



CENTRO | P premium
CLAMPING SYSTEMS FROM FAHRION



CONTENTS

	Seite
1. FAHRION	4
2. CENTRO P – Tangible System Advantages	8
3. CENTRO P premium – Advanced Consistency	10
UPC Ultra Power Chuck	12
DPC Dynamic Performance Chuck	16
MPC Mini Precision Chuck	18
4. Chucks UPC DPC MPC	23
Chuck Configurator	24
HSK-A – DIN 69893-1 / ISO 12164-1	26
HSK-E – DIN 69893-5	32
● C – ISO 26623-1	35
SK – DIN 69871-1 (DIN ISO 7388-1)	36
BT – JIS B 6339 (DIN ISO 7388-2)	42
CYL – Cylindrical shank	50
5. GERC – a Class of its Own	51
6. GERC Collets	52
GERC8	58
GERC11	60
GERC16	62
GERC20	66
GERC25	70
GERC32	74
GERC40	78
7. Accessories	83
Wrenches	84
Mounting Devices	85
Stop screws	86
Coolant Supply Tubes and Wrenches	86
Pull Studs	87
8. Technical Section	91
Guidelines	92
Balancing	94
Icons	98

FAHRION

Be on the safe side



Our goal is to make your work simpler, faster, more efficient and precise. This is what motivates our daily work at FAHRION.





FAHRION is a medium-sized, innovative, family owned business located in Germany with international reach. More than 100 years of business has given us experience, knowledge, and a continued passion to build and maintain a partner relationship with our customers.

Our factory is located away from the renowned metropolitan areas of greater Stuttgart. Here, we have been focusing from the very beginning on the optimisation and development of collets and everything around them from start to finish.

Today, our success has proven us right: we are one of the leading technological companies in our market segment. We remain a reliable partner for the future through continuous development and optimisation of our products and our production processes.

HIGH-PERFORMANCE PARTNER

Results Speak for Themselves



The focus of our work is on the end users and we always deliver target-oriented solutions.



And everything runs smoothly – that's our promise to everyone who relies on FAHRION clamping systems. Our standard range of products includes collets with concentricity, which is usually not the case at other manufacturers who only offer this quality in their top segment product range.

CENTRO|P precision chucks and high-precision collets form an optimally matched complete system that guarantees maximum precision, stability, flexibility, reliability, and profitability.

This range of universally used products is complimented by specific solutions for applications in the fields of aerospace, medical technology, tool making, and mould making, as well as the supply industry and manufacturers of precision parts. These solutions are ideal for highly demanding and complex tasks.

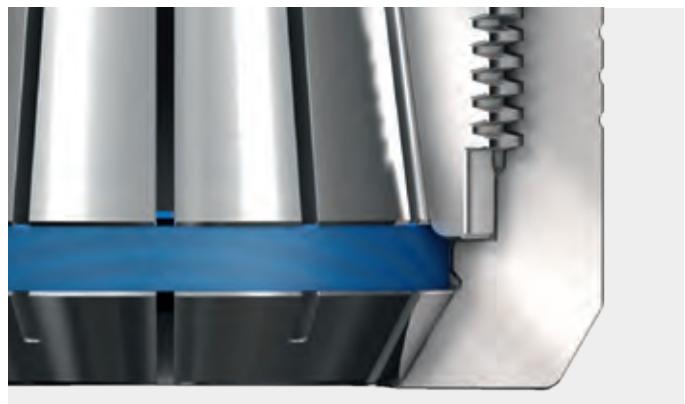
CENTRO | P

Tangible System Advantages

Design highlights

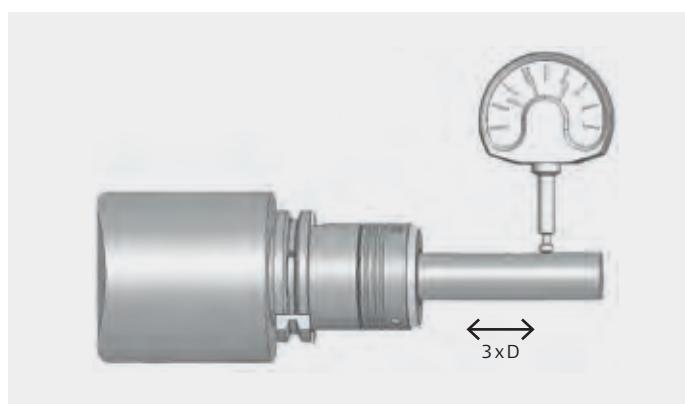
The patented Precision Collet Chuck CENTRO|P is a genuinely well-rounded system for a wide variety of production tasks that stands apart from the rest thanks to its numerous advantages. The most important design features are:

- The collet fits completely inside the cone
- An accurately machined double guide for the clamping nut
- A stable trapezoidal thread for increased transmission clamping forces
- A chuck body with a continuous maximum diameter



Concentricity

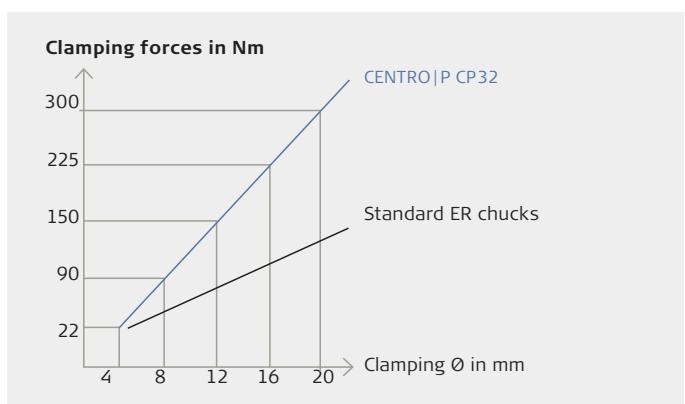
Average system concentricity of 0.003 mm when using collets of the GERC-HP series



Clamping forces

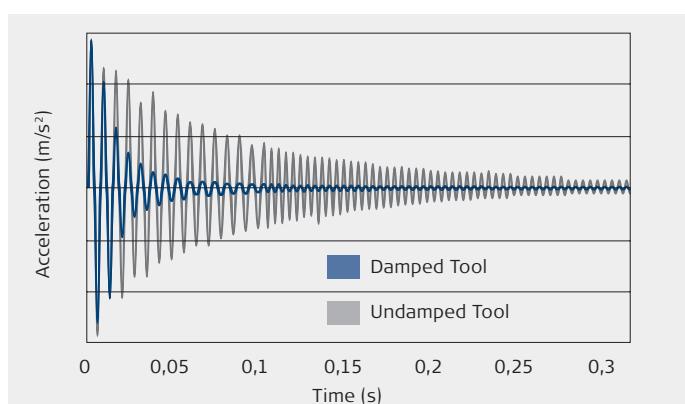
Normally more than twice as high as standard collet holders of the same size

Clamping forces (static) in Nm on the tool, tightening torque of the clamping nut 140 Nm



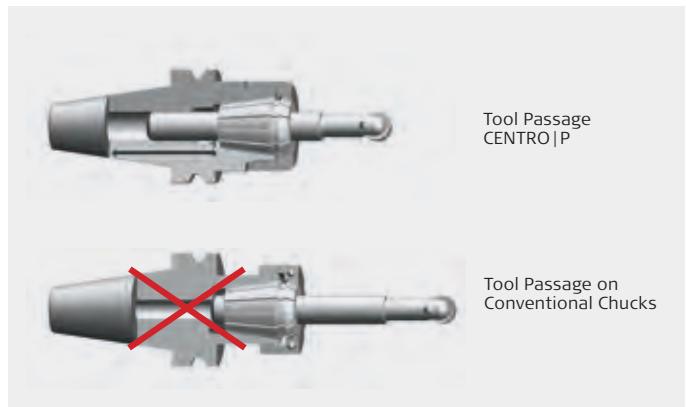
Damping ratio

Significantly improvement over rigid holder due to the damping behaviour of the collet and clamping nut



Rigidity

The chuck body is reinforced along the entire length on the diameter of the clamping nut, achieving the highest rigidity and the best interference contour possible. An engineered tool passage allows for variable tool overhang.



Versatility

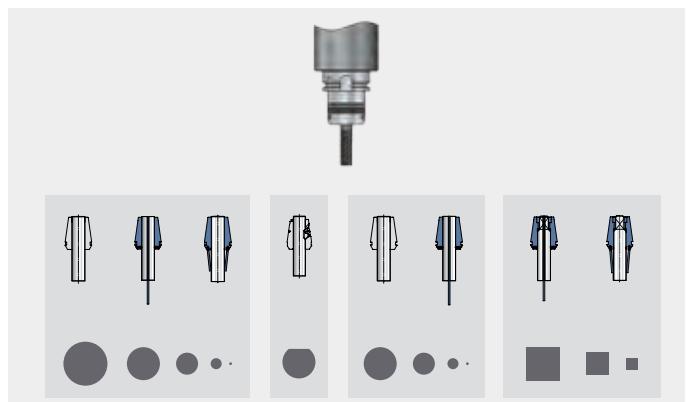
Many different versions are available, adapted to the respective tasks and challenges faced when milling, drilling, threading, etc.



Flexibility

A simple exchange of the collet can change

- the diameter
- the coolant supply
- the processing
- the concentricity
- right up to pull-out protection



Handling

Simple, fast and safe thanks to the presence of a Roller Bearing Wrench instead of a spanner wrench



CENTRO|P premium

Advanced Consistency



We always work to make something good even better. Welcome to the world of high-precision processing with customer benefits.



Our CENTRO|P premium system allows you to significantly expand the application areas of CENTRO|P and enjoy many more advantages. For example, the already tried-and-tested FAHRION|Protect coating that is now also being used on collet chucks and clamping nuts; a pioneering

technology that protects your complete tool clamping system, maintaining accuracy and performance in the long term. There are three systems with very individual strengths.

UPC

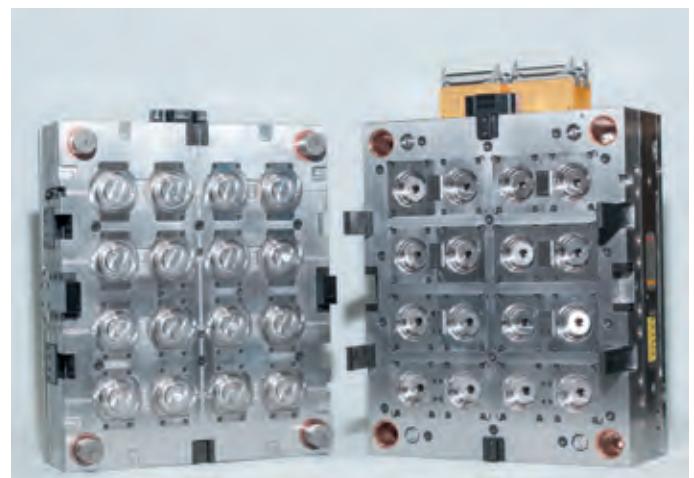
The **Ultra Power Chucks (UPC)** are designed to optimise material removal rates on high-performance machines with high rigidity and drive power.



Aircraft engines, aerospace

DPC

The **Dynamic Performance Chucks (DPC)** are designed for dynamic machines with less stability and drive power, but usually higher spindle speed and axis speed.



Injection mould (16-fold), tool and mould making

MPC

The **Mini Precision Chucks (MPC)** are designed for use with high speed spindles or for operating in tight spaces.

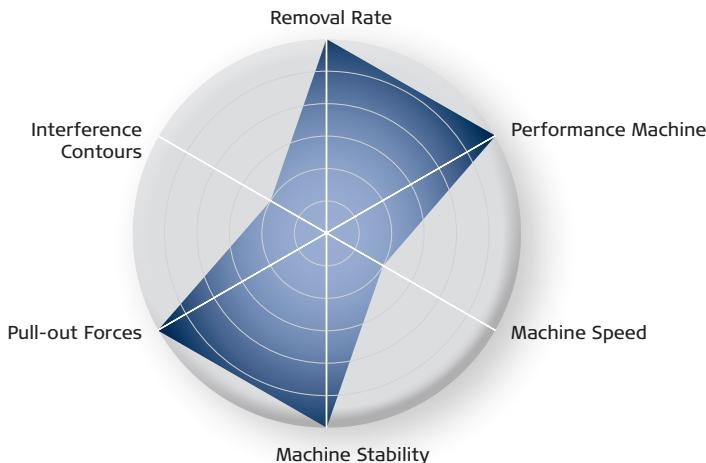


Implants (joint), medical and laboratory technology

UPC, ULTRA POWER CHUCK

For Maximum Material Removal Rates





Radial Rigidity, Compact Length and Mechanical Pull-Out Protection Greater than a Holding Torque of 1,000 Nm

During processing, oscillation and vibration occur on the machine. These lead to a decrease in the clamping force and to micro creeping, also known as pull-out. Micro creeping occurs in all clamping technologies that do not utilize positive locking techniques.

Very high clamping force usually requires rigid connections, which in turn assists in the formation and propagation of vibration. Micro creeping sets in earlier here. If the connection is less rigid but has a higher damping rate, much better results can be achieved.

Power chucks, which mainly rely on high nominal clamping force, must accept relatively thin walls of the chuck body. This makes power chucks susceptible to radial stress and vibration. For this reason, our **UPC Chucks** are built to achieve good damping rates, designed with a stable chuck body, and not focused on the nominal clamping force. Micro creeping is prevented by positive locking.

This Speaks for UPC Chucks:

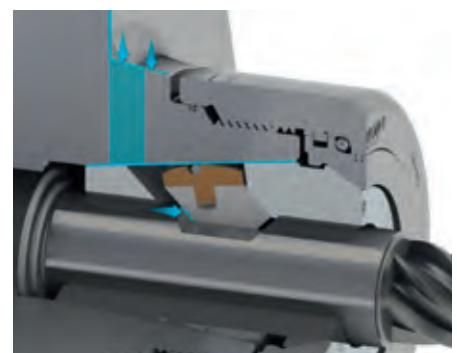
- **Optimal clamping force**, so that the collet is unable to slip when clamped
- **Stable basic construction**, for the least possible amount of vibrations build up
- **Maximum damping**, to effectively suppress vibration that does occur
- **Positive locking** over the Weldon surface, which fully prevents micro creeping from taking place

The Problem:



Conventional power chuck – high radial transmission of torque – unstable/weakened – only limited radial load capacity

The Solution:



FAHRION UPC stable body – designed for increased radial load and mechanical pull out protection

CLAMPING NUT UPC

Full Performance, Thanks to Angular Contact Ball Bearings



Conventional deep groove ball bearings

Power flow during clamping (red) or releasing (blue)



Angular contact ball bearings on the Ultra Power Chuck UPC

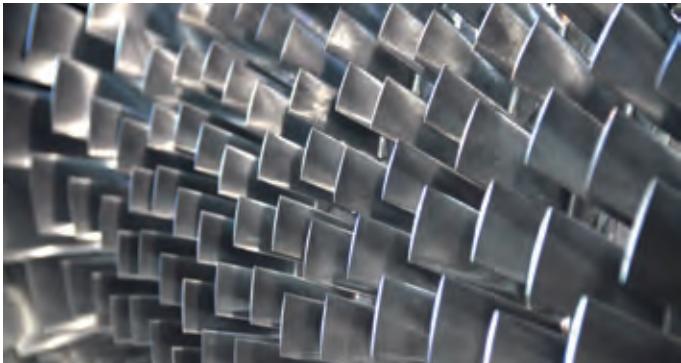
Power flow during clamping (red) or releasing (blue)

Despite very good damping properties, the disadvantages of ball-bearing clamping nuts are still present. Only the **UPC Clamping Nut**, with its specially developed and patent pending angular contact ball bearing removes these drawbacks. The unique arrangement of the bearing shells allows for:

- the use of balls with a much smaller diameter. This doubles the number of balls and increases the resulting contact surface. The surface pressure decreases accordingly and impact in the raceways is reduced.
- the decoupling of the clamping and releasing function through a special circlip, which absorbs the entire, sometimes jerky, occurring forces when the nut is open and the collet is pulled out. The bearing raceways are not damaged when applying force during opening.

- the use of hardened bearing steel, which, in contrast to case hardened steel (found in other solutions), counteracts the intrusion of the balls.
- bearing assembly without additional feed opening for the balls. As a result, the balls have no obstacles to block their movement.
- the inclusion of an uninterrupted raceway. This has a positive effect on the residual imbalance and the concentricity properties.

The sum of all these advantages makes **FAHRION UPC Clamping Nut**, in all of its main characteristics (clamping force, concentricity and damping), the absolute leader.



Power Plant Turbine



Landing Gear for Passenger Planes



Joint Implant



Filling Plant

The **UPC Chucks** are particularly suitable for the roughing of challenging materials, such as

- Titanium
- Inconell
- Hastelloy
- Heat-treated and Stainless Steels
- Highly Heat-resistant Alloys

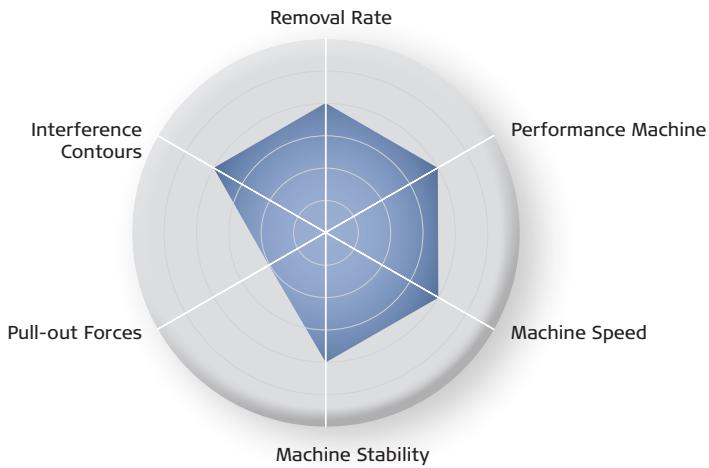
Related applications for components found in the fields of

- Turbine Construction and Energy Technology
- Aerospace
- Medical and Laboratory Technology
- Fluid Technology and Food Industry

DPC, DYNAMIC PERFORMANCE CHUCK

For Highly Dynamic Processes





DPC Dynamic Performance Chucks are genuinely well-rounded for roughing, semi-finishing and finishing. Thanks to the right selection of precision collets, all processing tasks can be performed using the same chuck.

DPC Chucks are the first choice to achieve high removal rates on dynamic machines with contemporary milling strategies. Component examples include:

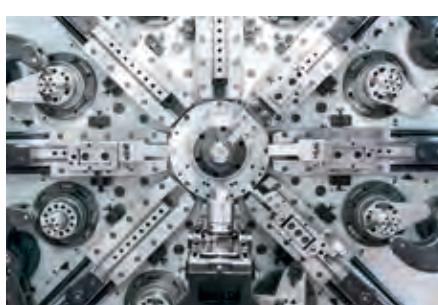
- Tool and Mould Making
- Automotive and Supply Industries
- Mechanical and Plant Engineering
- Upscale Parts and Subcontractors.



Thermoforming Mould



Gear Casing



Rotary Transfer Machine

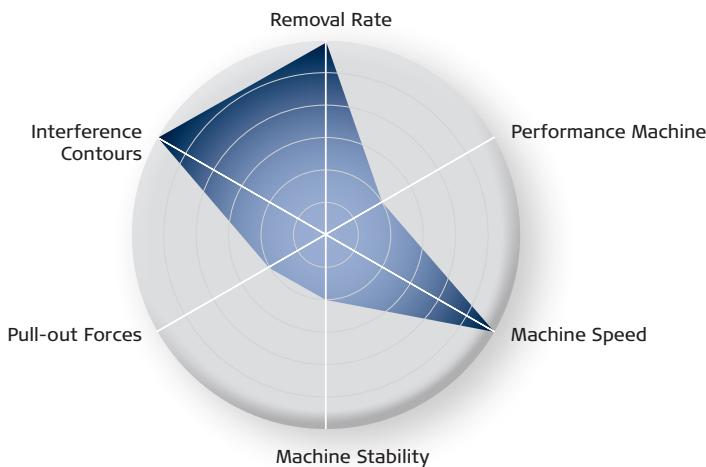


Impeller

MPC, MINI PRECISION CHUCK

For High-Speed Spindles, Tight Spaces and Deep Immersion





The **MPC Mini Precision Chucks** usually feature smaller clamping diameters for high spindle speeds, sometimes very slim outer contours, or for deep projection into cavities. They are suitable for high-speed machines with small interfaces on the machine spindle or for machining in high immersion depths with stable tool clamping.

