



**DR. MÜLLER**  
**DIAMANTMETALL®**

# INDIVIDUAL **PREMIUM**



PRODUCT CATALOGUE  
**GRINDING WHEEL  
ADAPTER**



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THE BOARD OF MANAGEMENT:  
Marcus Kanis

CHAIRPERSON OF  
THE SUPERVISORY BOARD:  
Prof. Dr. Dr. Claudius Schikora

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IBAN: DE37703510300009278888  
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COMMERCIAL REGISTER:  
Munich, HRB 168843

VAT ID NO.: DE255272026  
TAX NO.: 119/120/09906

YOUR CUSTOMER NUMBER:

▲ ORDER BY E-MAIL  
[vertrieb@muedia.de](mailto:vertrieb@muedia.de)

▲ ORDER BY FAX  
+49 (0)881 / 90 11 55 - 100

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+49 (0)881 / 90 11 55 - 108

YOUR PERSONAL CONTACT PARTNER:

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# INDIVIDUAL PREMIUM



For **MAXIMUM EFFICIENCY**  
in the grinding process





**DR. MÜLLER  
DIAMANTMETALL®**



# INDIVIDUAL PREMIUM

Tell us what grinding operation you are currently planning. We will advise you personally and develop the grinding wheel that meets your individual needs exactly. For the highest quality or reliable reproducibility. For productive processes, extended life and calculable investment security. For fascinating grinding performance and continuous optimisation – your requirements are our challenges.

MDT-532 ES D126

X-48167

EN13236 Vmax:80m/s

676368/01





## THE COMPANY

Dr. Müller Diamantmetall AG is a company with a remarkable tradition. Its founder, Dr. Wilhelm Müller, invented the metal-bonded diamond grinding wheel in 1935, laying the foundation stone for the company, and to the present day Dr. Müller Diamantmetall AG remains an owner-operated enterprise, with the third generation of the family in charge of its operations.

## KNOW-HOW

Thanks to the use of cutting-edge database technology, we are now able to draw on expert knowledge acquired over more than 80 years of diamond tool production. Our own R&D department develops innovative solutions to meet the most complex requirements, while countless innovations and patents highlight our creativity when it comes to developing ingenious technical solutions. This extensive competence in the development of solutions for all application areas guarantees added value from close cooperation with the customer – ensuring the added value that leads to outstanding customer products.

## QUALITY

We guarantee ultimate quality and precision for our customers. This professionalism is backed by a database-driven process error management system and DIN ISO 9001:2008 certification since the year 2000.

Thus, you are assured of end-to-end quality control, reproducible product quality and maximum efficiency in your grinding process.

# THE COMPANY MANUFACTURING

Dr. Müller Diamantmetall AG is located just a stone's throw from Starnberger See. It is a manufacturer like those in the Swiss watch making industry – precision in all respects.







# COMPANY HISTORY

# INNOVATION FOR

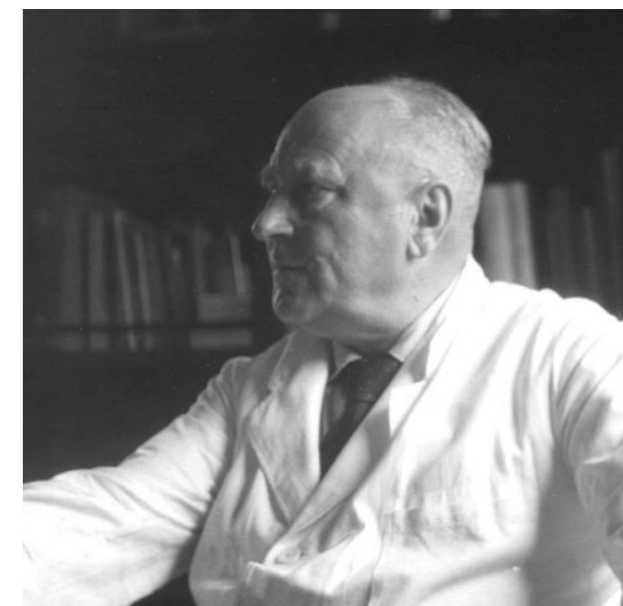
# MORE THAN 80 YEARS



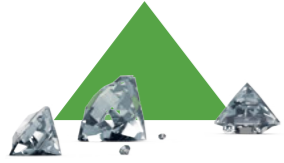
As an experienced solution partner, Dr. Müller Diamantmetall AG with its Individual Premium brand Dr. Müller Diamantmetall has been there for over 5,000 customers worldwide since more than 80 years.

- ▲ 2017  
Ferox – the multi-talent for circumference and face machining.
- ▲ 2014  
Progress in occupational safety. Drastic reduction of permanent grinding noise in peel grinding with the SilencePro product innovation.
- ▲ 2011  
Extension of digital production control and expansion of company management.
- ▲ 2008  
Relocation of production and administration to the new facilities of the third plant in Weilheim, Upper Bavaria.
- ▲ 2008  
The XT690 bonding concept makes the grinding process even more efficient and expands the portfolio with a new high-performance bond.
- ▲ 2006  
Acquisition and continuation of the company in the third generation by Michael Schulze, grandson of the company's founder.

- ▲ 2004  
Beginning of a new technical era through the development of the novel high-performance bonding concept PowerOne.
- ▲ 2002  
Expansion of production space with the construction of a second plant in Weilheim, Upper Bavaria.
- ▲ 1989  
Start of production of ceramic-bonded diamond and CBN grinding wheels.
- ▲ 1970  
Start of production and sales of diamond dressing rolls.
- ▲ 1969  
Start of production of resin- and metal bonded CBN grinding wheels.
- ▲ 1965  
Start of production of resin-bonded diamond grinding wheels.
- ▲ 1963  
Start of production of diamond dressing tools.
- ▲ 1962  
Continuation of the company by the second generation after the death of its founder.
- ▲ 1955  
Relocation to our own production facilities in Feldafing on the Starnberger See.
- ▲ 1947  
Resumption of production in the greater Munich area.
- ▲ 1944  
Destruction of the company in the war.
- ▲ 1935  
Founding of the company by Dr. Wilhelm Müller in Berlin. Patent registration and production of metal-bonded diamond grinding wheels.







# MAXIMUM EFFICIENCY

Tell us what technical project you are currently planning. We provide you with personal, competent advice. We develop the best solution for your grinding application – as individual as you wish. That guarantees maximum efficiency in your grinding process.







# INCREDIBLE DIVERSITY



More than 155,000 grinding wheel versions in the precision abrasives segment await you in our product portfolio. Our R&D department develops innovative solutions to meet the most complex requirements. We are your partner for completely new development with outstanding vertical integration, based on our knowledge of an incredible diversity of existing solutions.



# EXTREMELY LONG LIFE

Our company is your partner for high-quality products with more than 80 years of experience in the production of CBN and diamond tools.







## REASSURING CONSISTENCY

As the inventor of the metal-bonded diamond grinding wheel, we have stood by the side of more than 5,000 customers worldwide since 1935. Reap the benefits of our technical solution creativity and our reliable, reproducible product quality for better performance and enhanced safety in your processes.







# PERSONAL CONSULTING INDIVIDUAL SERVICE



We are committed to facing the challenges of the future in close collaboration and at eye level with our customers.

Perhaps you would like to exchange ideas, technician to technician, leading up to new technical challenges. Maybe you want to pursue the continuous improvement of your grinding methods in operational practice as part of dedicated after-sales support, or you need to re-profile and re-sharpen your Dr. Müller Diamantmetall grinding tools. We are available directly on site when needed, getting you ahead with supplementary services.

## IMPLEMENTATION AND START-UP PHASE

In order to put your new grinding wheel from Dr. Müller Diamantmetall to use as quickly and easily as possible, one of our experienced application engineers will be happy to assist you in the implementation and start-up phase by request.

## AFTER-SALES SUPPORT

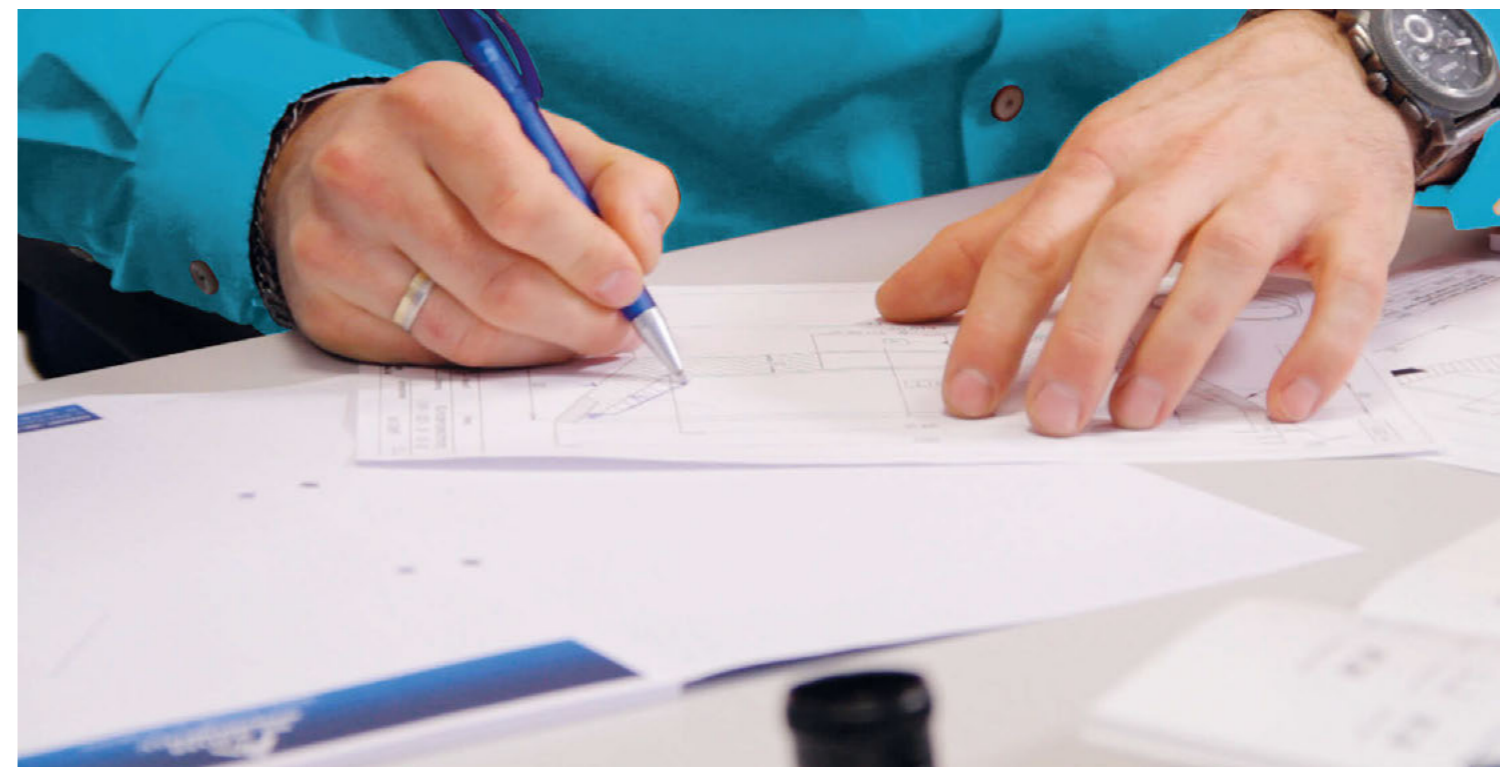
New processes require ongoing review. We consider after-sales support an important part of our work in order to guarantee the ongoing improvement of your processes.

## REPAIR MANAGEMENT

Trouble-free production without unoccupied time is the main goal of any production manager. We are happy to help you reach this goal with our competent repair service.

## EDUCATION AND USER TRAINING

Your employees have extensive knowledge of your existing processes. We design user education and training by customer request for specific, defined technical topics. The objective is to teach your employees about grinding-related topics and therefore enhance their knowledge.







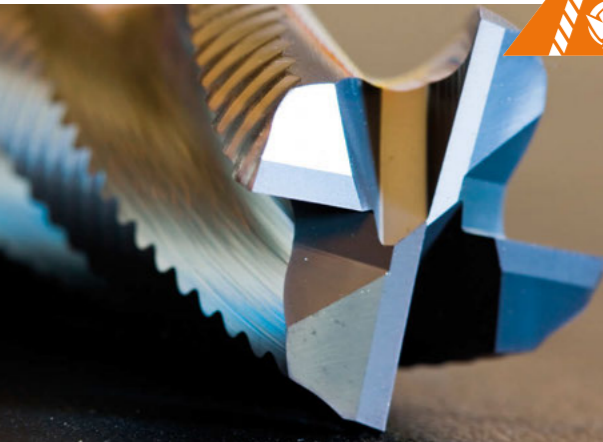
# NEW REQUIREMENTS DAILY FOCUS INDUSTRIES

The continuous success of a technical solution provider at our level depends on the ability to consider the specific requirements of our customers in their various industries. We have always risen to this special challenge.



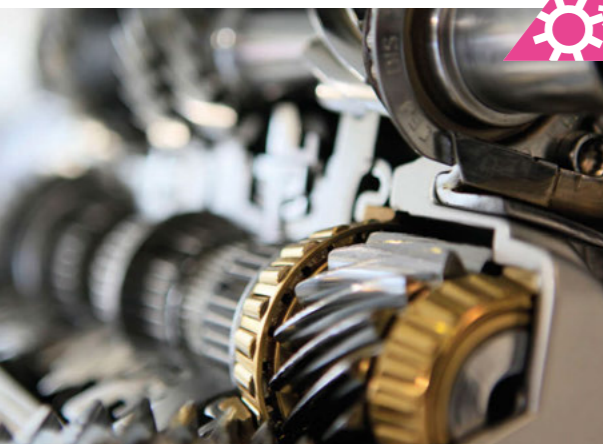
## TOOL INDUSTRY

- A grinding wheel optimised to meet your requirements guarantees process stability and high removal rates, even in particularly rough production environments.
- Outstanding results in terms of the material removal rate, ease of cutting and edge stability for all drilling, milling, turning and grinding needs.



## MECHANICAL ENGINEERING

- Your number one choice for special tools and standard products with the highest machining performance, dimensional accuracy, edge stability and profile accuracy.
- Comprehensive consulting for the design of individual CBN and diamond tools for process security in outer circular grinding, flat/slideway and ball bearing spindle grinding.



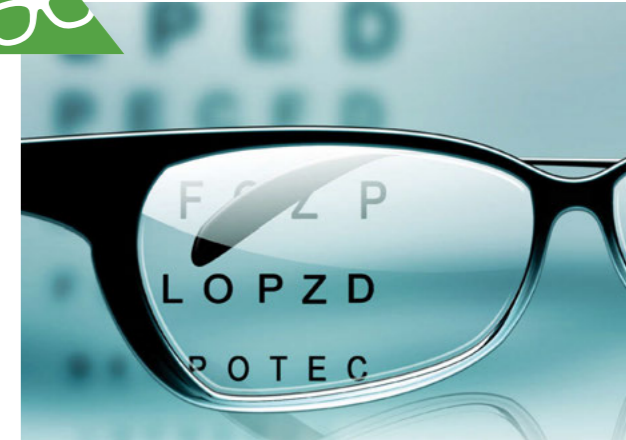
## AVIATION AND AEROSPACE

- Our custom-made solutions ensure you consistently get the optimum precision tool: even for materials with very high machining demands, such as Titanium, Hastelloy and Astelloy.
- New development of customer-specific products with a clear focus on maximum edge stability, reproducible quality, ease of cutting and machining accuracy.



## OPTICAL INDUSTRY

- Precision from A to Z ensures flawless surface finishes as well as reliability and reproducibility for all cutting, drilling and fine grinding applications.
- Industry-optimised solutions: scooping, complex combination and micro-tools, aspheric fine grinding and sapphire and quartz processing.



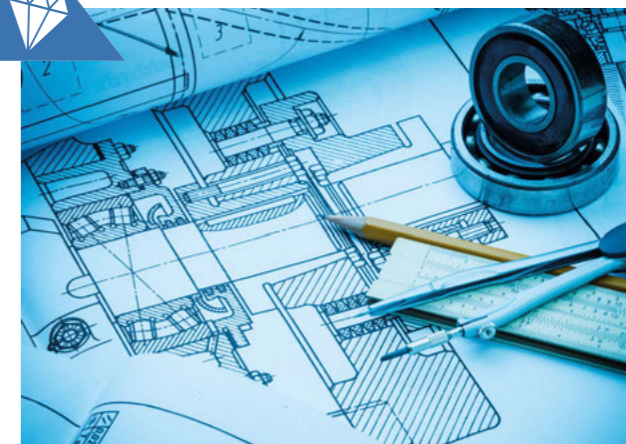
## AUTOMOTIVE

- Our flexible production, warehousing and shipping system ensures the fast and reliable delivery of your individual abrasives.
- Efficient precision tools with an extended life and long dressing intervals for grinding valves, camshafts and gear shafts, among other applications.



## GENERAL APPLICATIONS

- 155,000 grinding wheel versions: including the ideal solution for your increasingly complex grinding operations.
- More than 80 years of proven competency in developing solutions for all fields of application: added value through partnership and cooperation, added value through your outstanding end product.







# AT HOME IN BAVARIA AND ACTIVE AROUND THE WORLD **MADE IN GERMANY**

We are active in the following countries:

- Central, Northern, Eastern, Southern and Western Europe
- Turkey
- Israel
- Russian Federation
- India
- Sri Lanka
- Thailand
- Singapore
- Malaysia
- Hong Kong
- China
- Japan
- South Korea
- Canada
- USA
- Chile
- Mexico
- Brazil
- South Africa

## CONTENTS

The perfect grinding wheel and grinding wheel holder from a single source	24-25
ANCA	26-39
Deckel / ISOG	40-41
EWAG	42-45
Haas	46-50
Hawema	51-52
Reinecker	53-55
Rollomatic	56-63
Saacke	64-66
Schneeberger	67-73
Schütte	74-77
SMP	78-79
Strausak	80-85
TTB	86
Vollmer	87-88
Walter	89-96
Zaro	97-98
Finely balanced adapters HSK50 / SK40 / SK50	99-100
Adapters SK40 and SK50 on HSK tool adapters	101
Reduction adapters for grinding wheel adapters	102
Test and adjusting mandrels	103
Balancing technology	104
Overview of useful accessories	105
Assembly drawing for your order	106





# GRINDING WHEEL AND GRINDING WHEEL ADAPTER THE PERFECT SYMBIOSIS

We create the perfect connection between our tools and your tool grinding machine. As a provider of technical solutions at the highest level, we have for over 80 years dedicated ourselves to the challenge of perfecting your grinding process with the highest quality.

In order to help you achieve even more efficient and precise grinding results, we are as of now supplying the right grinding wheel adapter from GDS Präzisionszerspanungs GmbH to match our grinding wheels. To ensure that both workpieces are perfectly matched, we deliver the individual parts to you fully assembled, dressed and balanced.



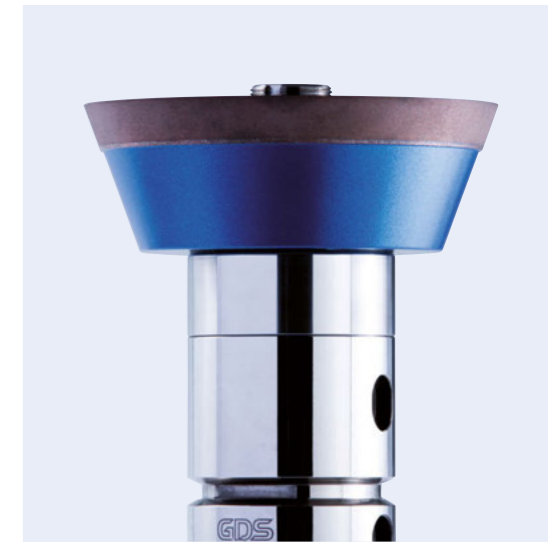
Because no matter which machine you work in your production, we have the right holder and the corresponding accessories from the following machine manufacturers in our range:

Anca	Reinecker	SMP
Deckel / ISOG	Rollomatic	Strausak
Ewag	Saacke	TTB
Haas	Schneeberger	Walter
Hawema	Schütte	Zaro

## YOUR NOTICEABLE ADDED VALUE THROUGH MORE PERFORMANCE

**Outstanding grinding result through increased edge stability:** The dressing and balancing of the grinding wheel on the mount improves the edge stability and profile stability of our tool. As a result, your products receive an improved surface quality and an optimal grinding surface pattern.

