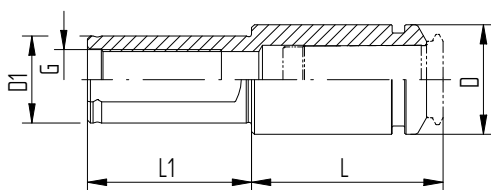
| | | | | | | | | |
|-----------------------|------------|----|----|----|------|----------|---|--|
| CYL-T 1 [inch] | | | | | | | | |
| CYL-T 1"/PG 15 x 045 | 2625.71523 | 24 | 45 | 60 | 25.4 | M 14 x 1 | 3 | |

| | | | | | | | | |
|---------------------------|------------|----|----|----|-------|------------|---|--|
| CYL-T 1 1/4 [inch] | | | | | | | | |
| CYL-T 1 1/4"/PG 15 x 045 | 2631.71523 | 24 | 45 | 60 | 31.75 | M 14 x 1 | 3 | |
| CYL-T 1 1/4"/PG 25 x 070 | 2631.72543 | 40 | 70 | 60 | 31.75 | M 22 x 1.5 | 4 | |

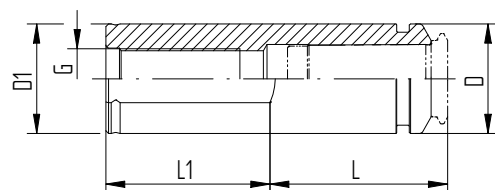
| | | | | | | | | |
|----------------------|------------|----|----|----|----|------------|---|--|
| CYL-T 32 [mm] | | | | | | | | |
| CYL-T 32/PG 15 x 045 | 2632.71522 | 24 | 45 | 60 | 32 | M 14 x 1 | 4 | |
| CYL-T 32/PG 25 x 070 | 2632.72542 | 40 | 70 | 60 | 32 | M 22 x 1.5 | 4 | |

| | | | | | | | | |
|---------------------------|------------|----|----|----|------|------------|---|--|
| CYL-T 1 1/2 [inch] | | | | | | | | |
| CYL-T 1 1/2"/PG 15 x 050 | 2638.71523 | 24 | 50 | 60 | 38.1 | M 14 x 1 | 3 | |
| CYL-T 1 1/2"/PG 25 x 065 | 2638.72543 | 40 | 65 | 60 | 38.1 | M 22 x 1.5 | 4 | |

| | | | | | | | | |
|----------------------|------------|----|----|----|----|------------|---|--|
| CYL-T 40 | | | | | | | | |
| CYL-T 40/PG 15 x 050 | 2640.71522 | 24 | 50 | 60 | 40 | M 14 x 1 | 3 | |
| CYL-T 40/PG 25 x 065 | 2640.72542 | 40 | 65 | 60 | 40 | M 22 x 1.5 | 5 | |



Drawing 4



Drawing 5

ISO 20 colletholder



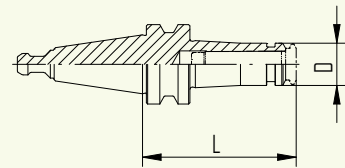
Applications The REGO-FIX ISO 20 colletholders are designed to work with the HAAS Office Mill. To utilize the full potential of your machine, use the REGO-FIX brand of holders and collets to see the difference quality can achieve in your machining operations.

Balancing

// 100 % balanced to G 2.5 @ 40,000 rpm.

Matched tooling system for best fit

For highest precision and best results the whole system counts. Therefore REGO-FIX components are carefully matched for optimum fit and accuracy. This guarantees the best runout and balance.



ISO/PG

ISO 20 colletholders

ISO 20

HAAS

| Type | Part no. | Dimensions [mm] | |
|-------------------------|------------|-----------------|----|
| | | D | L |
| ISO | | | |
| ISO 20/PG 10 x 058 HAAS | 2420.71015 | 16 | 58 |



Form-fit for 100% pullout protection

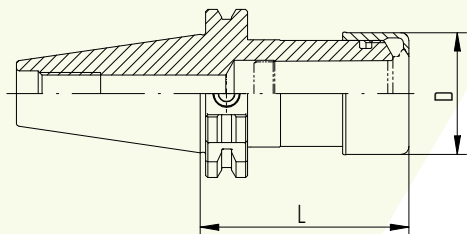
Form and force-fitting clamping system Tools and collets are 100% secured against tool pull-out, making secuRgrip® your safety net for successful machining. In high performance cutting (HPC), the tool can pull out of the clamping system during the milling operation and damage the workpiece. We developed the secuRgrip® locking system for operators who want to avoid any pull-out.

Process security Optimize your machining productivity by securing your processes.

Our secuRgrip® solution fits all standard tools with endmill flat according to DIN 6535-HB (metric). This means, that no special tool shank form is required.

secuRgrip® system elements

- // secuRgrip® threaded insert
For all shanks with Weldon surface
- // secuRgrip® toolholder with thread
- // secuRgrip® PG 15-SG, PG 25-SG or PG 32-SG collet
For all secuRgrip® collet part numbers, please refer to page 67.
- // secuRgrip® safety nut

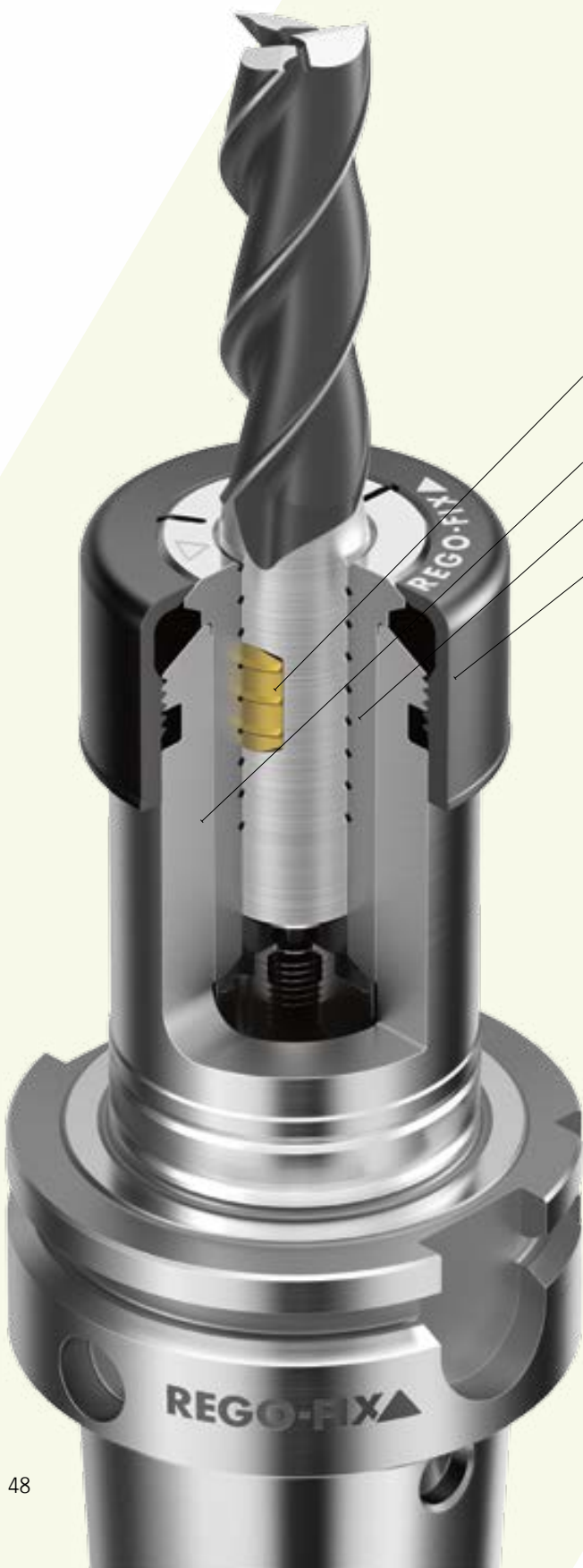


PG-SG

Expert advice

Freewheel wrench head, grip bar or torque wrench are required to safely fasten the nut.

For all secuRgrip® accessories part numbers, please refer to page 76.



| Type | Part no. | Dimensions [mm] | | Accessory |
|---------------------------------|------------|-----------------|-----|-----------|
| | | D | L | FWR ...* |
| SK / PG-SG | | | | |
| SK 40/PG 25-SG x 080 H | 5240.72540 | 46 | 80 | 405 |
| SK 40/PG 25-SG x 120 H | 5240.72560 | 46 | 120 | 405 |
| SK 40/PG 25-SG x 160 H | 5240.72580 | 46 | 160 | 405 / 405 |
| SK 40/PG 32-SG x 080 | 5240.73240 | 55 | 80 | – |
| SK 50/PG 32-SG x 080 | 5250.73240 | 55 | 80 | – |
| BT/PG-SG | | | | |
| BT 40/PG 25-SG x 080 H | 5140.72540 | 46 | 80 | 405 |
| BT 40/PG 25-SG x 120 H | 5140.72560 | 46 | 120 | 405 |
| BT 40/PG 32-SG x 086 | 5140.73240 | 55 | 86 | – |
| BT 50/PG 25-SG x 100 | 5150.72550 | 46 | 100 | – |
| BT 50/PG 25-SG x 120 H | 5150.72560 | 46 | 120 | 505 |
| BT 50/PG 32-SG x 100 | 5150.73250 | 55 | 100 | – |
| BT+/PG-SG | | | | |
| BT+ 40/PG 25-SG x 080 H | 5140.72546 | 46 | 80 | 505 |
| BT+ 50/PG 25-SG x 120 H | 5150.72566 | 46 | 120 | 505 |
| HSK/PG-SG | | | | |
| HSK-A 63 / PG 25 HD-SG x 100 H | 5563.82550 | 46 | 100 | 405 |
| HSK-A 63/PG 25-SG x 100 H | 5563.72550 | 46 | 100 | 405 |
| HSK-A 63/PG 25-SG x 120 H | 5563.72560 | 46 | 120 | 405 |
| HSK-A 63/PG 25-SG x 160 H | 5563.72580 | 46 | 160 | 405 / 405 |
| HSK-A 63/PG 25-SG x 200 H | 5563.72590 | 46 | 200 | 405 / 405 |
| HSK-A 63/PG 32-SG x 100 | 5563.73250 | 55 | 100 | – |
| HSK-A 63/PG 32-SG x 120 H | 5563.73260 | 55 | 120 | 505 |
| HSK-A 80/PG 32-SG x 105 H | 5580.73250 | 55 | 105 | 505 |
| HSK-A 100 / PG 25 HD-SG x 100 H | 5500.82550 | 46 | 100 | 405 |
| HSK-A 100/PG 25-SG x 100 H | 5500.72550 | 46 | 100 | 505 |
| HSK-A 100/PG 25-SG x 160 H | 5500.72580 | 46 | 160 | 505 / 405 |
| HSK-A 100/PG 25-SG x 200 H | 5500.72590 | 46 | 200 | 505 / 405 |
| HSK-A 100/PG 32-SG x 106 H | 5500.73250 | 55 | 106 | 505 |
| HSK-A 100/PG 32-SG x 160 H | 5500.73280 | 55 | 160 | 505 |
| HSK-A 100 / PG 32 HD-SG x 106 H | 5500.83250 | 55 | 106 | 505 |
| HSK-A 100/PG 32-SG x 200 H | 5500.73290 | 55 | 200 | 505 / 505 |
| HSK-A 125 / PG 25 HD-SG x 105 H | 5502.82550 | 46 | 105 | 405 |
| HSK-A 125 / PG 32 HD-SG x 112 H | 5502.83250 | 55 | 112 | 505 |
| HSK-A 125/PG 32-SG x 110 H | 5502.73250 | 55 | 110 | 505 |
| C/PG-SG | | | | |
| C6/PG 25-SG x 100 | 5806.72550 | 46 | 100 | – |
| C6/PG 32-SG x 090 | 5806.73240 | 55 | 90 | – |
| C8/PG 25-SG x 092 | 5808.72540 | 46 | 92 | – |
| C8/PG 32-SG x 090 | 5808.73240 | 55 | 90 | – |

* Balancing rings H: Ready to accept balancing rings

Included in delivery: secuRgrip® colletholder with secuRgrip® safety nut.