Classic applications of **MPC Chucks** are:

- Medical and Laboratory Technology
- Tool and Mould Making
- Precision and Micro Technology



Surgical Devices



Sections of Precision Engineering



Turbo Compressors

MACHINING FLEXIBILITY, SPECIALISED USE AND VARIABLE UTILIZATION



CHUCKS

Interface	Chuck body, including clamping nut	
 DIN 69893-1/ ISO 12164-1 HSK-A 63/100	Ultra Power Chuck. Optimised for high performance in trochoidal milling with long milling cutter engagement or for power milling in high strength materials, e.g. in the aerospace industry.	UPC  Patented, multi-part UPC clamping nut for optimal damping and highest clamping force.
 DIN 69893 HSK-E 25/32/40		UPC
 ISO 26623-1 C 6	Dynamic Performance Chuck. The universal solution for dynamic machines with less power, modern milling strategies and high removal rates, e.g. in tool and mould making.	DPC  Slip-coated, single-piece DPC clamping nut for high clamping forces and best balancing quality.
 DIN 69871 (New DIN ISO 7388-1) SK 40/50		DPC
 JIS B 6339 (New DIN ISO 7388-2) BT 30/40/50	Mini Precision Chuck. Specialised for high-speed machines and tasks in limited space, e.g. in medical and precision engineering.	MPC  Slim, one-piece MPC clamping nut for low interference contour and high balancing quality.
 DIN 1835 CYL 10/16		MPC



COLLETS

Feature	High Precision	Safety	Precision	Threads
Standard	 GERC-HP High Precision Collet 2 µm DIN ISO 15488-B (ER/ESX)	 GERC-WD Wedge Collet 3 µm with Pull-Out Protection similar to DIN ISO 15488-B	 GERC-B Precision Collet 5 µm DIN ISO 15488-B (ER/ESX)	
Sealed	 GERC-HPD High Precision Collet 2 µm similar to DIN ISO 15488-A		 GERC-BD Precision Collet 5 µm similar to DIN ISO 15488-A	 GERC-GBD Tap Collet 10 µm similar to DIN ISO 15488-A
Sealed with Jet Holes	 GERC-HPDD High Precision Collet 2 µm similar to DIN ISO 15488-A			 GERC-GBDD Tap Collet 10 µm similar to DIN ISO 15488-A

CHUCKS



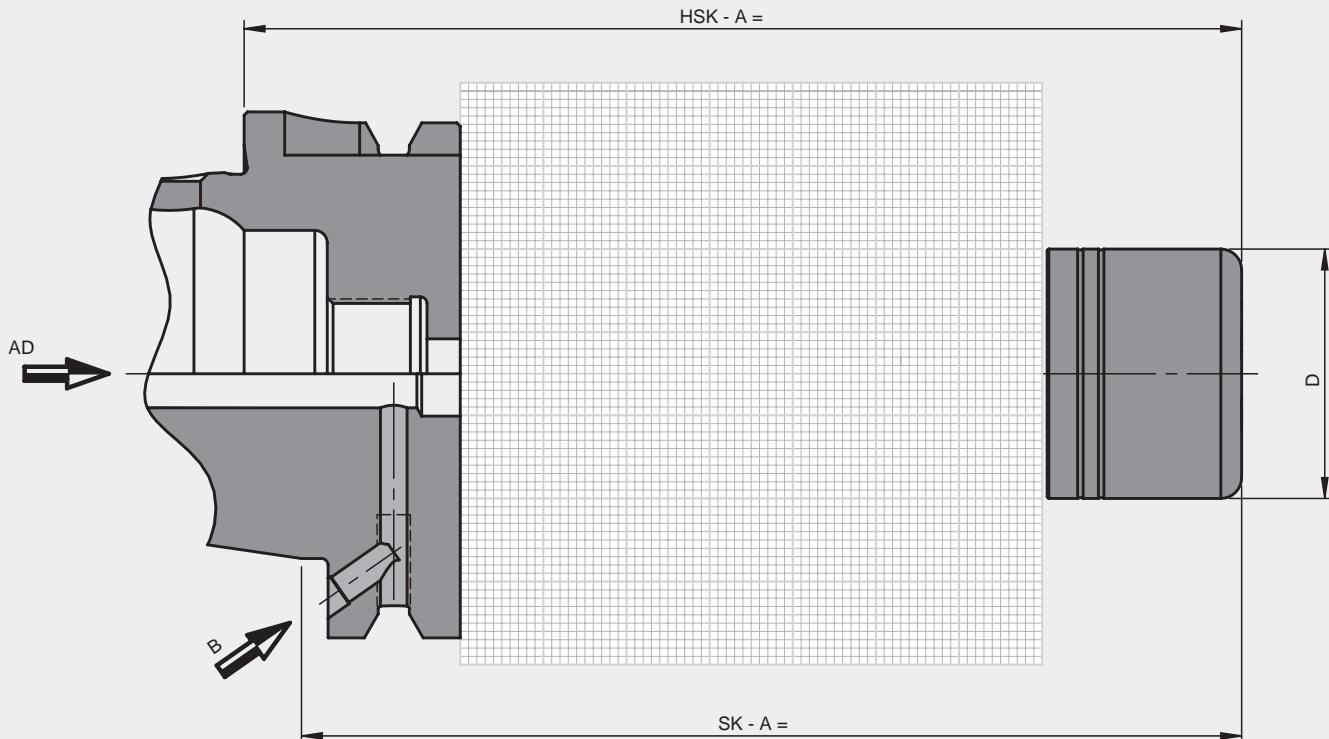
TAILOR MADE

FAHRION Chuck Configurator

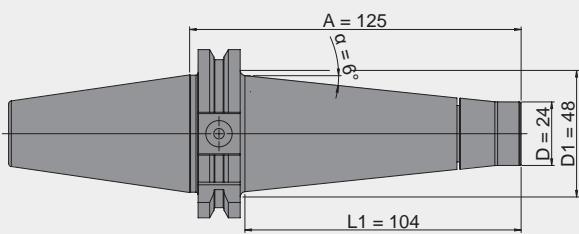
Now it's your turn! Use our special chuck configurator to significantly extend the service life of your cutting tools. Determine the optimal length and shape of your chuck by yourself. Sketch your idea and send it to us.

Conical chucks, where space allows, tend to be more stable and stiffer than cylindrical chucks (example 1)
Chucks that are tapered in the rear and cylindrical in the front (example 2) or cylindrical chucks in the optimal length – as short as possible or as long as necessary.

Show us what you need!

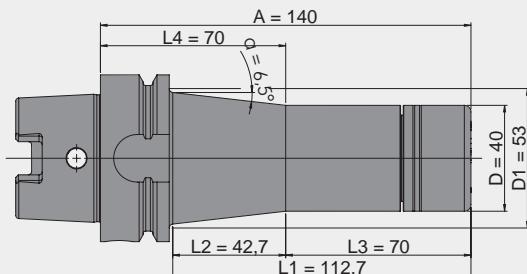


Example 1:



MPC16T-AD40-A=125 (tapered 6°)

Example 2:



DPC25-HSK-A63-A=140 (stepped-tapered 6,5°)

Please specify the following parameters and send them to us. You will receive a non-binding offer immediately:
Mail: individual@fahrion.de

Form for your individual CHUCK

Spindle-Side Interface (see pages 92/93 in the Technical Section)				
Drilling for RFID chip	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Coolant Supply	<input type="checkbox"/> AD central	<input type="checkbox"/> B through the flange		
Shape	<input type="checkbox"/> cylindrical	<input type="checkbox"/> tapered	<input type="checkbox"/> stepped	
Dimension A (up to A = 300 mm)				
Clamping Nuts	D	Type	Collet	Clamping range
	<input type="checkbox"/> 10	MPC8	GERC8	1-5 mm
	<input type="checkbox"/> 16	MPC11	GERC11	1-7 mm
	<input type="checkbox"/> 22	MPC16	GERC16	1-10 mm
	<input type="checkbox"/> 24	MPC16T	GERC16	1-10 mm
	<input type="checkbox"/> 30	DPC16	GERC16	1-10 mm
	<input type="checkbox"/> 32	DPC20	GERC20	1-13 mm
	<input type="checkbox"/> 40	DPC25	GERC25	1-16 mm
	<input type="checkbox"/> 50	DPC32	GERC32	2-20 mm
	<input type="checkbox"/> 53	UPC32	GERC32	2-20 mm
	<input type="checkbox"/> 63	UPC40	GERC40	3-26 mm

Please select your desired version

Minimum order quantity 5 pcs
under- or over-supply of up to 10%
(but not less than 1 piece)



ONLINE SERVICE

Download the sketch template and the configuration form directly from our website at:

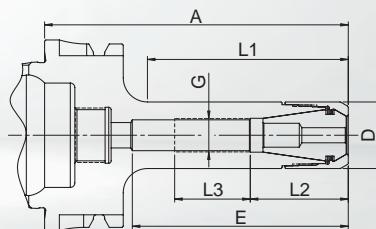
www.fahrion.com/downloads/forms

Slim Version with Mini Clamping Nut



AD

G 2,5
25.000
resp.
U≤1gmm



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 1-7 mm - Collets GERC11								
MPC11-HSK-A63-A=70	61161340705	■	16	70	48	34	19	20
MPC11-HSK-A63-A=100	61161341005	■	16	100	78	64	19	25
MPC11-HSK-A63-A=130	61161341305	■	16	130	108	94	19	20
MPC11-HSK-A63-A=160	61161341605	■	16	160	138	124	19	25
Clamping Range Ø 1-10 mm - Collets GERC16								
MPC16-HSK-A63-A=70	61163340705	■	22	70	47	39	32	10
MPC16-HSK-A63-A=100	61163341005	■	22	100	71	66	32	25
MPC16-HSK-A63-A=130	61163341305	■	22	130	102	96	32	28
MPC16-HSK-A63-A=160	61163341605	□	22	160	97	122	32	30

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 60ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable
Stop Screws



Page 86

Coolant Supply
Tubes and Wrenches



Page 86

MPC MINI PRECISION CHUCKS

DIN 69893-1/ISO 12164-1

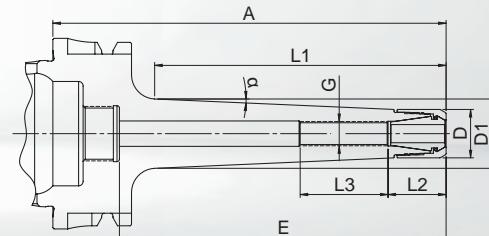
HSK-A63
MPC



AD

G 2,5
25.000
resp.
U≤1gmm

Tapered Version with Mini Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	D1	α	L1	L2	L3	G
Clamping Range Ø 1-7 mm - Collets GERC11										
MPC11C-HSK-A63-A=100	61161331005	<input type="checkbox"/>	16	100	78	21	2,5°	66	19	35
MPC11C-HSK-A63-A=130	61161331305	<input type="checkbox"/>	16	130	100	23	2,5°	96	19	35
MPC11C-HSK-A63-A=160	61161331605	<input type="checkbox"/>	16	160	138	25,5	2,5°	127	19	35
Clamping Range Ø 1-10 mm - Collets GERC16										
MPC16C-HSK-A63-A=100	61163331005	<input type="checkbox"/>	22	100	71	26,5	2,5°	69	32	37
MPC16C-HSK-A63-A=130	61163331305	<input type="checkbox"/>	22	130	102	28,5	2,5°	99	32	37
MPC16C-HSK-A63-A=160	61163331605	<input type="checkbox"/>	22	160	97	31,5	2,5°	129	32	37

Delivery Availability: from Stock on Short Notice on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 60ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Coolant Supply Tubes and Wrenches



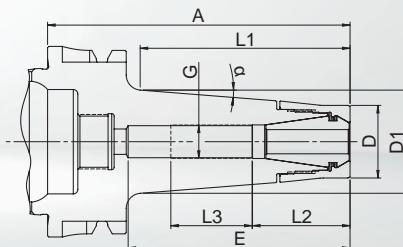
Page 86

Tapered Version with Tapered Clamping Nut



AD

G 2,5
25.000
resp.
U≤1mm



Description	Order-No.	D = Wrench Ø	A	E	D1	α	L1	L2	L3	G
Clamping Range Ø 1-10 mm - Collets GER C16										
MPC16T-HSK-A63-A=100	61163321005	■	24	100	75	34,5	4,5°	67	32	27
MPC16T-HSK-A63-A=160	61163321605	■	24	160	107	36	2,5°	127	32	27

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 62ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Coolant Supply Tubes and Wrenches



Page 86

DPC DYNAMIC PERFORMANCE CHUCKS

DIN 69893-1/ISO 12164-1

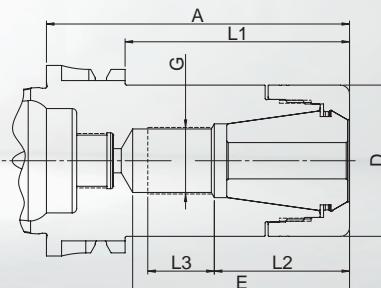
HSK-A63
PCP



AD

G 2,5
25.000
resp.
U≤1gmm

Stable Version with Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 1-10 mm - Collets GERC16								
DPC16-HSK-A63-A=55	63163300555	■	30	55	32	26,5	---	---
DPC16-HSK-A63-A=100	63163301005	■	30	100	71	64	32	25
DPC16-HSK-A63-A=130	63163301305	■	30	130	97	94	32	28
DPC16-HSK-A63-A=160	63163301605	■	30	160	107	124	32	25
DPC16-HSK-A63-A=200	63163302005	□	30	200	137	164	32	25
Clamping Range Ø 1-13 mm - Collets GERC20								
DPC20-HSK-A63-A=60	63164300605	□	32	60	34,5	33	---	---
DPC20-HSK-A63-A=100	63164301005	□	32	100	74	68	36	22
Clamping Range Ø 1-16 mm - Collets GERC25								
DPC25-HSK-A63-A=60	63165300605	■	40	60	37	28	---	---
DPC25-HSK-A63-A=100	63165301005	■	40	100	71	68	43	23
DPC25-HSK-A63-A=130	63165301305	■	40	130	89	98	43	28
DPC25-HSK-A63-A=160	63165301605	■	40	160	104	128	43	35
DPC25-HSK-A63-A=200	63165302005	□	40	200	149	168	43	35
Clamping Range Ø 2-20 mm - Collets GERC32								
DPC32-HSK-A63-A=70	63166300705	■	50	70	45	44	---	---
DPC32-HSK-A63-A=100	63166301005	■	50	100	72	73	45	22
DPC32-HSK-A63-A=130	63166301305	■	50	130	102	103	45	35
DPC32-HSK-A63-A=160	63166301605	■	50	160	130	133	48	40

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 62ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Coolant Supply Tubes and Wrenches



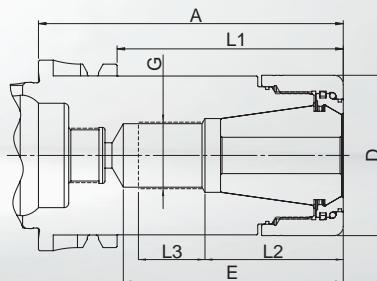
Page 86



AD

G 2,5
25.000
resp.
U≤1mm

Chuck for Roughing with Multi-Piece Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 2-20 mm - Collets GERC32								
UPC32-HSK-A63-A=70	67166300705	■	53	70	45	43	---	---
UPC32-HSK-A63-A=100	67166301005	■	53	100	72	74	45	22 M22x1,5
Clamping Range Ø 3-26 mm - Collets GERC40								
UPC40-HSK-A63-A=80	67167300805	☒	63	80	55	53	---	---

Delivery Availability: ■ from Stock ☒ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Wrenches



Mounting Devices



Adjustable Stop Screws



Coolant Supply Tubes and Wrenches



Page 74ff

Page 84

Page 85

Page 86

Page 86

UPC ULTRA POWER CHUCKS

DIN 69893-1/ISO 12164-1

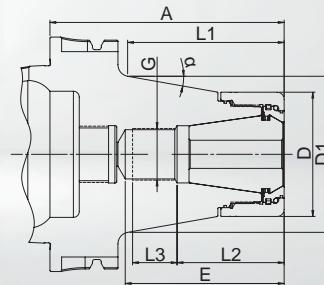
HSK-A100
UPC



AD

G 2,5
25.000
resp.
U≤1gmm

Tapered Chuck for Roughing with Multi-Piece Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	D1	α	L1	L2	L3	G
Clamping Range Ø 2-20 mm - Collets GERC32										
UPC32C-HSK-A100-A=100	67186311005	■	53	100	68	66,5	10°	66	45	19 M22x1,5
Clamping Range Ø 3-26 mm - Collets GERC40										
UPC40C-HSK-A100-A=100	67187311005	☒	63	100	65	75,5	10°	66,5	---	---

Delivery Availability: ■ from Stock ☒ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Wrenches



Mounting Devices



Adjustable
Stop Screws



Coolant Supply
Tubes and Wrenches



Page 74ff

Page 84

Page 85

Page 86

Page 86

HSK-E25

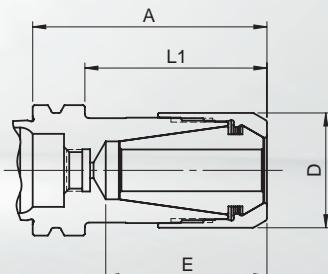
MPC

MPC MINI PRECISION CHUCKS

DIN 69893-5



Slim Version with Mini Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 1-10 mm - Collets GER C16								
MPC16-HSK-E25-A=45	61323340455	■ from Stock	22	45	30	34	---	---

Delivery Availability: ■ from Stock on Short Notice on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25
Max. permissible Speed 60.000 r.p.m.

Suitable Accessories

Collets



Page 62ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Coolant Supply Tubes and Wrenches



Page 86

MPC MINI PRECISION CHUCKS

DIN 69893-5

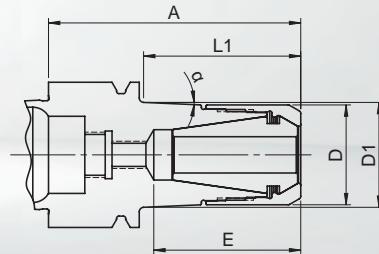
HSK-E32
MPC



AD

G 2,5
25.000
resp.
U≤1gmm

Tapered Version with Mini Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	D1	α	L1	L2	L3	G
Clamping Range Ø 1-10 mm - Collets GERC16										
MPC16C-HSK-E32-A=55	61333330555	■	22	55	41	23,2	4,5°	34	---	---

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25
Max. permissible Speed 50.000 r.p.m.

Suitable Accessories

Collets



Page 62ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Coolant Supply Tubes and Wrenches



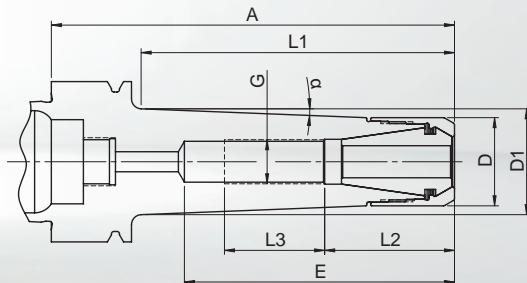
Page 86



AD

G 2,5
25.000
resp.
U≤1mm

Tapered Version with Mini Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	D1	α	L1	L2	L3	G
Clamping Range Ø 1-7 mm - Collets GERC11										
MPC11C-HSK-E40-A=50	61341330505	■	16	50	31	17	4,5°	22,5	19	10
MPC11C-HSK-E40-A=100	61341331005	■	16	100	65	25,5	4,5°	75,5	19	25
Clamping Range Ø 1-10 mm - Collets GERC16										
MPC16C-HSK-E40-A=55	61343330555	■	22	55	32	23,5	4,5°	31,5	---	---
MPC16C-HSK-E40-A=100	61343331005	■	22	100	67	26	2,5°	78	32	25
M11x1										

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25
Max. permissible Speed 40.000 r.p.m.