**Optimised grinding performance through improved stock removal rate:** By correctly coordinating grinding wheels and adapters, you minimise wear, improve the stock removal rate and increase the machining rate of our tool many times over.



## YOUR NOTICEABLE ADDED VALUE THROUGH MORE PRECISION

**Cost reduction in the grinding process through very precise concentricity tolerances:** The perfect interaction of grinding wheels and adapters sustainably protects your tool grinding machine.

Our grinding wheel adapters offer impressive high-precision dimensional and position tolerances, sustainably eliminating unnecessary effects on your machine spindle. This lowers your process costs and increases your productivity.



## YOUR NOTICEABLE ADDED VALUE THROUGH MORE SERVICE

**We provide you with top quality consulting:** Proven GDS quality paired with our technical consulting. We are your on-site partner and provide you with technical consulting for your individual solution directly at the machine.

**Order the quality you are used to:** Give us your GDS article number and we will deliver the appropriate mount. The grinding wheel adapters are identical thanks to ongoing material quality controls, ensuring the highest reproducible quality of your grinding process for years.

**Have your grinding wheel package delivered ready to use:** When you order a new grinding wheel and holder of Dr. Müller Diamantmetall, we will be happy to deliver it to you already dressed, balanced and assembled according to your wishes.

## SERVICES AND PRICES\*

Assembly - dressing - balancing (assembly takes place according to your specifications)		
1 grinding wheel on one mount	2 grinding wheels on one mount	3 grinding wheels on one mount
45.00 euros	55.00 euros	65.00 euros

\*Only valid in combination with a new grinding wheel from Dr. Müller Diamantmetall and a new grinding wheel mount ordered from us. Third-party tools are exempt from this service. We are happy to provide an individual quotation for mounting grinding wheels with custom profiles. All prices are subject to the statutory VAT.

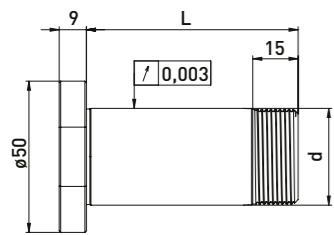
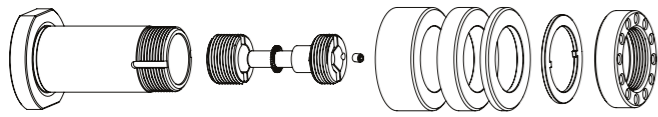




## ANCA Internal taper 30 // Shaft $\varnothing$ 32 mm // RS $\varnothing$ 50 mm

For ANCA tool grinding machines with ring set  $\varnothing$ 50 mm  
with integrated clamping and press-off system (M8 bolt)

### GWA Internal taper 30 // $\varnothing$ 32 mm // RS $\varnothing$ 50 mm

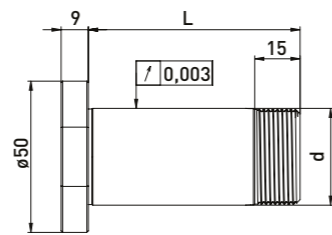
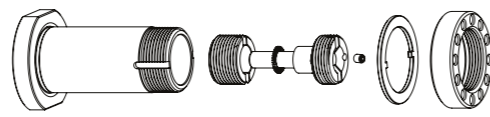


Delivered equipped:  
Installation system, ring set  $\varnothing$ 50 mm, lock washer and clamping nut ANCA with balancing hole

Ring set  $\varnothing$ 50 mm

Order No.	Internal taper	d	L	B20	B10	B4
300020612	30	32	53	1	1	2
300020622	30	32	70	1	2	4
300020632	30	32	85	2	2	3
300020642	30	32	100	2	3	4

### GWA Internal taper 30 // $\varnothing$ 32 mm // without RS



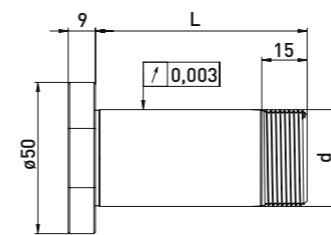
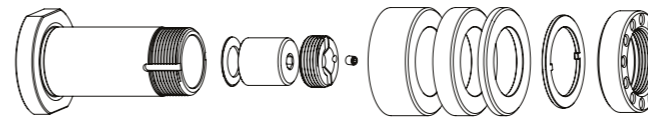
Delivered equipped:  
Installation system, lock washer and clamping nut ANCA with balancing hole

Order No.	Internal taper	d	L
300020611	30	32	53
300020621	30	32	70
300020631	30	32	85
300020641	30	32	100

## ANCA Internal taper 30 // Shaft $\varnothing$ 32 mm // RS $\varnothing$ 50 mm

For ANCA tool grinding machines with ring set  $\varnothing$ 50 mm  
with integrated clamping and press-off system (M14 x 1.5 nut)

### GWA Internal taper 30 // $\varnothing$ 32 mm // RS $\varnothing$ 50 mm

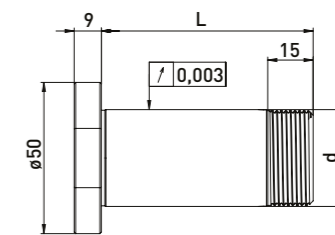
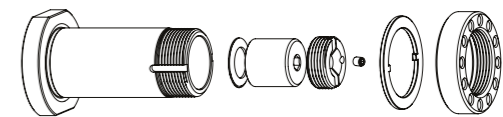


Delivered equipped:  
Installation system, ring set  $\varnothing$ 50 mm, lock washer and clamping nut ANCA with balancing hole

Ring set  $\varnothing$ 50 mm

Order No.	Internal taper	d	L	B20	B10	B4
300020212	30	32	53	1	1	4
300020222	30	32	70	1	2	4
300020232	30	32	85	2	2	3
300020242	30	32	100	2	3	4

### GWA Internal taper 30 // $\varnothing$ 32 mm // without RS



Delivered equipped:  
Installation system, lock washer and clamping nut ANCA with balancing hole

Order No.	Internal taper	d	L
300020211	30	32	53
300020221	30	32	70
300020231	30	32	85
300020241	30	32	100

## ANCA grinding wheel adapter Internal taper 30 // Shaft $\varnothing$ 32 mm // Ring set $\varnothing$ 50mm

Order No.	Name	
350050010	Universal assembly device $\varnothing$ 50	
350040030	Clamping nut wrench PC39 for ANCA nut	
350020102	ANCA installation system with M8 screw	
350060011	Assembly wrench set installation system ANCA (SW 6 + SW 2)	
750000001	Clamping wrench SW 6,0 x 150	
350020027	*Balancing weight pair for clamping nut $\varnothing$ 47 // 70gmm	

Order No.	Name	
350011220	Spacer ring $\varnothing$ 50 x $\varnothing$ 32 x 20	
350011210	Spacer ring $\varnothing$ 50 x $\varnothing$ 32 x 10	
350011204	Spacer ring $\varnothing$ 50 x $\varnothing$ 32 x 4	
350030040	Lock washer $\varnothing$ 43 x $\varnothing$ 32 x 2	
350020050	Clamping nut ANCA balancing hole $\varnothing$ 47 x 12 M31,5 x 1,5	
350020026	*Clamping nut with balancing option $\varnothing$ 47 x 12 M31,5 x 1,5	

## Accessories ANCA grinding wheel adapter Internal taper 30 // Shaft $\varnothing$ 32 mm // Ring set $\varnothing$ 50 mm

Order No.	Name	
350050010	Universal assembly device $\varnothing$ 50	
350040030	Clamping nut wrench PC39 for ANCA nut	
350020101	Installation system with M14 x 1.5 nut	
350060011	Assembly wrench set installation system ANCA (SW 6 + SW 2)	
750000001	Clamping wrench SW 6,0 x 150	
350020027	*Balancing weight pair for clamping nut $\varnothing$ 47 // 70gmm	

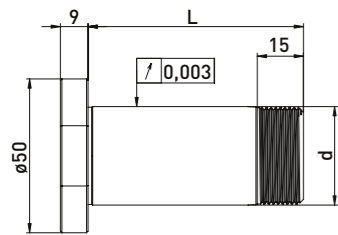
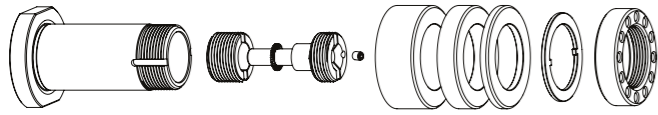
Order No.	Name	
350011220	Spacer ring $\varnothing$ 50 x $\varnothing$ 32 x 20	
350011210	Spacer ring $\varnothing$ 50 x $\varnothing$ 32 x 10	
350011204	Spacer ring $\varnothing$ 50 x $\varnothing$ 32 x 4	
350030040	Lock washer $\varnothing$ 43 x $\varnothing$ 32 x 2	
350020050	Clamping nut ANCA balancing hole $\varnothing$ 47 x 12 M31,5 x 1,5	
350020026	*Clamping nut with balancing option $\varnothing$ 47 x 12 M31,5 x 1,5	



## ANCA Internal taper 30 // Shaft $\varnothing 31,75$ mm (1¼) // RS $\varnothing 50$ mm

For ANCA tool grinding machines with ring set  $\varnothing 50$  mm  
with integrated clamping and press-off system (M8 bolt)

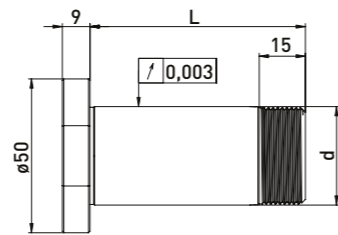
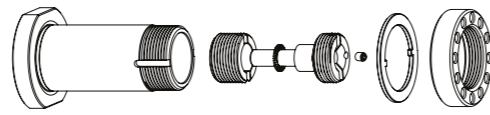
### GWA Internal taper 30 // $\varnothing 31,75$ mm (1¼) // RS $\varnothing 50$ mm



Delivered equipped:  
Installation system, ring set  $\varnothing 50$  mm, lock washer and clamping nut ANCA balancing hole

Order No.	Internal taper	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300020512	30	31,75	53	1	1	2
300020522	30	31,75	70	1	2	4
300020532	30	31,75	85	2	2	3
300020542	30	31,75	100	2	3	4

### GWA Internal taper 30 // $\varnothing 31,75$ mm // without RS



Delivered equipped:  
Installation system, lock washer and clamping nut ANCA balancing hole

Order No.	Internal taper	d	L
300020521	30	31,75	70
300020531	30	31,75	85
300020541	30	31,75	100

### Accessories ANCA grinding wheel adapter Internal taper 30 // Shaft $\varnothing 31,75$ mm (1¼) // Ring set $\varnothing 50$ mm

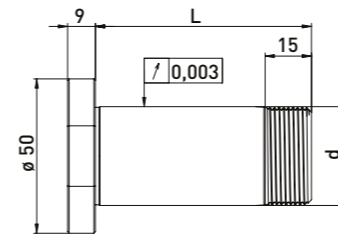
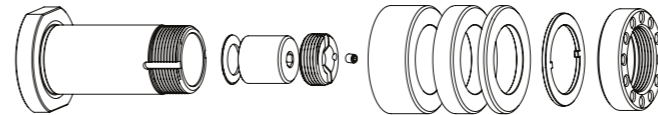
Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040030	Clamping nut wrench PC39 for ANCA nut	
350020102	ANCA installation system with M8 screw	
350060011	Assembly wrench set installation system ANCA (SW 6 + SW 2)	
750000001	Clamping wrench SW 6,0 x 150	
350020027	*Balancing weight pair for clamping nut $\varnothing 47$ // 70gmm	

Order No.	Name	
350011120	Spacer ring $\varnothing 50$ x $\varnothing 31,75$ x 20	
350011110	Spacer ring $\varnothing 50$ x $\varnothing 31,75$ x 10	
350011104	Spacer ring $\varnothing 50$ x $\varnothing 31,75$ x 4	
350030040	Lock washer $\varnothing 43$ x $\varnothing 32$ x 2	
350020050	Clamping nut ANCA balancing hole $\varnothing 47$ x 12 M31,5 x 1,5	
350020026	*Clamping nut with balancing option $\varnothing 47$ x 12 M31,5 x 1,5	

## ANCA Internal taper 30 // Shaft $\varnothing 31,75$ mm (1¼) // RS $\varnothing 50$ mm

For ANCA tool grinding machines with ring set  $\varnothing 50$  mm  
with integrated clamping and press-off system (M14 x 1.5 nut)

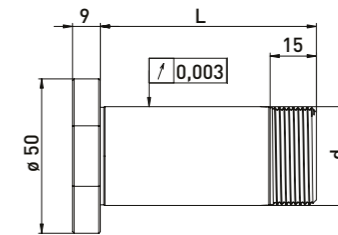
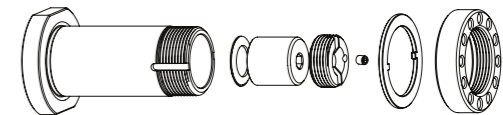
### GWA Internal taper 30 // $\varnothing 31,75$ mm (1¼) // RS $\varnothing 50$ mm



Delivered equipped:  
Installation system, ring set  $\varnothing 50$  mm, lock washer and clamping nut ANCA balancing hole

Order No.	Internal taper	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300020112	30	31,75	53	1	1	2
300020122	30	31,75	70	1	2	4
300020132	30	31,75	85	2	2	3
300020142	30	31,75	100	2	3	4

### GWA Internal taper 30 // $\varnothing 31,75$ mm // without RS



Delivered equipped:  
Installation system, lock washer and clamping nut ANCA balancing hole

Order No.	Internal taper	d	L
300020121	30	31,75	70
300020131	30	31,75	85
300020141	30	31,75	100

### Accessories ANCA grinding wheel adapter Internal taper 30 // Shaft $\varnothing 31,75$ mm (1¼) // Ring set $\varnothing 50$ mm

Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040030	Clamping nut wrench PC39 for ANCA nut	
350020101	Installation system with M14 x 1.5 nut	
350060011	Assembly wrench set installation system ANCA (SW 6 + SW 2)	
750000001	Clamping wrench SW 6,0 x 150	
350020027	*Balancing weight pair for clamping nut $\varnothing 47$ // 70gmm	

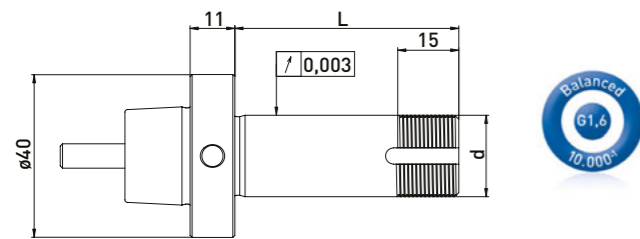
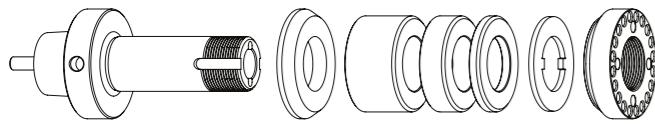
Order No.	Name	
350011120	Spacer ring $\varnothing 50$ x $\varnothing 31,75$ x 20	
350011110	Spacer ring $\varnothing 50$ x $\varnothing 31,75$ x 10	
350011104	Spacer ring $\varnothing 50$ x $\varnothing 31,75$ x 4	
350030040	Lock washer $\varnothing 43$ x $\varnothing 32$ x 2	
350020050	Clamping nut ANCA balancing hole $\varnothing 47$ x 12 M31,5 x 1,5	
350020026	*Clamping nut with balancing option $\varnothing 47$ x 12 M31,5 x 1,5	



## ANCA HSK-F40 // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For ANCA tool grinding machines with ring set  $\varnothing 35$  mm

### GWA HSK-F40 // $\varnothing 20$ mm // RS $\varnothing 35$ mm



Delivered equipped:  
Installation system, reducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

Order No.	HSK	d	L	Ring set $\varnothing 35$ mm		
				B20	B10	B4
300022012	HSK-F40	20	55	1	1	2
300022022	HSK-F40	20	72	1	2	3
300022032	HSK-F40	20	85	2	2	2
300022042	HSK-F40	20	95	2	3	2

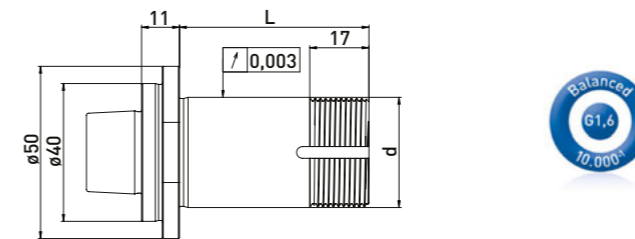
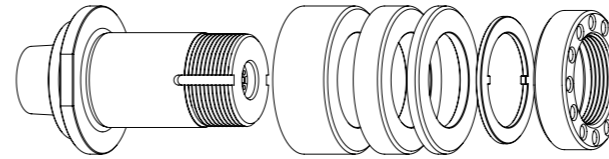
### Accessories ANCA grinding wheel adapter HSK-F40 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

Order No.	Name	Order No.	Name
350050050	Assembly device HSK40 $\varnothing 40$	350012020	Spacer ring $\varnothing 35 \times \varnothing 20 \times 20$
350040010	Clamping nut wrench PC27 for $\varnothing 20$	350012010	Spacer ring $\varnothing 35 \times \varnothing 20 \times 10$
350040011	Clamping nut wrench PC27 for $\varnothing 20$	350012004	Spacer ring $\varnothing 35 \times \varnothing 20 \times 4$
		350015006	Reducing washer $\varnothing 40 \times \varnothing 35 \times \varnothing 20 \times 6$
		350030020	Lock washer $\varnothing 50 \times \varnothing 20 \times 2$
		350020030	Clamping nut $\varnothing 35 \times 6$ M20 x 1 PC27
		350020070	Clamping nut $\varnothing 35 \times \varnothing 40 \times 12$ M20 x 1 with balancing bores M4

## ANCA manual HSK-F40 // Shaft $\varnothing 31,75$ mm (1¼) // RS $\varnothing 50$ mm

For ANCA tool grinding machines with ring set  $\varnothing 50$  mm  
with integrated clamping and press-off system M6 clamping screw

### GWA manual HSK-F40 // $\varnothing 31,75$ mm (1¼) // RS $\varnothing 50$ mm



Delivered equipped:  
Installation system, ring set  $\varnothing 50$  mm, lock washer and clamping nut ANCA balancing hole

Order No.	HSK	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300023112	HSK-F40	31,75	55	1	1	3
300023122	HSK-F40	31,75	72	2	1	2
300023132	HSK-F40	31,75	85	2	2	3
300023142	HSK-F40	31,75	95	3	1	3

### Accessories ANCA grinding wheel adapter manual HSK-F40 // Shaft $\varnothing 31,75$ mm (1¼) // Ring set $\varnothing 50$ mm

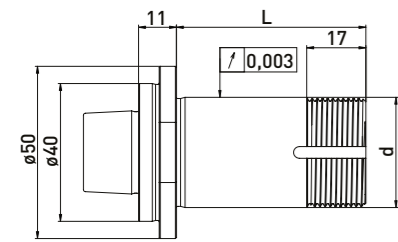
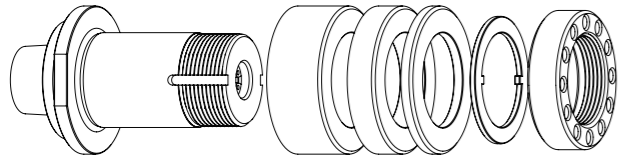
Order No.	Name	Order No.	Name
350050050	Assembly device HSK40 $\varnothing 40$	350011120	Spacer ring $\varnothing 50 \times \varnothing 31,75 \times 20$
350040030	Clamping nut wrench PC39 for ANCA nut	350011110	Spacer ring $\varnothing 50 \times \varnothing 31,75 \times 10$
350020027	*Balancing weight pair for clamping nut $\varnothing 47 // 70$ gmm	350011104	Spacer ring $\varnothing 50 \times \varnothing 31,75 \times 4$
		350030040	Lock washer $\varnothing 43 \times \varnothing 32 \times 2$
		350020050	Clamping nut ANCA balancing hole $\varnothing 47 \times 12$ M31,5 x 1,5
		350020026	*Clamping nut with balancing option $\varnothing 47 \times 12$ M31,5 x 1,5