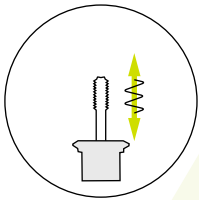
* HD: Heavy duty, extra strong colletholders

Additional lengths and interfaces available on request.

PG thread-cutting solutions

CYL SSY / HSK-A SSY Softsynchro® tapping holder

- // With minimum length compensation
- // Eliminates small synchronization errors of machines

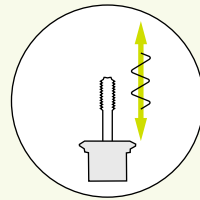


Applications

- // Machines for direct thread cutting
- // For all tapping tools with h9 shanks
- // The turning movement of the spindles can be offset with the feed axis and thus synchronized
- // Synchronization errors are created by the dynamics of the spindle and linear drives. The tapping holder is equipped with the minimum length compensation and compensates the synchronization errors
- // Guides coolant with up to 50 bar of pressure to the tap, without compromising length compensation
- // Depending on the application, the service life for the customer can be increased by up to 150 %

CYL GSF tapping holder

- // With length compensation
- // For machines without a tapping option

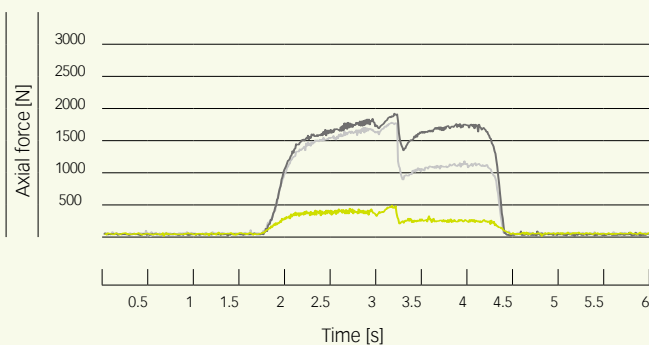


Applications

- // Used on machines in which the feed movement is not synchronized with the thread pitch during processing
- // Ensures the compensation of differences between the thread pitch and spindle feed
- // Features a pressure-point mechanism
- // Safe tap cutting
- // Uniform, reproducible thread depths
- // Guides coolant with up to 50 bar of pressure to the tap, without compromising length compensation
- // Universal use thanks to its compact design and low gauge length

Comparative axial force testing

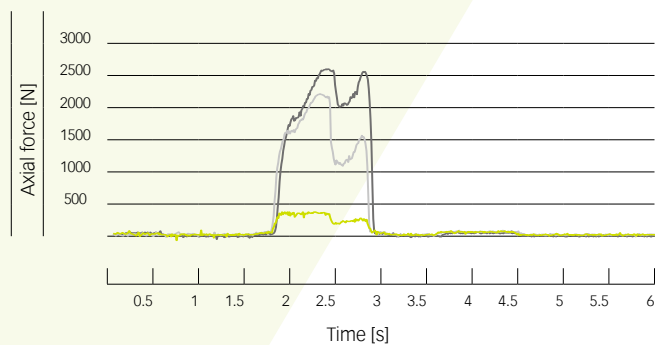
Occurring axial forces with thread forms M10 in St37. Speed 500 rpm.
Source: In-house testing



Summary The axial forces increase with increasing speed. With a rigid collet holder, the forces occurring when forming threads are considerably higher than with the Softsynchro® tapping holder. This allows for the optimum use of the synchronous spindle with the best possible service life and thread surface quality.

Comparative axial force testing

Occurring axial forces with thread forms M10 in St37. Speed 2,000 rpm.
Source: In-house testing



- REGO-FIX Softsynchro® tapping holders
- Competitor synchronous collet holder
- Rigid synchronous collet holder

PG tapping holders

HSK-A SSY

69893-A

ISO 12164

CYL SSY

DIN 1835 B+E

CYL GSF

DIN 1835 B+E

| Type | Part no. | Dimensions [mm] | | Compression | Tension |
|----------------------|------------|-----------------|-------|-------------|---------|
| | | D | L | [mm] | [mm] |
| HSK-A SSY | | | | | |
| HSK-A 63 SSY / PG 15 | 2563.61507 | 24 | 114.5 | 0.5 | 0.5 |
| HSK-A 63 SSY / PG 25 | 2563.62507 | 40 | 131 | 0.5 | 0.5 |

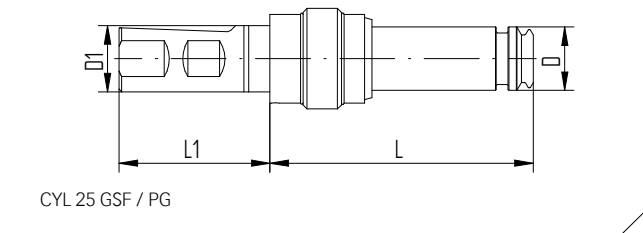
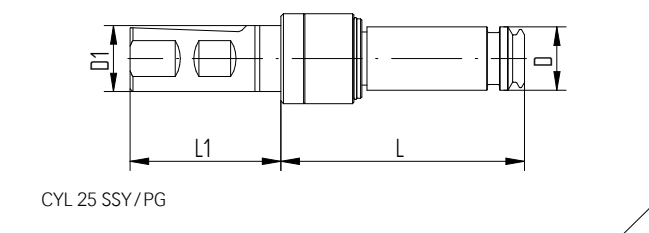
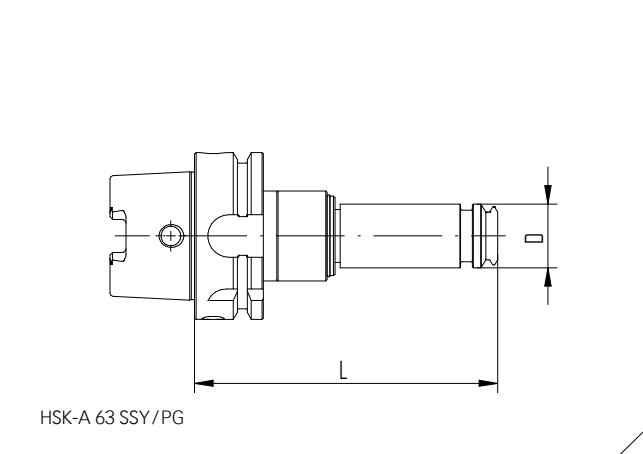
For tapping collets, please refer to page 68.









| Type | Part no. | Dimensions [mm] | | | | Compression | Tension |
|--------------------|------------|-----------------|----|-------|----|-------------|---------|
| | | D | D1 | L | L1 | [mm] | [mm] |
| CYL SSY | | | | | | | |
| CYL 25 SSY / PG 15 | 2625.61507 | 24 | 25 | 92 | 57 | 0.5 | 0.5 |
| CYL 25 SSY / PG 25 | 2625.62507 | 40 | 25 | 109.5 | 57 | 0.5 | 0.5 |

For tapping collets, please refer to page 68.

| Type | Part no. | Dimensions [mm] | | | | Compression | Tension |
|--------------------|------------|-----------------|----|------|----|-------------|---------|
| | | D | D1 | L | L1 | [mm] | [mm] |
| CYL GSF | | | | | | | |
| CYL 25 GSF / PG 15 | 2625.61508 | 24 | 25 | 99.5 | 57 | 5 | 7.5 |
| CYL 25 GSF / PG 25 | 2625.62508 | 40 | 25 | 134 | 57 | 7 | 10 |

For tapping collets, please refer to page 68.



| Micro machining | Standard | Cooling | Long shanks | Short shanks | Turning collets | Pullout protection secuRgrip® | Collets for tapping |
|---|---|---|---|---|---|---|---|
| PG-MB | PG | PG-CF | PG-L | PG-S | PG-T | PG-SG | PG-TAP |
|  |  |  |  |  |  |  |  |
| page 56 | page 57 | page 60 | page 63 | page 64 | page 66 | page 67 | page 68 |



The most powerful collets yet

Our holistic system approach ensures powerful clamping with a total system runout – holder and collet combined – of less than three microns.

Experience the quality of the triangle The outstanding design paired with our experienced engineering make the PG products our most powerful tool-clamping options. What you see is what you get: all our PG products bear the REGO-FIX triangle – our seal for outstanding quality and true Swissness.

Key advantages

Rely on the powerful

Total system runout TIR $\leq 3 \mu\text{m}$

Our holistic system consists of a powRgrip® colletter and collet. All components together ensure best runout and accuracy.

Accurate length adjustment repeatability $< 10 \mu\text{m}$

Thanks to the integrated adjustment screw.

Clamping of all h6 tool shanks

Cylindrical, WELDON, Whistle-Notch.

Clamping of all shank materials

Solid carbide and HSS tool shanks.

Clamping diameters

0.2 to 25.4 mm.



For 5 years or 20,000 tool changes, REGO-FIX guarantees a runout TIR of $\leq 3 \mu\text{m}$ and persistence of the impregnated surface treatment of the PG collets.*

** Terms and conditions apply.*



Swiss quality standard

Our products marked Swiss made are manufactured at our headquarters in Tenniken, Switzerland.

Swiss quality collets for your production

Our wide product range offers the perfect collet for every application.



| | MB | std. | CF | L | S | T | SG | TAP | MQL* |
|---|---|-------------------------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|---|-------------------------------------|------------------------------|
| | microbore | standard | coolant flush | long | short | turning applications | secuRgrip® | tapping collet | minimum quantity lubrication |
| Main machining use | micro-machining | general machining | peripheral cooling | longer than DIN 6535 | shorter than DIN 6535 | turning | heavy machining | rigid tapping | milling |
| PG size | 6–10 | 6–32 | 6–32 | 15–32 | 6–32 | 15–25 | 15–32 | 15–25 | 15–32 |
| Shaft diameter range | 0.2–1.579 | 2–25.4 | 2–25.4 | 4–25.4 | 3–25.4 | 5–20 | 10–25.4 | 3.5–16 | 5–25.4 |
| Clamping range [mm] or tolerance | h6 | h6 | h6 | h6 | h6 | h9 | h6 | h9 | h6 |
| Runout TIR | Collet runout ≤2 µm / total system runout ≤3 µm | | | | | | | | |
| For tools with internal coolant supply | – | • | – | • | • | • | • | • | • |
| Metallic sealed | – | • | – | • | • | • | • | – | • |
| Internal square | – | – | – | – | – | – | – | • | – |
| secuRgrip® thread to prevent tool pullout | – | – | – | – | – | – | • | – | – |
| Technical illustration of cooling | – | | | | | | | | |
| Additional features | – | Length can be pre-adjusted with VEW | Length can be pre-adjusted with VEW | Without stop screw | Length can be pre-adjusted with VEW | – | For all tools with endmill flat as per DIN 535-HB | Length can be pre-adjusted with VEW | – |
| More information on | page 56 | page 57 | page 60 | page 63 | page 64 | page 66 | page 67 | page 68 | – |

*MQL-compatible collets available on request.