Suitable Accessories

Collets



Page 60ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Coolant Supply Tubes and Wrenches



Page 86

DPC DYNAMIC PERFORMANCE CHUCKS

ISO 26623-1

C6
DPC

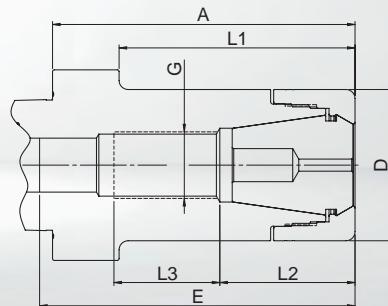


Stable Version with Clamping Nut



AD

G 2,5
25.000
resp.
U≤1gmm



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 1-10 mm - Collets GERC16								
DPC16-C6-A=60	62863300605	<input type="checkbox"/>	30	60	56	33	---	---
DPC16-C6-A=100	62863301005	<input checked="" type="checkbox"/>	30	100	90	73	32	30 M11x1
Clamping Range Ø 1-13 mm - Collets GERC20								
DPC20-C6-A=60	62864300605	<input type="checkbox"/>	32	60	56	37	---	---
DPC20-C6-A=100	62864301005	<input type="checkbox"/>	32	100	80	77	36	35 M14x1
Clamping Range Ø 1-16 mm - Collets GERC25								
DPC25-C6-A=60	62865300605	<input checked="" type="checkbox"/>	40	60	56	35	---	---
DPC25-C6-A=100	62865301005	<input checked="" type="checkbox"/>	40	100	83	75	43	35 M18x1,5
DPC25-C6-A=130	62865301305	<input checked="" type="checkbox"/>	40	130	125	105	43	35 M18x1,5
DPC25-C6-A=160	62865301605	<input type="checkbox"/>	40	160	140	135	43	35 M18x1,5
Clamping Range Ø 2-20 mm - Collets GERC32								
DPC32-C6-A=60	62866300605	<input checked="" type="checkbox"/>	50	60	56	35	---	---
DPC32-C6-A=100	62866301005	<input checked="" type="checkbox"/>	50	100	84	75	44	35 M22x1,5
DPC32-C6-A=130	62866301305	<input checked="" type="checkbox"/>	50	130	98	104	44	30 M22x1,5

Delivery Availability: from Stock on Short Notice on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Wrenches



Mounting Devices



Adjustable Stop Screws



Page 62ff

Page 84

Page 85

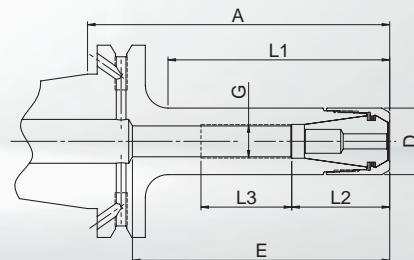
Page 86



AD/B

**G 2,5
25.000
resp.
U≤1gmm**

Slim Version with Mini Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 1-7 mm - Collets GERC11								
MPC11-B40-A=70	60241340705	■	16	70	60	41	19	20
MPC11-B40-A=100	60241341005	■	16	100	80	71	19	20
MPC11-B40-A=130	60241341305	□	16	130	110	101	19	25
MPC11-B40-A=160	60241341605	■	16	160	140	131	19	30
Clamping Range Ø 1-10 mm - Collets GERC16								
MPC16-B40-A=70	60243340705	■	22	70	100	45	32	20
MPC16-B40-A=100	60243341005	■	22	100	100	73	32	30
MPC16-B40-A=130	60243341305	■	22	130	130	100	32	25
MPC16-B40-A=160	60243341605	■	22	160	140	130	32	30

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Wrenches



Mounting Devices



Adjustable Stop Screws



Pull Studs



Page 60ff

Page 84

Page 85

Page 86

Page 87ff

MPC MINI PRECISION CHUCKS

DIN 69871-1 (DIN ISO 7388-1)

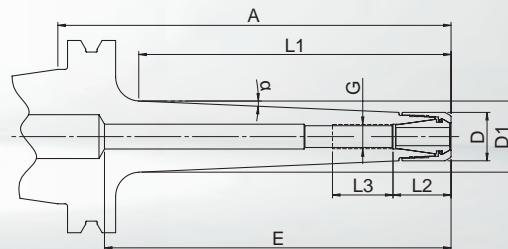
SK40
MPC



AD

G 2,5
25.000
resp.
U≤1gmm

Tapered Version with Mini Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	D1	α	L1	L2	L3	G
Clamping Range Ø 1-7 mm - Collets GERC11										
MPC11C-AD40-A=100	60141331005	<input type="checkbox"/>	16	100	100	21	2,5°	73	19	35
MPC11C-AD40-A=130	60141331305	<input type="checkbox"/>	16	130	100	23,5	2,5°	103	19	35
MPC11C-AD40-A=160	60141331605	<input type="checkbox"/>	16	160	130	26	2,5°	133	19	35
Clamping Range Ø 1-10 mm - Collets GERC16										
MPC16C-AD40-A=100	60143331005	<input type="checkbox"/>	22	100	80	27	2,5°	76	32	35
MPC16C-AD40-A=130	60143331305	<input type="checkbox"/>	22	130	110	29	2,5°	106	32	35
MPC16C-AD40-A=160	60143331605	<input type="checkbox"/>	22	160	130	32	2,5°	136	32	35

Delivery Availability: from Stock on Short Notice on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 60ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Pull Studs



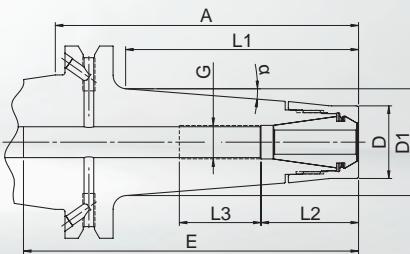
Page 87ff



AD/B

**G 2,5
25.000
resp.
U≤1mm**

Tapered Version with Tapered Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	D1	α	L1	L2	L3	G
Clamping Range Ø 1-10 mm - Collets GER C16										
MPC16T-B40-A=100	60243321005	■	24	100	68	35	4,5°	77	32	25
MPC16T-B40-A=160	60243321605	□	24	160	130	37	2,5°	137	32	25

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 62ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable
Stop Screws



Page 86

Pull Studs



Page 87ff

DPC DYNAMIC PERFORMANCE CHUCKS

DIN 69871-1 (DIN ISO 7388-1)

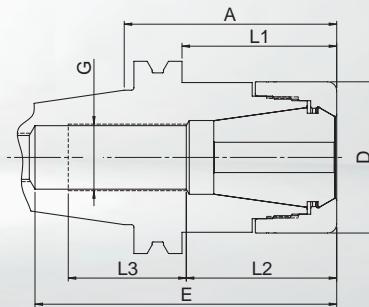
SK40
PCP



AD

G 2,5
25.000
resp.
U≤1mm

Stable Version with Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 1-10 mm - Collets GERC16								
DPC16-AD40-A=70	62143300705	■	30	70	100	43,5	32	M11x1
DPC16-AD40-A=100	62143301005	■	30	100	130	73,5	32	M11x1
DPC16-AD40-A=130	62143301305	■	30	130	160	103,5	32	M11x1
DPC16-AD40-A=160	62143301605	□	30	160	180	133,5	32	M11x1
Clamping Range Ø 1-13 mm - Collets GERC20								
DPC20-AD40-A=70	62144300705	□	32	70	100	46	36	M14x1
DPC20-AD40-A=130	62144301305	□	32	130	150	105	36	M14x1
Clamping Range Ø 1-16 mm - Collets GERC25								
DPC25-AD40-A=45	62145300455	■	40	45	80	26	43	M18x1,5
DPC25-AD40-A=70	62145300705	■	40	70	110	48,5	45	M18x1,5
DPC25-AD40-A=100	62145301005	■	40	100	130	79	45	M18x1,5
DPC25-AD40-A=130	62145301305	■	40	130	135	109	43	M18x1,5
DPC25-AD40-A=160	62145301605	□	40	160	115	139	43	M18x1,5
Clamping Range Ø 2-20 mm - Collets GERC32								
DPC32-AD40-A=50	62146300505	■	50	50	84	31	48	M22x1,5
DPC32-AD40-A=70	62146300705	■	50	70	99	51	48	M22x1,5
DPC32-AD40-A=100	62146301005	■	50	100	114	81	45	M22x1,5
DPC32-AD40-A=130	62146301305	□	50	130	114	111	45	M22x1,5
DPC32-AD40-A=160	62146301605	□	50	160	149	141	45	M22x1,5

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories

Chuck Configurator see Pages 24/25

Form AD/B on Request

Suitable Accessories

Collets



Page 62ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Pull Studs



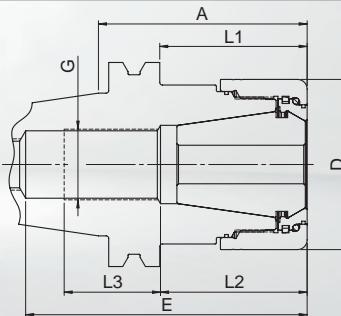
Page 87ff



AD

G 2,5
25.000
resp.
U≤1gmm

Chuck for Roughing with Multi-Piece Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 2-20 mm - Collets GERC32								
UPC32-AD40-A=65	66146300655	■	53	65	87	45	45	30
Clamping Range Ø 3-26 mm - Collets GERC40								
UPC40-AD40-A=70	66147300705	☒	63	70	83	50	50	27

Delivery Availability: ■ from Stock ☒ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 74ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Pull Studs



Page 87ff

UPC ULTRA POWER CHUCKS

DIN 69871-1 (DIN ISO 7388-1)

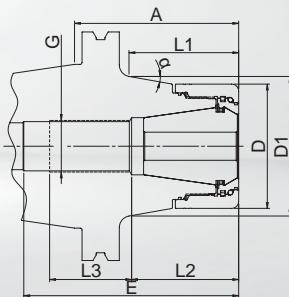
SK50
UPC



AD

G 2,5
25.000
resp.
U≤1gmm

Tapered Chuck for Roughing with Multi-Piece Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	D1	α	L1	L2	L3	G
Clamping Range Ø 2-20 mm - Collets GERC32										
UPC32C-AD50-A=70	66166310705	■	53	70	91	59,5	10°	46,5	45,5	35 M22x1,5
Clamping Range Ø 3-26 mm - Collets GERC40										
UPC40C-AD50-A=70	66167310705	☒	63	70	93	68	10°	46,5	56	30 M28x1,5

Delivery Availability: ■ from Stock ☒ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Wrenches



Mounting Devices



Adjustable Stop Screws



Pull Studs



Page 74ff

Page 84

Page 85

Page 86

Page 87ff

BT30
MPC

MPC MINI PRECISION CHUCKS

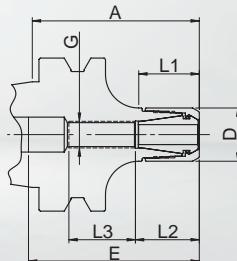
JIS B 6339 (DIN ISO 7388-2)



AD

G 2,5
25.000
resp.
U≤1gmm

Slim Version with Mini Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 1-7 mm - Collets GERC11								
MPC11-BT30-A=50	60421340505	■	16	50	70	18	19	20
MPC11-BT30-A=100	60421341005	■	16	100	120	68	19	20

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

BT

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 60ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Pull Studs



Page 88ff

DPC DYNAMIC PERFORMANCE CHUCKS

JIS B 6339 (DIN ISO 7388-2)

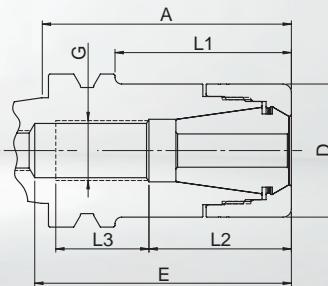
BT30
PCP



AD

G 2,5
25.000
resp.
U≤1gmm

Stable Version with Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 1-10 mm - Collets GERC16								
DPC16-BT30-A=50	62423300505	■	30	50	70	24	32	M11x1
DPC16-BT30-A=60	62423300605	□	30	60	80	33	32	M11x1
DPC16-BT30-A=75	62423300755	■	30	75	95	48	32	M11x1
DPC16-BT30-A=90	62423300905	□	30	90	110	63	32	M11x1
DPC16-BT30-A=105	62423301055	□	30	105	120	73	32	M11x1
DPC16-BT30-A=120	62423301205	□	30	120	95	93	32	M11x1
Clamping Range Ø 1-13 mm - Collets GERC20								
DPC20-BT30-A=60	62424300605	□	32	60	65	35	36	M14x1
DPC20-BT30-A=75	62424300755	□	32	75	65	50	36	M14x1
DPC20-BT30-A=90	62424300905	□	32	90	80	65	36	M14x1
Clamping Range Ø 1-16 mm - Collets GERC25								
DPC25-BT30-A=60	62425300605	■	40	60	77	36	42	M18x1,5
DPC25-BT30-A=75	62425300755	□	40	75	77	51	42	M18x1,5
DPC25-BT30-A=90	62425300905	□	40	90	87	66	42	M18x1,5
DPC25-BT30-A=120	62425301205	□	40	120	112	96	42	M18x1,5
Clamping Range Ø 2-20 mm - Collets GERC32								
DPC32-BT30-A=60	62426300605	■	50	60	63	38	46	M22x1,5
DPC32-BT30-A=75	62426300755	□	50	75	80	53	46	M22x1,5
DPC32-BT30-A=90	62426300905	□	50	90	90	68	46	M22x1,5

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 62ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Pull Studs



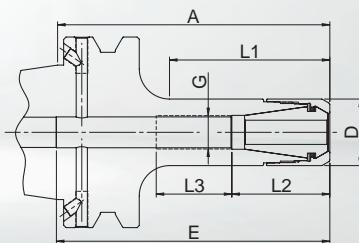
Page 88ff



AD/B

**G 2,5
25.000
resp.
U≤1gmm**

Slim Version with Mini Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 1-7 mm - Collets GERC11								
MPC11-BTB40-A=75	60541340755	■	16	75	105	38	19	20
MPC11-BTB40-A=100	60541341005	■	16	100	130	63	19	30
MPC11-BTB40-A=120	60541341205	□	16	120	150	83	19	20
Clamping Range Ø 1-10 mm - Collets GERC16								
MPC16-BTB40-A=75	60543340755	□	22	75	110	38	32	25
MPC16-BTB40-A=90	60543340905	■	22	90	120	53	32	25
MPC16-BTB40-A=120	60543341205	■	22	120	105	83	32	25

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Wrenches



Mounting Devices



Adjustable Stop Screws



Pull Studs



Page 60ff

Page 84

Page 85

Page 86

Page 88ff

MPC MINI PRECISION CHUCKS

JIS B 6339 (DIN ISO 7388-2)

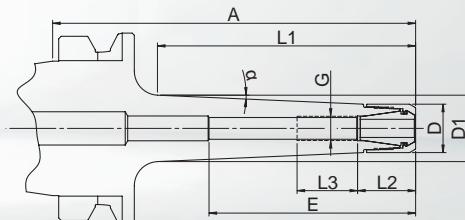
BT40
MPC



AD

G 2,5
25.000
resp.
U≤1gmm

Tapered Version with Mini Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	D1	α	L1	L2	L3	G	
Clamping Range Ø 1-7 mm - Collets GERC11											
MPC11C-BT40-A=100	60441331005	<input type="checkbox"/>	16	100	130	20	2,5°	63	19	30	M8x1
MPC11C-BT40-A=120	60441331205	<input type="checkbox"/>	16	120	150	22	2,5°	85	19	30	M8x1
MPC11C-BT40-A=160	60441331605	<input type="checkbox"/>	16	160	170	26	2,5°	125	19	30	M8x1
Clamping Range Ø 1-10 mm - Collets GERC16											
MPC16C-BT40-A=100	60443331005	<input type="checkbox"/>	22	100	130	26	2,5°	68	32	35	M11x1
MPC16C-BT40-A=120	60443331205	<input type="checkbox"/>	22	120	150	28	2,5°	88	32	35	M11x1
MPC16C-BT40-A=160	60443331605	<input type="checkbox"/>	22	160	180	31,5	2,5°	128	32	35	M11x1

Delivery Availability: from Stock on Short Notice on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Wrenches



Mounting Devices



Adjustable Stop Screws



Pull Studs



Page 60ff

Page 84

Page 85

Page 86

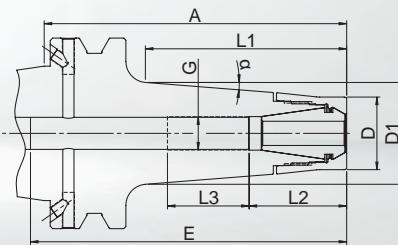
Page 88ff



AD/B

G 2,5
25.000
resp.
U≤1gmm

Tapered Version with Tapered Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	D1	α	L1	L2	L3	G
Clamping Range Ø 1-10 mm - Collets GERC16										
MPC16T-BTB40-A=100	60543321005	<input checked="" type="checkbox"/>	24	100	130	34	4,5°	68	32	27
MPC16T-BTB40-A=160	60543321605	<input checked="" type="checkbox"/>	24	160	190	44	4,5°	128	32	27

Delivery Availability: from Stock on Short Notice on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 62ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Pull Studs



Page 88ff

DPC DYNAMIC PERFORMANCE CHUCKS

JIS B 6339 (DIN ISO 7388-2)

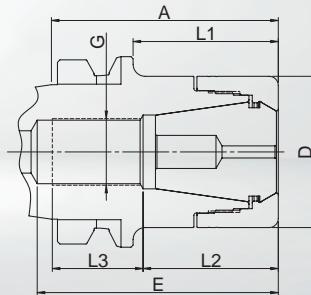
BT40
PCP



AD

G 2,5
25.000
resp.
U≤1gmm

Stable Version with Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 1-10 mm - Collets GER C16								
DPC16-BT40-A=75	62443300755	■	30	75	100	38	32	M11x1
DPC16-BT40-A=90	62443300905	■	30	90	120	53	32	M11x1
DPC16-BT40-A=105	62443301055	□	30	105	130	68	32	M11x1
DPC16-BT40-A=120	62443301205	□	30	120	150	83	32	M11x1
DPC16-BT40-A=150	62443301505	□	30	150	180	113	32	M11x1
Clamping Range Ø 1-16 mm - Collets GER C25								
DPC25-BT40-A=60	62445300605	□	40	60	82	28	42	M18x1,5
DPC25-BT40-A=75	62445300755	■	40	75	90	43	42	M18x1,5
DPC25-BT40-A=90	62445300905	■	40	90	95	58	42	M18x1,5
DPC25-BT40-A=105	62445301055	□	40	105	95	73	42	M18x1,5
DPC25-BT40-A=120	62445301205	□	40	120	100	88	42	M18x1,5
DPC25-BT40-A=150	62445301505	□	40	150	125	118	42	M18x1,5
Clamping Range Ø 2-20 mm - Collets GER C32								
DPC32-BT40-A=60	62446300605	■	50	60	80	29	45	M22x1,5
DPC32-BT40-A=75	62446300755	■	50	75	98	44	45	M22x1,5
DPC32-BT40-A=90	62446300905	■	50	90	98	59	45	M22x1,5
DPC32-BT40-A=105	62446301055	□	50	105	125	74	45	M22x1,5
DPC32-BT40-A=120	62446301205	□	50	120	110	89	45	M22x1,5
DPC32-BT40-A=150	62446301505	□	50	150	140	119	45	M22x1,5

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 62ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Pull Studs



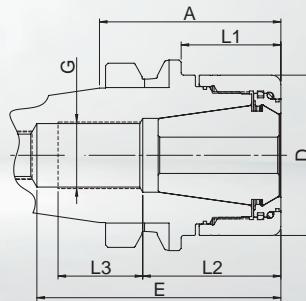
Page 88ff



AD

G 2,5
25.000
resp.
U≤1gmm

Chuck for Roughing with Multi-Piece Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	L1	L2	L3	G
Clamping Range Ø 2-20 mm - Collets GERC32								
UPC32-BT40-A=60	66446300605	■	53	60	80	32	45	28 M22x1,5
Clamping Range Ø 3-26 mm - Collets GERC40								
UPC40-BT40-A=75	66447300755	☒	63	75	84	47	56	21 M28x1,5

Delivery Availability: ■ from Stock ☒ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 74ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Pull Studs



Page 88ff

UPC ULTRA POWER CHUCKS

JIS B 6339 (DIN ISO 7388-2)

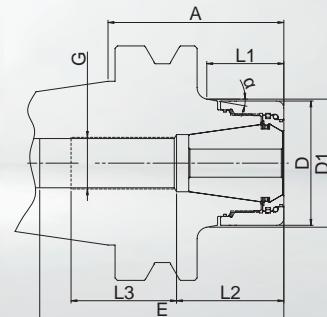
BT50
UPC



AD

G 2,5
25.000
resp.
U≤1gmm

Tapered Chuck for Roughing with Multi-Piece Clamping Nut



Description	Order-No.	D = Wrench Ø	A	E	D1	α	L1	L2	L3	G
Clamping Range Ø 2-20 mm - Collets GERC32										
UPC32C-BT50-A=75	66466310755	■	53	75	114	55	10°	33	45	45 M22x1,5
Clamping Range Ø 3-26 mm - Collets GERC40										
UPC40C-BT50-A=75	66467310755	☒	63	75	95	64	10°	32,5	56	30 M28x1,5
UPC40C-BT50-A=105	66467311055	☒	63	105	95	74,5	10°	62	56	30 M28x1,5

Delivery Availability: ■ from Stock ☒ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories
Chuck Configurator see Pages 24/25

Suitable Accessories

Collets



Page 74ff

Wrenches



Page 84

Mounting Devices



Page 85

Adjustable Stop Screws



Page 86

Pull Studs

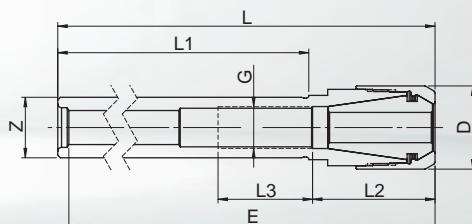


Page 88ff



AD

Tool Extension with Mini Clamping Nut



Description	Order-No.	D = Wrench Ø	Z	E	L	L1	L2	L3	G
Clamping Range Ø 1-5 mm - Collets GERC8									
MPC8-Z10-L=150	60010341505	■	10	10	16	150	138	---	---
Clamping Range Ø 1-7 mm - Collets GERC11									
MPC11-Z16-L=150	60031341505	■	16	16	68	150	133	20	25
Clamping Range Ø 1-10 mm - Collets GERC16									
MPC16-Z16-L=150	60033341505	■	22	16	68	150	117	32	25
M11x1									

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

Delivery – with Clamping Nut, without Accessories

Suitable Accessories

Collets

Wrenches

Adjustable Stop Screws



Page 58ff

Page 84

Page 85

COLLETS



GERC – A CLASS OF ITS OWN



Rust on collets reduces the life of your tools and leads to significant losses in precision. That's why we have developed FAHRION | Protect. A ground-breaking technology that protects collets from corrosion in the long term.