## ANCA manual HSK-F40 // Shaft $\varnothing 32$ mm // RS $\varnothing 50$ mm

For ANCA tool grinding machines with ring set  $\varnothing 50$  mm  
with integrated clamping and press-off system M6 clamping screw

### GWA manual HSK-F40 // $\varnothing 32$ mm // RS $\varnothing 50$ mm

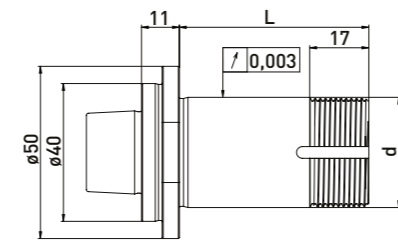
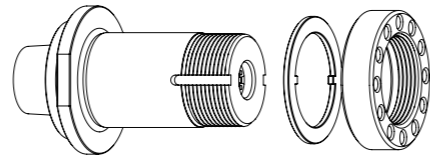


Delivered equipped:  
Installation system, ring set  $\varnothing 50$  mm, lock washer and clamping nut ANCA balancing hole

Ring set  $\varnothing 50$ mm

Order No.	HSK	d	L	B20	B10	B4
300023212	HSK-F40	32	55	1	1	3
300023222	HSK-F40	32	72	2	1	2
300023232	HSK-F40	32	85	2	2	3
300023242	HSK-F40	32	95	3	1	3

### GWA manual HSK-F40 // $\varnothing 32$ mm // without RS



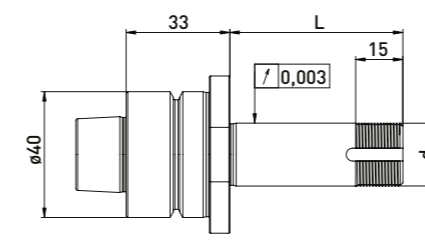
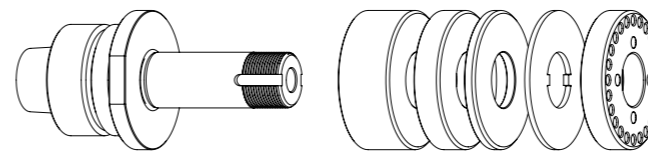
Delivered equipped:  
Installation system, lock washer and clamping nut ANCA balancing hole

Order No.	HSK	d	L
300023211	HSK-F40	32	55
300023221	HSK-F40	32	72
300023231	HSK-F40	32	85
300023241	HSK-F40	32	95

## ANCA automatic HSK-F40 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For ANCA tool grinding machines with ring set  $\varnothing 50$  mm

### GWA automatic HSK-F40 // $\varnothing 20$ mm // RS $\varnothing 50$ mm

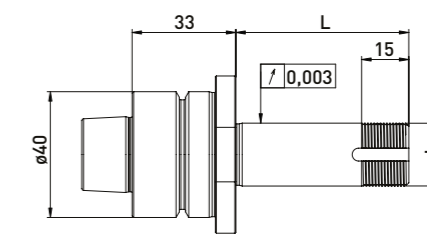
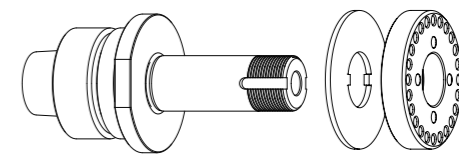


Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut ANCA with balancing hole

Ring set  $\varnothing 50$ mm

Order No.	HSK	d	L	B20	B10	B4
300025012	HSK-F40	20	55	1	1	3
300025022	HSK-F40	20	72	2	1	2
300025032	HSK-F40	20	85	2	2	3
300025042	HSK-F40	20	95	3	1	3

### GWA automatic HSK-F40 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut ANCA with balancing hole

Order No.	HSK	d	L
300025011	HSK-F40	20	55
300025021	HSK-F40	20	72
300025031	HSK-F40	20	85
300025041	HSK-F40	20	95

### Accessories ANCA grinding wheel adapter manual HSK-F40 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

Order No.	Name	
350050050	Assembly device HSK40 $\varnothing 40$	
350040030	Clamping nut wrench PC39 for ANCA nut	
350020027	*Balancing weight pair for clamping nut $\varnothing 47$ // 70gmm	

Order No.	Name	
350011220	Spacer ring $\varnothing 50$ x $\varnothing 32$ x 20	
350011210	Spacer ring $\varnothing 50$ x $\varnothing 32$ x 10	
350011204	Spacer ring $\varnothing 50$ x $\varnothing 32$ x 4	
350030040	Lock washer $\varnothing 43$ x $\varnothing 32$ x 2	
350020050	Clamping nut ANCA balancing hole $\varnothing 47$ x 12 M31,5 x 1,5	
350020026	*Clamping nut with balancing option $\varnothing 47$ x 12 M31,5 x 1,5	

### Accessories ANCA grinding wheel adapter automatic HSK-F40 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

Order No.	Name	
350050050	Assembly device HSK40 $\varnothing 40$	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	

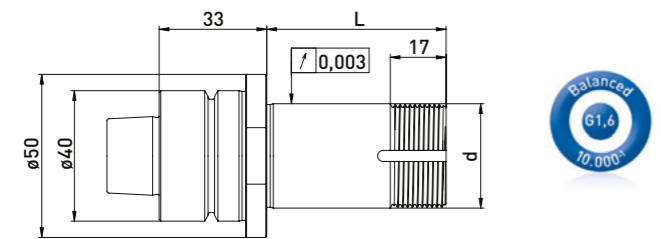
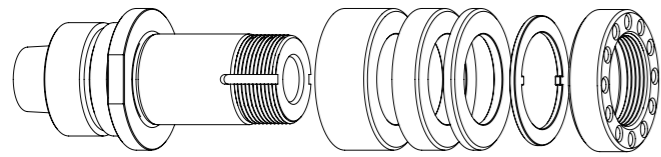
Order No.	Name	
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20	
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10	
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4	
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2	
350020051	Clamping nut ANCA $\varnothing 50$ x 9,5 M20 x 1	
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0	



## ANCA automatic HSK-F40 // Shaft $\varnothing 31,75$ mm (1¼) // RS $\varnothing 50$ mm

For ANCA tool grinding machines with ring set  $\varnothing 50$  mm

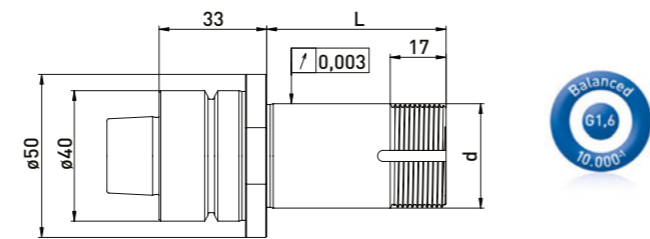
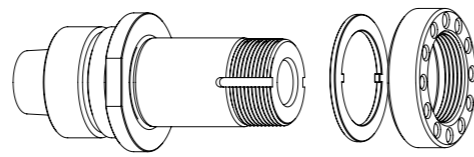
### GWA automatic HSK-F40 // $\varnothing 31,75$ mm (1¼) // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and and clamping nut ANCA balancing hole

Order No.	HSK	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300025112	HSK-F40	31,75	55	1	1	3
300025122	HSK-F40	31,75	72	2	1	2
300025132	HSK-F40	31,75	85	2	2	3
300025142	HSK-F40	31,75	95	3	1	3

### GWA automatic HSK-F40 // $\varnothing 31,75$ mm // without RS



Delivered equipped:  
Lock washer and and clamping nut ANCA balancing hole

Order No.	HSK	d	L
300025111	HSK-F40	31,75	55
300025121	HSK-F40	31,75	72
300025131	HSK-F40	31,75	85
300025141	HSK-F40	31,75	95

### Accessories ANCA grinding wheel adapter automatic HSK-F40 // Shaft $\varnothing 31,75$ mm (1¼) // Ring set $\varnothing 50$ mm

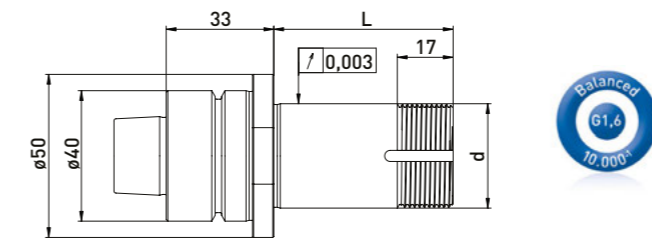
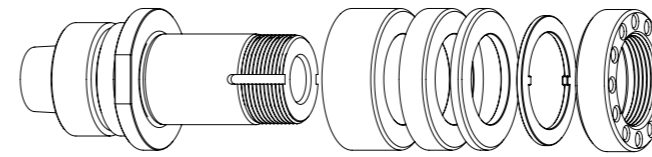
Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040030	Clamping nut wrench PC39 for ANCA nut	
350020027	*Balancing weight pair for clamping nut $\varnothing 47$ // 70gmm	

Order No.	Name	
350011120	Spacer ring $\varnothing 50$ x $\varnothing 31,75$ x 20	
350011110	Spacer ring $\varnothing 50$ x $\varnothing 31,75$ x 10	
350011104	Spacer ring $\varnothing 50$ x $\varnothing 31,75$ x 4	
350030040	Lock washer $\varnothing 43$ x $\varnothing 32$ x 2	
350020050	Clamping nut ANCA balancing hole $\varnothing 47$ x 12 M31,5 x 1,5	
350020026	*Clamping nut with balancing option $\varnothing 47$ x 12 M31,5 x 1,5	

## ANCA automatic HSK-F40 // Shaft $\varnothing 32$ mm // RS $\varnothing 50$ mm

For ANCA tool grinding machines with ring set  $\varnothing 50$  mm

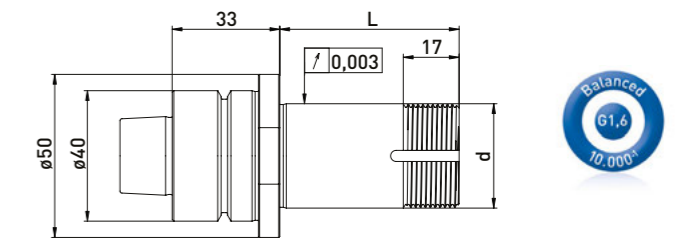
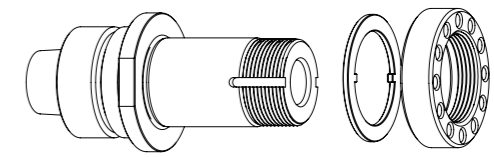
### GWA automatic HSK-F40 // $\varnothing 32$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut ANCA balancing hole

Order No.	HSK	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300025212	HSK-F40	32	55	1	1	3
300025222	HSK-F40	32	72	2	1	2
300025232	HSK-F40	32	85	2	2	3
300025242	HSK-F40	32	95	3	1	3

### GWA automatic HSK-F40 // $\varnothing 32$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut ANCA balancing hole

Order No.	HSK	d	L
300025211	HSK-F40	32	55
300025221	HSK-F40	32	72
300025231	HSK-F40	32	85
300025241	HSK-F40	32	95

### Accessories ANCA grinding wheel adapter automatic HSK-F40 // Shaft $\varnothing 32$ mm // Ring set $\varnothing 50$ mm

Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040030	Clamping nut wrench PC39 for ANCA nut	
350020027	*Balancing weight pair for clamping nut $\varnothing 47$ // 70gmm	

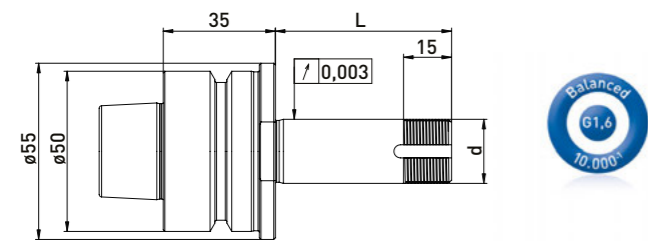
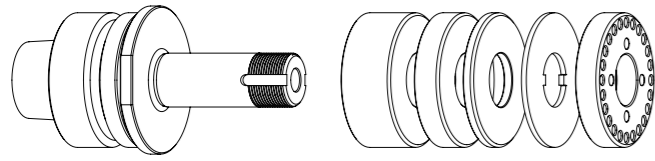
Order No.	Name	
350011220	Spacer ring $\varnothing 50$ x $\varnothing 32$ x 20	
350011210	Spacer ring $\varnothing 50$ x $\varnothing 32$ x 10	
350011204	Spacer ring $\varnothing 50$ x $\varnothing 32$ x 4	
350030040	Lock washer $\varnothing 43$ x $\varnothing 32$ x 2	
350020050	Clamping nut ANCA balancing hole $\varnothing 47$ x 12 M31,5 x 1,5	
350020026	*Clamping nut with balancing option $\varnothing 47$ x 12 M31,5 x 1,5	



## ANCA automatic HSK-F50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For ANCA tool grinding machines with ring set  $\varnothing 50$  mm

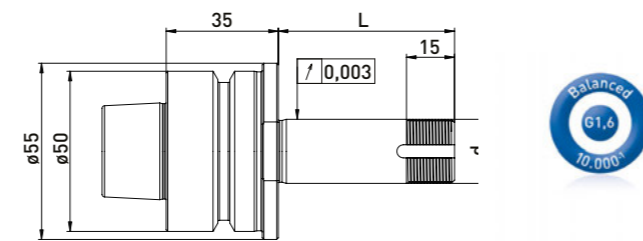
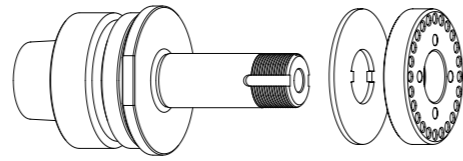
### GWA automatic HSK-F50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut ANCA balancing hole

Order No.	HSK	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300024012	HSK-F50	20	55	1	1	3
300024022	HSK-F50	20	72	2	1	2
300024032	HSK-F50	20	85	2	2	3
300024042	HSK-F50	20	95	3	1	3

### GWA automatic HSK-F50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut ANCA balancing hole

Order No.	HSK	d	L
300024011	HSK-F50	20	55
300024021	HSK-F50	20	72
300024031	HSK-F50	20	85
300024041	HSK-F50	20	95

### Accessories ANCA grinding wheel adapter automatic HSK-F50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

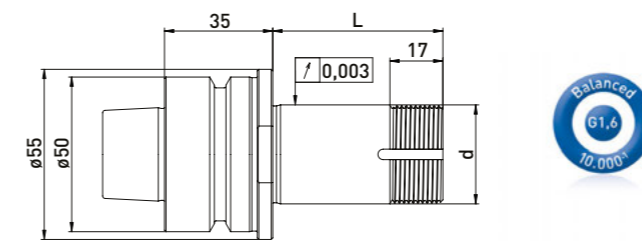
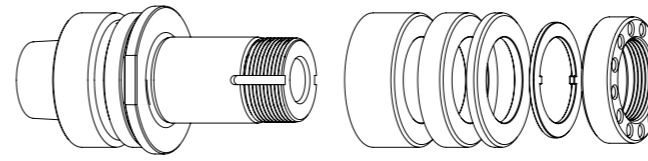
Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	

Order No.	Name	
350011020	Spacer ring $\varnothing 50 \times \varnothing 20 \times 20$	
350011010	Spacer ring $\varnothing 50 \times \varnothing 20 \times 10$	
350011004	Spacer ring $\varnothing 50 \times \varnothing 20 \times 4$	
350030010	lock washer $\varnothing 50 \times \varnothing 20 \times 2$	
350020051	Clamping nut ANCA $\varnothing 50 \times 9,5$ M20 x 1	
350020020	*Clamping nut with balancing option $\varnothing 50 \times 8,5$ M20 x 1,0 PC27	

## ANCA automatic HSK-F50 // Shaft $\varnothing 31,75$ mm (1¼) // RS $\varnothing 50$ mm

For ANCA tool grinding machines with ring set  $\varnothing 50$  mm

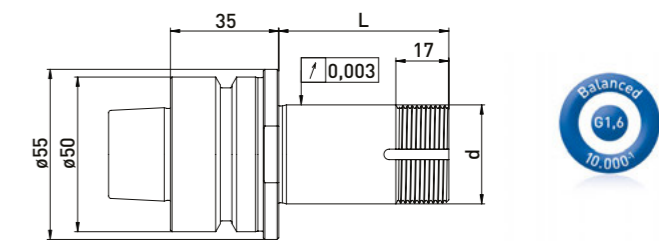
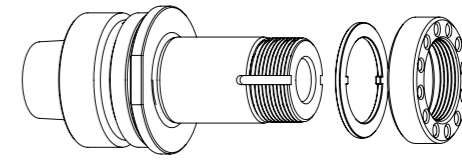
### GWA automatic HSK-F50 // $\varnothing 31,75$ mm (1¼) // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut ANCA balancing hole

Order No.	HSK	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300024112	HSK-F50	31,75	55	1	1	3
300024122	HSK-F50	31,75	72	2	1	2
300024132	HSK-F50	31,75	85	2	2	3
300024142	HSK-F50	31,75	95	3	1	3

### GWA automatic HSK-F50 // $\varnothing 31,75$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut ANCA balancing hole

Order No.	HSK	d	L
300024111	HSK-F50	31,75	55
300024121	HSK-F50	31,75	72
300024131	HSK-F50	31,75	85
300024141	HSK-F50	31,75	95

### Accessories ANCA grinding wheel adapter automatic HSK-F50 // Shaft $\varnothing 31,75$ mm (1¼) // Ring set $\varnothing 50$ mm

Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040030	Clamping nut wrench PC39 for ANCA nut	
350020027	*Balancing weight pair for clamping nut $\varnothing 47$ // 70gmm	

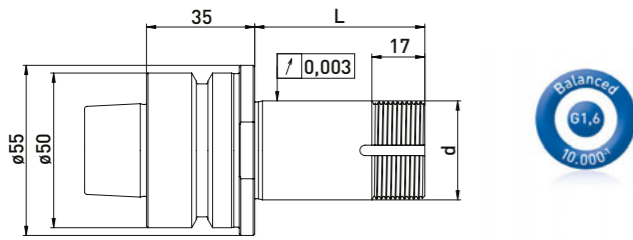
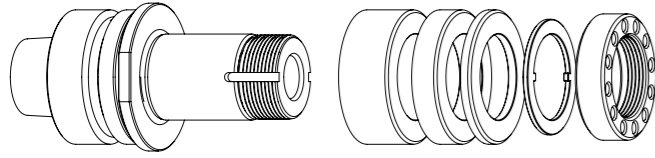
Order No.	Name	
350011120	Spacer ring $\varnothing 50 \times \varnothing 31,75 \times 20$	
350011110	Spacer ring $\varnothing 50 \times \varnothing 31,75 \times 10$	
350011104	Spacer ring $\varnothing 50 \times \varnothing 31,75 \times 4$	
350030040	Lock washer $\varnothing 43 \times \varnothing 32 \times 2$	
350020050	Clamping nut ANCA $\varnothing 47 \times 12$ M31,5x1,5	
350020026	*Clamping nut with balancing option $\varnothing 47 \times 12$ M31,5 x 1,5	



## ANCA automatic HSK-F50 // Shaft $\varnothing 32$ mm // RS $\varnothing 50$ mm

For ANCA tool grinding machines with ring set  $\varnothing 50$  mm

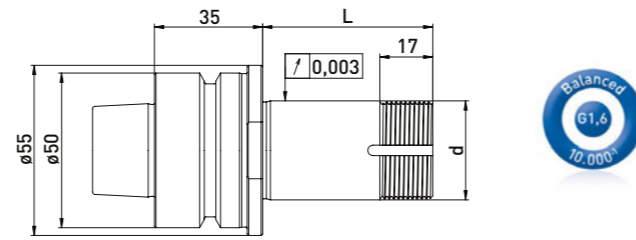
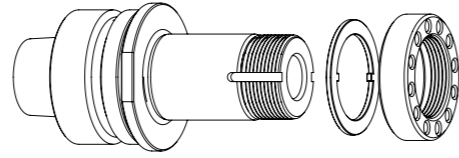
### GWA automatic HSK-F50 // $\varnothing 32$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut ANCA balancing hole