All our products are manufactured to meet our high demands in engineering and design. We say Swiss made and we mean it. Products marked Swiss made are manufactured at our headquarters in Tenniken, Switzerland.

Outstanding Swiss quality



| Type | Part no. | [mm] | [decimal inch] | Ø [inch] |
|------------------------|------------|--------|----------------|-------------|
| PG 6-MB [mm] | | | | |
| Ø 0.2 mm | 1706.00209 | 0.2 | 0.0079 | – |
| Ø 0.3 mm | 1706.00309 | 0.3 | 0.0118 | – |
| Ø 0.4 mm | 1706.00409 | 0.4 | 0.0157 | – |
| Ø 0.5 mm | 1706.00509 | 0.5 | 0.0197 | – |
| Ø 0.6 mm | 1706.00609 | 0.6 | 0.0236 | – |
| Ø 0.7 mm | 1706.00709 | 0.7 | 0.0276 | – |
| Ø 0.8 mm | 1706.00809 | 0.8 | 0.0315 | – |
| Ø 0.9 mm | 1706.00909 | 0.9 | 0.0354 | – |
| Ø 1.0 mm | 1706.01009 | 1.0 | 0.0394 | – |
| Ø 1.5 mm | 1706.01509 | 1.5 | 0.0591 | – |
| PG 6-MB [inch] | | | | |
| Ø 1/16" | 1706.01599 | 1.5875 | 0.0625 | 1/16" |
| PG 10-MB [mm] | | | | |
| Ø 0.2 mm | 1710.00209 | 0.2 | 0.0079 | – |
| Ø 0.3 mm | 1710.00309 | 0.3 | 0.0118 | – |
| Ø 0.4 mm | 1710.00409 | 0.4 | 0.0157 | – |
| Ø 0.5 mm | 1710.00509 | 0.5 | 0.0197 | – |
| Ø 0.6 mm | 1710.00609 | 0.6 | 0.0236 | – |
| Ø 0.7 mm | 1710.00709 | 0.7 | 0.0276 | – |
| Ø 0.8 mm | 1710.00809 | 0.8 | 0.0315 | – |
| Ø 0.9 mm | 1710.00909 | 0.9 | 0.0354 | – |
| Ø 1.0 mm | 1710.01009 | 1.0 | 0.0394 | – |
| Ø 1.5 mm | 1710.01509 | 1.5 | 0.0591 | – |
| PG 10-MB [inch] | | | | |
| Ø 1/16" | 1710.01589 | 1.5875 | 0.0625 | 1/16" |



| Type | Part no. | Ø | | |
|---------------------|------------|-------|----------------|--------|
| | | [mm] | [decimal inch] | [inch] |
| PG 6 [mm] | | | | |
| Ø 2.0 mm | 1706.02000 | 2.0 | 0.0787 | – |
| Ø 2.5 mm | 1706.02500 | 2.5 | 0.0984 | – |
| Ø 3.0 mm | 1706.03000 | 3.0 | 0.1181 | – |
| PG 6 [inch] | | | | |
| Ø 1/8" | 1706.03181 | 3.175 | 0.125 | 1/8" |
| PG 10 [mm] | | | | |
| Ø 2.0 mm | 1710.02000 | 2.0 | 0.0787 | – |
| Ø 2.5 mm | 1710.02500 | 2.5 | 0.0984 | – |
| Ø 3.0 mm | 1710.03000 | 3.0 | 0.1181 | – |
| Ø 3.5 mm | 1710.03500 | 3.5 | 0.1378 | – |
| Ø 4.0 mm | 1710.04000 | 4.0 | 0.1575 | – |
| Ø 4.5 mm | 1710.04500 | 4.5 | 0.1772 | – |
| Ø 5.0 mm | 1710.05000 | 5.0 | 0.1969 | – |
| Ø 5.5 mm | 1710.05500 | 5.5 | 0.2165 | – |
| Ø 6.0 mm | 1710.06000 | 6.0 | 0.2362 | – |
| PG 10 [inch] | | | | |
| Ø 1/8" | 1710.03181 | 3.175 | 0.125 | 1/8" |
| Ø 3/16" | 1710.04761 | 4.763 | 0.1875 | 3/16" |
| Ø 1/4" | 1710.06351 | 6.35 | 0.25 | 1/4" |
| PG 15 [mm] | | | | |
| Ø 3.0 mm | 1715.03000 | 3.0 | 0.1181 | – |
| Ø 3.5 mm | 1715.03500 | 3.5 | 0.1378 | – |
| Ø 4.0 mm | 1715.04000 | 4.0 | 0.1575 | – |
| Ø 4.5 mm | 1715.04500 | 4.5 | 0.1772 | – |
| Ø 5.0 mm | 1715.05000 | 5.0 | 0.1969 | – |
| Ø 5.5 mm | 1715.05500 | 5.5 | 0.2165 | – |
| Ø 6.0 mm | 1715.06000 | 6.0 | 0.2362 | – |
| Ø 7.0 mm | 1715.07000 | 7.0 | 0.2756 | – |
| Ø 8.0 mm | 1715.08000 | 8.0 | 0.315 | – |
| Ø 9.0 mm | 1715.09000 | 9.0 | 0.3543 | – |
| Ø 10.0 mm | 1715.10000 | 10.0 | 0.3937 | – |

| Type | Part no. | [mm] | [decimal inch] | Ø [inch] |
|---------------------|------------|-------|----------------|-------------|
| PG 15 [inch] | | | | |
| Ø 1/8" | 1715.03181 | 3.175 | 0.125 | 1/8" |
| Ø 3/16" | 1715.04761 | 4.763 | 0.1875 | 3/16" |
| Ø 1/4" | 1715.06351 | 6.35 | 0.25 | 1/4" |
| Ø 5/16" | 1715.07941 | 7.938 | 0.3125 | 5/16" |
| Ø 3/8" | 1715.09521 | 9.525 | 0.375 | 3/8" |

| | | | | |
|-------------------|------------|------|--------|---|
| PG 25 [mm] | | | | |
| Ø 3.0 mm | 1725.03000 | 3.0 | 0.1181 | – |
| Ø 3.5 mm | 1725.03500 | 3.5 | 0.1378 | – |
| Ø 4.0 mm | 1725.04000 | 4.0 | 0.1575 | – |
| Ø 4.5 mm | 1725.04500 | 4.5 | 0.1772 | – |
| Ø 5.0 mm | 1725.05000 | 5.0 | 0.1969 | – |
| Ø 5.5 mm | 1725.05500 | 5.5 | 0.2165 | – |
| Ø 6.0 mm | 1725.06000 | 6.0 | 0.2362 | – |
| Ø 7.0 mm | 1725.07000 | 7.0 | 0.2756 | – |
| Ø 8.0 mm | 1725.08000 | 8.0 | 0.315 | – |
| Ø 9.0 mm | 1725.09000 | 9.0 | 0.3543 | – |
| Ø 10.0 mm | 1725.10000 | 10.0 | 0.3937 | – |
| Ø 11.0 mm | 1725.11000 | 11.0 | 0.4331 | – |
| Ø 12.0 mm | 1725.12000 | 12.0 | 0.4724 | – |
| Ø 13.0 mm | 1725.13000 | 13.0 | 0.5118 | – |
| Ø 14.0 mm | 1725.14000 | 14.0 | 0.5512 | – |
| Ø 15.0 mm | 1725.15000 | 15.0 | 0.5906 | – |
| Ø 16.0 mm | 1725.16000 | 16.0 | 0.63 | – |
| Ø 18.0 mm | 1725.18000 | 18.0 | 0.7087 | – |
| Ø 20.0 mm | 1725.20000 | 20.0 | 0.7874 | – |

| | | | | |
|---------------------|------------|--------|--------|-------|
| PG 25 [inch] | | | | |
| Ø 1/8" | 1725.03181 | 3.175 | 0.125 | 1/8" |
| Ø 3/16" | 1725.04761 | 4.763 | 0.1875 | 3/16" |
| Ø 1/4" | 1725.06351 | 6.35 | 0.25 | 1/4" |
| Ø 5/16" | 1725.07941 | 7.938 | 0.3125 | 5/16" |
| Ø 3/8" | 1725.09521 | 9.525 | 0.375 | 3/8" |
| Ø 7/16" | 1725.11111 | 11.113 | 0.4375 | 7/16" |
| Ø 1/2" | 1725.12701 | 12.7 | 0.5 | 1/2" |
| Ø 9/16" | 1725.14291 | 14.288 | 0.5625 | 9/16" |
| Ø 5/8" | 1725.15881 | 15.875 | 0.625 | 5/8" |
| Ø 3/4" | 1725.19051 | 19.05 | 0.75 | 3/4" |

| Type | Part no. | Ø | | |
|-------------------|------------|------|----------------|--------|
| | | [mm] | [decimal inch] | [inch] |
| PG 32 [mm] | | | | |
| Ø 6.0 mm | 1732.06000 | 6.0 | 0.2362 | – |
| Ø 7.0 mm | 1732.07000 | 7.0 | 0.2756 | – |
| Ø 8.0 mm | 1732.08000 | 8.0 | 0.315 | – |
| Ø 9.0 mm | 1732.09000 | 9.0 | 0.3543 | – |
| Ø 10.0 mm | 1732.10000 | 10.0 | 0.3937 | – |
| Ø 11.0 mm | 1732.11000 | 11.0 | 0.4331 | – |
| Ø 12.0 mm | 1732.12000 | 12.0 | 0.4724 | – |
| Ø 14.0 mm | 1732.14000 | 14.0 | 0.5512 | – |
| Ø 16.0 mm | 1732.16000 | 16.0 | 0.63 | – |
| Ø 18.0 mm | 1732.18000 | 18.0 | 0.7087 | – |
| Ø 20.0 mm | 1732.20000 | 20.0 | 0.7874 | – |
| Ø 22.0 mm | 1732.22000 | 22.0 | 0.8661 | – |
| Ø 25.0 mm | 1732.25000 | 25.0 | 0.9843 | – |

| | | | | |
|---------------------|------------|--------|--------|-------|
| PG 32 [inch] | | | | |
| Ø 1/4" | 1732.06351 | 6.35 | 0.25 | 1/4" |
| Ø 5/16" | 1732.07941 | 7.938 | 0.3125 | 5/16" |
| Ø 3/8" | 1732.09521 | 9.525 | 0.375 | 3/8" |
| Ø 7/16" | 1732.11111 | 11.113 | 0.4375 | 7/16" |
| Ø 1/2" | 1732.12701 | 12.7 | 0.5 | 1/2" |
| Ø 9/16" | 1732.14291 | 14.288 | 0.5625 | 9/16" |
| Ø 5/8" | 1732.15881 | 15.875 | 0.625 | 5/8" |
| Ø 3/4" | 1732.19051 | 19.05 | 0.75 | 3/4" |
| Ø 7/8" | 1732.22231 | 22.225 | 0.875 | 7/8" |
| Ø 1" | 1732.25401 | 25.4 | 1.0 | 1" |