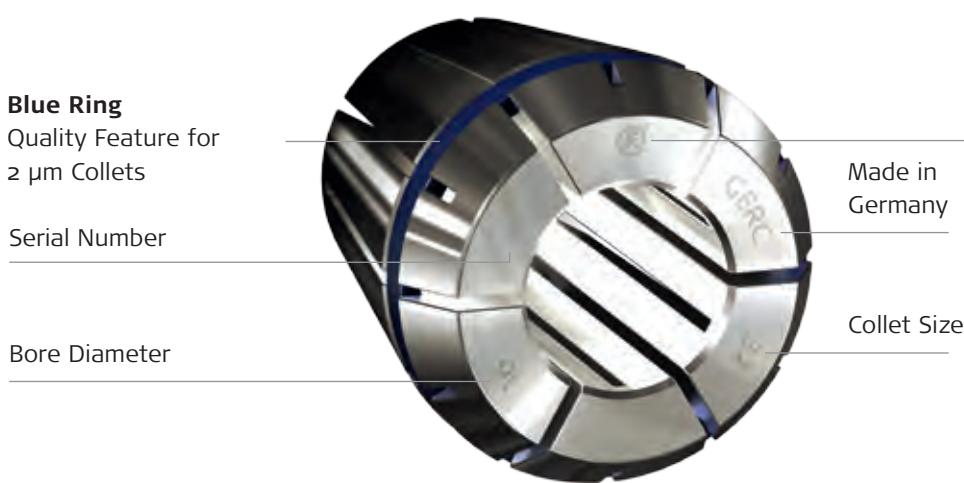
- The nominal geometry between the collet and the taper seat in the chuck is maintained for long lasting and precision surface contact without corrosion-related irregularities.
- During manufacturing, the parts hold specified tolerances even longer; the number of quality parts increases.
- You can keep production processes on a high level for longer, you save time and you can also guarantee short delivery terms.
- A higher concentricity extends the service life of your tools. Thus, you save time and money by reducing set-up times.
- Collets have to be replaced less frequently or can be used longer for precision applications.



With and without FAHRION | Protect – after four months of normal use



This Shows you the Performance and Characteristic of the Collets



The FAHRION Quality Mark for Tested Quality

Higher tool service life, lower tool costs and lower set-up times
= Lower production costs
= Better surface quality and tighter manufacturing tolerances
= Better quality

Advantages of FAHRION Collets DIN ISO 15488 - GERC-B and GERC-HP (ER/ESX)

Precise

FAHRION Collets DIN ISO 15488-B (ER/ESX) set the standard of concentricity and repeatability, which is 5µm for the types GERC11-B up to GERC40-B and 2µm for the types GERC11-HP up to GERC40-HP.

Rigid

12 slots are sufficient in order to reach the required collapse to DIN ISO 15488. This is possible because of special steel produced for us and a particular harmonised heat treatment. Compared to 16 slot collets, our collets have fewer tendencies to distort.

Saving

All edges are not only deburred, but additionally rounded, which is a prerequisite to protect the inner cone of the collet chuck from marks. This process is important to guarantee a consistent repeatable high level of accuracy.

Due to its super-finished design, FAHRION | Protect achieves increased holding power and rigidity, higher load-bearing capacity, higher system accuracy and higher corrosion resistance in GERC-B and GERC-HP

Powerful

The defined increased surface roughness of the clamping bore, combined with the optimised grinding pattern, ensure significantly higher retaining forces compared to standard collets.



Not only are the slots deburred on all sides, but the collets also have an average roughness depth of the Rz surface area = 1.6 µm

THE NEW WEDGE COLLET GERC-WD

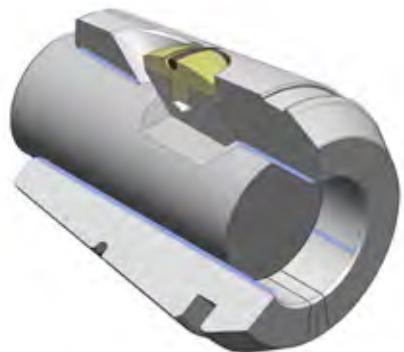
Uncompromising Safety During Milling



No more extraction or micro-creeping of your tool from now on – 100% guaranteed. The solution is as simple as it is ingenious. It is an integrated wedge that rests on the Weldon surface. The user can be certain that no costly damage to the workpiece occurs, even by overloading the system of milling machine, spindle, chuck and tool.

Higher Clamping Forces

When clamping, the wedge always lies against the slope to the Weldon surface and thus creates a positive lock without radially displacing the tool. The tool shank is clamped extensively on three lines, making it perfectly centered and allowing for larger clamping forces (with shank tolerances up to h9).



The three clamping lines on the tool (blue) centre the tool shank and generate impressive clamping forces as well as for optimum concentricity.

Easy Handling

For assembly, you only have to insert the tool (1) until the wedge locks into place.

For disassembly, the tool is briefly inserted further (2), turned (3) and pulled out (4).



The pin pressure spring is locked in the receptor. The spring applies axial pressure on the tool to preload surface contact between the Weldon and locking wedge.



Optimal Damping

When using the **Wedge Collet GERC-WD** together with the **UPC Ultra Power Chuck**, very good damping properties are achieved. The additional damping successfully reduces vibration in the milling process and protects the spindle bearings, significantly increasing the availability of the milling machine.

Higher Service Life

Better tool concentricity increases the service life of your tools. Your tool budget will thank you.

ABSOLUTELY TOP OF THE RANGE



The Features of Collets DIN ISO 15488 GERC-HP, GERC-HPD, GERC-HPDD, GERC-WD

Shape/Use	GERC-HP	GERC-HPD	GERC-HPDD	GERC-WD
	Standard	Sealed	Sealed with Jet Holes	Pull-Out Protection
Standard Collet Chuck	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Precision Collet Chuck CENTRO P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ultra Power Chuck UPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dynamic Power Chuck DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mini Precision Chuck MPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Concentricity, e.g. Ø 12.0 mm	2 µm	2 µm	2 µm	3 µm
Repeatability	2 µm	2 µm	2 µm	3 µm
Tool Shank Tolerance	h10	h8	h8	h8
Through Tool Coolant	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Use: preferred limited unusable

FLEXIBLE AND PRECISE



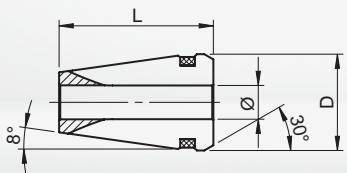
The Features of Collets DIN ISO 15488 GERC-B, GERC-BD, GERC-GBD, GERC-GBDD

Shape/Use	GERC-B	GERC-BD	GERC-GBD	GERC-GBDD
	Standard	Sealed	Sealed for Taps	Sealed with Jet Holes for Taps
Standard Collet Chuck	■	■	■	■
Precision Collet Chuck CENTRO P	□	■	■	■
Ultra Power Chuck UPC	□	■	■	■
Dynamic Power Chuck DPC	□	■	■	■
Mini Precision Chuck MPC	□	■	■	■
Concentricity, e.g. Ø 12.0 mm	5 µm	5 µm	10 µm	10 µm
Repeatability	3 µm	3 µm	5 µm	5 µm
Tool Shank Tolerance	h10	h8	h8	h8
Through Tool Coolant	□	■	■	□

Use: ■ preferred □ limited □ unusable

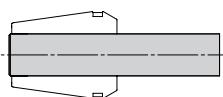


High Precision Collets 5 µm



GERC8-HP Ø 1-5 mm

Standard



<input type="checkbox"/> =	5 µm		
D =	8,5		
L =	13,6		
Ø mm	Order-No.	Ø inch	Order-No.
1,0	13610010100	■	1/16" 13610040159 <input checked="" type="checkbox"/>
1,5	13610010150	■	1/8" 13610040318 <input checked="" type="checkbox"/>
2,0	13610010200	■	3/16" 13610040476 <input checked="" type="checkbox"/>
2,5	13610010250	■	
3,0	13610010300	■	
3,5	13610010350	■	
4,0	13610010400	■	
4,5	13610010450	■	
5,0	13610010500	■	

Delivery Availability: ■ from Stock on Short Notice on Request

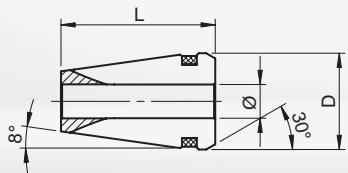
ACCESSORIES FOR CHUCKS

MPC8

GERC8
1-5 mm

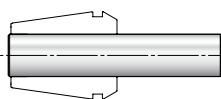


Precision Collets 10 µm



GERC8-B Ø 1-5 mm

Standard



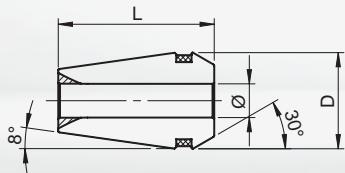
<input type="checkbox"/> =	10 µm		
D =	8,5		
L =	13,6		
Ø mm	Order-No.	Ø inch	Order-No.
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1,5	13710010150	<input checked="" type="checkbox"/>	13710040318
2,0	13710010200	<input checked="" type="checkbox"/>	13710040476
2,5	13710010250	<input checked="" type="checkbox"/>	
3,0	13710010300	<input checked="" type="checkbox"/>	
3,5	13710010350	<input checked="" type="checkbox"/>	
4,0	13710010400	<input checked="" type="checkbox"/>	
4,5	13710010450	<input checked="" type="checkbox"/>	
5,0	13710010500	<input checked="" type="checkbox"/>	

Delivery Availability: from Stock on Short Notice on Request

GERC

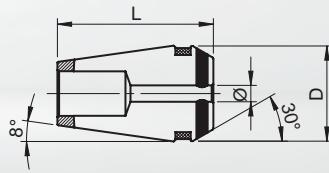
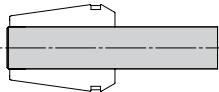


High Precision Collets 2 µm



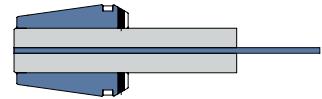
GERC11-HP Ø 1-7 mm

Standard



GERC11-HPD Ø 3-6 mm

Sealed for Inner Coolant Supply



		2 µm					2 µm		
		D =	L =		D =	L =		D =	L =
Ø mm	Order-No.	Ø inch	Order-No.	Ø mm	Order-No.	Ø inch	Order-No.	Ø inch	Order-No.
1,0	13611010100	■	1/16"	13611040159	■	3,0	13621010300	■	1/8"
1,5	13611010150	■	3/32"	13611040238	■	4,0	13621010400	■	3/16"
2,0	13611010200	■	1/8"	13611040318	■	5,0	13621010500	■	1/4"
2,5	13611010250	■	5/32"	13611040397	■	6,0	13621010600	■	
3,0	13611010300	■	3/16"	13611040476	■				
3,5	13611010350	■	7/32"	13611040556	■				
4,0	13611010400	■	1/4"	13611040635	■				
4,5	13611010450	■							
5,0	13611010500	■							
5,5	13611010550	■							
6,0	13611010600	■							
6,5	13611010650	■							
7,0	13611010700	■							

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

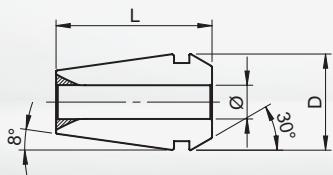
ACCESSORIES FOR CHUCKS

MPC11

GERC11
1-7 mm

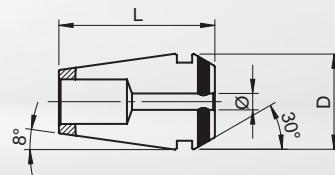
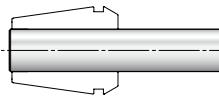


Precision Collets 5 µm



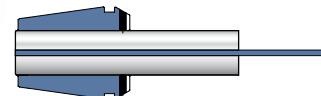
GERC11-**B** Ø 1-7 mm

Standard



GERC11-**BD** Ø 3-6 mm

Sealed for Inner Coolant Supply

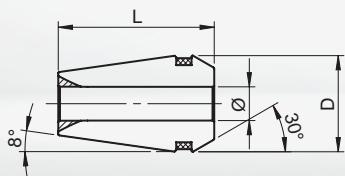


<input type="checkbox"/> =	5 µm			<input type="checkbox"/> =	5 µm			
D =	11,3			D =	11,3			
L =	18			L =	18			
Ø mm	Order-No.	Ø inch	Order-No.	Ø mm	Order-No.	Ø inch	Order-No.	
1,0	13711010100	<input checked="" type="checkbox"/>	1/16"	13711040159	<input checked="" type="checkbox"/>	3,0	13721010300	<input checked="" type="checkbox"/>
1,5	13711010150	<input checked="" type="checkbox"/>	3/32"	13711040238	<input checked="" type="checkbox"/>	4,0	13721010400	<input checked="" type="checkbox"/>
2,0	13711010200	<input checked="" type="checkbox"/>	1/8"	13711040318	<input checked="" type="checkbox"/>	5,0	13721010500	<input checked="" type="checkbox"/>
2,5	13711010250	<input checked="" type="checkbox"/>	5/32"	13711040397	<input checked="" type="checkbox"/>	6,0	13721010600	<input checked="" type="checkbox"/>
3,0	13711010300	<input checked="" type="checkbox"/>	3/16"	13711040476	<input checked="" type="checkbox"/>			
3,5	13711010350	<input checked="" type="checkbox"/>	7/32"	13711040556	<input checked="" type="checkbox"/>			
4,0	13711010400	<input checked="" type="checkbox"/>	1/4"	13711040635	<input checked="" type="checkbox"/>			
4,5	13711010450	<input checked="" type="checkbox"/>						
5,0	13711010500	<input checked="" type="checkbox"/>						
5,5	13711010550	<input checked="" type="checkbox"/>						
6,0	13711010600	<input checked="" type="checkbox"/>						
6,5	13711010650	<input checked="" type="checkbox"/>						
7,0	13711010700	<input checked="" type="checkbox"/>						

Delivery Availability: from Stock on Short Notice on Request

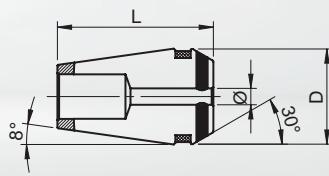
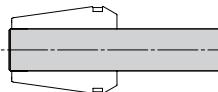


High Precision Collets 2 μm



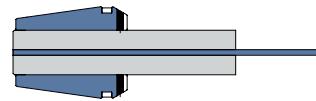
GERC16-HP Ø 1-10 mm

Standard



GERC16-HPD Ø 3-10 mm

Sealed for Inner Coolant Supply



<input checked="" type="checkbox"/> =	2 μm			<input checked="" type="checkbox"/> =	2 μm						
D =	17			D =	17						
L =	27,5			L =	27,5						
Ø mm	Order-No.	Ø mm	Order-No.	Ø mm	Order-No.	Ø inch	Order-No.				
1,0	13613010100	■	4,5	13613010450	■	3,0	13623010300	■	1/8"	13623040318	■
1,1	13613010110	■	5,0	13613010500	■	4,0	13623010400	■	5/32"	13623040397	□
1,2	13613010120	■	5,5	13613010550	■	5,0	13623010500	■	3/16"	13623040476	■
1,3	13613010130	■	5,6	13613010560	■	6,0	13623010600	■	7/32"	13623040556	□
1,4	13613010140	■	6,0	13613010600	■	7,0	13623010700	■	1/4"	13623040635	■
1,5	13613010150	■	6,3	13613010630	■	8,0	13623010800	■	9/32"	13623040714	□
1,6	13613010160	■	6,5	13613010650	■	9,0	13623010900	■	5/16"	13623040794	■
1,7	13613010170	■	7,0	13613010700	■	10,0	13623011000	■	11/32"	13623040873	□
1,8	13613010180	■	7,1	13613010710	■				3/8"	13623040953	■
1,9	13613010190	■	7,5	13613010750	■				13/32"	13623041032	□
2,0	13613010200	■	8,0	13613010800	■						
2,1	13613010210	■	8,5	13613010850	■						
2,2	13613010220	■	9,0	13613010900	■						
2,3	13613010230	■	9,5	13613010950	■						
2,4	13613010240	■	10,0	13613011000	■						
2,5	13613010250	■									
2,6	13613010260	■									
2,7	13613010270	■	Ø inch	Order-No.							
2,8	13613010280	■	1/16"	13613040159	■						
2,9	13613010290	■	3/32"	13613040238	■						
3,0	13613010300	■	1/8"	13613040318	■						
3,1	13613010310	■	5/32"	13613040397	■						
3,2	13613010320	■	3/16"	13613040476	■						
3,3	13613010330	■	7/32"	13613040556	■						
3,4	13613010340	■	1/4"	13613040635	■						
3,5	13613010350	■	9/32"	13613040714	■						
3,6	13613010360	■	5/16"	13613040794	■						
3,7	13613010370	■	11/32"	13613040873	■						
3,8	13613010380	■	3/8"	13613040953	■						
4,0	13613010400	■									