Order No.	HSK	d	L	Ring set $\varnothing 50$ mm		
				B 20	B 10	B 4
300024212	HSK-F50	32	55	1	1	3
300024222	HSK-F50	32	72	2	1	2
300024232	HSK-F50	32	85	2	2	3
300024242	HSK-F50	32	95	3	1	3

### GWA automatic HSK-F50 // $\varnothing 32$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut ANCA balancing hole

Order No.	HSK	d	L
300024211	HSK-F50	32	55
300024221	HSK-F50	32	72
300024231	HSK-F50	32	85
300024241	HSK-F50	32	95

### Accessories ANCA grinding wheel adapter automatic HSK-F50 // Shaft $\varnothing 32$ mm // Ring set $\varnothing 50$ mm

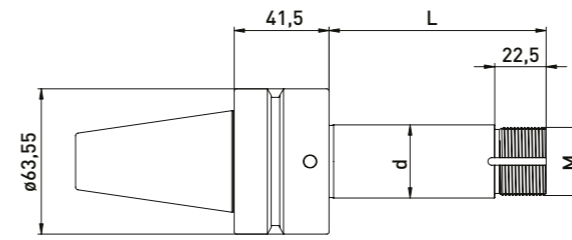
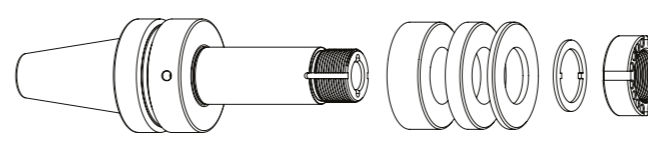
Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350040030	Clamping nut wrench PC39 for ANCA nut
350020027	*Balancing weight pair for clamping nut $\varnothing 47$ // 70gmm

Order No.	Name
350011220	Spacer ring $\varnothing 50$ x $\varnothing 32$ x 20
350011210	Spacer ring $\varnothing 50$ x $\varnothing 32$ x 10
350011204	Spacer ring $\varnothing 50$ x $\varnothing 32$ x 4
350030040	Lock washer $\varnothing 43$ x $\varnothing 32$ x 2
350020050	Clamping nut ANCA balancing hole $\varnothing 47$ x 12 M31,5 x 1,5
350020026	*Clamping nut with balancing option $\varnothing 47$ x 12 M31,5 x 1,5

## ANCA similar SK40 with flat contact face

For ANCA tool grinding machines

### GWA similar SK40 with flat contact face



Delivered equipped:  
Ring set, lock washer and clamping nut with balancing option

Order No.	Fine thread	d	L	Ring set		
				B 20	B 10	B 4
300026052	M20 x 1,5	20	95	2	2	4
300026152	M30 x 1,5	31,75	95	2	2	4
300026252	M30 x 1,5	32	95	2	2	4
300026952	M50 x 1,5	50,8	95	2	2	4

### Accessories GWA similar SK40 with flat contact face

Order No.	Name
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4
350011420	Spacer ring $\varnothing 60$ x $\varnothing 31,75$ x 20
350011410	Spacer ring $\varnothing 60$ x $\varnothing 31,75$ x 10
350011404	Spacer ring $\varnothing 60$ x $\varnothing 31,75$ x 4
350011320	Spacer ring $\varnothing 60$ x $\varnothing 32$ x 20
350011310	Spacer ring $\varnothing 60$ x $\varnothing 32$ x 10
350011304	Spacer ring $\varnothing 60$ x $\varnothing 32$ x 4
250000549	Spacer ring $\varnothing 75$ x $\varnothing 50,8$ x 20
250000548	Spacer ring $\varnothing 75$ x $\varnothing 50,8$ x 10
250000547	Spacer ring $\varnothing 75$ x $\varnothing 50,8$ x 4

### Accessories ANCA grinding wheel adapter similar SK40 with flat contact face

Order No.	Name
250000552	Lock washer $\varnothing 37$ x $\varnothing 20$ x 2
250000940	Lock washer $\varnothing 40$ x $\varnothing 30$ x 2
250000550	Lock washer $\varnothing 64$ x $\varnothing 50,2$ x 2

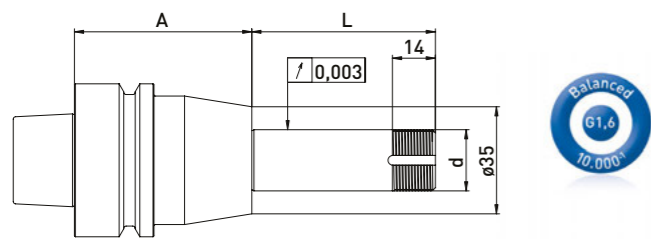
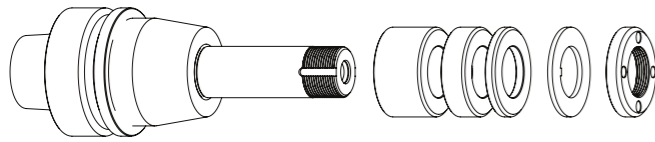
Order No.	Name
250000553	Clamping nut with balancing option $\varnothing 40$ x 17 M20 x 1,5
250000485	Clamping nut with balancing option $\varnothing 45$ x 17 M30 x 1,5
250000551	Clamping nut with balancing option $\varnothing 70$ x 19 M50 x 1,5
350300131	Hook wrench 40-42 mm
350300132	Hook wrench 45-50 mm
350300133	Hook wrench 68-75 mm



## Deckel/ISOG HSK-F50 // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For Deckel/ISOG tool grinding machines with ring set  $\varnothing 35$  mm

### GWA HSK-F50 // $\varnothing 20$ mm // RS $\varnothing 35$ mm

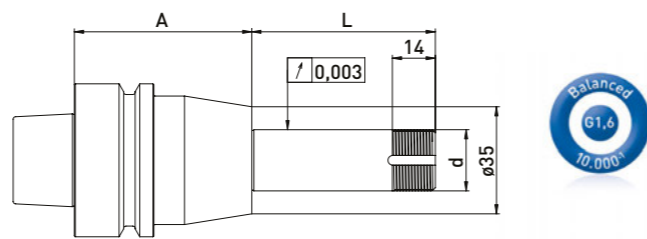
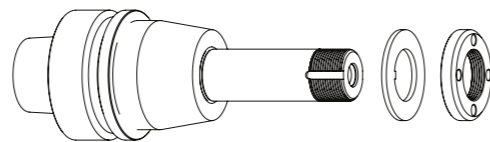


Delivered equipped:  
Ring set  $\varnothing 35$  mm, lock washer and clamping nut

#### Ring set $\varnothing 35$ mm

Order No.	HSK	d	L	A	B20	B10	B4
300032512	HSK-F50	20	48	38	-	2	4
300032522	HSK-F50	20	60	58	1	1	4
300032532	HSK-F50	20	90	58	2	2	4

### GWA HSK-F50 // $\varnothing 20$ mm // without RS



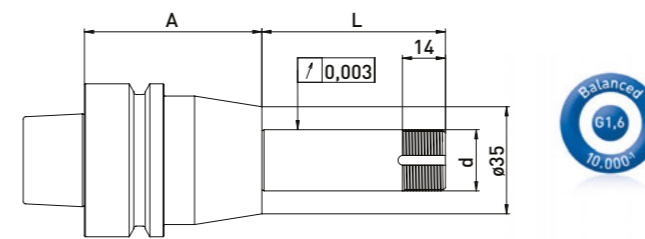
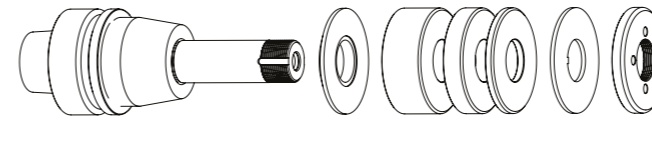
Delivered equipped:  
Lock washer and clamping nut

Order No.	HSK	d	L	A
300032511	HSK-F50	20	48	38
300032521	HSK-F50	20	60	58
300032531	HSK-F50	20	90	58

## Deckel/ISOG HSK-F50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Deckel/ISOG tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK-F50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm

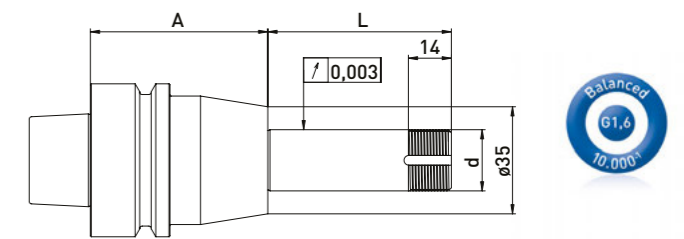
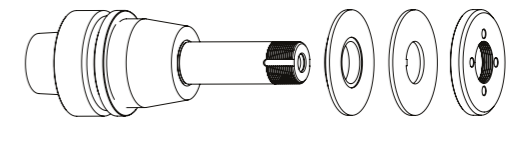


Delivered equipped:  
Reducing washer, ring set  $\varnothing 50$  mm, lock washer and clamping nut

#### Ring set $\varnothing 50$ mm

Order No.	HSK	d	L	A	B20	B10	B4
300032012	HSK-F50	20	48	38	-	2	3
300032022	HSK-F50	20	60	58	1	1	3
300032032	HSK-F50	20	90	58	2	2	3

### GWA HSK-F50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L	A
300032011	HSK-F50	20	48	38
300032021	HSK-F50	20	60	58
300032031	HSK-F50	20	90	58

### Accessories Deckel/ISOG grinding wheel adapter HSK-F50 // Shaft $\varnothing 20$ mm // Ring set 35 mm

Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350050020	Assembly device Deckel/ISOG	
350040010	Clamping nut wrench PC27 for $\varnothing 20$	
350040011	Clamping nut wrench PC27 for $\varnothing 20$	
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with balancing option	
350040041	*Clamping nut wrench PC29 for $\varnothing 20$	
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm	

Order No.	Name	
350012020	Spacer ring $\varnothing 35 \times \varnothing 20 \times 20$	
350012010	Spacer ring $\varnothing 35 \times \varnothing 20 \times 10$	
350012004	Spacer ring $\varnothing 35 \times \varnothing 20 \times 4$	
250001397	Lock washer $\varnothing 35 \times 1,5$	
350020030	Clamping nut $\varnothing 35 \times 6$ M20 x 1 PC27	
114050034	Clamping nut Deckel/ISOG $\varnothing 35 \times 7$ PC29	
350020080	*Clamping nut with balancing option $\varnothing 35 \times \varnothing 40 \times 8$ x M20 x 1 PC29	

### Accessories Deckel/ISOG grinding wheel adapter HSK-F50 // Shaft $\varnothing 20$ mm // Ring set 50 mm

Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350050020	Assembly device Deckel/ISOG	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	

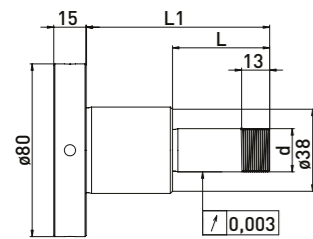
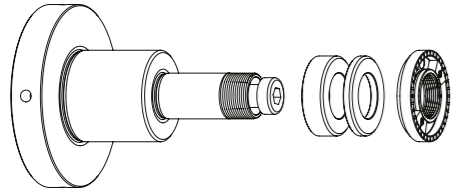
Order No.	Name	
350011020	Spacer ring $\varnothing 50 \times \varnothing 20 \times 20$	
350011010	Spacer ring $\varnothing 50 \times \varnothing 20 \times 10$	
350011004	Spacer ring $\varnothing 50 \times \varnothing 20 \times 4$	
250001482	Lock washer $\varnothing 50 \times 2$	
350020060	Clamping nut $\varnothing 50 \times 6$ x M20 x 1 PC27	
350015003	Support washer $\varnothing 50 \times \varnothing 75 \times \varnothing 20 \times 6$	
350020020	*Clamping nut with balancing option $\varnothing 50 \times 8,5$ M20 x 1,0 PC27	



## EWAG ø80 mm // Shaft ø20 mm // RS ø35 mm

For EWAG tool grinding machines with ring set ø35 mm

### GWA ø80 mm // ø20 mm // RS ø35 mm



Delivered equipped:  
Ring set ø35 mm, clamping nut with balancing weights and M10 clamping screw

Order No.	d	L	L1	Ring set ø35 mm	
				B 10	B 4
300140012	20	45	85	2	3

### Accessories EWAG grinding wheel adapter 80 mm // Shaft ø20 mm // Ring set ø35 mm

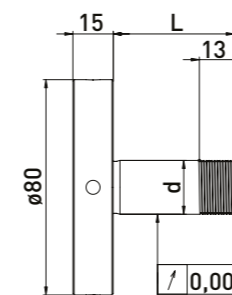
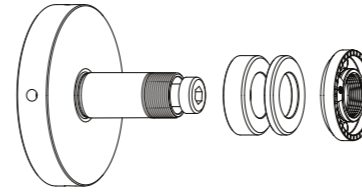
Order No.	Name	
350020081	*Balancing weight pair for clamping nut ø35 // 40gmm	
350040040	*Clamping nut wrench PC29 for ø20 for clamping nut with balancing option	
350040041	*Clamping nut wrench PC29 for ø20	

Order No.	Name	
350012004	Spacer ring ø35 x ø20 x 4	
350012010	Spacer ring ø35 x ø20 x 10	
350020080	*Clamping nut with balancing option ø35 x ø40 x 8 x M20 x 1 PC29	

## EWAG ø80 mm // Shaft ø20 mm // RS ø35 mm

For EWAG tool grinding machines with ring set ø35 mm

### GWA ø80 mm // ø20 mm // RS ø35 mm



Delivered equipped:  
Ring set ø35 mm, clamping nut with balancing weights and M10 clamping screw

Order No.	d	L	Ring set ø35 mm	
			B 10	B 4
300141012	20	20	-	2
300141022	20	45	2	3

### Accessories EWAG grinding wheel adapter 80 mm // Shaft ø20 mm // Ring set ø35 mm

Order No.	Name	
350020081	*Balancing weight pair for clamping nut ø35 // 40gmm	
350040040	*Clamping nut wrench PC29 for ø20 for clamping nut with balancing option	
350040041	*Clamping nut wrench PC29 for ø20	

Order No.	Name	
350012004	Spacer ring ø35 x ø20 x 4	
350012010	Spacer ring ø35 x ø20 x 10	
350020080	*Clamping nut with balancing option ø35 x ø40 x 8 x M20 x 1 PC29	

Order No.	Name
300149001	M10 adapter screw to ø10 EWAG M10 for article 300140012
300149002	M10 adapter screw to ø10 EWAG M10 for article 300141022

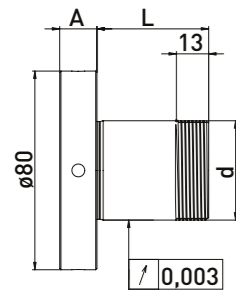
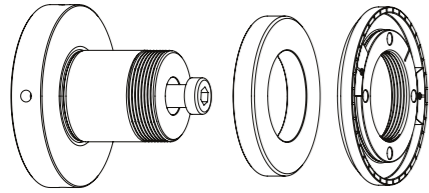
\*related items



## EWAG $\varnothing 80$ mm // Shaft $\varnothing 40$ mm // RS 70 mm

For EWAG tool grinding machines with ring set  $\varnothing 70$ mm

### GWA $\varnothing 80$ mm // $\varnothing 40$ mm // RS 70 mm

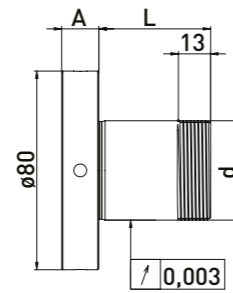
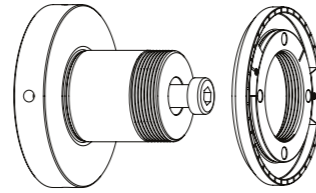


Delivered equipped:  
Spacer ring  $\varnothing 70$  mm, clamping nut with balancing weights and M10 clamping screw

Ring set  $\varnothing 70$  mm

Order No.	d	L	A	B 12
300140242	40	45	15	1

### GWA $\varnothing 80$ mm // $\varnothing 40$ mm // without RS



Delivered equipped:  
Clamping nut with balancing weights and M10 clamping screw

Order No.	d	L	A
300140212	40	20	15
300140222	40	20	30
300140232	40	20	49

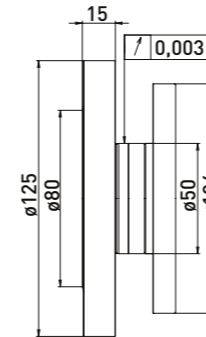
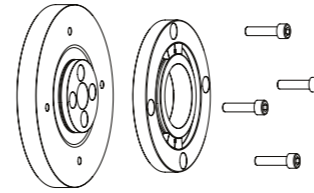
### Accessories EWAG grinding wheel adapter $\varnothing 80$ mm // Shaft $\varnothing 40$ mm // RS 70 mm

Order No.	Name	Image
350020082	*Balancing weight pair for clamping nut $\varnothing 78$ EWAG	
350014012	Spacer ring $\varnothing 70$ x $\varnothing 40$ x 12	
350020025	*Clamping nut with balancing option $\varnothing 78$ x 8,5 x M40x1,5	

## EWAG $\varnothing 125$ mm // Shaft $\varnothing 50$ mm

For EWAG tool grinding machines

### GWA $\varnothing 125$ // $\varnothing 50$ mm



Delivered equipped:  
Flange and counter-flange with balancing weights and 4pc. M6x25 clamping screws

Order No.	Name
300140311	Grinding wheel adapter EWAG $\varnothing 125$ x $\varnothing 50$ x A15

### Accessories EWAG grinding wheel adapter $\varnothing 125$ // Shaft $\varnothing 50$ mm

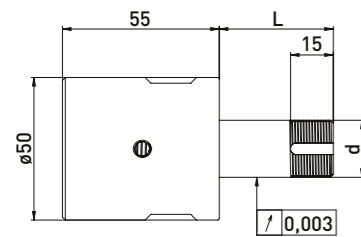
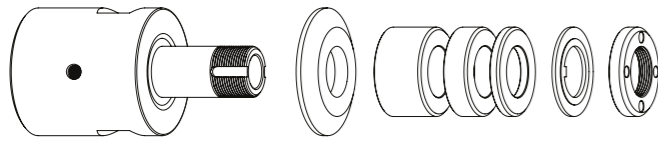
Order No.	Name	Image
350020082	Balancing weight pair for clamping nut $\varnothing 78$ EWAG	



## Haas Internal taper $\varnothing 31,75$ mm (1¼) // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For Haas tool grinding machines with ring set  $\varnothing 35$  mm

### GWA Internal taper $\varnothing 31,75$ mm (1¼) // $\varnothing 20$ mm // RS $\varnothing 35$ mm

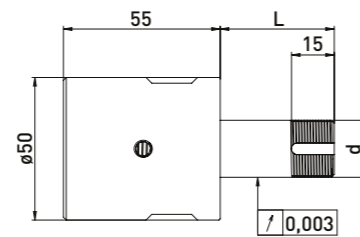
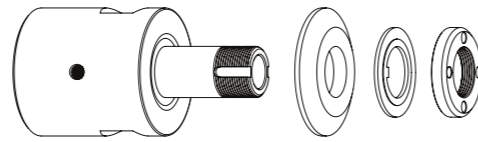


Delivered equipped:  
Installation skit, reducing washer, ring set  $\varnothing 35$  mm,  
lock washer and clamping nut

Ring set  $\varnothing 35$  mm

Order No.	Internal taper	d	L	B20	B10	B4
300091512	31,75	20	40	-	1	3
300091522	31,75	20	60	1	1	3
300091532	31,75	20	100	2	3	3

### GWA Internal taper $\varnothing 31,75$ mm (1¼) // $\varnothing 20$ mm // $\varnothing 20$ mm



Delivered equipped:  
Installation kit, reducing washer, lock washer and  
clamping nut

Order No.	Internal taper	d	L
300091511	31,75	20	40
300091521	31,75	20	60
300091531	31,75	20	100

### Accessories Haas grinding wheel adapter Internal taper $\varnothing 31,75$ mm (1¼) // Shaft $\varnothing 20$ mm // Ring set 35 mm