| Type | Part no. | Ø | | |
|------------------------|------------|-------|----------------|--------|
| | | [mm] | [decimal inch] | [inch] |
| PG 6-CF [mm] | | | | |
| Ø 2.0 mm | 1706.02002 | 2.0 | 0.0787 | – |
| Ø 3.0 mm | 1706.03002 | 3.0 | 0.1181 | – |
| PG 10-CF [mm] | | | | |
| Ø 2.0 mm | 1710.02002 | 2.0 | 0.0787 | – |
| Ø 3.0 mm | 1710.03002 | 3.0 | 0.1181 | – |
| Ø 4.0 mm | 1710.04002 | 4.0 | 0.1575 | – |
| Ø 5.0 mm | 1710.05002 | 5.0 | 0.1969 | – |
| Ø 6.0 mm | 1710.06002 | 6.0 | 0.2362 | – |
| PG 10-CF [inch] | | | | |
| Ø 1/8" | 1710.03183 | 3.175 | 0.125 | 1/8" |
| Ø 3/16" | 1710.04763 | 4.763 | 0.1875 | 3/16" |
| Ø 1/4" | 1710.06353 | 6.35 | 0.25 | 1/4" |
| PG 15-CF [mm] | | | | |
| Ø 3.0 mm | 1715.03002 | 3.0 | 0.1181 | – |
| Ø 4.0 mm | 1715.04002 | 4.0 | 0.1575 | – |
| Ø 5.0 mm | 1715.05002 | 5.0 | 0.1969 | – |
| Ø 6.0 mm | 1715.06002 | 6.0 | 0.2362 | – |
| Ø 7.0 mm | 1715.07002 | 7.0 | 0.2756 | – |
| Ø 8.0 mm | 1715.08002 | 8.0 | 0.315 | – |
| Ø 9.0 mm | 1715.09002 | 9.0 | 0.3543 | – |
| Ø 10.0 mm | 1715.10002 | 10.0 | 0.3937 | – |
| PG 15-CF [inch] | | | | |
| Ø 1/8" | 1715.03183 | 3.175 | 0.125 | 1/8" |
| Ø 3/16" | 1715.04763 | 4.763 | 0.1875 | 3/16" |
| Ø 1/4" | 1715.06353 | 6.35 | 0.25 | 1/4" |
| Ø 5/16" | 1715.07943 | 7.938 | 0.3125 | 5/16" |
| Ø 3/8" | 1715.09523 | 9.525 | 0.375 | 3/8" |

| Type | Part no. | Ø | | |
|----------------------|------------|------|----------------|--------|
| | | [mm] | [decimal inch] | [inch] |
| PG 25-CF [mm] | | | | |
| Ø 3.0 mm | 1725.03002 | 3.0 | 0.1181 | – |
| Ø 4.0 mm | 1725.04002 | 4.0 | 0.1575 | – |
| Ø 5.0 mm | 1725.05002 | 5.0 | 0.1969 | – |
| Ø 6.0 mm | 1725.06002 | 6.0 | 0.2362 | – |
| Ø 7.0 mm | 1725.07002 | 7.0 | 0.2756 | – |
| Ø 8.0 mm | 1725.08002 | 8.0 | 0.315 | – |
| Ø 9.0 mm | 1725.09002 | 9.0 | 0.3543 | – |
| Ø 10.0 mm | 1725.10002 | 10.0 | 0.3937 | – |
| Ø 11.0 mm | 1725.11002 | 11.0 | 0.4331 | – |
| Ø 12.0 mm | 1725.12002 | 12.0 | 0.4724 | – |
| Ø 13.0 mm | 1725.13002 | 13.0 | 0.5118 | – |
| Ø 14.0 mm | 1725.14002 | 14.0 | 0.5512 | – |
| Ø 15.0 mm | 1725.15002 | 15.0 | 0.5906 | – |
| Ø 16.0 mm | 1725.16002 | 16.0 | 0.63 | – |
| Ø 18.0 mm | 1725.18002 | 18.0 | 0.7087 | – |
| Ø 20.0 mm | 1725.20002 | 20.0 | 0.7874 | – |

| | | | | |
|------------------------|------------|--------|--------|-------|
| PG 25-CF [inch] | | | | |
| Ø 1/8" | 1725.03183 | 3.175 | 0.125 | 1/8" |
| Ø 3/16" | 1725.04763 | 4.763 | 0.1875 | 3/16" |
| Ø 1/4" | 1725.06353 | 6.35 | 0.25 | 1/4" |
| Ø 5/16" | 1725.07943 | 7.938 | 0.3125 | 5/16" |
| Ø 3/8" | 1725.09523 | 9.525 | 0.375 | 3/8" |
| Ø 7/16" | 1725.11113 | 11.113 | 0.4375 | 7/16" |
| Ø 1/2" | 1725.12703 | 12.7 | 0.5 | 1/2" |
| Ø 9/16" | 1725.14293 | 14.288 | 0.5625 | 9/16" |
| Ø 5/8" | 1725.15883 | 15.875 | 0.625 | 5/8" |
| Ø 3/4" | 1725.19053 | 19.05 | 0.75 | 3/4" |



| PG 32-CF [mm] | | | | |
|---------------|------------|------|--------|---|
| Ø 6.0 mm | 1732.06002 | 6.0 | 0.2362 | - |
| Ø 7.0 mm | 1732.07002 | 7.0 | 0.2756 | - |
| Ø 8.0 mm | 1732.08002 | 8.0 | 0.315 | - |
| Ø 9.0 mm | 1732.09002 | 9.0 | 0.3543 | - |
| Ø 10.0 mm | 1732.10002 | 10.0 | 0.3937 | - |
| Ø 11.0 mm | 1732.11002 | 11.0 | 0.4331 | - |
| Ø 12.0 mm | 1732.12002 | 12.0 | 0.4724 | - |
| Ø 14.0 mm | 1732.14002 | 14.0 | 0.5512 | - |
| Ø 16.0 mm | 1732.16002 | 16.0 | 0.63 | - |
| Ø 18.0 mm | 1732.18002 | 18.0 | 0.7087 | - |
| Ø 20.0 mm | 1732.20002 | 20.0 | 0.7874 | - |
| Ø 22.0 mm | 1732.22002 | 22.0 | 0.8661 | - |
| Ø 25.0 mm | 1732.25002 | 25.0 | 0.9843 | - |

| PG 32-CF [inch] | | | | |
|-----------------|------------|--------|--------|-------|
| Ø 1/4" | 1732.06353 | 6.35 | 0.25 | 1/4" |
| Ø 5/16" | 1732.07943 | 7.938 | 0.3125 | 5/16" |
| Ø 3/8" | 1732.09523 | 9.525 | 0.375 | 3/8" |
| Ø 7/16" | 1732.11113 | 11.113 | 0.4375 | 7/16" |
| Ø 1/2" | 1732.12703 | 12.7 | 0.5 | 1/2" |
| Ø 9/16" | 1732.14293 | 14.288 | 0.5625 | 9/16" |
| Ø 5/8" | 1732.15883 | 15.875 | 0.625 | 5/8" |
| Ø 3/4" | 1732.19053 | 19.05 | 0.75 | 3/4" |
| Ø 7/8" | 1732.22233 | 22.225 | 0.875 | 7/8" |
| Ø 1" | 1732.25403 | 25.4 | 1.0 | 1" |



| Type | Part no. | Ø | | |
|---------------------|------------|------|----------------|--------|
| | | [mm] | [decimal inch] | [inch] |
| PG 15-L [mm] | | | | |
| Ø 4.0 mm | 1715.04001 | 4.0 | 0.1575 | – |
| Ø 5.0 mm | 1715.05001 | 5.0 | 0.1969 | – |
| Ø 6.0 mm | 1715.06001 | 6.0 | 0.2362 | – |
| Ø 8.0 mm | 1715.08001 | 8.0 | 0.315 | – |
| Ø 10.0 mm | 1715.10001 | 10.0 | 0.3937 | – |

| | | | | |
|-----------------------|------------|------|--------|-------|
| PG 15-L [inch] | | | | |
| Ø 1/4" | 1715.06350 | 6.35 | 0.25 | 1/4" |
| Ø 5/16" | 1715.07940 | 7.94 | 0.3126 | 5/16" |
| Ø 3/8" | 1715.09520 | 9.52 | 0.3748 | 3/8" |

| | | | | |
|---------------------|------------|------|--------|---|
| PG 25-L [mm] | | | | |
| Ø 6.0 mm | 1725.06001 | 6.0 | 0.2362 | – |
| Ø 8.0 mm | 1725.08001 | 8.0 | 0.315 | – |
| Ø 10.0 mm | 1725.10001 | 10.0 | 0.3937 | – |
| Ø 12.0 mm | 1725.12001 | 12.0 | 0.4724 | – |
| Ø 14.0 mm | 1725.14001 | 14.0 | 0.5512 | – |
| Ø 16.0 mm | 1725.16001 | 16.0 | 0.6299 | – |
| Ø 20.0 mm | 1725.20001 | 20.0 | 0.7874 | – |

| | | | | |
|-----------------------|------------|-------|--------|-------|
| PG 25-L [inch] | | | | |
| Ø 1/4" | 1725.06350 | 6.35 | 0.25 | 1/4" |
| Ø 5/16" | 1725.07940 | 7.94 | 0.3126 | 5/16" |
| Ø 3/8" | 1725.09520 | 9.52 | 0.3748 | 3/8" |
| Ø 1/2" | 1725.12700 | 12.7 | 0.5 | 1/2" |
| Ø 5/8" | 1725.15880 | 15.88 | 0.6252 | 5/8" |
| Ø 3/4" | 1725.19050 | 19.05 | 0.75 | 3/4" |

| | | | | |
|---------------------|------------|------|--------|---|
| PG 32-L [mm] | | | | |
| Ø 12.0 mm | 1732.12001 | 12.0 | 0.4724 | – |
| Ø 16.0 mm | 1732.16001 | 16.0 | 0.6299 | – |
| Ø 20.0 mm | 1732.20001 | 20.0 | 0.7874 | – |
| Ø 25.0 mm | 1732.25001 | 25.0 | 0.9843 | – |

| | | | | |
|-----------------------|------------|-------|------|------|
| PG 32-L [inch] | | | | |
| Ø 1/2" | 1732.12700 | 12.7 | 0.5 | 1/2" |
| Ø 3/4" | 1732.19050 | 19.05 | 0.75 | 3/4" |
| Ø 1" | 1732.25400 | 25.4 | 1.0 | 1" |



| Type | Part no. | Ø | | |
|-----------------------|------------|-------|----------------|--------|
| | | [mm] | [decimal inch] | [inch] |
| PG 6-S [mm] | | | | |
| Ø 3.0 mm | 1706.03008 | 3.0 | 0.1181 | – |
| PG 6-S [inch] | | | | |
| Ø 1/8" | 1706.03188 | 3.175 | 0.125 | 1/8" |
| PG 10-S [mm] | | | | |
| Ø 3.0 mm | 1710.03008 | 3.0 | 0.1181 | – |
| Ø 4.0 mm | 1710.04008 | 4.0 | 0.1575 | – |
| Ø 6.0 mm | 1710.06008 | 6.0 | 0.2362 | – |
| PG 10-S [inch] | | | | |
| Ø 1/8" | 1710.03188 | 3.175 | 0.125 | 1/8" |
| Ø 3/16" | 1710.04768 | 4.763 | 0.1875 | 3/16" |
| Ø 1/4" | 1710.06358 | 6.35 | 0.25 | 1/4" |
| PG 15-S [mm] | | | | |
| Ø 4.0 mm | 1715.04008 | 4.0 | 0.1575 | – |
| Ø 5.0 mm | 1715.05008 | 5.0 | 0.1969 | – |
| Ø 6.0 mm | 1715.06008 | 6.0 | 0.2362 | – |
| Ø 8.0 mm | 1715.08008 | 8.0 | 0.315 | – |
| Ø 10.0 mm | 1715.10008 | 10.0 | 0.3937 | – |
| PG 15-S [inch] | | | | |
| Ø 1/8" | 1715.03188 | 3.175 | 0.125 | 1/8" |
| Ø 3/16" | 1715.04768 | 4.763 | 0.1875 | 3/16" |
| Ø 1/4" | 1715.06358 | 6.35 | 0.25 | 1/4" |
| Ø 5/16" | 1715.07948 | 7.94 | 0.3126 | 5/16" |
| Ø 3/8" | 1715.09528 | 9.52 | 0.3748 | 3/8" |
| PG 25-S [mm] | | | | |
| Ø 4.0 mm | 1725.04008 | 4.0 | 0.1575 | – |
| Ø 6.0 mm | 1725.06008 | 6.0 | 0.2362 | – |
| Ø 8.0 mm | 1725.08008 | 8.0 | 0.315 | – |
| Ø 10.0 mm | 1725.10008 | 10.0 | 0.3937 | – |
| Ø 12.0 mm | 1725.12008 | 12.0 | 0.4724 | – |
| Ø 14.0 mm | 1725.14008 | 14.0 | 0.5512 | – |
| Ø 16.0 mm | 1725.16008 | 16.0 | 0.6299 | – |
| Ø 20.0 mm | 1725.20008 | 20.0 | 0.7874 | – |