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

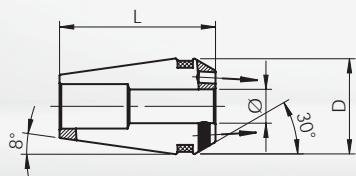
ACCESSORIES FOR CHUCKS

MPC16 | DPC16

GERC16
1-10 mm

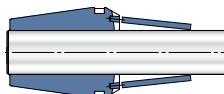


High Precision Collets 2 µm



GERC16-HPDD Ø 4-8 mm

Sealed for Inner Coolant Supply and Jet Holes



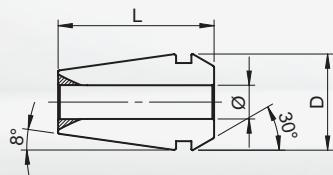
<input checked="" type="checkbox"/> =	2 µm		
D =	17		
L =	27,5		
Ø mm	Order-No.	Ø inch	Order-No.
4,0	13633010400	<input checked="" type="checkbox"/> 1/8"	13633040318 <input type="checkbox"/>
6,0	13633010600	<input checked="" type="checkbox"/> 3/16"	13633040476 <input type="checkbox"/>
8,0	13633010800	<input checked="" type="checkbox"/> 1/4"	13633040635 <input type="checkbox"/>

Delivery Availability: from Stock on Short Notice on Request

GERC

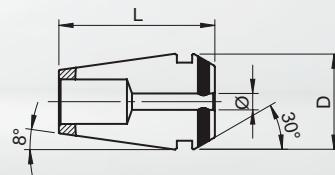
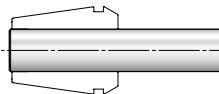


Precision Collets 5 µm



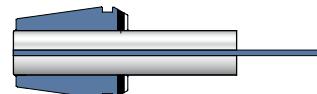
GERC16-B Ø 1-10 mm

Standard



GERC16-BD Ø 3-10 mm

Sealed for Inner Coolant Supply



		5 µm					5 µm				
		D =	L =		D =	L =		D =	L =		
Ø mm	Order-No.	Ø inch	Order-No.	Ø mm	Order-No.	Ø inch	Order-No.	Ø inch	Order-No.		
1,0	13713010100	■	1/16"	13713040159	■	3,0	13723010300	■	1/8"	13723040318	■
1,5	13713010150	■	3/32"	13713040238	■	4,0	13723010400	■	3/16"	13723040476	■
2,0	13713010200	■	1/8"	13713040318	■	5,0	13723010500	■	1/4"	13723040635	■
2,5	13713010250	■	5/32"	13713040397	■	6,0	13723010600	■	5/16"	13723040794	■
3,0	13713010300	■	3/16"	13713040476	■	7,0	13723010700	■	3/8"	13723040953	■
3,5	13713010350	■	7/32"	13713040556	■	8,0	13723010800	■			
4,0	13713010400	■	1/4"	13713040635	■	9,0	13723010900	■			
4,5	13713010450	■	9/32"	13713040714	■	10,0	13723011000	■			
5,0	13713010500	■	5/16"	13713040794	■						
5,5	13713010550	■	11/32"	13713040873	■						
6,0	13713010600	■	3/8"	13713040953	■						
6,5	13713010650	■	13/32"	13713041032	■						
7,0	13713010700	■									
7,5	13713010750	■									
8,0	13713010800	■									
8,5	13713010850	■									
9,0	13713010900	■									
9,5	13713010950	■									
10,0	13713011000	■									

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

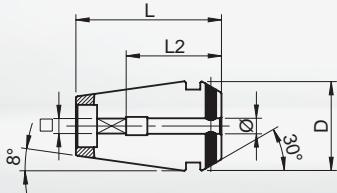
ACCESSORIES FOR CHUCKS

MPC16 | DPC16

GERC16
1-10 mm

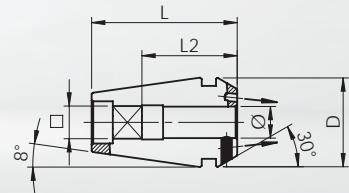
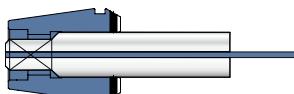


Tap Collets 10 µm



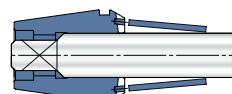
GERC16-GBD Ø 2,8-9 mm

Sealed for Inner Coolant Supply



GERC16-GBDD Ø 3,5-8 mm

Sealed for Inner Coolant Supply and Jet Holes

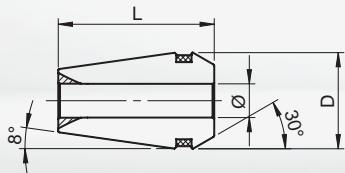


$\square =$	D =	L =	10 µm	$\square =$	D =	L =	10 µm
\emptyset / \square mm	L2		Order-No.	\emptyset / \square mm	L2		Order-No.
2,8/2,1	18		13823010280 <input checked="" type="checkbox"/>	3,5/2,7	18		13833010350 <input type="checkbox"/>
3,5/2,7	18		13823010350 <input type="checkbox"/>	4,5/3,55	18		13833010450 <input type="checkbox"/>
4,0/3,2	18		13823010400 <input checked="" type="checkbox"/>	6,0/5,0	18		13833010600 <input type="checkbox"/>
4,5/3,55	18		13823010450 <input type="checkbox"/>	7,0/5,6	18		13833010700 <input type="checkbox"/>
5,0/4,0	18		13823010500 <input checked="" type="checkbox"/>	8,0/6,3	22		13833010800 <input type="checkbox"/>
5,5/4,5	18		13823010550 <input checked="" type="checkbox"/>				
6,0/5,0	18		13823010600 <input type="checkbox"/>				
6,3/5,0	18		13823010630 <input checked="" type="checkbox"/>				
7,0/5,6	18		13823010700 <input type="checkbox"/>				
7,1/5,6	18		13823010710 <input checked="" type="checkbox"/>				
8,0/6,3	22		13823010800 <input type="checkbox"/>				
9,0/7,1	22		13823010900 <input type="checkbox"/>				

Delivery Availability: from Stock on Short Notice on Request

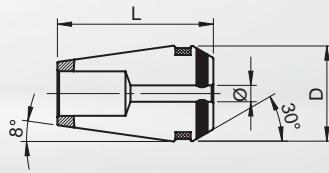
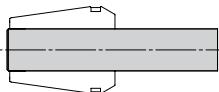


High Precision Collets 2 µm



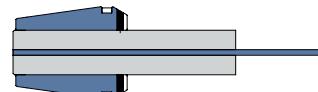
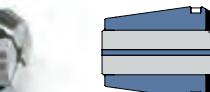
GERC20-HP Ø 1-13 mm

Standard



GERC20-HPD Ø 3-12 mm

Sealed for Inner Coolant Supply



<input checked="" type="checkbox"/> =	2 µm			<input checked="" type="checkbox"/> =	2 µm						
D =	21			D =	21						
L =	31,5			L =	31,5						
Ø mm	Order-No.	Ø mm	Order-No.	Ø mm	Order-No.	Ø inch	Order-No.				
1,0	13614010100	■	10,0	13614011000	■	3,0	13624010300	■	1/8"	13624040318	■
1,5	13614010150	■	10,5	13614011050	■	4,0	13624010400	■	3/16"	13624040476	■
2,0	13614010200	■	11,0	13614011100	■	5,0	13624010500	■	1/4"	13624040635	■
2,5	13614010250	■	11,5	13614011150	■	6,0	13624010600	■	5/16"	13624040794	■
3,0	13614010300	■	12,0	13614011200	■	7,0	13624010700	■	3/8"	13624040953	■
3,5	13614010350	■	12,5	13614011250	■	8,0	13624010800	■	7/16"	13624041111	■
4,0	13614010400	■	13,0	13614011300	■	9,0	13624010900	■	1/2"	13624041270	■
4,5	13614010450	■			10,0	13624011000	■				
5,0	13614010500	■			11,0	13624011100	■				
5,5	13614010550	■	Ø inch	Order-No.	12,0	13624011200	■				
6,0	13614010600	■	1/8"	13614040318	■						
6,5	13614010650	■	3/16"	13614040476	■						
7,0	13614010700	■	1/4"	13614040635	■						
7,5	13614010750	■	5/16"	13614040794	■						
8,0	13614010800	■	3/8"	13614040953	■						
8,5	13614010850	■	7/16"	13614041111	■						
9,0	13614010900	■	1/2"	13614041270	■						
9,5	13614010950	■									

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

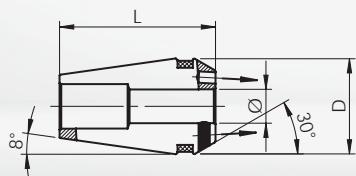
ACCESSORIES FOR CHUCKS

DPC20

GERC20
1-13 mm

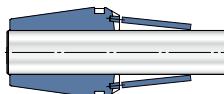


High Precision Collets 2 µm



GERC20-HPDD Ø 4-10 mm

Sealed for Inner Coolant Supply and Jet Holes



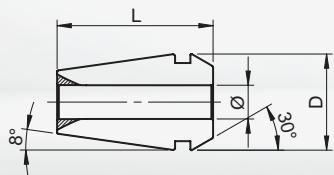
<input checked="" type="checkbox"/> =	2 µm		
D =	21		
L =	31,5		
Ø mm	Order-No.	Ø inch	Order-No.
4,0	13634010400	<input type="checkbox"/> 1/8"	13634040318 <input type="checkbox"/>
6,0	13634010600	<input type="checkbox"/> 3/16"	13634040476 <input type="checkbox"/>
8,0	13634010800	<input type="checkbox"/> 1/4"	13634040635 <input type="checkbox"/>
10,0	13634011000	<input type="checkbox"/> 5/16"	13634040794 <input type="checkbox"/>
		3/8"	13634040953 <input type="checkbox"/>

Delivery Availability: from Stock on Short Notice on Request

GERC

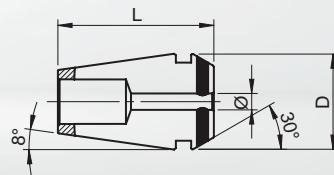
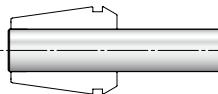


Precision Collets 5 µm



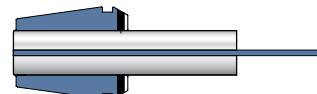
GERC20-B Ø 1-13 mm

Standard



GERC20-BD Ø 3-12 mm

Sealed for Inner Coolant Supply



<input type="checkbox"/> =	5 µm			<input type="checkbox"/> =	5 µm						
D =	21			D =	21						
L =	31,5			L =	31,5						
Ø mm	Order-No.	Ø mm	Order-No.	Ø mm	Order-No.	Ø inch	Order-No.				
1,0	13714010100	■	10,0	13714011000	■	3,0	13724010300	■	1/8"	13724040318	■
1,5	13714010150	■	10,5	13714011050	■	4,0	13724010400	■	3/16"	13724040476	■
2,0	13714010200	■	11,0	13714011100	■	5,0	13724010500	■	1/4"	13724040635	■
2,5	13714010250	■	11,5	13714011150	■	6,0	13724010600	■	5/16"	13724040794	■
3,0	13714010300	■	12,0	13714011200	■	7,0	13724010700	■	3/8"	13724040953	■
3,5	13714010350	■	12,5	13714011250	■	8,0	13724010800	■	7/16"	13724041111	■
4,0	13714010400	■	13,0	13714011300	■	9,0	13724010900	■	1/2"	13724041270	■
4,5	13714010450	■				10,0	13724011000	■			
5,0	13714010500	■				11,0	13724011100	■			
5,5	13714010550	■	Ø inch	Order-No.		12,0	13724011200	■			
6,0	13714010600	■	1/8"	13714040318	■						
6,5	13714010650	■	3/16"	13714040476	■						
7,0	13714010700	■	1/4"	13714040635	■						
7,5	13714010750	■	5/16"	13714040794	■						
8,0	13714010800	■	3/8"	13714040953	■						
8,5	13714010850	■	7/16"	13714041111	■						
9,0	13714010900	■	1/2"	13714041270	■						
9,5	13714010950	■									

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

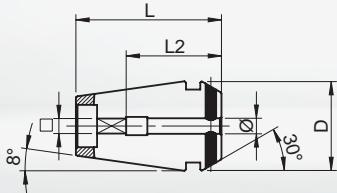
ACCESSORIES FOR CHUCKS

DPC20

GERC20
1-13 mm

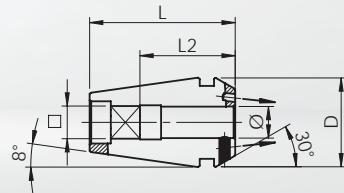
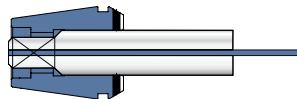


Tap Collets 10 µm



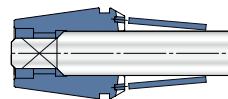
GERC20-GBD Ø 3,5-12 mm

Sealed for Inner Coolant Supply



GERC20-GBDD Ø 4,5-10 mm

Sealed for Inner Coolant Supply and Jet Holes

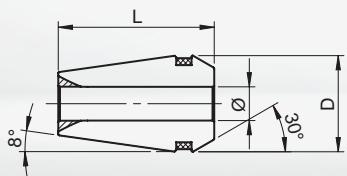


$\square =$	$D =$	$L =$	10 µm	$\square =$	$D =$	$L =$	10 µm
\emptyset / \square mm	L2		Order-No.	\emptyset / \square mm	L2		Order-No.
3,5/2,7	18		13824010350 <input checked="" type="checkbox"/>	4,5/3,55	18		13834010450 <input type="checkbox"/>
4,0/3,2	18		13824010400 <input checked="" type="checkbox"/>	6,0/5,0	18		13834010600 <input type="checkbox"/>
4,5/3,55	18		13824010450 <input checked="" type="checkbox"/>	7,0/5,6	18		13834010700 <input type="checkbox"/>
5,0/4,0	18		13824010500 <input checked="" type="checkbox"/>	8,0/6,3	22		13834010800 <input type="checkbox"/>
5,5/4,5	18		13824010550 <input checked="" type="checkbox"/>	9,0/7,1	22		13834010900 <input type="checkbox"/>
6,0/5,0	18		13824010600 <input checked="" type="checkbox"/>	10,0/8,0	25		13834011000 <input type="checkbox"/>
6,3/5,0	18		13824010630 <input checked="" type="checkbox"/>				
7,0/5,6	18		13824010700 <input checked="" type="checkbox"/>				
7,1/5,6	18		13824010710 <input checked="" type="checkbox"/>				
8,0/6,3	22		13824010800 <input checked="" type="checkbox"/>				
9,0/7,1	22		13824010900 <input checked="" type="checkbox"/>				
10,0/8,0	25		13824011000 <input checked="" type="checkbox"/>				
11,0/9,0	25		13824011100 <input checked="" type="checkbox"/>				
11,2/9,0	25		13824011120 <input checked="" type="checkbox"/>				
12,0/9,0	25		13824011200 <input checked="" type="checkbox"/>				

Delivery Availability: from Stock on Short Notice on Request

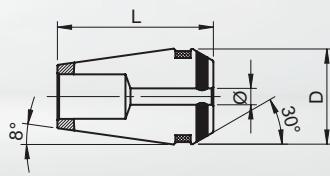
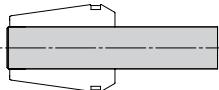


High Precision Collets 2 µm



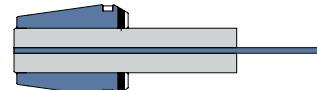
GERC25-HP Ø 1-16 mm

Standard



GERC25-HPD Ø 3-16 mm

Sealed for Inner Coolant Supply



		2 µm					2 µm		
Ø mm	Order-No.	Ø mm	Order-No.	Ø mm	Order-No.	Ø inch	Order-No.		
1,0	13615010100	■	12,0	13615011200	■	3,0	13625010300	■	1/8"
1,5	13615010150	■	12,5	13615011250	■	4,0	13625010400	■	3/16"
2,0	13615010200	■	13,0	13615011300	■	5,0	13625010500	■	1/4"
2,5	13615010250	■	13,5	13615011350	■	6,0	13625010600	■	5/16"
3,0	13615010300	■	14,0	13615011400	■	7,0	13625010700	■	3/8"
3,5	13615010350	■	14,5	13615011450	■	8,0	13625010800	■	7/16"
4,0	13615010400	■	15,0	13615011500	■	9,0	13625010900	■	1/2"
4,5	13615010450	■	15,5	13615011550	■	10,0	13625011000	■	9/16"
5,0	13615010500	■	16,0	13615011600	■	11,0	13625011100	■	5/8"
5,5	13615010550	■				12,0	13625011200	■	
6,0	13615010600	■				13,0	13625011300	■	
6,5	13615010650	■	Ø inch	Order-No.		14,0	13625011400	■	
7,0	13615010700	■	1/8"	13615040318	■	15,0	13625011500	■	
7,5	13615010750	■	3/16"	13615040476	■	16,0	13625011600	■	
8,0	13615010800	■	1/4"	13615040635	■				
8,5	13615010850	■	5/16"	13615040794	■				
9,0	13615010900	■	3/8"	13615040953	■				
9,5	13615010950	■	7/16"	13615041111	■				
10,0	13615011000	■	1/2"	13615041270	■				
10,5	13615011050	■	9/16"	13615041429	■				
11,0	13615011100	■	5/8"	13615041588	■				
11,5	13615011150	■							

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

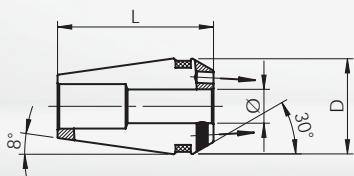
ACCESSORIES FOR CHUCKS

DPC25

GERC25
1-16 mm

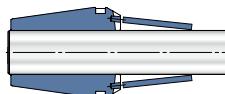


High Precision Collets 2 µm



GERC25-HPDD Ø 4-14 mm

Sealed for Inner Coolant Supply and Jet Holes

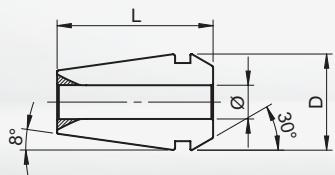


<input checked="" type="checkbox"/> =	2 µm		
D =	26		
L =	34		
Ø mm	Order-No.	Ø inch	Order-No.
4,0	13635010400	■	1/8" 13635040318 □
6,0	13635010600	■	3/16" 13635040476 □
8,0	13635010800	■	1/4" 13635040635 □
10,0	13635011000	■	5/16" 13635040794 □
12,0	13635011200	■	3/8" 13635040953 □
14,0	13635011400	■	7/16" 13635041111 □
		1/2"	13635041270 □
		9/16"	13635041429 □

Delivery Availability: ■ from Stock on Short Notice □ on Request

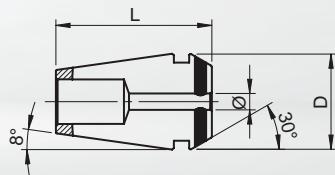
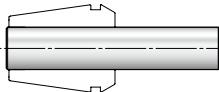


Precision Collets 5 µm



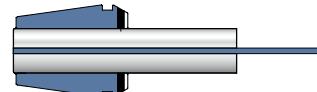
GERC25-B Ø 1-16 mm

Standard



GERC25-BD Ø 3-16 mm

Sealed for Inner Coolant Supply



		5 µm			5 µm			
Ø mm	Order-No.	Ø mm	Order-No.	Ø mm	Order-No.	Ø inch	Order-No.	
1,0	13715010100	■	12,0	13715011200	■	3,0	13725010300	■
1,5	13715010150	■	12,5	13715011250	■	4,0	13725010400	■
2,0	13715010200	■	13,0	13715011300	■	5,0	13725010500	■
2,5	13715010250	■	13,5	13715011350	■	6,0	13725010600	■
3,0	13715010300	■	14,0	13715011400	■	7,0	13725010700	■
3,5	13715010350	■	14,5	13715011450	■	8,0	13725010800	■
4,0	13715010400	■	15,0	13715011500	■	9,0	13725010900	■
4,5	13715010450	■	15,5	13715011550	■	10,0	13725011000	■
5,0	13715010500	■	16,0	13715011600	■	11,0	13725011100	■
5,5	13715010550	■				12,0	13725011200	■
6,0	13715010600	■				13,0	13725011300	■
6,5	13715010650	■	Ø inch	Order-No.		14,0	13725011400	■
7,0	13715010700	■	1/8"	13715040318	■	15,0	13725011500	■
7,5	13715010750	■	3/16"	13715040476	■	16,0	13725011600	■
8,0	13715010800	■	1/4"	13715040635	■			
8,5	13715010850	■	5/16"	13715040794	■			
9,0	13715010900	■	3/8"	13715040953	■			
9,5	13715010950	■	7/16"	13715041111	■			
10,0	13715011000	■	1/2"	13715041270	■			
10,5	13715011050	■	9/16"	13715041429	■			
11,0	13715011100	■	5/8"	13715041588	■			
11,5	13715011150	■						