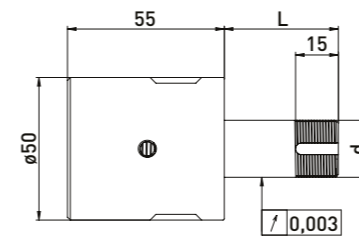
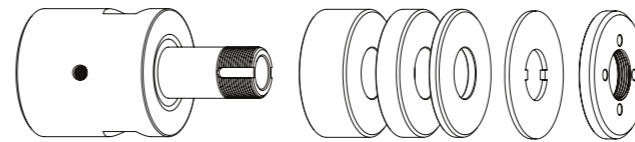
Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040010	Clamping nut wrench PC27 for $\varnothing 20$	
350040011	Clamping nut wrench PC27 for $\varnothing 20$	
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with blancing option	
350040041	*Clamping nut wrench PC29 for $\varnothing 20$	
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm	
300101002	Installation kit NCT63 Haas	
300101003	Assembly wrench for Installation kit NCT63 M20 x 1,5	

Order No.	Name	
350012020	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 20	
350012010	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 10	
350012004	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 4	
350015001	Reducing washer $\varnothing 50$ x $\varnothing 35$ x $\varnothing 20$ x 6	
350030020	Lock washer $\varnothing 35$ x $\varnothing 20$ x 2	
350020030	Clamping nut $\varnothing 35$ x 6 M20 x 1 PC27	
350020080	*Clamping nut with balancing option $\varnothing 35$ x $\varnothing 40$ x 8 x M20 x1 PC29	
350015005	Support washer $\varnothing 35$ x $\varnothing 60$ x $\varnothing 20$ x 6	

## Haas Internal taper $\varnothing 31,75$ mm (1¼) // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Haas tool grinding machines with ring set  $\varnothing 50$  mm

### GWA Internal taper $\varnothing 31,75$ mm (1¼) // $\varnothing 20$ mm // RS $\varnothing 50$ mm

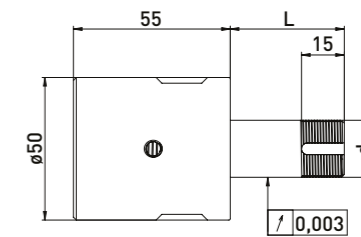
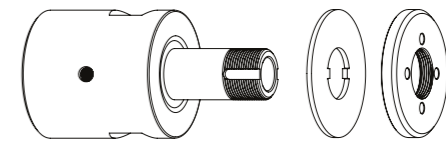


Delivered equipped:  
Installation kit, ring set  $\varnothing 50$  mm, lock washer and  
clamping nut

Ring set  $\varnothing 50$  mm

Order No.	Internal taper	d	L	B20	B10	B4
300091012	31,75	20	40	-	1	4
300091022	31,75	20	60	1	1	4
300091032	31,75	20	100	2	3	4

### GWA Internal taper $\varnothing 31,75$ mm (1¼) // $\varnothing 20$ mm // $\varnothing 20$ mm



Delivered equipped:  
Installation kit, lock washer and clamping nut

Order No.	Internal taper	d	L
300091011	31,75	20	40
300091021	31,75	20	60
300091031	31,75	20	100

### Accessories Haas grinding wheel adapter Internal taper $\varnothing 31,75$ mm (1¼) // Shaft $\varnothing 20$ mm // Ring set 35 mm

Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	
300101002	Installation kit NCT63 Haas	
300101003	Assembly wrench for Installation kit NCT63 M20 x 1,5	

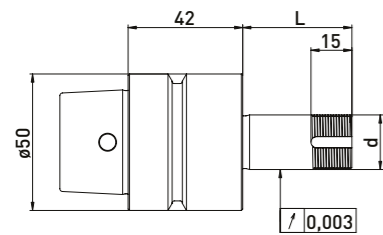
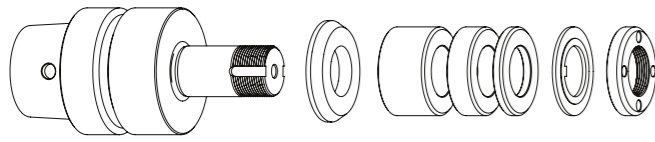
Order No.	Name	
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20	
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10	
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4	
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2	
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27	
350015003	Support washer $\varnothing 50$ x $\varnothing 75$ x $\varnothing 20$ x 6	
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27	



## Haas HSK-E50 // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For Haas tool grinding machines with ring set  $\varnothing 35$  mm

### GWA HSK-E50 // $\varnothing 20$ mm // RS $\varnothing 35$ mm

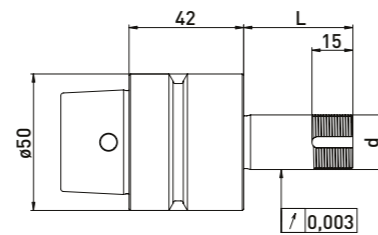
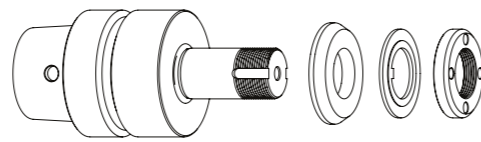


Delivered equipped:  
rReducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

Ring set  $\varnothing 35$  mm

Order No.	HSK	d	L	B20	B10	B4
300092512	HSK-E50	20	40	-	1	3
300092522	HSK-E50	20	60	1	1	3
300092532	HSK-E50	20	100	2	3	3

### GWA HSK-E50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300092511	HSK-E50	20	40
300092521	HSK-E50	20	60
300092531	HSK-E50	20	100

### Accessories Haas grinding wheel adapter HSK-E50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

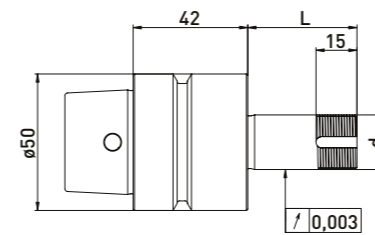
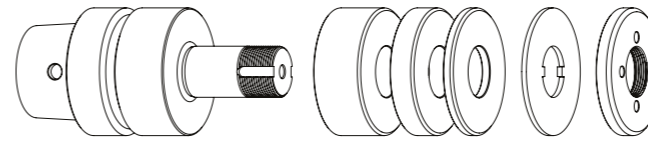
Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350040010	Clamping nut wrench PC27 for $\varnothing 20$
350040011	Clamping nut wrench PC27 for $\varnothing 20$
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with blancing option
350040041	*Clamping nut wrench PC29 for $\varnothing 20$
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm

Order No.	Name
350012020	Spacer ring $\varnothing 35 \times \varnothing 20 \times 20$
350012010	Spacer ring $\varnothing 35 \times \varnothing 20 \times 10$
350012004	Spacer ring $\varnothing 35 \times \varnothing 20 \times 4$
350015001	Reducing washer $\varnothing 50 \times \varnothing 35 \times \varnothing 20 \times 6$
350030020	Lock washer $\varnothing 35 \times \varnothing 20 \times 2$
350020030	Clamping nut $\varnothing 35 \times 6$ M20 x 1 PC27
350020080	*Clamping nut with balancing option $\varnothing 35 \times \varnothing 40 \times 8 \times$ M20 x 1 PC29
350015005	Support washer $\varnothing 35 \times \varnothing 60 \times \varnothing 20 \times 6$

## Haas HSK-E50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Haas tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK-E50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm

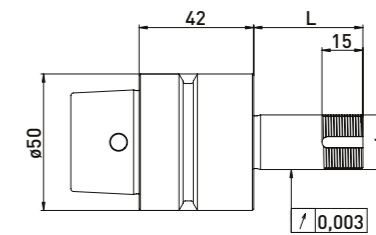
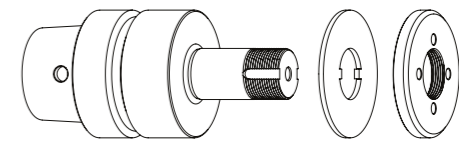


Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut

Ring set  $\varnothing 50$ mm

Order No.	HSK	d	L	B20	B10	B4
300092012	HSK-E50	20	40	-	1	4
300092022	HSK-E50	20	60	1	1	4
300092032	HSK-E50	20	100	2	3	4

### GWA HSK-E50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut

Order No.	HSK	d	L
300092011	HSK-E50	20	40
300092021	HSK-E50	20	60
300092031	HSK-E50	20	100

### Accessories Haas grinding wheel adapter HSK-E50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

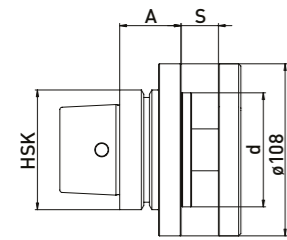
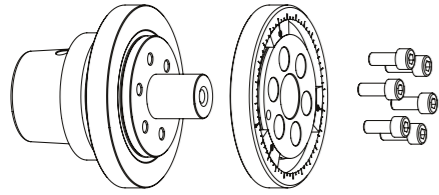
Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350040010	*Clamping nut wrench PC27 for $\varnothing 20$
350040011	*Clamping nut wrench PC27 for $\varnothing 20$
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm

Order No.	Name
350011020	Spacer ring $\varnothing 50 \times \varnothing 20 \times 20$
350011010	Spacer ring $\varnothing 50 \times \varnothing 20 \times 10$
350011004	Spacer ring $\varnothing 50 \times \varnothing 20 \times 4$
350030010	Lock washer $\varnothing 50 \times \varnothing 20 \times 2$
350020060	Clamping nut $\varnothing 50 \times 6 \times$ M20 x 1 PC27
350020020	*Clamping nut with balancing option $\varnothing 50 \times 8,5$ M20 x 1,0 PC27
350015003	Support washer $\varnothing 50 \times \varnothing 75 \times \varnothing 20 \times 6$



For Haas tool grinding machines

## GWA HSK-E50 and HSK-E80



Delivered equipped:  
Clamping flange with balancing weights 3pc.  
and clamping screws 6pc.

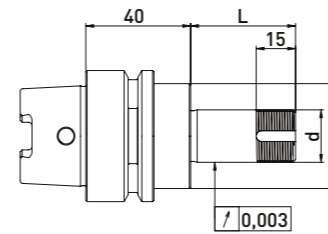
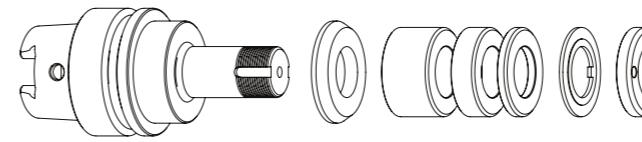
Order No.	HSK	d	A	S
300093011	HSK-E50	51	42	8-25
300093111	HSK-E50	76,2	42	8-25
300094011	HSK-E80	51	42	8-25
300094111	HSK-E80	76,2	42	8-25
300094211	HSK-E80	51	55	25-40

## Accessories Haas grinding wheel adapter HSKE-50 and HSK-E80

Order No.	Name
250001059	Balancing weight $\phi 100 \times \phi 80 \times 7$

For Hawema tool grinding machines with ring set  $\phi 35$  mm

## GWA HSK50 // $\phi 20$ mm // RS $\phi 35$ mm



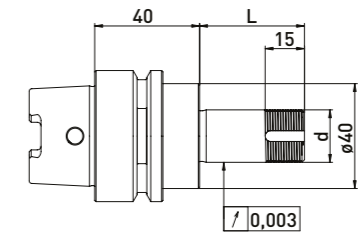
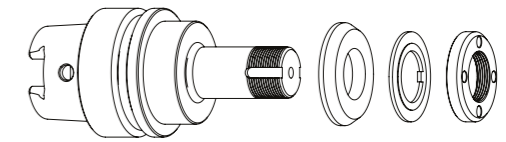
Delivered equipped:  
Reducing washer, ring set  $\phi 35$  mm, lock washer and clamping nut

Order No.	HSK	d	L	Ring set $\phi 35$ mm		
				B20	B10	B4
300012512	HSK50	20	40	-	1	3
300012522	HSK50	20	60	1	1	3
300012532	HSK50	20	75	1	2	4
300012542	HSK50	20	85	2	1	4
300012552	HSK50	20	100	2	3	3

## Accessories Hawema grinding wheel adapter HSK50 // $\phi 20$ mm // Ring set $\phi 35$ mm

Order No.	Name
350050010	Universal assembly device $\phi 50$
350040010	Clamping nut wrench PC27 for $\phi 20$
350040011	Clamping nut wrench PC27 for $\phi 20$
350040040	*Clamping nut wrench PC29 for $\phi 20$ for clamping nut with blancing option
350040041	*Clamping nut wrench PC29 for $\phi 20$
350020081	*Balancing weight pair for clamping nut $\phi 35 // 40$ gmm

## GWA HSK50 // $\phi 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300012511	HSK50	20	40
300012521	HSK50	20	60
300012531	HSK50	20	75
300012541	HSK50	20	85
300012551	HSK50	20	100

Order No.	Name
350012020	Spacer ring $\phi 35 \times \phi 20 \times 20$
350012010	Spacer ring $\phi 35 \times \phi 20 \times 10$
350012004	Spacer ring $\phi 35 \times \phi 20 \times 4$
350015006	Reducing washer $\phi 40 \times \phi 35 \times \phi 20 \times 6$
350030020	Lock washer $\phi 35 \times \phi 20 \times 2$
350020030	Clamping nut $\phi 35 \times 6$ M20 x 1 PC27
350020080	*Clamping nut with balancing option $\phi 35 \times \phi 40 \times 8 \times$ M20 x 1 PC29
350015005	Support washer $\phi 35 \times \phi 60 \times \phi 20 \times 6$

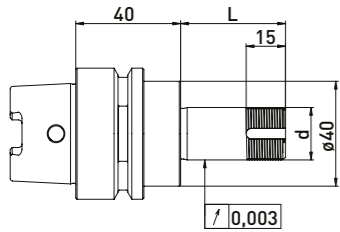
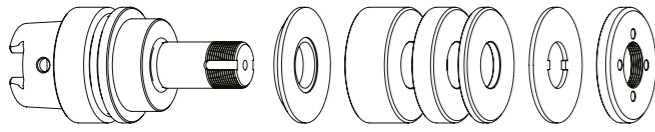
\*related items



## Hawema HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Hawema tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm

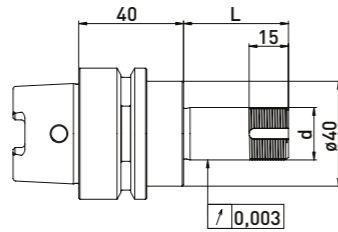
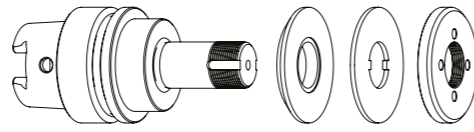


Delivered equipped:  
Reducing washer, ring set  $\varnothing 50$  mm, lock washer and clamping nut

Ring set  $\varnothing 50$  mm

Order No.	HSK	d	L	B 20	B 10	B 4
300012012	HSK50	20	40	-	1	3
300012022	HSK50	20	60	1	1	3
300012032	HSK50	20	75	1	2	4
300012042	HSK50	20	85	2	1	4
300012052	HSK50	20	100	2	3	3

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300012011	HSK50	20	40
300012021	HSK50	20	60
300012031	HSK50	20	75
300012041	HSK50	20	85
300012051	HSK50	20	100

### Accessories Hawema grinding wheel adapter HSK50 // $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

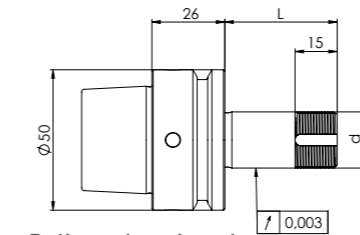
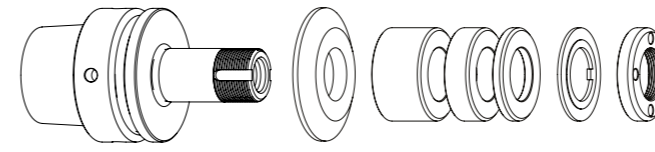
Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350040010	*Clamping nut wrench PC27 for $\varnothing 20$
350040011	*Clamping nut wrench PC27 for $\varnothing 20$
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm

Order No.	Name
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4
350015002	Reducing washer $\varnothing 40$ x $\varnothing 50$ x $\varnothing 20$ x 6
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27
350015003	Support washer $\varnothing 50$ x $\varnothing 75$ x $\varnothing 20$ x 6

## Reinecker HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For Reinecker tool grinding machines with ring set  $\varnothing 35$  mm

### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 35$ mm

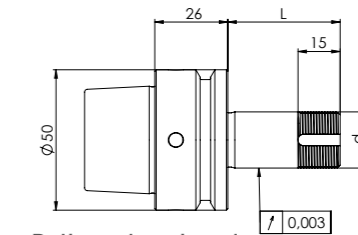
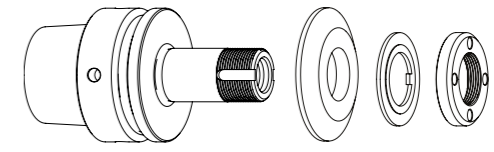


Delivered equipped:  
Reducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

Ring set  $\varnothing 35$  mm

Order No.	HSK	d	L	B 20	B 10	B 4
300072512	HSK50	20	40	-	1	3
300072522	HSK50	20	60	1	1	3
300072532	HSK50	20	85	2	1	4
300072542	HSK50	20	110	3	2	3
300072552	HSK50	20	25	-	-	2
300072562	HSK50	20	50	-	2	3
300072572	HSK50	20	75	2	1	2

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300072511	HSK50	20	40
300072521	HSK50	20	60
300072531	HSK50	20	85
300072541	HSK50	20	110
300072551	HSK50	20	25
300072561	HSK50	20	50
300072571	HSK50	20	75

### Accessories Reinecker grinding wheel adapter HSK50 // $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350040010	Clamping nut wrench PC27 for $\varnothing 20$
350040011	Clamping nut wrench PC27 for $\varnothing 20$
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with blancing option
350040041	*Clamping nut wrench PC29 for $\varnothing 20$
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm

Order No.	Name
350012020	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 20
350012010	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 10
350012004	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 4
350015001	Reducing washer $\varnothing 50$ x $\varnothing 35$ x $\varnothing 20$ x 6
350030020	Lock washer $\varnothing 35$ x $\varnothing 20$ x 2
350020030	Clamping nut $\varnothing 35$ x 6 M20 x 1 PC27
350020080	*Clamping nut with balancing option $\varnothing 35$ x $\varnothing 40$ x 8 x M20 x 1 PC29
350015005	Support washer $\varnothing 35$ x $\varnothing 60$ x $\varnothing 20$ x 6

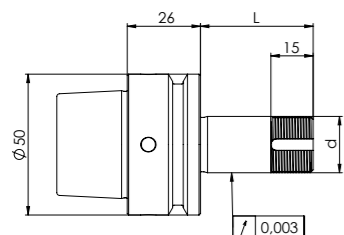
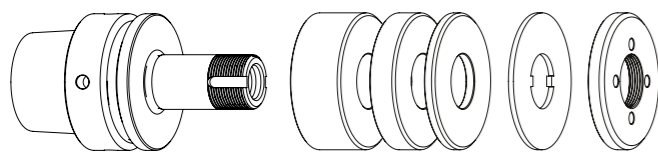
Order No.	Name
250000253	Clamping screw Reinecker L40 - $\varnothing 12$ x 116
250000254	Clamping screw Reinecker L60 - $\varnothing 12$ x 136
250000255	Clamping screw Reinecker L85 - $\varnothing 12$ x 161
250000256	Clamping screw Reinecker L110 - $\varnothing 12$ x 186

\*related items

## Reinecker HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Reinecker tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm

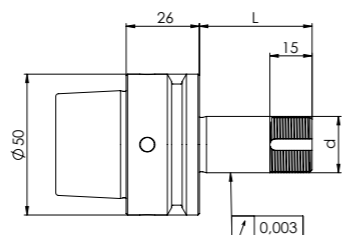
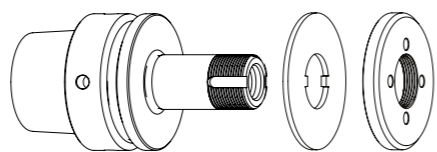


Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut

Ring set  $\varnothing 50$  mm

Order No.	HSK	d	L	B 20	B 10	B 4
300072012	HSK50	20	40	-	1	4
300072022	HSK50	20	60	1	1	4
300072032	HSK50	20	85	2	2	3
300072042	HSK50	20	110	3	2	4
300072052	HSK50	20	25	-	-	3
300072062	HSK50	20	50	1	1	2
300072072	HSK50	20	75	2	1	3