| Type | Part no. | [mm] | [decimal inch] | \emptyset [inch] |
|-----------------------|------------|-------|----------------|-----------------------|
| PG 25-S [inch] | | | | |
| Ø 1/8" | 1725.03188 | 3.175 | 0.125 | 1/8" |
| Ø 3/16" | 1725.04768 | 4.763 | 0.1875 | 3/16" |
| Ø 1/4" | 1725.06358 | 6.358 | 0.2503 | 1/4" |
| Ø 5/16" | 1725.07948 | 7.94 | 0.3126 | 5/16" |
| Ø 3/8" | 1725.09528 | 9.52 | 0.3748 | 3/8" |
| Ø 1/2" | 1725.12708 | 12.7 | 0.5 | 1/2" |
| Ø 5/8" | 1725.15888 | 15.88 | 0.6252 | 5/8" |
| Ø 3/4" | 1725.19058 | 19.05 | 0.75 | 3/4" |

| | | | | |
|---------------------|------------|------|--------|---|
| PG 32-S [mm] | | | | |
| Ø 12.0 mm | 1732.12008 | 12.0 | 0.4724 | - |
| Ø 16.0 mm | 1732.16008 | 16.0 | 0.6299 | - |
| Ø 20.0 mm | 1732.20008 | 20.0 | 0.7874 | - |
| Ø 25.0 mm | 1732.25008 | 25.0 | 0.9843 | - |

| | | | | |
|-----------------------|------------|-------|------|------|
| PG 32-S [inch] | | | | |
| Ø 1/2" | 1732.12708 | 12.7 | 0.5 | 1/2" |
| Ø 3/4" | 1732.19058 | 19.05 | 0.75 | 3/4" |
| Ø 1" | 1732.25408 | 25.4 | 1.0 | 1" |



| Type | Part no. | Ø | | |
|-----------------------|------------|-------|----------------|--------|
| | | [mm] | [decimal inch] | [inch] |
| PG 15-T [mm] | | | | |
| Ø 5.0 mm | 1715.05007 | 5.0 | 0.1969 | – |
| Ø 6.0 mm | 1715.06007 | 6.0 | 0.2362 | – |
| Ø 8.0 mm | 1715.08007 | 8.0 | 0.315 | – |
| Ø 10.0 mm | 1715.10007 | 10.0 | 0.3937 | – |
| PG 15-T [inch] | | | | |
| Ø 1/4" | 1715.06357 | 6.35 | 0.25 | 1/4" |
| Ø 3/8" | 1715.09537 | 9.525 | 0.375 | 3/8" |
| PG 25-T [mm] | | | | |
| Ø 5.0 mm | 1725.05007 | 5.0 | 0.1969 | – |
| Ø 6.0 mm | 1725.06007 | 6.0 | 0.2362 | – |
| Ø 8.0 mm | 1725.08007 | 8.0 | 0.315 | – |
| Ø 10.0 mm | 1725.10007 | 10.0 | 0.3937 | – |
| Ø 12.0 mm | 1725.12007 | 12.0 | 0.4724 | – |
| Ø 16.0 mm | 1725.16007 | 16.0 | 0.6299 | – |
| Ø 20.0 mm | 1725.20007 | 20.0 | 0.7874 | – |
| PG 25-T [inch] | | | | |
| Ø 1/4" | 1725.06357 | 6.35 | 0.25 | 1/4" |
| Ø 3/8" | 1725.09537 | 9.525 | 0.375 | 3/8" |
| Ø 1/2" | 1725.12707 | 12.7 | 0.5 | 1/2" |
| Ø 3/4" | 1725.19057 | 19.05 | 0.75 | 3/4" |



| Type | Part no. | [mm] | [decimal inch] | Ø [inch] |
|-----------------------------------|------------|--------|----------------|-------------|
| PG 15-SG [mm] | | | | |
| Ø 10.0 mm | 1715.10004 | 10.0 | 0.3937 | – |
| PG 25-SG [mm] | | | | |
| Ø 10.0 mm | 1725.10004 | 10.0 | 0.3937 | – |
| Ø 12.0 mm | 1725.12004 | 12.0 | 0.4724 | – |
| Ø 14.0 mm | 1725.14004 | 14.0 | 0.5512 | – |
| Ø 16.0 mm | 1725.16004 | 16.0 | 0.63 | – |
| Ø 18.0 mm | 1725.18004 | 18.0 | 0.7087 | – |
| Ø 20.0 mm | 1725.20004 | 20.0 | 0.7874 | – |
| PG 25-SG [inch] | | | | |
| Ø 1/2" | 1725.12704 | 12.7 | 0.5 | 1/2" |
| Ø 5/8" | 1725.15884 | 15.875 | 0.625 | 5/8" |
| Ø 3/4" | 1725.19054 | 19.05 | 0.75 | 3/4" |
| PG 32-SG [mm] | | | | |
| Ø 10.0 mm | 1732.10004 | 10.0 | 0.3937 | – |
| Ø 12.0 mm | 1732.12004 | 12.0 | 0.4724 | – |
| Ø 14.0 mm | 1732.14004 | 14.0 | 0.5512 | – |
| Ø 16.0 mm | 1732.16004 | 16.0 | 0.63 | – |
| Ø 18.0 mm | 1732.18004 | 18.0 | 0.7087 | – |
| Ø 20.0 mm | 1732.20004 | 20.0 | 0.7874 | – |
| Ø 25.0 mm | 1732.25004 | 25.0 | 0.9843 | – |
| PG 32-SG [inch] | | | | |
| Ø 1/2" | 1732.12704 | 12.7 | 0.5 | 1/2" |
| Ø 5/8" | 1732.15884 | 15.875 | 0.625 | 5/8" |
| Ø 3/4" | 1732.19054 | 19.05 | 0.75 | 3/4" |
| Ø 1" | 1732.25404 | 25.4 | 1.0 | 1" |
| Threaded insert SGI [mm] | | | | |
| Ø 10.0 mm | 7694.10000 | | | |
| Ø 12.0 mm | 7694.12000 | | | |
| Ø 14.0 mm | 7694.14000 | | | |
| Ø 16.0 mm | 7694.16000 | | | |
| Ø 18.0 mm | 7694.18000 | | | |
| Ø 20.0 mm | 7694.20000 | | | |
| Ø 25.0 mm | 7694.25000 | | | |
| Threaded insert SGI [inch] | | | | |
| Ø 1/2" | 7694.12700 | | | |
| Ø 5/8" | 7694.15880 | | | |
| Ø 3/4" | 7694.19050 | | | |
| Ø 1" | 7694.25400 | | | |



PG collets for tapping PG-TAP

Manufactured with a form-fitting internal square, the PG-TAP collets successfully prevent the tap from twisting.

Key features

Tapping collets without axial compensation

Swiss quality

Made in Switzerland to ISO 9001 / ISO 14001.

Marking

Type and size are marked on the collets to reduce collet selection errors.

Traceability

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

Coolant through tools

Metallic sealed for coolant through tools.

Internal square for tap shanks and length adjustment

Internal square for tight grip, integrated length adjustment screw, accepts h9 tool shanks.

Directions for use The PG-TAP tapping collets are compatible with DIN standard taps.

The REGO-FIX powRgrip® tapping collets are manufactured with an internal square. They are intended for use on CNC machines that have synchronized machine spindle speed and feed rate. Machines that have such rigid tapping capabilities require only minimal compensation.

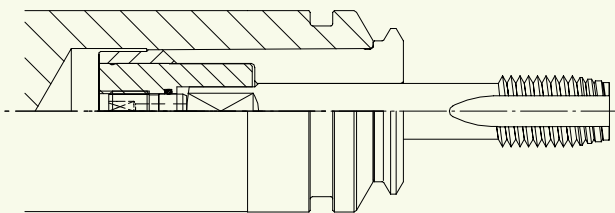
We recommend the use of our SSY Softsynchro® tapping holders. They compensate minimal synchronizing differences of CNC machines.

Please refer to page 51 for additional information on REGO-FIX tapping holders.

For machines without tapping option we recommend the use of our axial compensating GSF tapping holders. Please refer to page 51 for more information. For additional technical information and dimensions of taps, please refer to page 83.

Expert advice

Clamp h9-tolerance tool shanks only.
Never clamp tapping collet without a tool or you will risk to damage the collet.



PG-TAP



PG-TAP

Tapping collet PG-TAP

PG-TAP

DIN 371

DIN 376

| Type | Part no. | Ø [mm] | Square [mm] | DIN norm |
|------------------|------------|--------|-------------|-----------|
| PG 15-TAP | | | | |
| Ø 3.5 x 2.7 mm | 1715.03505 | 3.5 | 2.7 | 371 / 376 |
| Ø 4.5 x 3.4 mm | 1715.04505 | 4.5 | 3.4 | 371 / 376 |
| Ø 6.0 x 4.9 mm | 1715.06005 | 6.0 | 4.9 | 371 / 376 |
| Ø 7.0 x 5.5 mm | 1715.07005 | 7.0 | 5.5 | 371 / 376 |
| Ø 8.0 x 6.2 mm | 1715.08005 | 8.0 | 6.2 | 371 / 376 |
| Ø 9.0 x 7.0 mm | 1715.09005 | 9.0 | 7.0 | 371 / 376 |
| Ø 10.0 x 8.0 mm | 1715.10005 | 10.0 | 8.0 | 371 |

| | | | | |
|------------------|------------|------|------|-----------|
| PG 25-TAP | | | | |
| Ø 6.0 x 4.9 mm | 1725.06005 | 6.0 | 4.9 | 371 / 376 |
| Ø 8.0 x 6.2 mm | 1725.08005 | 8.0 | 6.2 | 371 / 376 |
| Ø 9.0 x 7.0 mm | 1725.09005 | 9.0 | 7.0 | 371 / 376 |
| Ø 10.0 x 8.0 mm | 1725.10005 | 10.0 | 8.0 | 371 |
| Ø 11.0 x 9.0 mm | 1725.11005 | 11.0 | 9.0 | 371 / 376 |
| Ø 12.0 x 9.0 mm | 1725.12005 | 12.0 | 9.0 | 371 / 376 |
| Ø 14.0 x 11.0 mm | 1725.14005 | 14.0 | 11.0 | 371 / 376 |
| Ø 16.0 x 12.0 mm | 1725.16005 | 16.0 | 12.0 | 371 / 376 |

Expert advice

Presetting range of PG-TAP collets on page 84.
Table with current dimensions of taps on page 83.