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

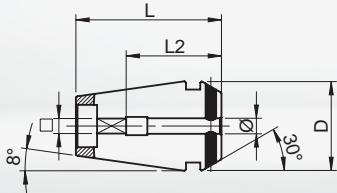
ACCESSORIES FOR CHUCKS

DPC25

GERC25
1-16 mm

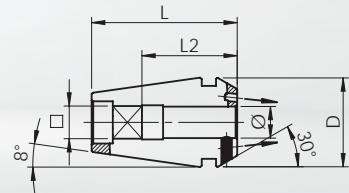
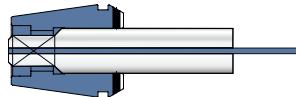


Tap Collets 10 µm



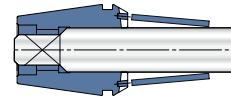
GERC25-GBD Ø 3,5-16 mm

Sealed for Inner Coolant Supply



GERC25-GBDD Ø 4,5-14 mm

Sealed for Inner Coolant Supply and Jet Holes

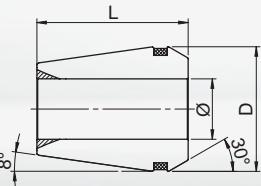


<input type="checkbox"/> = D = L =		10 µm 26 34	<input type="checkbox"/> = D = L =		10 µm 26 34
Ø / □ mm	L2	Order-No.	Ø / □ mm	L2	Order-No.
3,5/2,7	18	13825010350 <input checked="" type="checkbox"/>	4,5/3,55	18	13835010450 <input type="checkbox"/>
4,0/3,2	18	13825010400 <input checked="" type="checkbox"/>	6,0/5,0	18	13835010600 <input type="checkbox"/>
4,5/3,55	18	13825010450 <input checked="" type="checkbox"/>	7,0/5,6	18	13835010700 <input type="checkbox"/>
5,0/4,0	18	13825010500 <input checked="" type="checkbox"/>	8,0/6,3	22	13835010800 <input type="checkbox"/>
5,5/4,5	18	13825010550 <input checked="" type="checkbox"/>	9,0/7,1	22	13835010900 <input type="checkbox"/>
6,0/5,0	18	13825010600 <input checked="" type="checkbox"/>	10,0/8,0	25	13835011000 <input type="checkbox"/>
6,3/5,0	18	13825010630 <input checked="" type="checkbox"/>	11,0/9,0	25	13835011100 <input type="checkbox"/>
7,0/5,6	18	13825010700 <input checked="" type="checkbox"/>	12,0/9,0	25	13835011200 <input type="checkbox"/>
7,1/5,6	18	13825010710 <input checked="" type="checkbox"/>	14,0/11,2	25	13835011400 <input type="checkbox"/>
8,0/6,3	22	13825010800 <input checked="" type="checkbox"/>			
9,0/7,1	22	13825010900 <input checked="" type="checkbox"/>			
10,0/8,0	25	13825011000 <input checked="" type="checkbox"/>			
11,0/9,0	25	13825011100 <input checked="" type="checkbox"/>			
11,2/9,0	25	13825011120 <input checked="" type="checkbox"/>			
12,0/9,0	25	13825011200 <input checked="" type="checkbox"/>			
12,5/10,0	25	13825011250 <input checked="" type="checkbox"/>			
14,0/11,2	25	13825011400 <input checked="" type="checkbox"/>			
16,0/12,5	25	13825011600 <input checked="" type="checkbox"/>			

Delivery Availability: from Stock on Short Notice on Request

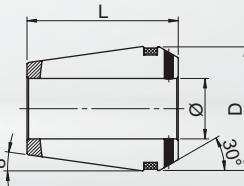
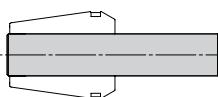


High Precision Collets 2 μm



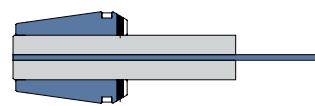
GERC32-HP Ø 2-20 mm

Standard



GERC32-HPD Ø 3-20 mm

Sealed for Inner Coolant Supply



<input checked="" type="checkbox"/> =	2 μm				<input checked="" type="checkbox"/> =	2 μm				
D =	33				D =	33				
L =	40				L =	40				
Ø mm	Order-No.		Ø mm	Order-No.		Ø mm	Order-No.		Ø inch	
2,0	1361601	0200	<input checked="" type="checkbox"/>	15,0	1361601	1500	<input checked="" type="checkbox"/>	3,0	1362601	0300
2,5	1361601	0250	<input checked="" type="checkbox"/>	15,5	1361601	1550	<input checked="" type="checkbox"/>	4,0	1362601	0400
3,0	1361601	0300	<input checked="" type="checkbox"/>	16,0	1361601	1600	<input checked="" type="checkbox"/>	5,0	1362601	0500
3,5	1361601	0350	<input checked="" type="checkbox"/>	16,5	1361601	1650	<input checked="" type="checkbox"/>	6,0	1362601	0600
4,0	1361601	0400	<input checked="" type="checkbox"/>	17,0	1361601	1700	<input checked="" type="checkbox"/>	7,0	1362601	0700
4,5	1361601	0450	<input checked="" type="checkbox"/>	17,5	1361601	1750	<input checked="" type="checkbox"/>	8,0	1362601	0800
5,0	1361601	0500	<input checked="" type="checkbox"/>	18,0	1361601	1800	<input checked="" type="checkbox"/>	9,0	1362601	0900
5,5	1361601	0550	<input checked="" type="checkbox"/>	18,5	1361601	1850	<input checked="" type="checkbox"/>	10,0	1362601	1000
6,0	1361601	0600	<input checked="" type="checkbox"/>	19,0	1361601	1900	<input checked="" type="checkbox"/>	11,0	1362601	1100
6,5	1361601	0650	<input checked="" type="checkbox"/>	19,5	1361601	1950	<input checked="" type="checkbox"/>	12,0	1362601	1200
7,0	1361601	0700	<input checked="" type="checkbox"/>	20,0	1361601	2000	<input checked="" type="checkbox"/>	13,0	1362601	1300
7,5	1361601	0750	<input checked="" type="checkbox"/>					14,0	1362601	1400
8,0	1361601	0800	<input checked="" type="checkbox"/>					15,0	1362601	1500
8,5	1361601	0850	<input checked="" type="checkbox"/>	Ø inch	Order-No.			16,0	1362601	1600
9,0	1361601	0900	<input checked="" type="checkbox"/>	1/8"	1361604	0318	<input checked="" type="checkbox"/>	17,0	1362601	1700
9,5	1361601	0950	<input checked="" type="checkbox"/>	3/16"	1361604	0476	<input checked="" type="checkbox"/>	18,0	1362601	1800
10,0	1361601	1000	<input checked="" type="checkbox"/>	1/4"	1361604	0635	<input checked="" type="checkbox"/>	19,0	1362601	1900
10,5	1361601	1050	<input checked="" type="checkbox"/>	5/16"	1361604	0794	<input checked="" type="checkbox"/>	20,0	1362601	2000
11,0	1361601	1100	<input checked="" type="checkbox"/>	3/8"	1361604	0953	<input checked="" type="checkbox"/>			
11,5	1361601	1150	<input checked="" type="checkbox"/>	7/16"	1361604	1111	<input checked="" type="checkbox"/>			
12,0	1361601	1200	<input checked="" type="checkbox"/>	1/2"	1361604	1270	<input checked="" type="checkbox"/>			
12,5	1361601	1250	<input checked="" type="checkbox"/>	9/16"	1361604	1429	<input checked="" type="checkbox"/>			
13,0	1361601	1300	<input checked="" type="checkbox"/>	5/8"	1361604	1588	<input checked="" type="checkbox"/>			
13,5	1361601	1350	<input checked="" type="checkbox"/>	11/16"	1361604	1746	<input checked="" type="checkbox"/>			
14,0	1361601	1400	<input checked="" type="checkbox"/>	3/4"	1361604	1905	<input checked="" type="checkbox"/>			
14,5	1361601	1450	<input checked="" type="checkbox"/>							

Delivery Availability: from Stock on Short Notice on Request

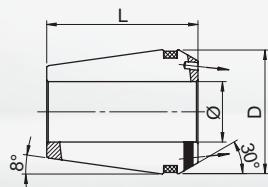
ACCESSORIES FOR CHUCKS

DPC32 | UPC32

GERC32
2-20 mm

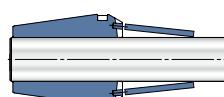


High Precision Collets 2 µm

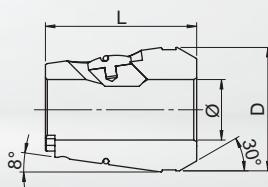


GERC32-HPDD Ø 4-20 mm

Sealed for Inner Coolant Supply and Jet Holes

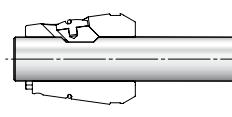


Wedge Collets 3 µm



GERC32-WD Ø 12-20 mm

Pull-Out Protection



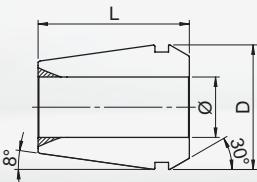
<input type="checkbox"/> =	2 µm				<input type="checkbox"/> =	3 µm					
D =	33		D =	33		L =	40		L =		
L =	40		L =	40							
Ø mm	Order-No.	Ø inch	Order-No.	Ø mm	Order-No.	Ø inch	Order-No.	Ø inch	Order-No.		
4,0	13636010400	<input checked="" type="checkbox"/>	1/8"	13636040318	<input type="checkbox"/>	12,0	13916011200	<input checked="" type="checkbox"/>	1/2"	13916041270	<input checked="" type="checkbox"/>
6,0	13636010600	<input checked="" type="checkbox"/>	3/16"	13636040476	<input type="checkbox"/>	16,0	13916011600	<input checked="" type="checkbox"/>	5/8"	13916041588	<input checked="" type="checkbox"/>
8,0	13636010800	<input checked="" type="checkbox"/>	1/4"	13636040635	<input type="checkbox"/>	20,0	13916012000*	<input checked="" type="checkbox"/>			
10,0	13636011000	<input checked="" type="checkbox"/>	5/16"	13636040794	<input type="checkbox"/>						
12,0	13636011200	<input checked="" type="checkbox"/>	3/8"	13636040953	<input type="checkbox"/>						
14,0	13636011400	<input checked="" type="checkbox"/>	7/16"	13636041111	<input type="checkbox"/>						
16,0	13636011600	<input checked="" type="checkbox"/>	1/2"	13636041270	<input type="checkbox"/>						
18,0	13636011800	<input checked="" type="checkbox"/>	9/16"	13636041429	<input type="checkbox"/>						
20,0	13636012000	<input checked="" type="checkbox"/>	5/8"	13636041588	<input type="checkbox"/>						
			11/16"	13636041746	<input type="checkbox"/>						
			3/4"	13636041905	<input type="checkbox"/>						

* Execution differs from the picture!

Delivery Availability: from Stock on Short Notice on Request

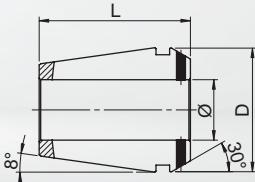
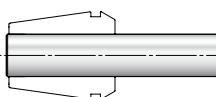


Precision Collets 5 µm



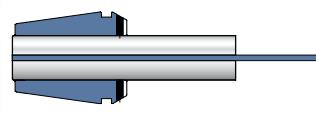
GERC32-B Ø 2-20 mm

Standard



GERC32-BD Ø 3-20 mm

Sealed for Inner Coolant Supply



<input checked="" type="checkbox"/> =	5 µm				<input checked="" type="checkbox"/> =	5 µm			
D =	33				D =	33			
L =	40				L =	40			
Ø mm	Order-No.		Ø mm	Order-No.		Ø mm	Order-No.		Ø inch
2,0	13716010200		15,0	13716011500		3,0	13726010300		1/8"
2,5	13716010250		15,5	13716011550		4,0	13726010400		3/16"
3,0	13716010300		16,0	13716011600		5,0	13726010500		1/4"
3,5	13716010350		16,5	13716011650		6,0	13726010600		5/16"
4,0	13716010400		17,0	13716011700		7,0	13726010700		3/8"
4,5	13716010450		17,5	13716011750		8,0	13726010800		7/16"
5,0	13716010500		18,0	13716011800		9,0	13726010900		1/2"
5,5	13716010550		18,5	13716011850		10,0	13726011000		9/16"
6,0	13716010600		19,0	13716011900		11,0	13726011100		5/8"
6,5	13716010650		19,5	13716011950		12,0	13726011200		3/4"
7,0	13716010700		20,0	13716012000		13,0	13726011300		
7,5	13716010750					14,0	13726011400		
8,0	13716010800					15,0	13726011500		
8,5	13716010850			Ø inch		16,0	13726011600		
9,0	13716010900		1/8"	13716040318		17,0	13726011700		
9,5	13716010950		3/16"	13716040476		18,0	13726011800		
10,0	13716011000		1/4"	13716040635		19,0	13726011900		
10,5	13716011050		5/16"	13716040794		20,0	13726012000		
11,0	13716011100		3/8"	13716040953					
11,5	13716011150		7/16"	13716041111					
12,0	13716011200		1/2"	13716041270					
12,5	13716011250		9/16"	13716041429					
13,0	13716011300		5/8"	13716041588					
13,5	13716011350		11/16"	13716041746					
14,0	13716011400		3/4"	13716041905					
14,5	13716011450		13/16"	13716042064					

Delivery Availability: from Stock on Short Notice on Request

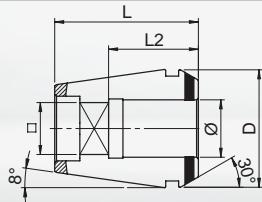
ACCESSORIES FOR CHUCKS

DPC32 | UPC32

GERC32
2-20 mm

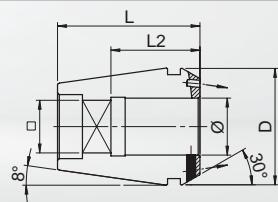
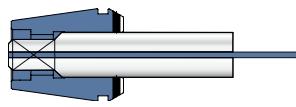


Tap Collets 10 µm



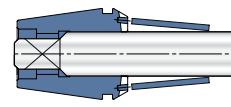
GERC32-GBD Ø 4-20 mm

Sealed for Inner Coolant Supply



GERC32-GBDD Ø 4,5-20 mm

Sealed for Inner Coolant Supply and Jet Holes

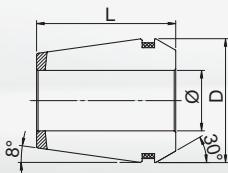


<input type="checkbox"/> = D = L =		10 µm 33 40	<input type="checkbox"/> = D = L =		10 µm 33 40
Ø / □ mm	L2	Order-No.	Ø / □ mm	L2	Order-No.
4,0/3,2	18	13826010400 <input checked="" type="checkbox"/>	4,5/3,55	18	13836010450 <input type="checkbox"/>
4,5/3,55	18	13826010450 <input checked="" type="checkbox"/>	6,0/5,0	18	13836010600 <input type="checkbox"/>
5,0/4,0	18	13826010500 <input checked="" type="checkbox"/>	7,0/5,6	18	13836010700 <input type="checkbox"/>
5,5/4,5	18	13826010550 <input checked="" type="checkbox"/>	8,0/6,3	22	13836010800 <input type="checkbox"/>
6,0/5,0	18	13826010600 <input checked="" type="checkbox"/>	9,0/7,1	22	13836010900 <input type="checkbox"/>
6,3/5,0	18	13826010630 <input checked="" type="checkbox"/>	10,0/8,0	25	13836011000 <input type="checkbox"/>
7,0/5,6	18	13826010700 <input checked="" type="checkbox"/>	11,0/9,0	25	13836011100 <input type="checkbox"/>
7,1/5,6	18	13826010710 <input checked="" type="checkbox"/>	12,0/9,0	25	13836011200 <input type="checkbox"/>
8,0/6,3	22	13826010800 <input checked="" type="checkbox"/>	14,0/11,2	25	13836011400 <input type="checkbox"/>
9,0/7,1	22	13826010900 <input checked="" type="checkbox"/>	16,0/12,5	25	13836011600 <input type="checkbox"/>
10,0/8,0	25	13826011000 <input checked="" type="checkbox"/>	18,0/14,5	30	13836011800 <input type="checkbox"/>
11,0/9,0	25	13826011100 <input checked="" type="checkbox"/>	20,0/16,0	30	13836012000 <input type="checkbox"/>
11,2/9,0	25	13826011120 <input checked="" type="checkbox"/>			
12,0/9,0	25	13826011200 <input checked="" type="checkbox"/>			
12,5/10,0	25	13826011250 <input checked="" type="checkbox"/>			
14,0/11,2	25	13826011400 <input checked="" type="checkbox"/>			
16,0/12,5	25	13826011600 <input checked="" type="checkbox"/>			
18,0/14,5	30	13826011800 <input checked="" type="checkbox"/>			
20,0/16,0	30	13826012000 <input checked="" type="checkbox"/>			

Delivery Availability: from Stock on Short Notice on Request

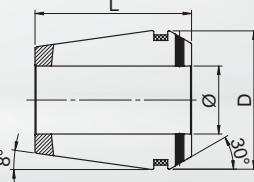
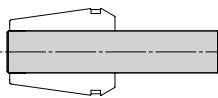


High Precision Collets 2 μm



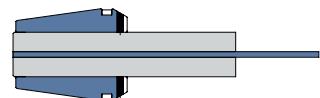
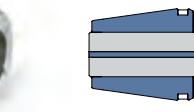
GERC40-HP Ø 3-26 mm

Standard



GERC40-HPD Ø 6-25 mm

Sealed for Inner Coolant Supply



<input checked="" type="checkbox"/> =	2 μm			<input checked="" type="checkbox"/> =	2 μm		
D =	41	L =	46	D =	41	L =	46
Ø mm	Order-No.	Ø mm	Order-No.	Ø mm	Order-No.	Ø inch	Order-No.
3,0	13617010300	19,0	13617011900	6,0	13627010600	1/4"	13627040635
3,5	13617010350	19,5	13617011950	8,0	13627010800	3/8"	13627040953
4,0	13617010400	20,0	13617012000	10,0	13627011000	1/2"	13627041270
4,5	13617010450	20,5	13617012050	12,0	13627011200	5/8"	13627041588
5,0	13617010500	21,0	13617012100	14,0	13627011400	3/4"	13627041905
5,5	13617010550	21,5	13617012150	16,0	13627011600	1"	13627042540
6,0	13617010600	22,0	13617012200	18,0	13627011800		
6,5	13617010650	22,5	13617012250	20,0	13627012000		
7,0	13617010700	23,0	13617012300	22,0	13627012200		
7,5	13617010750	23,5	13617012350	25,0	13627012500		
8,0	13617010800	24,0	13617012400				
8,5	13617010850	24,5	13617012450				
9,0	13617010900	25,0	13617012500				
9,5	13617010950	25,5	13617012550				
10,0	13617011000	26,0	13617012600				
10,5	13617011050						
11,0	13617011100						
11,5	13617011150	<input checked="" type="checkbox"/>	Ø inch	Order-No.			
12,0	13617011200	<input checked="" type="checkbox"/>	1/8"	13617040318	<input checked="" type="checkbox"/>		
12,5	13617011250	<input checked="" type="checkbox"/>	3/16"	13617040476	<input checked="" type="checkbox"/>		
13,0	13617011300	<input checked="" type="checkbox"/>	1/4"	13617040635	<input checked="" type="checkbox"/>		
13,5	13617011350	<input checked="" type="checkbox"/>	5/16"	13617040794	<input checked="" type="checkbox"/>		
14,0	13617011400	<input checked="" type="checkbox"/>	3/8"	13617040953	<input checked="" type="checkbox"/>		
14,5	13617011450	<input checked="" type="checkbox"/>	7/16"	13617041111	<input checked="" type="checkbox"/>		
15,0	13617011500	<input checked="" type="checkbox"/>	1/2"	13617041270	<input checked="" type="checkbox"/>		
15,5	13617011550	<input checked="" type="checkbox"/>	9/16"	13617041429	<input checked="" type="checkbox"/>		
16,0	13617011600	<input checked="" type="checkbox"/>	5/8"	13617041588	<input checked="" type="checkbox"/>		
16,5	13617011650	<input checked="" type="checkbox"/>	11/16"	13617041746	<input checked="" type="checkbox"/>		
17,0	13617011700	<input checked="" type="checkbox"/>	3/4"	13617041905	<input checked="" type="checkbox"/>		
17,5	13617011750	<input checked="" type="checkbox"/>	13/16"	13617042064	<input checked="" type="checkbox"/>		
18,0	13617011800	<input checked="" type="checkbox"/>	7/8"	13617042223	<input checked="" type="checkbox"/>		
18,5	13617011850	<input checked="" type="checkbox"/>	1"	13617042540	<input checked="" type="checkbox"/>		