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut

Order No.	HSK	d	L
300072011	HSK50	20	40
300072021	HSK50	20	60
300072031	HSK50	20	85
300072041	HSK50	20	110
300072051	HSK50	20	25
300072061	HSK50	20	50
300072071	HSK50	20	75

### Accessories Reinecker grinding wheel adapter HSK50 // $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350040010	*Clamping nut wrench PC27 for $\varnothing 20$
350040011	*Clamping nut wrench PC27 for $\varnothing 20$
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm

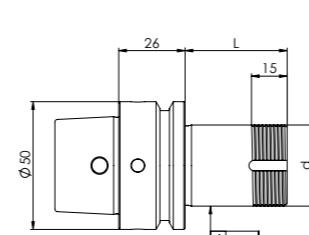
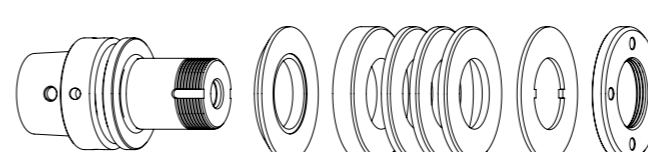
Order No.	Name
250000253	Clamping screw Reinecker L40 - $\varnothing 12$ x 116
250000254	Clamping screw Reinecker L60 - $\varnothing 12$ x 136
250000255	Clamping screw Reinecker L85 - $\varnothing 12$ x 161
250000256	Clamping screw Reinecker L110 - $\varnothing 12$ x 186

Order No.	Name
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4
350015003	Support washer $\varnothing 50$ x $\varnothing 75$ x $\varnothing 20$ x 6
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27

## Reinecker HSK50 // Shaft $\varnothing 31,75$ mm (1¼) // RS $\varnothing 60$ mm

For Reinecker tool grinding machines with ring set  $\varnothing 60$  mm

### GWA HSK50 // $\varnothing 31,75$ mm (1¼) // RS $\varnothing 60$ mm

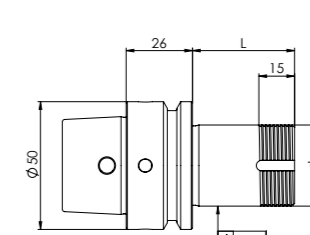
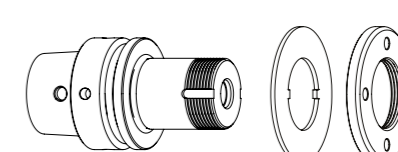


Delivered equipped:  
Ring set  $\varnothing 60$  mm, lock washer and clamping nut

Ringsatz  $\varnothing 60$  mm

Best.-Nr.	HSK	d	L	B 20	B 10	B 4
300072112	HSK50	31,75	40	-	2	3
300072122	HSK50	31,75	60	1	2	3
300072132	HSK50	31,75	85	2	2	4
300072142	HSK50	31,75	100	3	2	3

### GWA HSK50 // $\varnothing 31,75$ mm (1¼) // ohne Ringsatz



Delivered equipped:  
Lock washer and clamping nut

Best.-Nr.	HSK	d	L
300072111	HSK50	31,75	40
300072121	HSK50	31,75	60
300072131	HSK50	31,75	85
300072141	HSK50	31,75	100

### Accessories Reinecker grinding wheel adapter HSK50 // $\varnothing 31,75$ mm (1¼) // Ringset $\varnothing 60$ mm

Best.-Nr.	Bezeichnung
350050010	Universal assembly device $\varnothing 50$
350040030	*Clamping nut wrench TK39 for clamping nut with blancing option
350040020	Clamping nut wrench PC45 for $\varnothing 32$
350020023	*Balancing weight pair for clamping nut $\varnothing 60$ // 200gmm

Order No.	Name
250000253	Clamping screw Reinecker L40 - $\varnothing 12$ x 116
250000254	Clamping screw Reinecker L60 - $\varnothing 12$ x 136
250000255	Clamping screw Reinecker L85 - $\varnothing 12$ x 161
250000256	Clamping screw Reinecker L110 - $\varnothing 12$ x 186

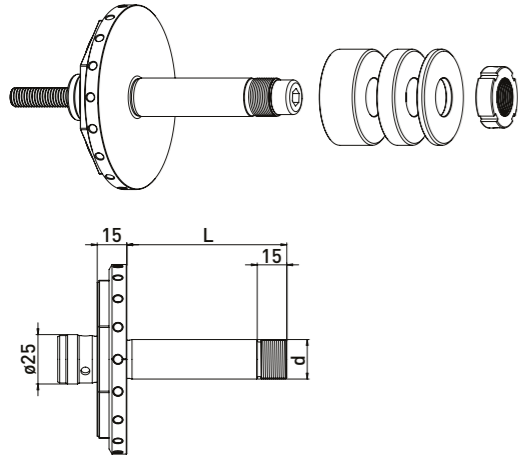
Best.-Nr.	Bezeichnung
350011420	Spacer ring $\varnothing 60$ x $\varnothing 31,75$ x 20
350011410	Spacer ring $\varnothing 60$ x $\varnothing 31,75$ x 10
350011404	Spacer ring $\varnothing 60$ x $\varnothing 31,75$ x 4
350015009	Support washer
350030060	Lock washer $\varnothing 60$ x $\varnothing 32$ x 1,8
350020066	Clamping nut $\varnothing 60$ x 6 x M32 x 1,5 PC45
350020022	*Clamping nut with balancing option $\varnothing 60$ x 9 M32 x 1,5 PC39



## Rollomatic $\varnothing 25$ mm // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Rollomatic tool grinding machines with ring set  $\varnothing 50$  mm







### GWA $\varnothing 25$ mm // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, M10 clamping screw and clamping nut

Order No.	d	L	Ring set $\varnothing 50$ mm		
			B 20	B 10	B 4
300150412	20	50	-	2	4
300150422	20	81	1	3	4

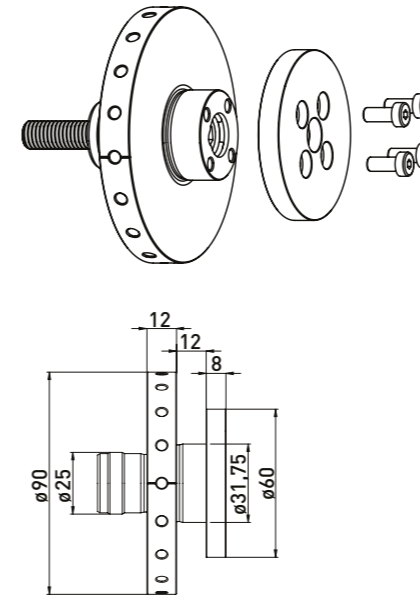
### Accessories Rollomatic grinding wheel adapter $\varnothing 25$ mm // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

Order No.	Name	Order No.	Name
350040051	Hook wrench 30 - 32 mm 	350011520	Spacer ring Rollomatic $\varnothing 50 \times \varnothing 20 \times 20$ 
		350011510	Spacer ring Rollomatic $\varnothing 50 \times \varnothing 20 \times 10$ 
		350011504	Spacer ring Rollomatic $\varnothing 50 \times \varnothing 20 \times 4$ 
		350020120	Clamping nut MRR20x1 M20 x 1 - $\varnothing 32 \times 10$ 
		350015003	Support washer $\varnothing 50 \times \varnothing 75 \times \varnothing 20 \times 6$ 

## Rollomatic $\varnothing 25$ mm // Shaft $\varnothing 31,75$ mm (1 1/4)

For Rollomatic tool grinding machines

### GWA $\varnothing 25$ mm // $\varnothing 31,75$ mm (1 1/4)



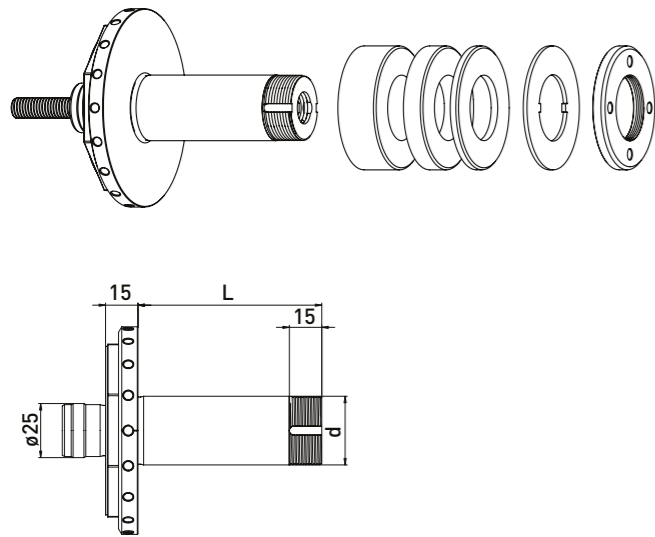
Delivered equipped:  
Clamping flange, 4pc. M5x12 cylinder screws and  
M10 clamping screw

Order No.	Name
300150510	Grinding wheel adapter Rollomatic $\varnothing 31,75 \times 11$

## Rollomatic $\varnothing 25$ mm // Shaft $\varnothing 31,75$ mm (1¼) // RS $\varnothing 60$ mm

For Rollomatic tool grinding machines with ring set  $\varnothing 60$  mm







### GWA $\varnothing 25$ mm // $\varnothing 31,75$ mm (1¼) // RS $\varnothing 60$ mm



Delivered equipped:  
Ring set  $\varnothing 60$  mm, M10 clamping screw, lock washer and clamping nut

Order No.	d	L	Ring set $\varnothing 60$ mm		
			B 20	B 10	B 4
300150212	31,75	50	-	2	4
300150222	31,75	85	2	2	3
300150232	31,75	115	3	3	3

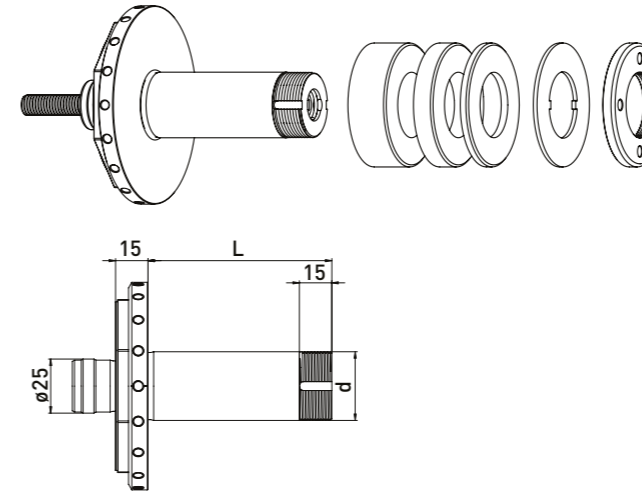
### Accessories Rollomatic grinding wheel adapter $\varnothing 25$ mm // $\varnothing 31,75$ mm (1¼) // RS $\varnothing 50$ mm

Order No.	Name	Order No.	Name
350040020	Clamping nut wrench PC45 for $\varnothing 32$ 	350011620	Spacer ring Rollomatic $\varnothing 60 \times \varnothing 31,75 \times 20$ 
		350011610	Spacer ring Rollomatic $\varnothing 60 \times \varnothing 31,75 \times 10$ 
		350011604	Spacer ring Rollomatic $\varnothing 60 \times \varnothing 31,75 \times 4$ 
		350030060	Lock washer $\varnothing 60 \times \varnothing 32 \times 1,8$ 
		350020066	Clamping nut $\varnothing 60 \times 6 \times M32 \times 1,5$ PC45 

## Rollomatic $\varnothing 25$ mm // Shaft $\varnothing 32$ // RS $\varnothing 60$ mm

For Rollomatic tool grinding machines with ring set  $\varnothing 60$  mm







### GWA $\varnothing 25$ mm // $\varnothing 32$ mm // RS $\varnothing 60$ mm



Delivered equipped:  
Ring set  $\varnothing 60$  mm, M10 clamping screw lock washer and clamping nut

Order No.	d	L	Ring set $\varnothing 60$ mm		
			B 20	B 10	B 4
300150312	32	50	-	2	4
300150322	32	85	2	2	3
300150332	32	115	3	3	3

### Accessories Rollomatic grinding wheel adapter $\varnothing 25$ mm // Shaft $\varnothing 32$ mm // RS $\varnothing 50$ mm

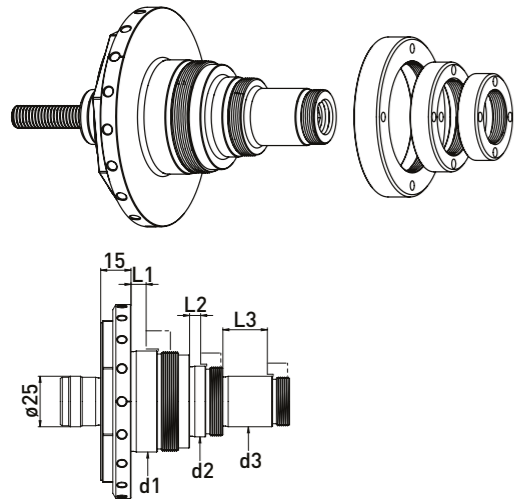
Order No.	Name	Order No.	Name
350040020	Clamping nut wrench PC45 for $\varnothing 32$ 	350011720	Spacer ring Rollomatic $\varnothing 60 \times \varnothing 32 \times 20$ 
		350011710	Spacer ring Rollomatic $\varnothing 60 \times \varnothing 32 \times 10$ 
		350011704	Spacer ring Rollomatic $\varnothing 60 \times \varnothing 32 \times 4$ 
		350030060	Lock washer $\varnothing 60 \times \varnothing 32 \times 1,8$ 
		350020066	Clamping nut $\varnothing 60 \times 6 \times M32 \times 1,5$ PC45 



## Rollomatic $\varnothing 25$ mm // stepped Shaft $\varnothing 25$ , $\varnothing 35$ , $\varnothing 50$ mm

For Rollomatic tool grinding machines

### GWA $\varnothing 25$ mm // stepped Shaft



Delivered equipped:  
per 1 piece clamping nut  $\varnothing 38$  (350020110),  $\varnothing 48$  (350020111),  $\varnothing 70$  (350020113) and M10 clamping screw

Order No.	L1	L2	L3	d1	d2	d3
300150111	11,5	5,5	5,5	50	35	25
300150121	7,5	5,5	22	50	35	25

Delivered equipped:  
per 1 piece clamping nut  $\varnothing 38$  (350020110),  $\varnothing 58$  (350020112) and M10 clamping screw

Order No.	L1	L2	L3	d1	d2	d3
300150131	11,5	5,5		40	25	

Delivered equipped:  
per 1 piece clamping nut  $\varnothing 38$  (350020110),  $\varnothing 70$  (350020113) and M10 clamping screw

Order No.	L1	L2	L3	d1	d2	d3
300150141	11,5	5,5		50	25	

### Accessories Rollomatic grinding wheel adapter $\varnothing 25$ mm // stepped Shaft $\varnothing 25$ , $\varnothing 35$ , $\varnothing 50$ mm

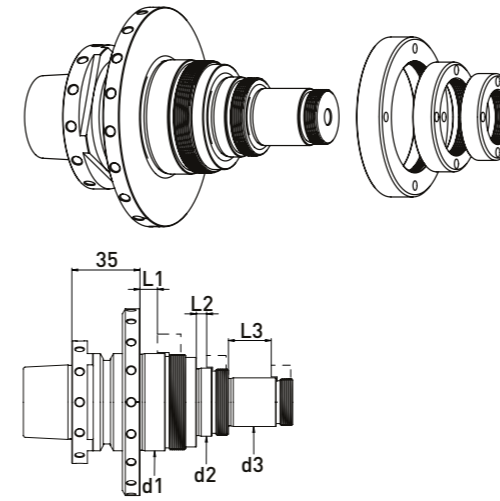
Order No.	Name	for d
350020110	Clamping nut Rollomatic $\varnothing 38$ x 10 M24 x 1	25
350020111	Clamping nut Rollomatic $\varnothing 48$ x 10 M34 x 1	35
350020112	Clamping nut Rollomatic $\varnothing 58$ x 11 M39 x 1	40
350020113	Clamping nut Rollomatic $\varnothing 70$ x 12 M49 x 1	50

Order No.	Name
350016001	Spacer ring $\varnothing 38$ x $\varnothing 25$ x 5
350016002	Spacer ring $\varnothing 58$ x $\varnothing 40$ x 5
350016003	Spacer ring $\varnothing 70$ x $\varnothing 50$ x 5
350016005	Spacer ring $\varnothing 48$ x $\varnothing 35$ x 5

## Rollomatic HSK50 // stepped Shaft $\varnothing 25$ , $\varnothing 35$ , $\varnothing 50$ mm

For Rollomatic tool grinding machines

### GWA HSK50 // stepped Shaft



Delivered equipped:  
per 1 piece clamping nut  $\varnothing 38$  (350020110),  $\varnothing 48$  (350020111),  $\varnothing 70$  (350020113) and M10 clamping screw

Order No.	L1	L2	L3	d1	d2	d3
300150921	7,5	5,5	22	50	35	25

### Accessories Rollomatic grinding wheel adapter $\varnothing 25$ mm // stepped Shaft $\varnothing 25$ , $\varnothing 35$ , $\varnothing 50$ mm

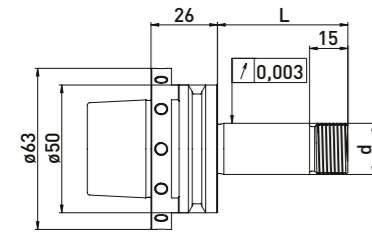
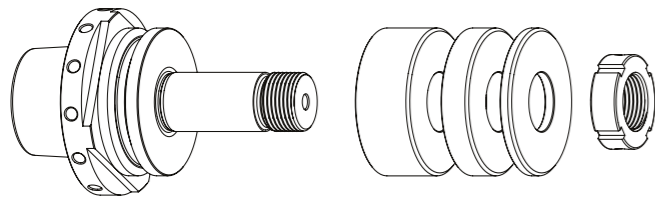
Order No.	Name	for d
350020110	Clamping nut Rollomatic $\varnothing 38$ x 10 M24 x 1	25
350020111	Clamping nut Rollomatic $\varnothing 48$ x 10 M34 x 1	35
350020112	Clamping nut Rollomatic $\varnothing 58$ x 11 M39 x 1	40
350020113	Clamping nut Rollomatic $\varnothing 70$ x 12 M49 x 1	50

Order No.	Name
350016001	Spacer ring $\varnothing 38$ x $\varnothing 25$ x 5
350016002	Spacer ring $\varnothing 58$ x $\varnothing 40$ x 5
350016003	Spacer ring $\varnothing 70$ x $\varnothing 50$ x 5
350016005	Spacer ring $\varnothing 48$ x $\varnothing 35$ x 5

## Rollomatic HSK-E50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

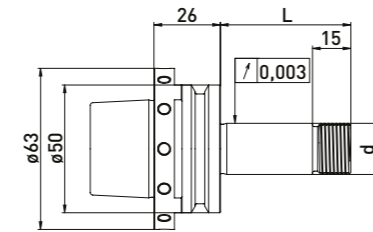
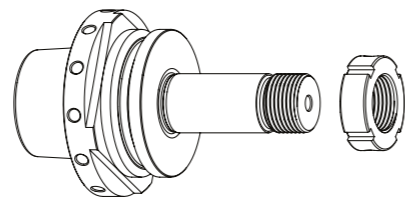
For Rollomatic tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK-E50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm and clamping nut

### GWA HSK-E50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Clamping nut

#### Ring set $\varnothing 50$ mm

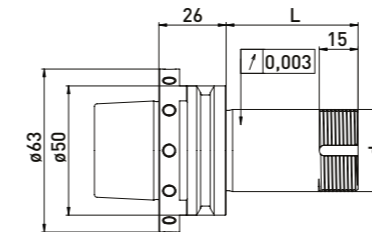
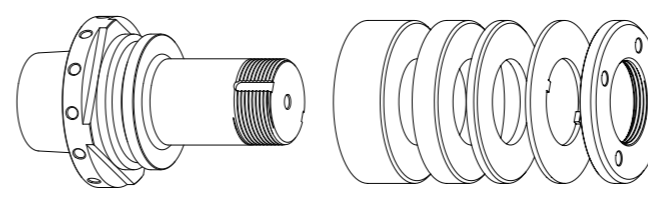
Order No.	HSK	d	L	B20	B10	B4
300150612	HSK-E50	20	51	1	1	2
300150632	HSK-E50	20	81	2	2	2