Contents

powRgrip® accessories

Enhance your tool life with the correct accessories for safe tool clamping.

| | |
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reddot award 2015
honourable mention industrial design



Automatic clamping unit PGU 9500

Clamping inserts APG's for PGU 9500

PGU 9500

APG

| Type | Part no. | Dimensions W x D x H [mm] | Weight [kg] |
|-----------------|------------|---------------------------|-------------|
| PGU 9500 | | | |
| PGU 9500 E | 7610.95000 | 555 x 454 x 648 | 87 |
| PGU 9500 A | 7610.95100 | 555 x 454 x 648 | 91 |
| PGU 9500 J | 7610.95200 | 555 x 454 x 648 | 91 |

Clamping inserts are APG not included.

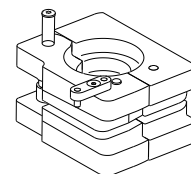
E: Europe A: USA J: Japan

| Type | Part no. | Dimensions W x D x H [mm] | Weight [kg] | Use for |
|-----------------------------|------------|---------------------------|-------------|---------|
| Clamping inserts APG | | | | |
| APG 906* | 7611.06900 | 100 x 95 x 80 | 3 | PG 6 |
| APG 910 | 7611.10900 | 100 x 95 x 80 | 3 | PG 10 |
| APG 915 | 7611.15900 | 100 x 95 x 80 | 3 | PG 15 |
| APG 925 | 7611.25900 | 100 x 95 x 80 | 3 | PG 25 |
| APG 932 | 7611.32900 | 100 x 95 x 80 | 3 | PG 32 |

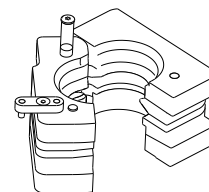
*APG 906 is only suited for PGU 9006 and 9500. All other APG's can be used for PGU 9000 / 9006 / 9500.



PGU 9500



APG



APG (opened)

Manual clamping unit PGC 2506

Clamping inserts APC's for PGC 2506

PGC

APC

| Type | Part no. | Dimensions W x D x H [mm] | Weight [kg] |
|--------------|------------|---------------------------|-------------|
| PGC | | | |
| SET PGC 2506 | 7621.25069 | 578 x 420 x 43 | 18.2 |

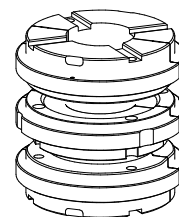
Includes clamping unit, hand pump and stand. Does not include APC's.

| Type | Part no. | Dimensions Ø [mm] | Weight [kg] | Use for |
|-----------------------------|------------|-------------------|-------------|---------|
| Clamping inserts APC | | | | |
| APC 6 | 7622.06000 | 30 x 60 | 0.8 | PG 6 |
| APC 10 | 7622.10000 | 30 x 60 | 0.8 | PG 10 |
| APC 15 | 7622.15000 | 30 x 60 | 0.8 | PG 15 |
| APC 25 | 7622.25000 | 30 x 60 | 0.8 | PG 25 |

**APC 6 is only suited for SET PGC 2506. All other APC's can be used for SET PGC 2506 and 2510.*



PGC 2506



APC

Taper cleaner TKCP

Cleaning paper set CPS

Hi-Q® balancing rings FWR

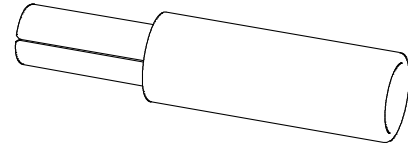
TKCP

CPS

FWR

| Type | Part no. | Use for |
|---------------------------|------------|---------|
| Taper cleaner TKCP | | |
| TKCP 6 | 7657.06000 | PG 6 |
| TKCP 10 | 7657.10000 | PG 10 |
| TKCP 15 | 7657.15000 | PG 15 |
| TKCP 25 | 7657.25000 | PG 25 |
| TKCP 32 | 7657.32000 | PG 32 |

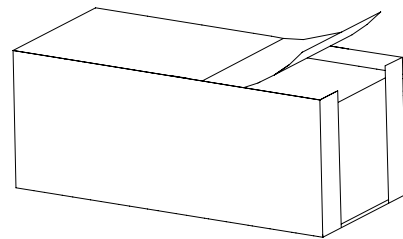
Includes taper cleaner and cleaning paper set.



TKCP

| Type | Part no. |
|-------------------------------|------------|
| Cleaning paper set CPS | |
| CPS 6 | 7658.06000 |
| CPS 10 | 7658.10000 |
| CPS 15 | 7658.15000 |
| CPS 25 | 7658.25000 |
| CPS 32 | 7658.32000 |

Each CPS contains 250 sheets. For single use only.



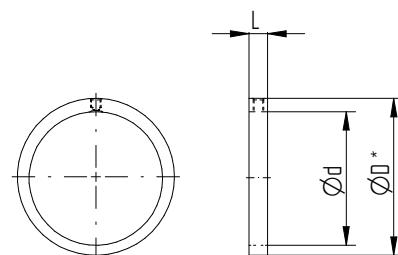
CPS

| Type | Part no. | Dimensions [mm] | | | Balancing capacity [gmm] | | |
|----------------------------------|------------|-----------------|------|---|--------------------------|------------|----------|
| | | D | d | L | FWR SET | single FWR | max. rpm |
| Hi-Q® balancing rings FWR | | | | | | | |
| SET FWR 225 | 7490.22500 | 30.5 | 22.5 | 6 | 16 | 8 | 80.000 |
| SET FWR 285 | 7490.28500 | 36.5 | 28.5 | 6 | 32 | 16 | 70.000 |
| SET FWR 325 | 7490.32500 | 40.5 | 32.5 | 6 | 44 | 22 | 60.000 |
| SET FWR 405 | 7490.40500 | 48.5 | 40.5 | 6 | 52 | 26 | 50.000 |
| SET FWR 505 | 7490.50500 | 60.5 | 50.5 | 7 | 130 | 65 | 42.000 |

Included in set: Two Hi-Q® balancing rings per set.



Balancing rings SET FWR



Single balancing ring

* Rotational diameter

Torque screwdriver TSD TORX 8

Coolant tubes KSR

Key for coolant tubes SKR

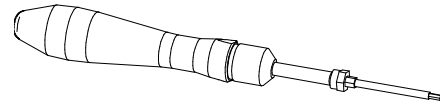
TORX T

TSD

KSR

SKR

| Type | Part no. |
|---------------------------------------|------------|
| TSD TORX 8 for balancing rings | |
| TSD 0.9 Nm | 7159.09000 |



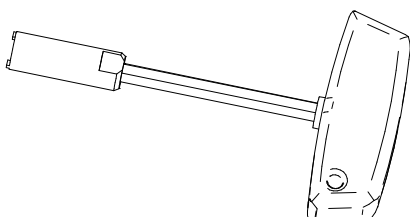
TSD

Expert advice

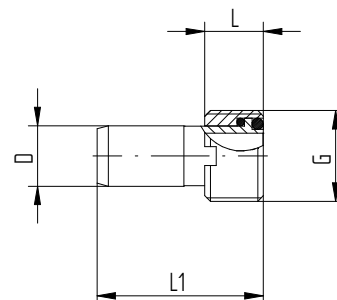
The torque screwdriver is a special TORX style wrench that is preset to the recommended torque rating of 0.9 Nm for tightening the REGO-FIX Hi-Q® balancing rings.

| Type | Part no. | Dimensions [mm] | | | | G |
|--------------------------|------------|-----------------|------|------|------------|---|
| | | D | L | L1 | | |
| Coolant tubes KSR | | | | | | |
| KSR 25 | 7211.25000 | 5 | 4.5 | 17 | M 8 x 1 | |
| KSR 32 | 7211.32000 | 6 | 5.5 | 25.7 | M 10 x 1 | |
| KSR 40 | 7211.40000 | 8 | 7.5 | 29.2 | M 12 x 1 | |
| KSR 50 | 7211.50000 | 10 | 9.5 | 32.7 | M 16 x 1 | |
| KSR 63 | 7211.63000 | 12 | 11.5 | 36.2 | M 18 x 1 | |
| KSR 80 | 7211.80000 | 14 | 13.5 | 39.7 | M 20 x 1.5 | |
| KSR 100 | 7211.00000 | 16 | 15.5 | 43.6 | M 24 x 1.5 | |
| KSR 125 | 7211.12500 | 16 | 15.5 | 43.6 | M 24 x 1.5 | |

| Type | Part no. |
|---------------------|------------|
| Wrenches SKR | |
| SKR 25 | 7212.25000 |
| SKR 32 | 7212.32000 |
| SKR 40 | 7212.40000 |
| SKR 50 | 7212.50000 |
| SKR 63 | 7212.63000 |
| SKR 80 | 7212.80000 |
| SKR 100 | 7212.00000 |
| SKR 125 | 7212.12500 |



SKR



KSR

Torque wrench TORCO-FIX

Freewheel wrench heads A-FLS

Grip bar for wrench heads G-A

Trays for PG collets CTPG

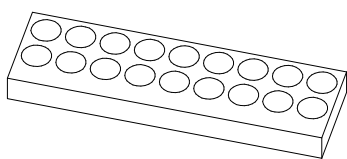
| | |
|-----------|-------|
| TORCO-FIX | A-FLS |
| G-A | CTPG |

| Type | Part no. | L1 [mm] | Range [Nm] |
|--------------------------------------|------------|---------|--------------|
| Torque wrench TORCO-FIX / TSD | | | |
| TORCO-FIX II | 7150.20200 | 465 | 20.0 – 200.0 |

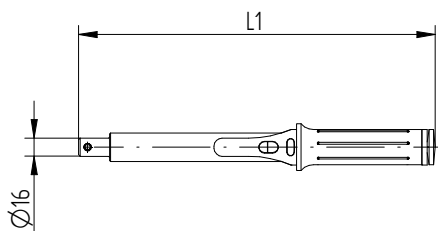
| Type | Part no. | Suitable to | D [mm] | D1 [mm] |
|-------------------------------------|------------|-------------|--------|---------|
| Freewheel wrench heads A-FLS | | | | |
| A-FLS Ø 28.0 / MR 16 / SG 15 | 7855.16000 | PG 15 | 28 | 47 |
| A-FLS Ø 46.0 / SG 25 | 7655.25000 | PG 25 | 46 | 68 |
| A-FLS Ø 55.0 / SG 32 | 7655.32000 | PG 32 | 55 | 77 |

| Grip bar G-A for wrench heads A-FLS | | | | |
|--|------------|-----|---|---|
| G-A | 7655.99900 | all | – | – |

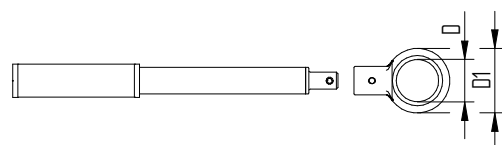
| Type | Part no. | Fits...items | Dimensions W x D x H [mm] |
|-----------------------------|------------|--------------|---------------------------|
| Trays for PG collets | | | |
| CTPG 6 | 7698.06000 | 20 | 150 x 50 x 30 |
| CTPG 10 | 7698.10000 | 14 | 150 x 50 x 40 |
| CTPG 15 | 7698.15000 | 15 | 150 x 100 x 52 |
| CTPG 25 | 7698.25000 | 16 | 150 x 150 x 60 |
| CTPG 32 | 7698.32000 | 9 | 150 x 150 x 69 |