Delivery Availability: from Stock on Short Notice on Request

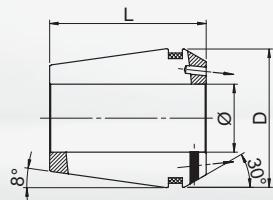
ACCESSORIES FOR CHUCKS

UPC40

GERC40
3-26 mm

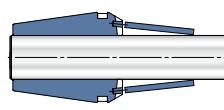


High Precision Collets 2 µm

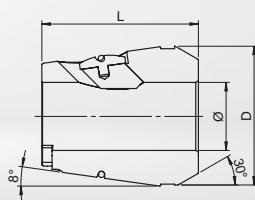


GERC40-HPDD Ø 10-25 mm

Sealed for Inner Coolant Supply and Jet Holes

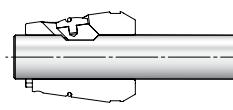


Wedge Collets 3 µm



GERC40-WD Ø 16-25 mm

Pull-Out Protection



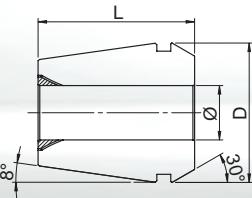
<input type="checkbox"/> =	2 µm			<input type="checkbox"/> =	3 µm						
D =	41			D =	41						
L =	46			L =	46						
Ø mm	Order-No.	Ø inch	Order-No.	Ø mm	Order-No.	Ø inch	Order-No.				
10,0	13637011000	<input checked="" type="checkbox"/>	1/4"	13637040635	<input type="checkbox"/>	16,0	13917011600	<input checked="" type="checkbox"/>	5/8"	13917041588	<input type="checkbox"/>
12,0	13637011200	<input checked="" type="checkbox"/>	3/8"	13637040953	<input type="checkbox"/>	20,0	13917012000	<input checked="" type="checkbox"/>	3/4"	13917041905	<input type="checkbox"/>
14,0	13637011400	<input checked="" type="checkbox"/>	1/2"	13637041270	<input type="checkbox"/>	25,0	13917012500*	<input type="checkbox"/>			
16,0	13637011600	<input checked="" type="checkbox"/>	5/8"	13637041588	<input type="checkbox"/>						
18,0	13637011800	<input checked="" type="checkbox"/>	3/4"	13637041905	<input type="checkbox"/>						
20,0	13637012000	<input checked="" type="checkbox"/>	1"	13637042540	<input type="checkbox"/>						
25,0	13637012500	<input checked="" type="checkbox"/>									

* Execution differs from the picture!

Delivery Availability: from Stock on Short Notice on Request

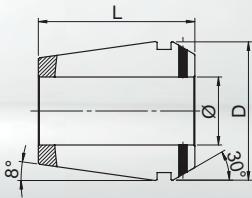
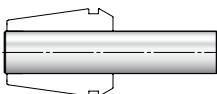


Precision Collets 5 µm



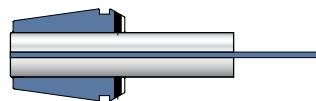
GERC40-B Ø 3-26 mm

Standard



GERC40-BD Ø 6-25 mm

Sealed for Inner Coolant Supply



<input checked="" type="checkbox"/> =	5 µm			<input checked="" type="checkbox"/> =	5 µm			
D =	41	L =	46	D =	41	L = <td>46</td>	46	
Ø mm	Order-No.	Ø mm	Order-No.	Ø mm	Order-No.	Ø mm	Order-No.	
3,0	13717010300	■	19,0	13717011900	■	6,0	13727010600	■
3,5	13717010350	■	19,5	13717011950	■	8,0	13727010800	■
4,0	13717010400	■	20,0	13717012000	■	10,0	13727011000	■
4,5	13717010450	■	20,5	13717012050	■	12,0	13727011200	■
5,0	13717010500	■	21,0	13717012100	■	14,0	13727011400	■
5,5	13717010550	■	21,5	13717012150	■	16,0	13727011600	■
6,0	13717010600	■	22,0	13717012200	■	18,0	13727011800	■
6,5	13717010650	■	22,5	13717012250	■	20,0	13727012000	■
7,0	13717010700	■	23,0	13717012300	■	22,0	13727012200	■
7,5	13717010750	■	23,5	13717012350	■	25,0	13727012500	■
8,0	13717010800	■	24,0	13717012400	■			
8,5	13717010850	■	24,5	13717012450	■			
9,0	13717010900	■	25,0	13717012500	■			
9,5	13717010950	■	25,5	13717012550	■			
10,0	13717011000	■	26,0	13717012600	■			
10,5	13717011050	■						
11,0	13717011100	■						
11,5	13717011150	■	Ø inch	Order-No.				
12,0	13717011200	■	1/8"	13717040318	■			
12,5	13717011250	■	3/16"	13717040476	■			
13,0	13717011300	■	1/4"	13717040635	■			
13,5	13717011350	■	5/16"	13717040794	■			
14,0	13717011400	■	3/8"	13717040953	■			
14,5	13717011450	■	7/16"	13717041111	■			
15,0	13717011500	■	1/2"	13717041270	■			
15,5	13717011550	■	9/16"	13717041429	■			
16,0	13717011600	■	5/8"	13717041588	■			
16,5	13717011650	■	11/16"	13717041746	■			
17,0	13717011700	■	3/4"	13717041905	■			
17,5	13717011750	■	13/16"	13717042064	■			
18,0	13717011800	■	7/8"	13717042223	■			
18,5	13717011850	■	1"	13717042540	■			

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

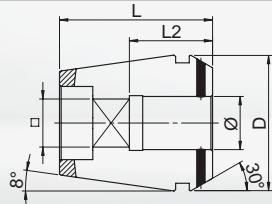
ACCESSORIES FOR CHUCKS

UPC40

GERC40
3-26 mm

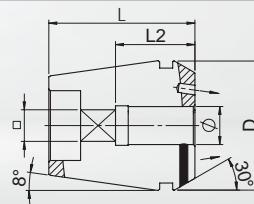
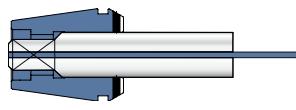


Tap Collets 10 µm



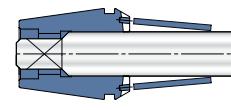
GERC40-GBD Ø 6-25 mm

Sealed for Inner Coolant Supply



GERC40-GBDD Ø 6-25 mm

Sealed for Inner Coolant Supply and Jet Holes



<input type="checkbox"/> = D = L =	10 µm 41 46			<input type="checkbox"/> = D = L =	10 µm 41 46		
Ø / □ mm	L2	Order-No.		Ø / □ mm	L2	Order-No.	
6,0/5,0	18	13827010600	■	6,0/5,0	18	13837010600	□
6,3/5,0	18	13827010630	□	7,0/5,6	18	13837010700	□
7,0/5,6	18	13827010700	■	8,0/6,3	22	13837010800	□
7,1/5,6	18	13827010710	□	9,0/7,1	22	13837010900	□
8,0/6,3	22	13827010800	■	10,0/8,0	25	13837011000	□
9,0/7,1	22	13827010900	■	11,0/9,0	25	13837011100	□
10,0/8,0	25	13827011000	■	12,0/9,0	25	13837011200	□
11,0/9,0	25	13827011100	■	14,0/11,2	25	13837011400	□
11,2/9,0	25	13827011120	□	16,0/12,5	25	13837011600	□
12,0/9,0	25	13827011200	■	18,0/14,5	33	13837011800	□
12,5/10,0	25	13827011250	□	20,0/16,0	33	13837012000	□
14,0/11,2	25	13827011400	■	22,0/18,0	33	13837012200	□
16,0/12,5	25	13827011600	■	25,0/20,0	33	13837012500	□
18,0/14,5	33	13827011800	■				
20,0/16,0	33	13827012000	■				
22,0/18,0	33	13827012200	■				
25,0/20,0	33	13827012500	■				

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

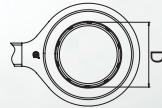
ACCESSORIES



ACCESSORIES FOR CHUCKS

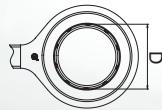
MPC | DPC | UPC

Roller Bearing Wrenches with Handle



D = Wrench Ø	Description	Order-No.	for Chucks
10	ROD10	4996200 ■	MPC8
16	RO16	4990400 ■	MPC11/MPC11C
22	RO22	4990500 ■	MPC16/MPC16C
24	RO24	4990600 ■	MPC16T
30	RO30	4990900 ■	DPC16
32	RO32	4991100 ■	DPC20
40	RO40	4991400 ■	DPC25
50	RO50	4991800 ■	DPC32
53	RO53	4991900 ■	UPC32
63	RO63	4992000 ■	UPC40

Roller Bearing Heads for Torque Setting Wrenches



Torque Setting Wrenches



D = Wrench Ø	Description	Order-No.	Square	for Chucks
16	DRO16	4993400 ■	9x12	MPC11/MPC11C
22	DRO22	4993500 ■	9x12	MPC16/MPC16C
24	DRO24	4993600 ■	9x12	MPC16T
30	DRO30	4993900 ■	14x18	DPC16
32	DRO32	4994100 ■	14x18	DPC20
40	DRO40	4994400 ■	14x18	DPC25
50	DRO50	4994800 ■	14x18	DPC32
53	DRO53	4994900 ■	14x18	UPC32
63	DRO63	4995000 ■	14x18	UPC40

Description	Order-No.	Square	Torque Range
DRTW-5-30 (9x12)	4901200 ■	9x12	5 - 30 Nm
DRTW-10-80 (9x12)	4901400 ■	9x12	10 - 80 Nm
DRTW-10-80 (9x12)	4901400 ■	9x12	10 - 80 Nm
DRTW-10-80 (14x18)	4901500 ■	14x18	10 - 80 Nm
DRTW-10-80 (14x18)	4901500 ■	14x18	10 - 80 Nm
DRTW-20-200 (14x18)	4901600 ■	14x18	20 - 200 Nm
DRTW-20-200 (14x18)	4901600 ■	14x18	20 - 200 Nm
DRTW-20-200 (14x18)	4901600 ■	14x18	20 - 200 Nm
DRTW-20-200 (14x18)	4901600 ■	14x18	20 - 200 Nm

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

ACCESSORIES FOR CHUCKS

MPC | DPC | UPC

Mounting Devices



Description	Order-No.	D	for Interfaces
TBRS25	4980200	■ 25	HSK25
TBRS32	4980400	■ 32	HSK32
TBRS40	4980600	■ 40	HSK40
TBRS46	4980800	■ 46	BT30
TBRS63	4981200	■ 63	SK40, HSK63, C6, BT40
TBRS97	4981800	■ 97,5	SK50
TBRS100	4982000	■ 100	HSK100, BT50

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

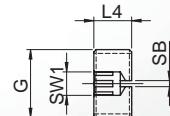
- for easy and safe clamping of the flange interface using rollers for mounting and removing cutting tools, therefore self clamping and ideal for HSK forms E and F as well polygonal shanks
- for all common interfaces such as SK (DIN 69871-1), HSK (DIN 69893 / ISO 12164 - forms A, B, C, D, E, F), polygonal shanks (ISO 26623-1) and BT (JIS B 6339)



ACCESSORIES FOR CHUCKS

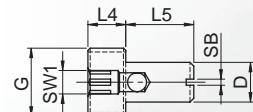
MPC | DPC | UPC

Adjustable Stop Screws, short



Description	Order-No.	G	SW1	SB	L4	for Chucks
AS-CP11-U	44981000100	M8x1	4	1,2	8	MPC11
AS-CP16-U	44982000100	M11x1	6	1,2	8	MPC16, MPC16T, DPC16
AS-CP20-U	44983000100	M14x1	5	1,6	10	DPC20
AS-CP25-U	44984000102	M18x1,5	6	1,6	10	DPC25
AS-CP32-U	44984000103	M22x1,5	6	1,6	10	DPC32, UPC32
AS-40-U	44985000100	M28x1,5	6	1,6	25	UPC40

Adjustable Stop Screws, long



Description	Order-No.	G	SW1	SB	L4	L5	D	for Chucks
AS-CP11-W	44981000200	M8x1	4	1,2	8	10	4,5	MPC11
AS-CP16-W	44982000200	M11x1	6	1,2	8	14	7	MPC16, MPC16T, DPC16
AS-CP25-W	44984000202	M18x1,5	6	1,6	10	18	10,5	DPC25
AS-CP32-W	44984000203	M22x1,5	6	1,6	10	18	10,5	DPC32, UPC32

Coolant Supply Tubes



Description	Order-No.	for HSK	Form	G
IKR-HSK25	2490200	25	A and E	M8x1
IKR-HSK32	2490300	32	A and E	M10x1
IKR-HSK40	2490400	40	A and E	M12x1
IKR-HSK63	2490600	63	A and E	M18x1
IKR-HSK100	2490800	100	A and E	M24x1,5

Wrenches for Coolant Supply Tubes



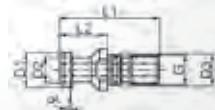
Description	Order-No.	for HSK
SCHL-IKR-HSK25	2492200	25
SCHL-IKR-HSK32	2492300	32
SCHL-IKR-HSK40	2492400	40
SCHL-IKR-HSK63	2492600	63
SCHL-IKR-HSK100	2492800	100

Delivery Availability: from Stock on Short Notice on Request

ACCESSORIES FOR CHUCKS

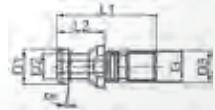
MPC | DPC | UPC

Pull Studs DIN 69872-A with Bore



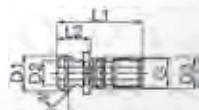
Description	Order-No.	L1	L2	D1	D2	D3	α	G	max. NM	for Taper Shanks	
AZB40-DIN-A	2910500	■	54	26	19	14	17	15 °	M16	50	40
AZB50-DIN-A	2910700	■	74	34	28	21	25	15 °	M24	150	50

Pull Studs DIN 69872-B without Bore



Description	Order-No.	L1	L2	D1	D2	D3	α	G	max. NM	for Taper Shanks	
AZB40-DIN-B	2911500	□	54	26	19	14	17	15 °	M16	50	40
AZB50-DIN-B	2911700	□	74	34	28	21	25	15 °	M24	150	50

Pull Studs ISO 7388/II-B with Bore



Description	Order-No.	L1	L2	D1	D2	D3	α	G	max. NM	for Taper Shanks	
AZB40-ISO-A	2920500	□	44,5	16,4	18,95	12,95	17	45 °	M16	50	40
AZB50-ISO-A	2920700	□	65	25,5	29	19,6	25	45 °	M24	150	50

Pull Studs ISO 7388-B without Bore



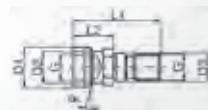
Description	Order-No.	L1	L2	D1	D2	D3	α	G	max. NM	for Taper Shanks	
AZB40-ISO-B	2921500	□	44,5	16,4	18,95	12,95	17	45 °	M16	50	40
AZB50-ISO-B	2921700	□	65	25,5	29	19,6	25	45 °	M24	150	50

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

ACCESSORIES FOR CHUCKS

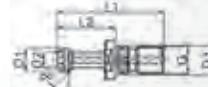
MPC | DPC | UPC

Pull Studs DIN 2080 with Inner Thread



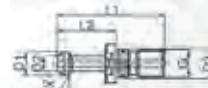
Description	Order-No.	L1	L2	D1	D2	D3	α	G	max. Nm	for Taper Shanks
AZB40-DIN2080-G	2943500	54	25	25	21,6	17	15 °	M16	50	40
AZB50-DIN2080-G	2943700	65	25,1	39,3	32	25	15 °	M24	150	50

Pull Studs BT 45° (JIS B 6339) with Bore



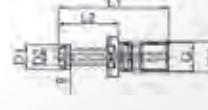
Description	Order-No.	L1	L2	D1	D2	D3	α	G	max. Nm	for Taper Shanks
AZB30-BT-45°-A	2930300	43	23	11	7	12,5	45 °	M12	20	30
AZB40-BT-45°-A	2930500	60	35	15	10	17	45 °	M16	50	40
AZB50-BT-45°-A	2930700	85	45	23	17	25	45 °	M24	150	50

Pull Studs BT 30° (JIS B 6339) with Bore



Description	Order-No.	L1	L2	D1	D2	D3	α	G	max. Nm	for Taper Shanks
AZB30-BT-30°-A	2931300	43	23	11	7	12,5	30 °	M12	20	30
AZB40-BT-30°-A	2931500	60	35	15	10	17	30 °	M16	50	40
AZB50-BT-30°-A	2931700	85	45	23	17	25	30 °	M24	150	50

Pull Studs BT 90° (JIS B 6339) with Bore



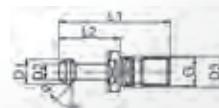
Description	Order-No.	L1	L2	D1	D2	D3	α	G	max. Nm	for Taper Shanks
AZB30-BT-90°-A	2932300	43	23	11	7	12,5	90 °	M12	20	30
AZB40-BT-90°-A	2932500	60	35	15	10	17	90 °	M16	50	40
AZB50-BT-90°-A	2932700	85	45	23	17	25	90 °	M24	150	50

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

ACCESSORIES FOR CHUCKS

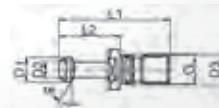
MPC | DPC | UPC

Pull Studs BT 45° (JIS B 6339) without Bore



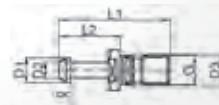
Description	Order-No.	L1	L2	D1	D2	D3	α	G	max. Nm	for Taper Shanks	
AZB30-BT-45°-B	2933300	■	43	23	11	7	12,5	45 °	M12	20	30
AZB40-BT-45°-B	2933500	■	60	35	15	10	17	45 °	M16	50	40
AZB50-BT-45°-B	2933700	□	85	45	23	17	25	45 °	M24	150	50

Pull Studs BT 30° (JIS B 6339) without Bore



Description	Order-No.	L1	L2	D1	D2	D3	α	G	max. Nm	for Taper Shanks	
AZB30-BT-30°-B	2934300	■	43	23	11	7	12,5	30 °	M12	20	30
AZB40-BT-30°-B	2934500	■	60	35	15	10	17	30 °	M16	50	40
AZB50-BT-30°-B	2934700	□	85	45	23	17	23	30 °	M24	150	50

Pull Studs BT 90° (JIS B 6339) without Bore

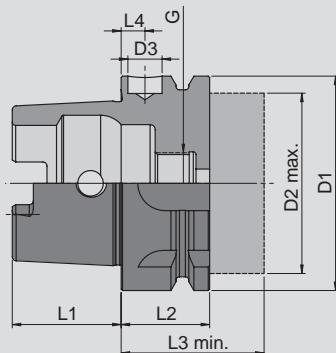


Description	Order-No.	L1	L2	D1	D2	D3	α	G	max. Nm	for Taper Shanks	
AZB30-BT-90°-B	2935300	■	43	23	11	7	12,5	90 °	M12	20	30
AZB40-BT-90°-B	2935500	■	60	35	15	10	17	90 °	M16	50	40
AZB50-BT-90°-B	2935700	□	85	45	23	17	25	90 °	M24	150	50

Delivery Availability: ■ from Stock □ on Short Notice □ on Request

TECHNICAL SECTION

TAPER OVERVIEW



Case-hardened material, hardened and ground
Surface hardness: 58-2 HRC
Minimum core tensile strength: 1,000 N/mm²

Hollow Tapers DIN 69893-1/ISO 12164-1 – HSK-A

HSK-	D1	D2 max.	D3	L1	L2	L3 min.	L4	G
A32	32	26	10	16	20	35	7	M10x1
A40	40	34	-	20	20	35	-	M12x1
A50	50	42	-	25	26	42	-	M16x1
A63	63	53	10	32	26	42	7	M18x1
A80	80	68	10	40	26	42	7	M20x1,5
A100	100	88	10	50	29	45	7	M24x1,5
A125	125	111	10	63	29	45	7	M30x1,5
A160	160	144	10	80	31	47	7	M35x1,5

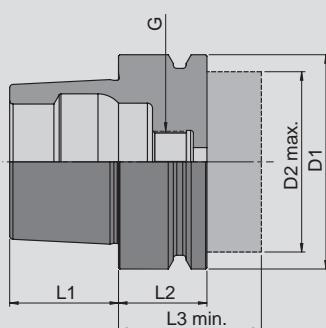
HSK-A63 and A100 in this catalogue – others on request

For **automatic** tool change with gripping and indexing groove.