CTPG



TORCO-FIX



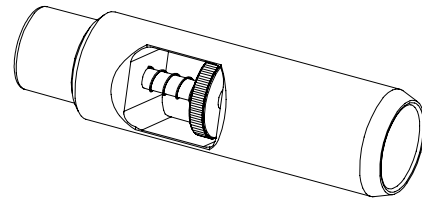
G-A with A-FLS

Length-presetting tool VEW

VEW

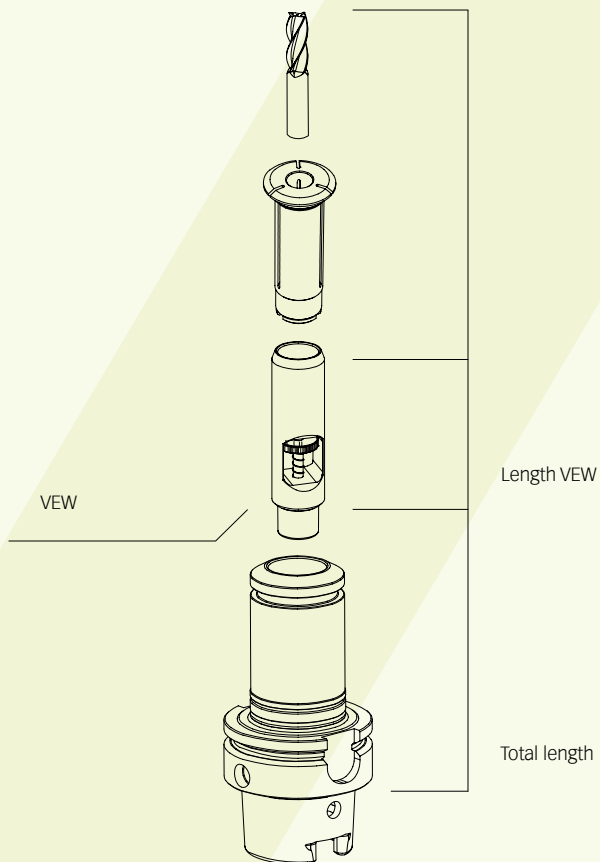
| Type | Part no. |
|-----------------------------------|------------|
| Length-presetting tool VEW | |
| VEW 6 | 7619.06000 |
| VEW 10 | 7619.10000 |
| VEW 15 | 7619.15000 |
| VEW 25 | 7619.25000 |
| VEW 32 | 7619.32000 |

Precise tool adjusting The powRgrip® presetting tool accommodates the powRgrip® collet and is inserted into the collet-holder. The presetting tool has an adjustment wheel for precise tool adjustments.



VEW

Length-presetting tool VEW



How it works

- // Insert the length-presetting tool VEW into the powRgrip® colletcher
- // Insert the powRgrip® collet into the length presetting tool
- // Insert the cutting tool into the powRgrip® collet
- // Adjust the tool length by turning the adjustment wheel
- // Measure the total length of the assembled cutting tool and subtract the length of the VEW (approx. 100 mm) from the total length
- // Remove the presetting tool
- // Clamp collet and cutting tool into the powRgrip® toolholder with the powRgrip® clamping unit



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| Presetting range of PG-TAP collets with internal square | 84 |
| Recommended tightening torque for secuRgrip® safety nuts | 84 |



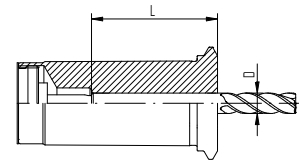
Presetting range of powRgrip® collets

| D | D | PG 6/-CF | | PG 6-S | | PG 10/-CF | | PG 10-S | | PG 15/-CF | | PG 15-S | | PG 15-L** | | PG 25/-CF | |
|---------|--------|----------|--------|--------|--------|-----------|--------|---------|--------|-----------|--------|---------|--------|-----------|--------|-----------|--------|
| | | L [mm] | L [mm] | L [mm] | L [mm] | L [mm] | L [mm] | L [mm] | L [mm] | L [mm] | L [mm] | L [mm] | L [mm] | L [mm] | L [mm] | L [mm] | L [mm] |
| [mm] | [inch] | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. |
| 0.2-1.0 | - | 21.5* | 26.5* | - | - | 20* | 24* | - | - | - | - | - | - | - | - | - | - |
| 1.5 | - | 23.5* | 26.5* | - | - | 16* | 20* | - | - | - | - | - | - | - | - | - | - |
| - | 1/16" | 23.5* | 26.5* | - | - | 16* | 20* | - | - | - | - | - | - | - | - | - | - |
| 2.0 | - | 24 | 26.5 | - | - | 25 | 30 | - | - | - | - | - | - | - | - | - | - |
| 2.5 | - | 24* | 26.5* | - | - | 25 | 30 | - | - | - | - | - | - | - | - | - | - |
| 3.0 | - | 24 | 26.5 | 17 | 20 | 25 | 30 | 20.5 | 26 | 25 | 30 | - | - | - | - | 25 | 32.5 |
| - | 1/8" | 24* | 26.5* | 17 | 20 | 25 | 30 | 20.5 | 26 | 25 | 30 | 18 | 25 | - | - | 25 | 35.2 |
| 3.5 | - | - | - | - | - | 25 | 30 | - | - | 25* | 30* | - | - | - | - | 25* | 35.2* |
| 4.0 | - | - | - | - | - | 25 | 30 | 20.5 | 26 | 25 | 30 | 18 | 25 | 25 | 53 | 25 | 35.2 |
| 4.5 | - | - | - | - | - | 25 | 30 | - | - | 25* | 30* | - | - | - | - | 25* | 35.2* |
| - | 3/16" | - | - | - | - | 25 | 30 | 20.5 | 26 | 25 | 30 | 18 | 25 | - | - | 25 | 35.2 |
| 5.0 | - | - | - | - | - | 25 | 30 | - | - | 25 | 30 | 18 | 25 | 25 | 53 | 25 | 35.2 |
| 5.5 | - | - | - | - | - | 25 | 30 | - | - | 25* | 30* | - | - | - | - | 25* | 35.2* |
| 6.0 | - | - | - | - | - | 30 | 35 | 23.5 | 29 | 33 | 38 | 26 | 33 | 33 | 53 | 33 | 40.5 |
| - | 1/4" | - | - | - | - | 30 | 35 | 23.5 | 29 | 33 | 38 | 26 | 33 | 33 | 53 | 33 | 40.5 |
| 7.0 | - | - | - | - | - | - | - | - | - | 33 | 38 | - | - | - | - | 33 | 40.5 |
| - | 5/16" | - | - | - | - | - | - | - | - | 33 | 38 | 26 | 33 | 33 | 53 | 33 | 40.5 |
| 8.0 | - | - | - | - | - | - | - | - | - | 33 | 38 | 26 | 33 | 33 | 53 | 33 | 40.5 |
| 9.0 | - | - | - | - | - | - | - | - | - | 33 | 38 | - | - | - | - | 33 | 40.5 |
| - | 3/8" | - | - | - | - | - | - | - | - | 37 | 40.5 | 31 | 38 | 37 | 53 | 37 | 44.5 |
| 10.0 | - | - | - | - | - | - | - | - | - | 37 | 40.5 | 31 | 38 | 37 | 53 | 37 | 44.5 |
| 11.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 37 | 44.5 |
| - | 7/16" | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 37 | 44.5 |
| 12.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 42 | 49.5 |
| - | 1/2" | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 42* | 49.5* |
| 13.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 42 | 49.5 |
| 14.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 42 | 49.5 |
| - | 9/16" | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 42 | 49.5 |
| 15.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 42 | 49.5 |
| - | 5/8" | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 45.5 | 50 |
| 16.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 45.5 | 50 |
| 18.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 45.5 | 50 |
| - | 3/4" | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 47.5 | 50 |
| 20.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 47.5 | 50 |
| 22.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | 7/8" | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 25.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | 1" | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

* CF not available. ** PG-L without stop screw.

Presetting range of powRgrip® collets

| D | D | PG 25-S | | PG 25-L** | | PG 32/-CF | | PG 32-S | | PG 32-L** | |
|---------|--------|---------|------|-----------|------|-----------|-------|---------|------|-----------|------|
| | | L [mm] | | L [mm] | | L [mm] | | L [mm] | | L [mm] | |
| [mm] | [inch] | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. |
| 0.2-1.0 | - | - | - | - | - | - | - | - | - | - | - |
| 1.5 | - | - | - | - | - | - | - | - | - | - | - |
| - | 1/16" | - | - | - | - | - | - | - | - | - | - |
| 2.0 | - | - | - | - | - | - | - | - | - | - | - |
| 2.5 | - | - | - | - | - | - | - | - | - | - | - |
| 3.0 | - | - | - | - | - | - | - | - | - | - | - |
| - | 1/8" | - | - | - | - | - | - | - | - | - | - |
| 3.5 | - | - | - | - | - | - | - | - | - | - | - |
| 4.0 | - | 18 | 25 | - | - | - | - | - | - | - | - |
| 4.5 | - | - | - | - | - | - | - | - | - | - | - |
| - | 3/16" | - | - | - | - | - | - | - | - | - | - |
| 5.0 | - | - | - | - | - | - | - | - | - | - | - |
| 5.5 | - | - | - | - | - | - | - | - | - | - | - |
| 6.0 | - | 26 | 33 | 33 | 65 | 33.5 | 40.9 | - | - | - | - |
| - | 1/4" | 26 | 33 | 33 | 65 | 33.5 | 40.9 | - | - | - | - |
| 7.0 | - | - | - | - | - | 33.5 | 40.9 | - | - | - | - |
| - | 5/16" | 26 | 33 | 33 | 65 | 33.5 | 40.9 | - | - | - | - |
| 8.0 | - | 26 | 33 | 33 | 65 | 33.5 | 40.9 | - | - | - | - |
| 9.0 | - | - | - | - | - | 33.5 | 40.9 | - | - | - | - |
| - | 3/8" | 30 | 38 | 37 | 65 | 35.5 | 44.9 | - | - | - | - |
| 10.0 | - | 30 | 38 | 37 | 65 | 35.5 | 44.9 | - | - | - | - |
| 11.0 | - | - | - | - | - | 35.5 | 44.9 | - | - | - | - |
| - | 7/16" | - | - | - | - | 35.5 | 44.9 | - | - | - | - |
| 12.0 | - | 35 | 43 | 42 | 65 | 40.5 | 49.9 | 32 | 40.5 | 40.5 | 69 |
| - | 1/2" | 35 | 43 | 42 | 65 | 40.5 | 49.9 | 32 | 40.5 | 40.5 | 69 |
| 13.0 | - | - | - | - | - | 40.5* | 49.9* | - | - | - | - |
| 14.0 | - | 35 | 43 | 42 | 65 | 40.5 | 49.9 | 35 | 43 | 40.5 | 69 |
| - | 9/16" | - | - | - | - | 40.5 | 49.9 | - | - | - | - |
| 15.0 | - | - | - | - | - | 40.5* | 49.9* | - | - | - | - |
| - | 5/8" | 38 | 46 | 45.5 | 65 | 43.5 | 52.9 | 38 | 46 | - | - |
| 16.0 | - | 38 | 46 | 45.5 | 65 | 43.5 | 52.9 | 35 | 43.5 | 43.5 | 69 |
| 18.0 | - | - | - | - | - | 43.5 | 52.9 | - | - | - | - |
| - | 3/4" | 40 | 47.5 | 47.5 | 65 | 45.5 | 54.9 | 37 | 45.5 | 45.5 | 69 |
| 20.0 | - | 40 | 47.5 | 47.5 | 65 | 45.5 | 54.9 | 37 | 45.5 | 45.5 | 69 |
| 22.0 | - | - | - | - | - | 45.5 | 54.9 | - | - | - | - |
| - | 7/8" | - | - | - | - | 45.5 | 54.9 | - | - | - | - |
| 25.0 | - | - | - | - | - | 49.5 | 58 | 41 | 49.5 | 49.5 | 69 |
| - | 1" | - | - | - | - | 49.5 | 58 | 41 | 49.5 | 49.5 | 69 |