Manual operation possible through an access hole in the taper, e.g. HSK-A is compatible with interface HSK-C (**manual tool change**).

The torque is transferred positive and non-positive.

RFID Chip Holes – standard from range HSK-A63 onwards.



Case-hardened material, hardened and ground
Surface hardness: 58-2 HRC
Minimum core tensile strength: 1,000 N/mm²

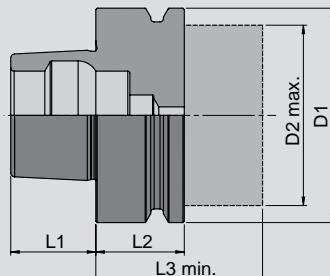
Hollow Tapers DIN 69893-5 – HSK-E

HSK-	D1	D2 max.	L1	L2	L3 min.	G
E25	25	20	13	10	20	M8x1
E32	32	26	16	20	35	M10x1
E40	40	34	20	20	35	M12x1
E50	50	42	25	26	42	M16x1
E63	63	53	32	26	42	M18x1

HSK-E25, E32 and E40 in this catalogue – others on request

For **automatic** tool change.

Manual confirmation is **not** possible because no access hole exists in the cone.
The torque is transferred non-positive.



Case-hardened material, hardened and ground
Surface hardness: 58-2 HRC
Minimum core tensile strength: 1,000 N/mm²

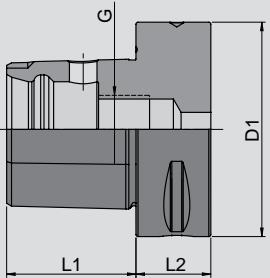
Hollow Tapers DIN 69893-6 – HSK-F

HSK-	D1	D2 max.	L1	L2	L3 min.
F50	50	42	25	26	42
F63	63	53	32	26	42

For **automatic** tool change.

Manual confirmation is **not** possible because no access hole exists in the cone.
The torque is transferred non-positive.

HSK shapes B, C and D are not common, but available on request.



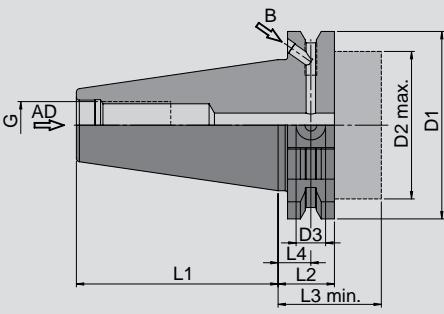
Polygonalschaft ISO 26613-1 – C Ø

C	D1	L1	L2	G
3	32	19	15	M12x1,5
4	40	24	20	M14x1,5
5	50	30	20	M16x1,5
6	63	38	22	M20x2
8	80	48	30	M20x2

C6 in this catalogue – others on request

For **automatic** tool change.
RFID Chip Holes – on request!

Case-hardened material, hardened and ground
Surface hardness: 60-2 HRC
Minimum core tensile strength: 950 N/mm²



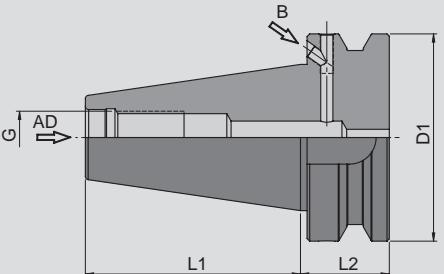
Steilkegel DIN 69871-1 (DIN ISO 7388-1) – SK

SK	D1	D2 max.	D3	L1	L2	L3 min.	L4	G
30	50	45	10	47,8	19,1	35	11,1	M12
40	63,55	50	10	68,4	19,1	35	11,1	M16
50	97,5	80	10	101,75	19,1	35	11,1	M24

SK40 and SK50 in this catalogue – others on request

For **automatic** tool change.
Coolant supply AD (AD) and / or AD/B (B).
RFID Chip Holes – standard with SK40 and SK50.

Case-hardened material, hardened and ground
Surface hardness: 60-2 HRC
Minimum core tensile strength: 950 N/mm²
Taper angle tolerance AT3



Steilkegel JIS B 6339 (DIN ISO 7388-2) – BT

BT	D1	L1	L2	G
30	46	48,4	22	M12
40	63	65,4	27	M16
50	100	101,8	38	M24

BT30, BT/BTB40 and BT50 in this catalogue – others on request

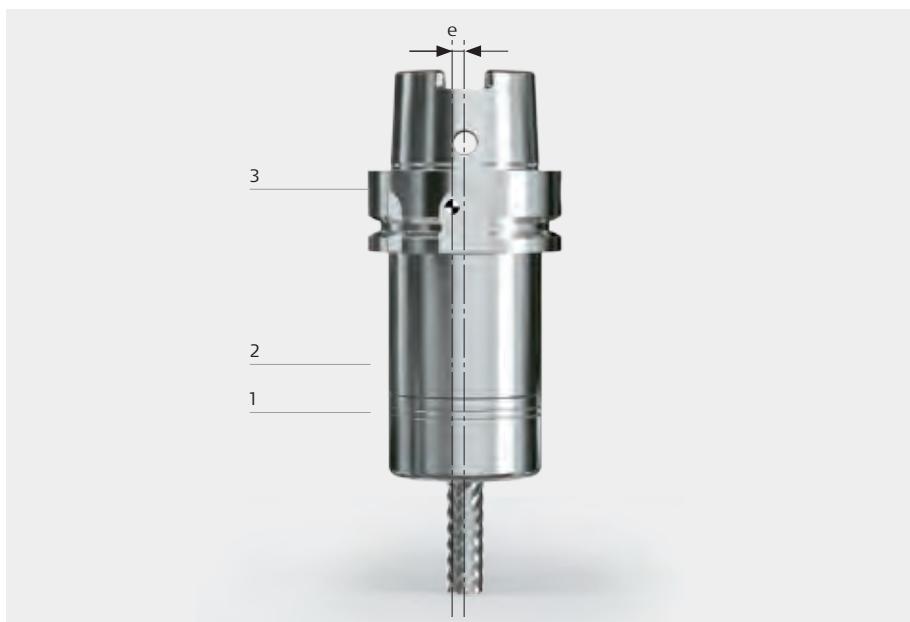
For **automatic** tool change.
Coolant supply AD (BT) and / or AD/B (BTB).
RFID Chip Holes – on request!

Case-hardened material, hardened and ground
Surface hardness: 60-2 HRC
Minimum core tensile strength: 950 N/mm²
Taper angle tolerance AT3

BALANCING

Explanations to our Balancing Information

G2,5 / 25000 r.p.m. or $U \leq 1 \text{ gmm}$



Imbalance

- Rotor centre of gravity **2** is outside its rotational axis **1** (=offset e **3**)

Causes

- Unsymmetrical bores and milling at the tool holder (e.g. taper shanks DIN 69871 and DIN 69893 HSK form A and B)
- Unsymmetrical shape of the tool (e.g. clamping surface at the milling cutter)
- Production tolerances (runout)
- Spindle runout

Consequences

Centrifugal forces cause vibrations.

These cause:

- Damage to the spindle bearings
- Mediocre surface quality
- Insufficient repeatability of accuracy
- Reduction in tool life
- Noise

Requirements

Balancing is necessary whenever optimum working conditions have to be achieved e.g.

- Surface quality
- Production accuracies
- Tool operational life
- or if prescribed by the machine tool manufacturer (warranty claims!)

However, it is only economically sensible to balance at speeds of 8,000 r.p.m. or higher. At speeds lower than this the cutting forces are as a rule greater than the imbalance forces.

Balancing means – determining the centre of gravity axis and moving it back to the axis of rotation.

What Balance Grade

Our CENTRO | P precision collet chucks are fine balanced as standard.

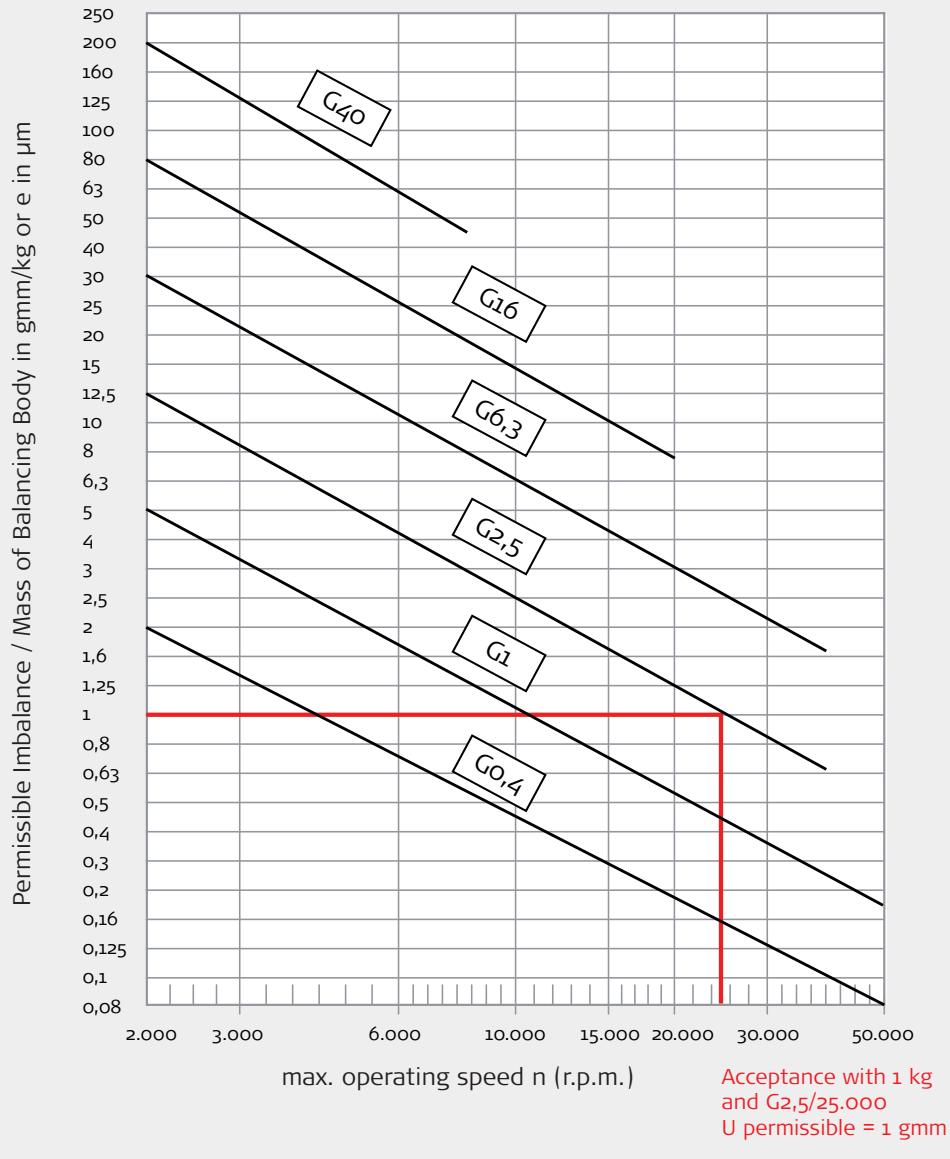
Limits to Balancing Grade

According to ISO standard 1940, the balancing standard is described using G. The balancing standard G corresponds to g/mmkg or μm and is in relation to the speed.

As an explanation: At a speed of 9,500 r.p.m and a weight of 1 kg G2.5 means a permissible offset between the rotational axis and the centre of gravity axis of the spindle of 2.5 μm . At a speed of 19,000 r.p.m. it would be 1.25 μm and at 38,000 r.p.m. 0.625 μm . If the tool holder together with the tool weighs half the amount, i.e. 0.5 kg, the balance will also be halved.

Until now, so as to minimise guarantee claims the machine or spindle manufacturers demanded such excessively fine balancing that their demands could only be met by balancing the chuck and the cutter on the machine spindle.

In order to avoid the high economic costs this caused, draft standard DIN 69888 covering balancing requirements on rotating tool systems was agreed jointly by the machine, spindle, balancing machine and tool manufacturers. The standard is a sensible solution in both technical and economic terms, since in that norm all residual imbalances are indicated in "gmm" and **not** assigned to a balance grade. Moreover, possible tool change faults are considered.



Grade steps to DIN ISO 1940-1

Permissible residual imbalances in relation to the balancing body weight for different grade steps G depending on the highest operating speed

General Formula

$$G = e \times \omega = \frac{U}{m_r} \times \frac{2 \times \pi \times n}{60} = \frac{U \times \pi \times n}{m_r \times 30}$$

then $U = \frac{G \times m_r \times 30}{\pi \times n}$

G = Balancing grade step

[mm/s]

e = Centre of gravity concentricity, related imbalance

[gmm/kg or μm]

n = Speed

[r.p.m.]

U = Imbalance

[gmm]

ω = Angular velocity

[1/sec]

m_r = Weight of the tool or the rotor

[g]

BALANCING

Explanations to our Balancing Information

G2,5 / 25000 r.p.m. or U ≤ 1 gmm

Calculation of the Total Balancing Grade

of the assembled system (spindle • tool holder • tool)

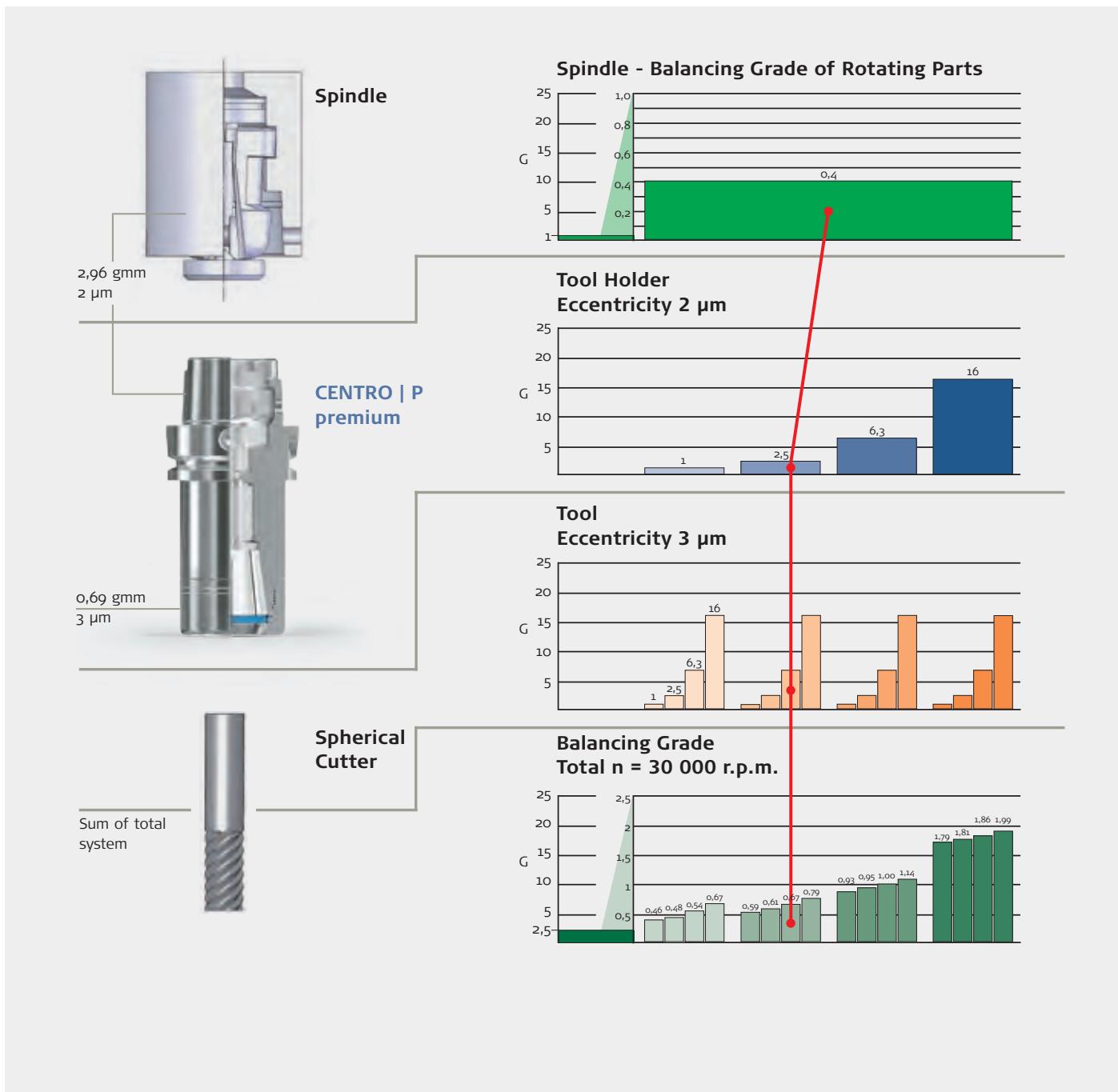


Illustration of Balancing Grade Total

$$U_{\text{total}} = U_{\text{Spindle}} + U_{\text{Tool holder}} + U_{\text{Tool}}$$

Example

$$U_{\text{total}} = U_{\text{Spindle (G 0,4)}} + U_{\text{Tool holder (G2,5)}} + U_{\text{Tool (G6,3)}}$$

Calculation of Eccentricity

$$U = \frac{G \times 60}{2 \times \pi \times n} \times m$$

m in g U in gmm

$$U_{\text{Spindle}} = \frac{0,4 \times 60}{2 \times \pi \times 30.000} \times 15.000 = 1,910$$

$$U_{\text{Tool holder}} = \frac{2,5 \times 60}{2 \times \pi \times 30.000} \times 1.487 = 1,176$$

$$U_{\text{Tool}} = \frac{6,3 \times 60}{2 \times \pi \times 30.000} \times 230 = 0,461$$

16.708 3.547
m_{total} in g U_{total} in gmm

Balancing grade conversion of the total system

$$G = U_{\text{total}} \times 2 \times \pi \times \frac{n}{60 \times m_{\text{total}}}$$

Example

$$G = 3,547_{\text{GMM}} \times 2 \times \pi \times \frac{30.000 \times \text{r.p.m.}}{60 \times 16.708 \text{g}} = 0,67$$

Calculation scheme with kind permission of Gühring oHG, Albstadt

ICON DESCRIPTIONS



All products with this icon are protected with
FAHRION | Protect

AD

**Coolant supply through the centre form AD
(pull studs form A)**

- FAHRION designation for DIN 69871-1 = AD and for JIS B 6339 = BT

AD/B

**Coolant supply through the centre or through
the flange form AD/B (pull stud form B)**

- FAHRION designation for DIN 69871-1 = B and for JIS B 6339 = BTB

**G 2,5
25.000
resp.
U≤1gmm**

Fine balanced

Balancing quality G 2.5 / 25.000 r.p.m. or
permissible residual imbalance $U \leq 1$ gmm



Concentricity

Measured at $3 \times D$ overhang



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