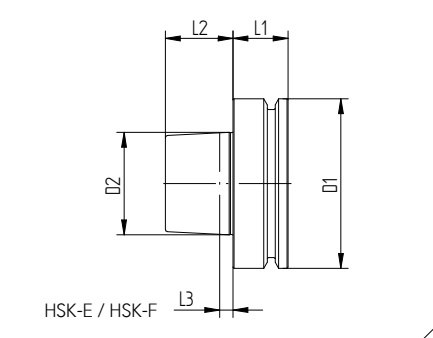
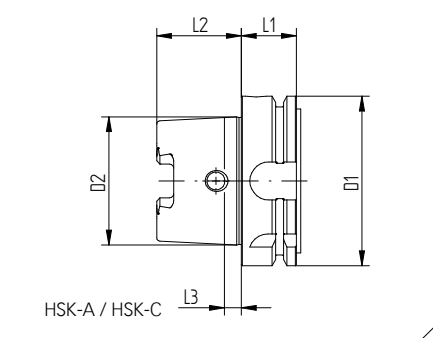
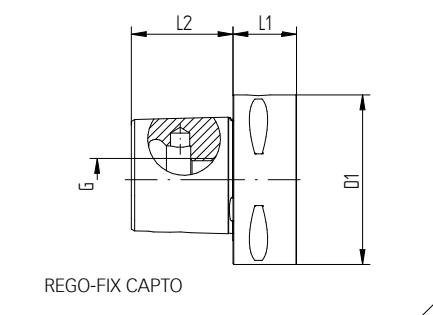
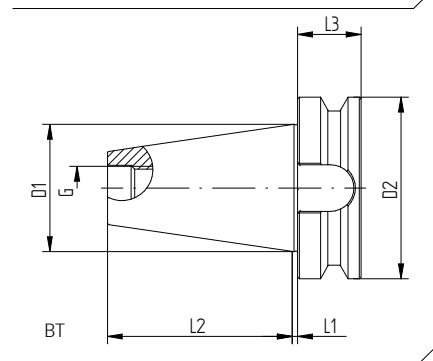
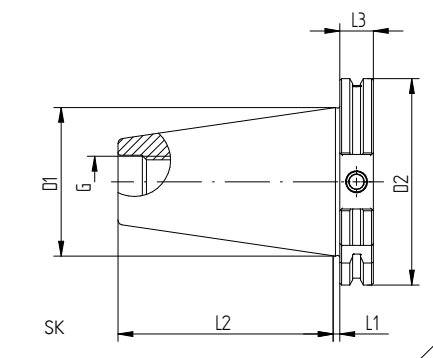
PG / PG-CF / PG-S / PG-L

* CF not available. ** PG-L without stop screw.

Spindle interface norms

| | | | |
|------------------|----------------|------------------|------------------|
| SK | BT | CAPTO | HSK |
| DIN 69871 | MAS 403 | ISO 26623 | DIN 69893 |

| Type | Measurements [mm] | | | | | G |
|--------------------------------------|-------------------|-------|------|--------|-------|------------|
| | D1 | D2 | L1 | L2 | L3 | |
| SK DIN 69871 | | | | | | |
| SK 30 | 31.75 | 50 | 3.2 | 47.8 | 15.85 | M 12 |
| SK 40 | 44.45 | 63.55 | 3.2 | 68.4 | 15.85 | M 16 |
| SK 50 | 69.85 | 97.5 | 3.2 | 101.75 | 15.85 | M 24 |
| BT MAS 403 | | | | | | |
| BT 30 | 31.75 | 46 | 2 | 48.4 | 20 | M 12 |
| BT 40 | 44.45 | 63 | 2 | 65.4 | 25 | M 16 |
| BT 50 | 69.85 | 100 | 3 | 101.8 | 35 | M 24 |
| Polygon shank CAPTO ISO 26623 | | | | | | |
| Polygon shank C3 | 32 | - | 15 | 19 | - | M 12 x 1.5 |
| Polygon shank C4 | 40 | - | 20 | 24 | - | M 14 x 1.5 |
| Polygon shank C5 | 50 | - | 20 | 30 | - | M 16 x 1.5 |
| Polygon shank C6 | 63 | - | 22 | 38 | - | M 20 x 2 |
| Polygon shank C8 | 80 | - | 30 | 48 | - | M 20 x 2 |
| HSK DIN 69893 | | | | | | |
| HSK-A 25 | 25 | 19 | 10 | 13 | 2.5 | - |
| HSK-C 25 | 25 | 19 | 8 | 13 | 2.5 | - |
| HSK-E 25 | 25 | 19 | 10 | 13 | 2.5 | - |
| HSK-A 32 | 32 | 24 | 20 | 16 | 3.2 | - |
| HSK-C 32 | 32 | 24 | 10 | 16 | 3.2 | - |
| HSK-E 32 | 32 | 24 | 20 | 16 | 3.2 | - |
| HSK-A 40 | 40 | 30 | 20 | 20 | 4 | - |
| HSK-C 40 | 40 | 30 | 10 | 20 | 4 | - |
| HSK-E 40 | 40 | 30 | 20 | 20 | 4 | - |
| HSK-A 50 | 50 | 38 | 26 | 25 | 5 | - |
| HSK-C 50 | 50 | 38 | 12.5 | 25 | 5 | - |
| HSK-E 50 | 50 | 38 | 26 | 25 | 5 | - |
| HSK-F 50 | 50 | 30 | 26 | 20 | 4 | - |
| HSK-A 63 | 63 | 48 | 26 | 32 | 6.3 | - |
| HSK-C 63 | 63 | 48 | 12.5 | 32 | 6.3 | - |
| HSK-E 63 | 63 | 48 | 26 | 32 | 6.3 | - |
| HSK-F 63 | 63 | 38 | 26 | 25 | 5 | - |
| HSK-A 80 | 80 | 60 | 26 | 40 | 8 | - |
| HSK-C 80 | 80 | 60 | 16 | 40 | 8 | - |
| HSK-F 80 | 80 | 48 | 26 | 32 | 6.3 | - |
| HSK-A 100 | 100 | 75 | 29 | 50 | 10 | - |
| HSK-C 100 | 100 | 75 | 16 | 50 | 10 | - |
| HSK-E 100 | 100 | 70 | 29 | 50 | 10 | - |



Shank diameter of taps

| | Thread | | DIN 371 | | DIN 357/376 | |
|-------|--------|--------|---------|-----|-------------|------|
| | [mm] | [inch] | ∅ | □ | ∅ | □ |
| M 1 | - | - | 2.5 | 2.1 | - | - |
| M 1.1 | - | - | 2.5 | 2.1 | - | - |
| M 1.2 | - | - | 2.5 | 2.1 | - | - |
| M 1.4 | - | - | 2.5 | 2.1 | - | - |
| M 1.6 | 1/16 | - | 2.5 | 2.1 | - | - |
| M 1.7 | - | - | 2.5 | 2.1 | - | - |
| M 1.8 | - | - | 2.5 | 2.1 | - | - |
| M 2 | - | - | 2.8 | 2.1 | - | - |
| M 2.2 | - | - | 2.8 | 2.1 | - | - |
| M 2.3 | - | - | 2.8 | 2.1 | - | - |
| M 2.5 | 3/32 | - | 2.8 | 2.1 | - | - |
| M 2.6 | - | - | 2.8 | 2.1 | - | - |
| M 3 | 1/8 | - | 3.5 | 2.7 | 2.2 | - |
| M 3.5 | - | - | 4 | 3 | 2.5 | 2.1 |
| M 4 | 5/32 | - | 4.5 | 3.4 | 2.8 | 2.1 |
| M 4.5 | 3/16 | - | 6 | 4.9 | 3.5 | 2.7 |
| M 5 | - | - | 6 | 4.9 | 3.5 | 2.7 |
| M 6 | 1/4 | - | 6 | 4.9 | 4.5 | 3.4 |
| M 7 | 5/16 | - | 7 | 5.5 | 5.5 | 4.3 |
| M 8 | - | - | 8 | 6.2 | 6 | 4.9 |
| M 9 | - | - | 9 | 7 | 7 | 5.5 |
| M 10 | 3/8 | - | 10 | 8 | 7 | 5.5 |
| M 11 | - | - | - | - | 8 | 6.2 |
| M 12 | 1/2 | - | - | - | 9 | 7 |
| M 14 | 9/16 | - | - | - | 11 | 9 |
| M 16 | 5/8 | - | - | - | 12 | 9 |
| M 18 | 11/16 | - | - | - | 14 | 11 |
| M 20 | 13/16 | - | - | - | 16 | 12 |
| M 22 | 7/8 | - | - | - | 18 | 14.5 |
| M 24 | 15/16 | - | - | - | 18 | 14.5 |
| M 27 | 1/16 | - | - | - | 20 | 16 |
| M 30 | 3/16 | - | - | - | 22 | 18 |

All dimensions in mm (except US Standard ASME B 94.9 in inch).

*M 3–M 10 with reinforced shank.

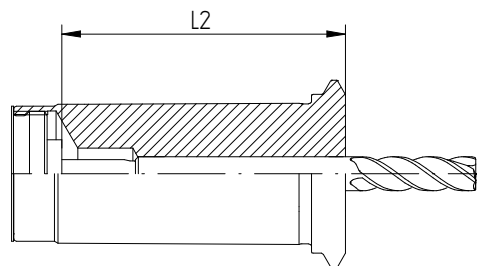
Maximum presetting range for PG standard collets and PG-CF collets

| Sizes | PG 6 | PG 10 | PG 15 | PG 25 | PG 32 |
|---------|------|-------|-------|-------|-------|
| L2 max. | 26.5 | 35 | 40.5 | 50 | 58 |

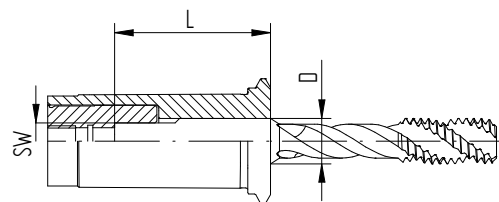
L2: maximum depth (without stop screw)

Presetting range of PG-TAP collets with internal square

| Dimensions [mm] | | PG 15-TAP [mm] | | PG 25-TAP [mm] | |
|-----------------|-----|----------------|--------|----------------|--------|
| D | SW | L min. | L max. | L min. | L max. |
| 3.5 | 2.7 | 27 | 29 | - | - |
| 4.5 | 3.4 | 27 | 29 | - | - |
| 6.0 | 4.9 | 29 | 31 | - | - |
| 7.0 | 5.5 | 29 | 31 | - | - |
| 8.0 | 6.2 | 33.5 | 36 | 33.5 | 36 |
| 9.0 | 7 | 34.5 | 37 | 34.5 | 37 |
| 10.0 | 8 | 35.5 | 38 | 38.5 | 41 |
| 11.0 | 9 | - | - | 39.5 | 42 |
| 12.0 | 9 | - | - | 39.5 | 42 |
| 14.0 | 11 | - | - | 41.5 | 44 |
| 16.0 | 12 | - | - | 42.5 | 45 |



PG/PG-CF



PG-TAP

Recommended tightening torque for secuRgrip® safety nuts

| Safety nut type | Nut Ø [mm] | Recommended torque | Freewheel wrench head | TORCO-FIX |
|-----------------|------------|--------------------|------------------------------|-----------|
| PG 15 | 28.00 | 50 Nm | A-FLS Ø 28.0 / MR 16 / SG 15 | II |
| PG 25 | 46.00 | 70 Nm | A-FLS Ø 46.0 / SG 25 | II |
| PG 32 | 55.00 | 80 Nm | A-FLS Ø 55.0 / SG 32 | II |



Imprint

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* Depending on which occurs first.

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