Order No.	HSK	d	L
300150611	HSK-E50	20	51
300150631	HSK-E50	20	81

## Rollomatic HSK-E50 // Shaft $\varnothing 31,75$ mm (1 1/4) // RS $\varnothing 60$ mm

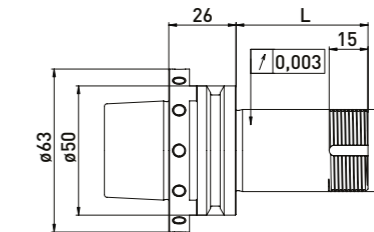
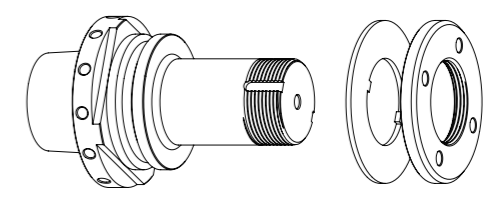
For Rollomatic tool grinding machines with ring set  $\varnothing 60$  mm

### GWA HSK-E50 // $\varnothing 31,75$ mm (1 1/4) // RS $\varnothing 60$ mm



Delivered equipped:  
Ring set  $\varnothing 60$  mm and clamping nut

### GWA HSK-E50 // $\varnothing 31,75$ mm (1 1/4) // without RS




Delivered equipped:  
Clamping nut






#### Ring set $\varnothing 60$ mm

Order No.	HSK	d	L	B20	B10	B4
300150712	HSK-50E	31,75	51	-	1	3
300150732	HSK-50E	31,75	81	1	1	3




Order No.	HSK	d	L
300150711	HSK-50E	31,75	51
300150731	HSK-50E	31,75	81





### Accessories Rollomatic grinding wheel adapter GWA HSK-E50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

Order No.	Name
350040051	Hook wrench 30 - 32 mm 

Order No.	Name
350011520	Spacer ring Rollomatic $\varnothing 50 \times \varnothing 20 \times 20$ 
350011510	Spacer ring Rollomatic $\varnothing 50 \times \varnothing 20 \times 10$ 
350011504	Spacer ring Rollomatic $\varnothing 50 \times \varnothing 20 \times 4$ 
350020121	Clamping nut MRR20 x 1,5 M20 x 1,5 $\varnothing 32 \times 10$ 
350015003	Support washer $\varnothing 50 \times \varnothing 75 \times \varnothing 20 \times 6$ 

### Accessories Rollomatic grinding wheel adapter HSK-E50 // Shaft $\varnothing 31,75$ mm (1 1/4) // Ring set $\varnothing 60$ mm

Order No.	Name
350040030	*Clamping nut wrench PC39 for clamping nut with blancing option 
350040020	Clamping nut wrench PC45 for $\varnothing 32$ 
350020023	*Balancing weight pair for clamping nut $\varnothing 60$ // 200gmm 

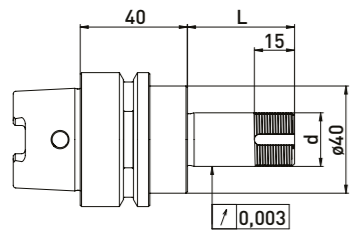
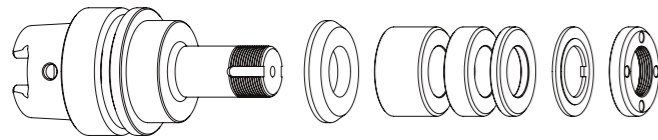
Order No.	Name
350011420	Spacer ring $\varnothing 60 \times \varnothing 31,75 \times 20$ 
350011410	Spacer ring $\varnothing 60 \times \varnothing 31,75 \times 10$ 
350011404	Spacer ring $\varnothing 60 \times \varnothing 31,75 \times 4$ 
350030060	Lock washer $\varnothing 60 \times \varnothing 32 \times 1,8$ 
350020066	Clamping nut $\varnothing 60 \times 6 \times M32 \times 1,5$ PC45 
350020022	*Clamping nut with balancing option $\varnothing 60 \times 9$ M32 x 1,5 PC39 



## Saacke HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For Saacke tool grinding machines with ring set  $\varnothing 35$  mm

### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 35$ mm

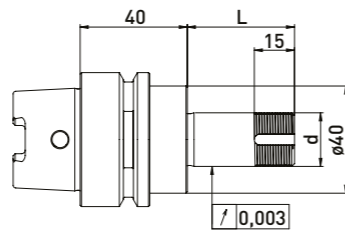
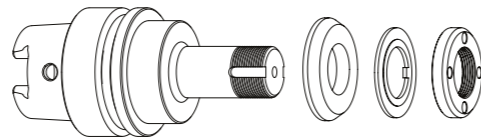


Delivered equipped:  
Reducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

#### Ring set $\varnothing 35$ mm

Order No.	HSK	d	L	B20	B10	B4
300012512	HSK50	20	40	-	1	3
300012522	HSK50	20	60	1	1	3
300012532	HSK50	20	75	1	2	4
300012542	HSK50	20	85	2	1	4
300012552	HSK50	20	100	2	3	3

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300012511	HSK50	20	40
300012521	HSK50	20	60
300012531	HSK50	20	75
300012541	HSK50	20	85
300012551	HSK50	20	100

### Accessories Saacke grinding wheel adapter HSK50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

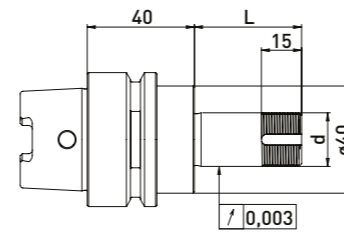
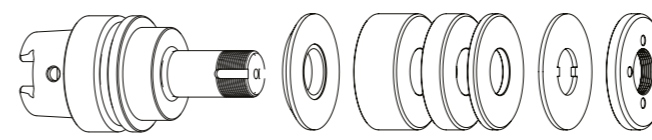
Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350040010	Clamping nut wrench PC27 for $\varnothing 20$
350040011	Clamping nut wrench PC27 for $\varnothing 20$
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with Balancing option
350040041	*Clamping nut wrench PC29 for $\varnothing 20$
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm

Order No.	Name
350012020	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 20
350012010	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 10
350012004	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 4
350015006	Reducing washer $\varnothing 40$ x $\varnothing 35$ x $\varnothing 20$ x 6
350030020	Lock washer $\varnothing 35$ x $\varnothing 20$ x 2
350020030	Clamping nut $\varnothing 35$ x 6 M20 x 1 PC27
350020080	*Clamping nut with balancing option $\varnothing 35$ x $\varnothing 40$ x 8 x M20 x 1 PC29
350015005	Support washer $\varnothing 35$ x $\varnothing 60$ x $\varnothing 20$ x 6

## Saacke HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Saacke tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm

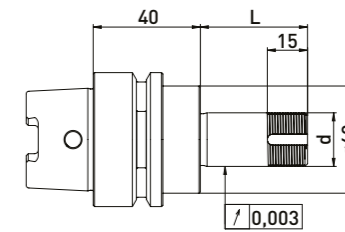
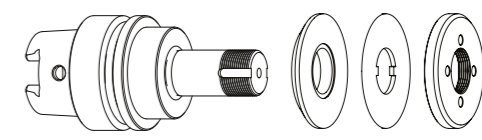


Delivered equipped:  
Reducing washer, ring set  $\varnothing 50$  mm, lock washer and clamping nut

#### Ring set $\varnothing 50$ mm

Order No.	HSK	d	L	B20	B10	B4
300012012	HSK50	20	40	-	1	3
300012022	HSK50	20	60	1	1	3
300012032	HSK50	20	75	1	2	4
300012042	HSK50	20	85	2	1	4
300012052	HSK50	20	100	2	3	3

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300012011	HSK50	20	40
300012021	HSK50	20	60
300012031	HSK50	20	75
300012041	HSK50	20	85
300012051	HSK50	20	100

### Accessories Saacke grinding wheel adapter HSK50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

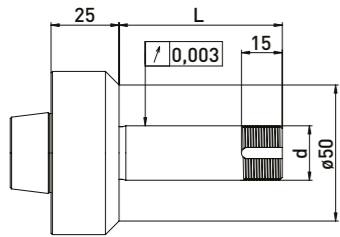
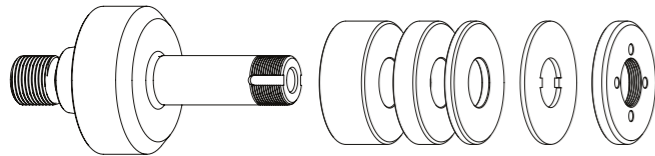
Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350040010	*Clamping nut wrench PC27 for $\varnothing 20$
350040011	*Clamping nut wrench PC27 for $\varnothing 20$
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm

Order No.	Name
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27
350015002	Reducing washer $\varnothing 40$ x $\varnothing 50$ x $\varnothing 20$ x 6

## Saacke short taper // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Saacke tool grinding machines with ring set  $\varnothing 50$  mm

### GWA short taper // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer, tightening screw and clamping nut

Order No.	taper	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300014012	Saacke	20	40	-	1	4
300014022	Saacke	20	60	1	1	4
300014042	Saacke	20	100	2	3	4

### Accessories Saacke grinding wheel adapter short taper // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

Order No.	Name
350040010	*Clamping nut wrench PC27 for $\varnothing 20$
350040011	*Clamping nut wrench PC27 for $\varnothing 20$
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm

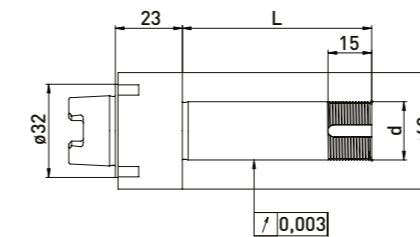
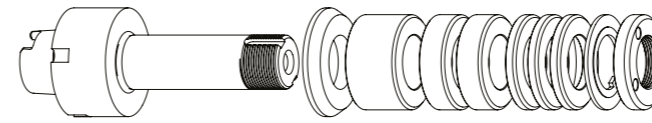
Order No.	Name
250000107	Tightening screw Saacke $\varnothing 20$ x 49

Order No.	Name
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27
350015003	Support washer $\varnothing 50$ x $\varnothing 75$ x $\varnothing 20$ x 6

## Schneeberger HSK32 // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For Schneeberger tool grinding machines with ring set  $\varnothing 35$  mm

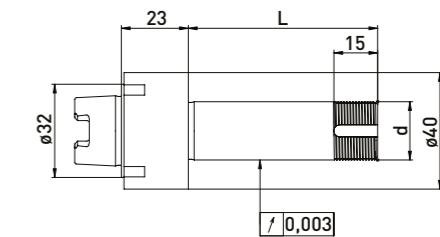
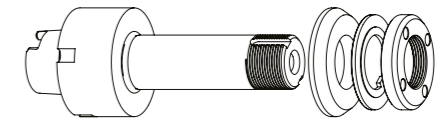
### GWA HSK32 // $\varnothing 20$ mm // RS $\varnothing 35$ mm



Delivered equipped:  
Reducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

Order No.	HSK	d	L	Ring set $\varnothing 35$ mm		
				B20	B10	B4
300045512	HSK32	20	65	1	2	3
300045522	HSK32	20	85	1	3	5
300045532	HSK32	20	110	2	3	7

### GWA HSK32 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300045511	HSK32	20	65
300045521	HSK32	20	85
300045531	HSK32	20	110

### Accessories Schneeberger grinding wheel adapter short taper HSK32 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

Best.-Nr.	Bezeichnung
350050010	Universal assembly device $\varnothing 50$
350050030	Assembly device Schneeberger For assembly on the workbench, in a vice or in the universal assembly device
350040010	Clamping nut wrench PC27 for $\varnothing 20$
350040011	Clamping nut wrench PC27 for $\varnothing 20$
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with balancing option
350040041	*Clamping nut wrench PC29 for $\varnothing 20$
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm
213011050	Clamping screw Schneeberger M8/M8 x 62

Best.-Nr.	Bezeichnung
350012020	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 20
350012010	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 10
350012004	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 4
350015001	Reducing washer $\varnothing 50$ x $\varnothing 35$ x $\varnothing 20$ x 6
350030020	Lock washer $\varnothing 35$ x $\varnothing 20$ x 2
350020030	Clamping nut $\varnothing 35$ x 6 M20 x 1 PC27
350020080	*Clamping nut with balancing option $\varnothing 35$ x $\varnothing 40$ x 8 x M20 x 1 PC29

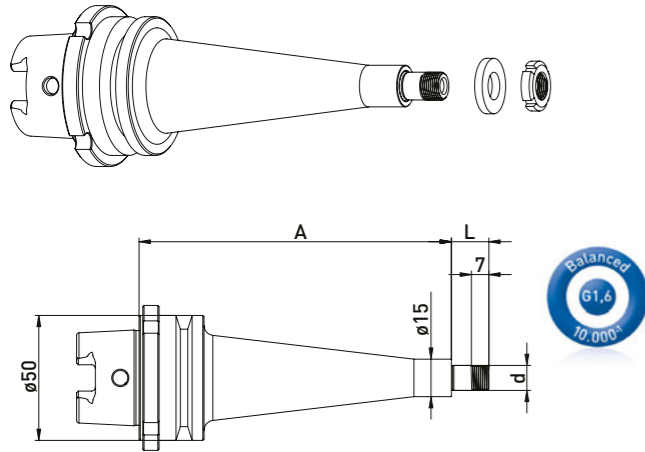
\*related items



## Schneeberger HSK50 // Shaft $\varnothing$ 10 mm // RS 20 mm

For Schneeberger tool grinding machines with ring set  $\varnothing$ 20 mm

### GWA HSK50 // Shaft $\varnothing$ 10 mm // RS $\varnothing$ 20 mm



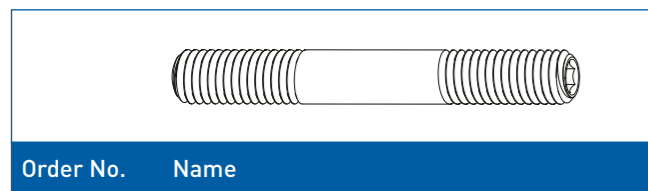
Delivered equipped:  
Ring set  $\varnothing$ 20 mm and clamping nut

Ring set $\varnothing$ 20 mm					
Order No.	HSK	d	L	A	B3
300044012	HSK50	10	15	60	3
300044022	HSK50	10	15	125	3

### Accessories Schneeberger grinding wheel adapter HSK50 // Shaft $\varnothing$ 10 mm // Ring set $\varnothing$ 20 mm

Order No.	Name
350040050	Hook wrench 16 - 20 mm

Order No.	Name
350016004	Spacer ring $\varnothing$ 20 x $\varnothing$ 10 x 3
350020114	Clamping nut $\varnothing$ 18 x 4 M10 x 0,75

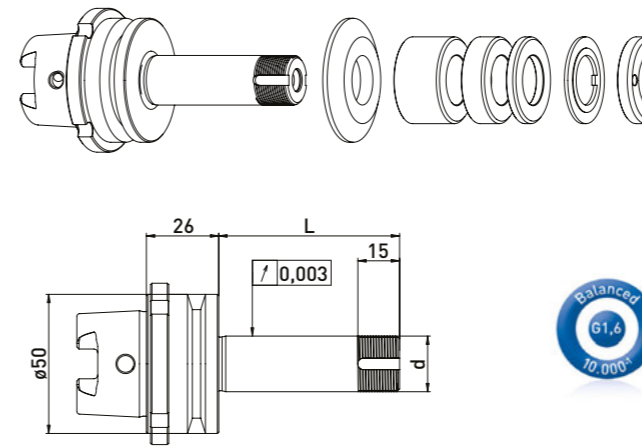


Order No.	Name
213011050	Clamping screw Schneeberger M8/M8 x 62

## Schneeberger HSK50 // Shaft $\varnothing$ 20 mm // RS $\varnothing$ 35 mm

For Schneeberger tool grinding machines with ring set  $\varnothing$ 35 mm

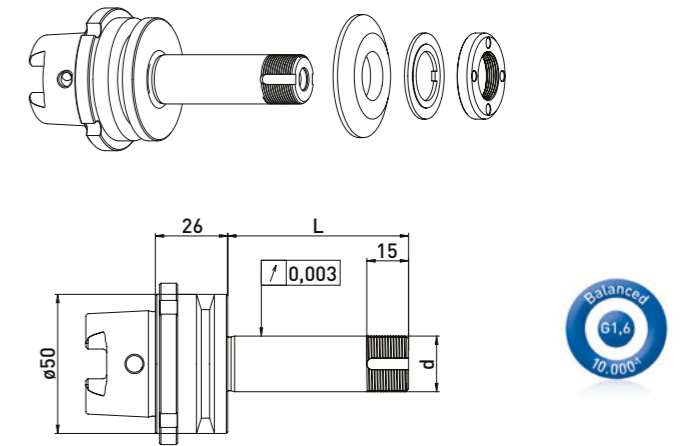
### GWA HSK50 // $\varnothing$ 20 mm // RS $\varnothing$ 35 mm



Delivered equipped:  
Reducing washer, ring set  $\varnothing$ 35 mm, lock washer and clamping nut

				Ring set $\varnothing$ 35 mm		
Order No.	HSK	d	L	B20	B10	B4
300042512	HSK50	20	45	-	1	4
300042522	HSK50	20	65	1	1	4
300042532	HSK50	20	85	2	1	4
300042542	HSK50	20	110	3	2	2

### GWA HSK50 // $\varnothing$ 20 mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300042511	HSK50	20	45
300042521	HSK50	20	65
300042531	HSK50	20	85
300042541	HSK50	20	110

### Accessories Schneeberger grinding wheel adapter HSK50 // Shaft $\varnothing$ 20 mm // Ring set $\varnothing$ 35 mm

Order No.	Name
350050010	Universal assembly device $\varnothing$ 50
350050030	Assembly device Schneeberger For assembly on the workbench, in a vice or in the puniversal assembly device
350040010	Clamping nut wrench PC27 for $\varnothing$ 20
350040011	Clamping nut wrench PC27 for $\varnothing$ 20
350040040	*Clamping nut wrench PC29 for $\varnothing$ 20 for clamping nut with blancing option
350040041	*Clamping nut wrench PC29 for $\varnothing$ 20
350020081	*Balancing weight pair for clamping nut $\varnothing$ 35 // 40gmm
213011050	Clamping screw Schneeberger M8/M8 x 62

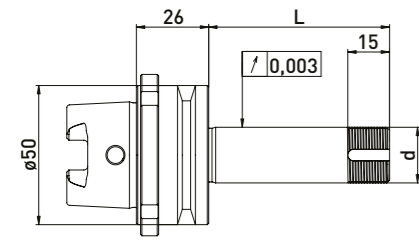
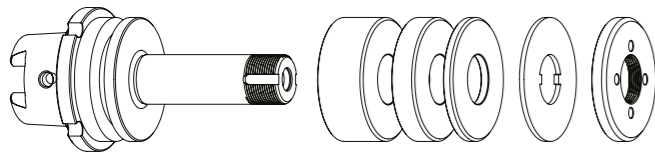
Order No.	Name
350012020	Spacer ring $\varnothing$ 35 x $\varnothing$ 20 x 20
350012010	Spacer ring $\varnothing$ 35 x $\varnothing$ 20 x 10
350012004	Spacer ring $\varnothing$ 35 x $\varnothing$ 20 x 4
350015001	Reducing washer $\varnothing$ 50 x $\varnothing$ 35 x $\varnothing$ 20 x 6
350030020	Lock washer $\varnothing$ 35 x $\varnothing$ 20 x 2
350020030	Clamping nut $\varnothing$ 35 x 6 M20 x 1 PC27
350020080	*Clamping nut with balancing option $\varnothing$ 35 x $\varnothing$ 40 x 8 x M20 x 1 PC29

\*related items

## Schneeberger HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

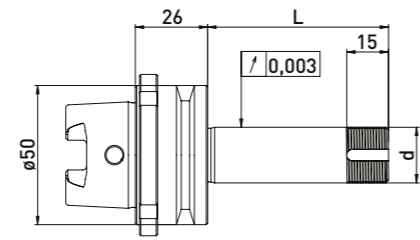
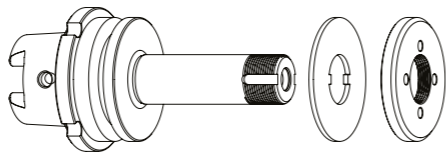
For Schneeberger tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut

#### Ring set $\varnothing 50$ mm

Order No.	HSK	d	L	B 20	B 10	B 4
300042012	HSK50	20	45	-	2	3
300042022	HSK50	20	65	1	2	3
300042032	HSK50	20	85	2	2	3
300042042	HSK50	20	110	3	2	4

Order No.	HSK	d	L
300042011	HSK50	20	45
300042021	HSK50	20	65
300042031	HSK50	20	85
300042041	HSK50	20	110

### Accessories Schneeberger grinding wheel adapter HSK50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

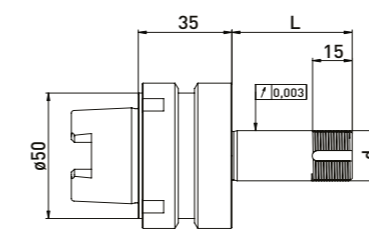
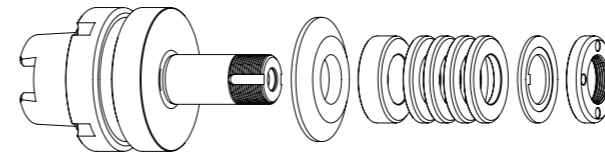
Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350050030	Assembly device Schneeberger For assembly on the workbench, in a vice or in the puniversal assembly device
350040010	*Clamping nut wrench PC27 for $\varnothing 20$
350040011	*Clamping nut wrench PC27 for $\varnothing 20$
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm
213011050	Clamping screw Schneeberger M8/M8 x 62

Order No.	Name
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27

## Schneeberger HSK50 NGC // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

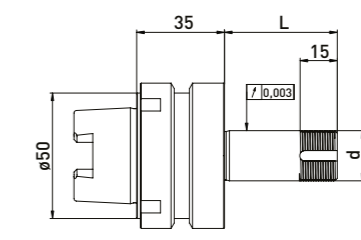
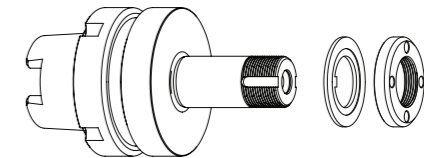
For Schneeberger tool grinding machines with ring set  $\varnothing 35$  mm

### GWA HSK50 NGC // $\varnothing 20$ mm // RS $\varnothing 35$ mm



Delivered equipped:  
Reducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

### GWA HSK50 NGC // $\varnothing 20$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut

#### Ringset $\varnothing 35$ mm

Best.-Nr.	HSK	d	L	B 20	B 10	B 4
300046512	HSK50	20	45	-	1	4
300046522	HSK50	20	65	1	1	4
300046532	HSK50	20	85	2	1	4
300046542	HSK50	20	110	3	2	2

Best.-Nr.	HSK	d	L
300046511	HSK50	20	45
300046521	HSK50	20	65
300046531	HSK50	20	85
300046541	HSK50	20	110

### Accessories Schneeberger grinding wheel adapter HSK50 NGC // Shaft $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350050030	Assembly device Schneeberger For assembly on the workbench, in a vice or in the puniversal assembly device
350040010	Clamping nut wrench PC27 for $\varnothing 20$
350040011	Clamping nut wrench PC27 for $\varnothing 20$
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with blancing option
350040041	*Clamping nut wrench PC29 for $\varnothing 20$
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm
213011050	Clamping screw Schneeberger M8/M8 x 62

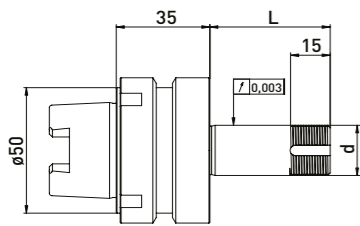
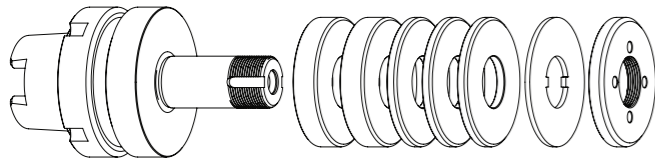
Order No.	Name
350012020	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 20
350012010	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 10
350012004	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 4
350015001	Reducing washer $\varnothing 50$ x $\varnothing 35$ x $\varnothing 20$ x 6
350030020	Lock washer $\varnothing 35$ x $\varnothing 20$ x 2
350020030	Clamping nut $\varnothing 35$ x 6 M20 x 1 PC27
350020080	*Clamping nut with balancing option $\varnothing 35$ x $\varnothing 40$ x 8 x M20 x 1 PC29



## Schneeberger HSK50 NGC // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

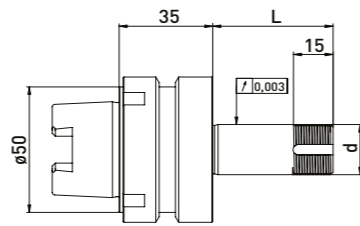
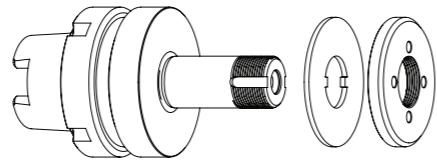
For Schneeberger tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK50 NGC // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut

### GWA HSK50 NGC // $\varnothing 20$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut

Ringsatz  $\varnothing 50$ mm

Best.-Nr.	HSK	d	L	B20	B10	B4
300046012	HSK50	20	45	-	2	3
300046022	HSK50	20	65	1	2	3
300046032	HSK50	20	85	2	2	3
300046042	HSK50	20	110	3	2	4

Best.-Nr.	HSK	d	L
300046011	HSK50	20	45
300046021	HSK50	20	65
300046031	HSK50	20	85
300046041	HSK50	20	110

### Accessories Schneeberger grinding wheel adapter HSK50 NGC // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

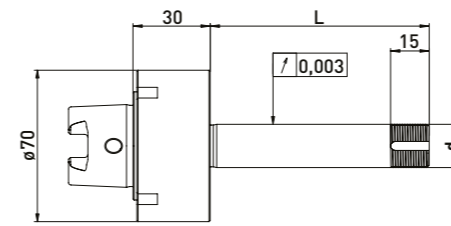
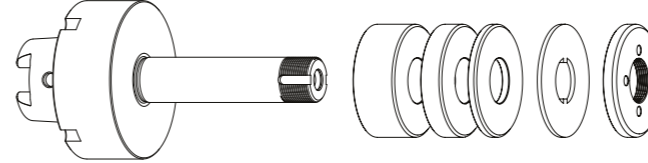
Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350050030	Assembly device Schneeberger For assembly on the workbench, in a vice or in the puniversal assembly device	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	
213011050	Clamping screw Schneeberger M8/M8 x 62	

Order No.	Name	
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20	
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10	
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4	
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2	
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27	
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27	

## Schneeberger HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

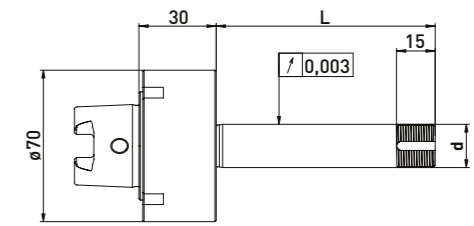
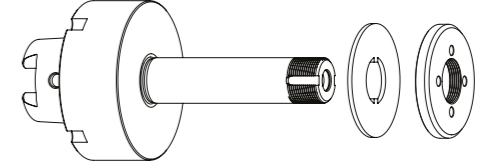
For Schneeberger tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut

Ring set  $\varnothing 50$ mm

Order No.	HSK	d	L	B20	B10	B4
300043012	HSK50	20	45	-	2	3
300043022	HSK50	20	85	2	2	3
300043032	HSK50	20	150	4	4	4

Order No.	HSK	d	L
300043011	HSK50	20	45
300043021	HSK50	20	85
300043031	HSK50	20	150

### Accessories Schneeberger grinding wheel adapter HSK50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

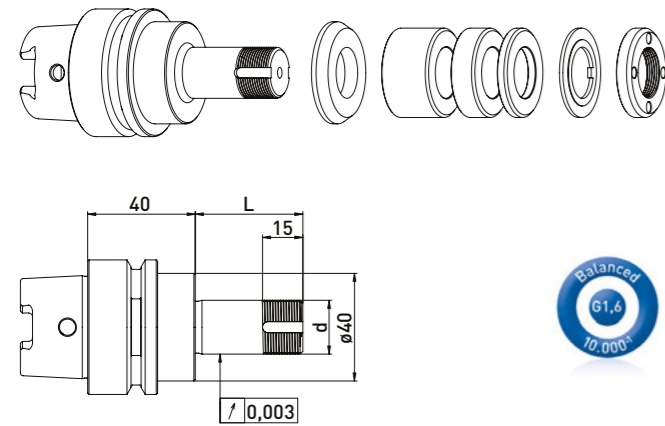
Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	
213011050	Clamping screw Schneeberger M8/M8 x 62	

Order No.	Name	
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20	
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10	
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4	
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2	
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27	
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27	

## Schütte HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For Schütte tool grinding machines with ring set  $\varnothing 35$  mm  
**Series 205**

GWA HSK50 //  $\varnothing 20$  mm // RS  $\varnothing 35$  mm

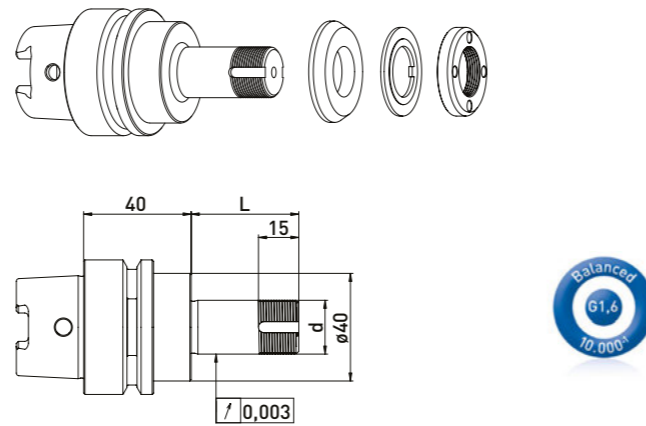


Delivered equipped:  
 Reducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

Ring set  $\varnothing 35$  mm

Order No.	HSK	d	L	B20	B10	B4
300012512	HSK50	20	40	-	1	3
300012522	HSK50	20	60	1	1	3
300012532	HSK50	20	75	1	2	4
300012542	HSK50	20	85	2	1	4
300012552	HSK50	20	100	2	3	3

GWA HSK50 //  $\varnothing 20$  mm // without RS



Delivered equipped:  
 Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300012511	HSK50	20	40
300012521	HSK50	20	60
300012531	HSK50	20	75
300012541	HSK50	20	85
300012551	HSK50	20	100

Accessories Schütte grinding wheel adapter HSK50 // Shaft  $\varnothing 20$  mm // Ring set  $\varnothing 35$  mm

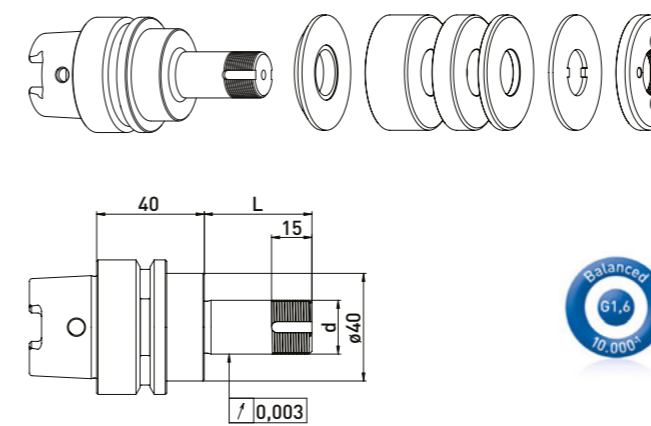
Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040010	Clamping nut wrench PC27 for $\varnothing 20$	
350040011	Clamping nut wrench PC27 for $\varnothing 20$	
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with blancing option	
350040041	*Clamping nut wrench PC29 for $\varnothing 20$	
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm	

Order No.	Name	
350012020	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 20	
350012010	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 10	
350012004	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 4	
350015006	Reducing washer $\varnothing 40$ x $\varnothing 35$ x $\varnothing 20$ x 6	
350030020	Lock washer $\varnothing 35$ x $\varnothing 20$ x 2	
350020030	Clamping nut $\varnothing 35$ x 6 M20 x 1 PC27	
350020080	*Clamping nut with balancing option $\varnothing 35$ x $\varnothing 40$ x 8 x M20 x 1 PC29	
350015005	Support washer $\varnothing 35$ x $\varnothing 60$ x $\varnothing 20$ x 6	

## Schütte HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Schütte tool grinding machines with ring set  $\varnothing 50$  mm  
**Series 205**

GWA HSK50 //  $\varnothing 20$  mm // RS  $\varnothing 50$  mm

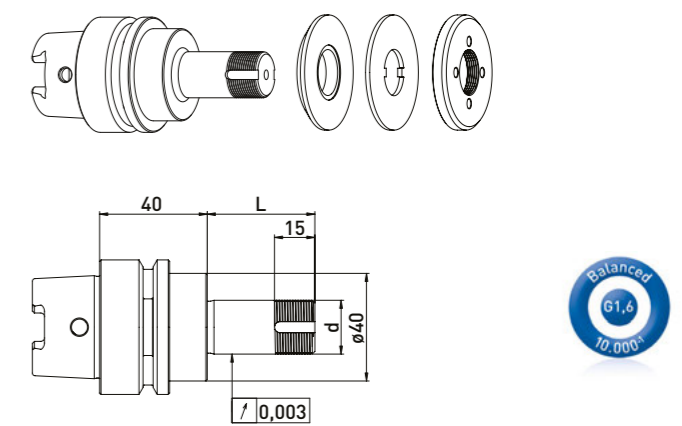


Delivered equipped:  
 Ring set  $\varnothing 50$  mm, lock washer and clamping nut

Ring set  $\varnothing 50$ mm

Order No.	HSK	d	L	B20	B10	B4
300012012	HSK50	20	40	-	1	3
300012022	HSK50	20	60	1	1	3
300012032	HSK50	20	75	1	2	4
300012042	HSK50	20	85	2	1	4
300012052	HSK50	20	100	2	3	3

GWA HSK50 //  $\varnothing 20$  mm // without RS



Delivered equipped:  
 Lock washer and clamping nut

Order No.	HSK	d	L
300012011	HSK50	20	40
300012021	HSK50	20	60
300012031	HSK50	20	75
300012041	HSK50	20	85
300012051	HSK50	20	100

Accessories Schütte grinding wheel adapter HSK50 // Shaft  $\varnothing 20$  mm // Ring set  $\varnothing 50$  mm

Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	

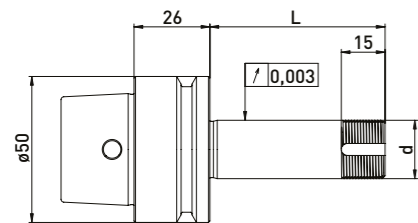
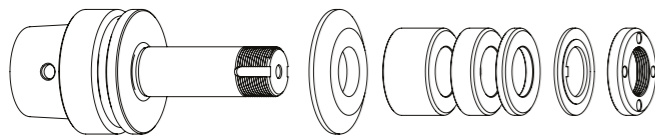
Order No.	Name	
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20	
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10	
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4	
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2	
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27	
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27	
350015002	Reducing washer $\varnothing 40$ x $\varnothing 50$ x $\varnothing 20$ x 6	



## Schütte HSK-E50 // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For Schütte tool grinding machines with ring set  $\varnothing 35$  mm  
Series 305

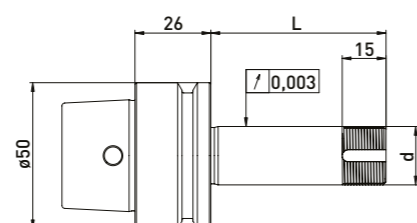
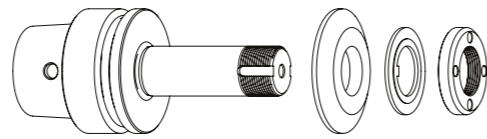
### GWA HSK-E50 // $\varnothing 20$ mm // RS $\varnothing 35$ mm



Delivered equipped:  
Reducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

Order No.	HSK	d	L	Ring set $\varnothing 35$ mm		
				B20	B10	B4
300052512	HSK-E50	20	40	-	1	3
300052522	HSK-E50	20	60	1	1	3
300052532	HSK-E50	20	85	2	1	4

### GWA HSK-E50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300052511	HSK-E50	20	40
300052521	HSK-E50	20	60
300052531	HSK-E50	20	85

### Accessories Schütte grinding wheel adapter HSK-E50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

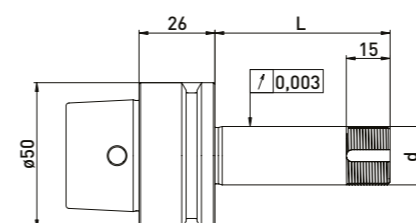
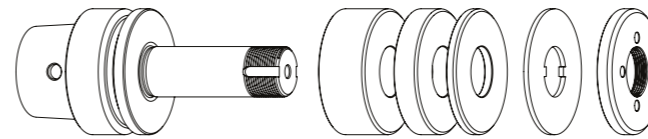
Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040010	Clamping nut wrench PC27 for $\varnothing 20$	
350040011	Clamping nut wrench PC27 for $\varnothing 20$	
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with blancing option	
350040041	*Clamping nut wrench PC29 for $\varnothing 20$	
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm	

Order No.	Name	
350012020	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 20	
350012010	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 10	
350012004	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 4	
350015001	Reducing washer $\varnothing 50$ x $\varnothing 35$ x $\varnothing 20$ x 6	
350030020	Lock washer $\varnothing 35$ x $\varnothing 20$ x 2	
350020030	Clamping nut $\varnothing 35$ x 6 M20 x 1 PC27	
350020080	*Clamping nut with balancing option $\varnothing 35$ x $\varnothing 40$ x 8 x M20 x 1 PC29	
350015005	Support washer $\varnothing 35$ x $\varnothing 60$ x $\varnothing 20$ x 6	

## Schütte HSK-E50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Schütte tool grinding machines with ring set  $\varnothing 50$  mm  
Series 305

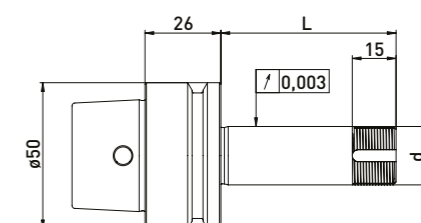
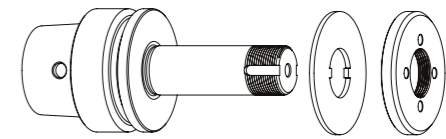
### GWA HSK-E50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut

Order No.	HSK	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300052012	HSK-E50	20	40	-	1	4
300052022	HSK-E50	20	60	1	1	4
300052032	HSK-E50	20	85	2	2	3

### GWA HSK-E50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut

Order No.	HSK	d	L
300052011	HSK-E50	20	40
300052021	HSK-E50	20	60
300052031	HSK-E50	20	85

### Accessories Schütte grinding wheel adapter HSK-E50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

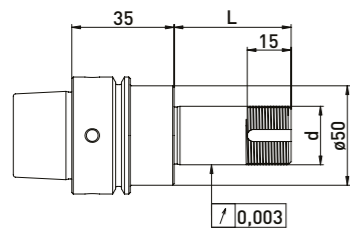
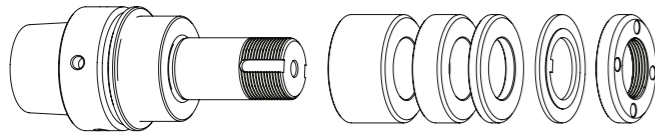
Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	

Order No.	Name	
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20	
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10	
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4	
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2	
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27	
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27	

## SMP HSK-E40 // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For SMP tool grinding machines with ring set  $\varnothing 35$  mm

### GWA HSK-E40 // $\varnothing 20$ mm // RS $\varnothing 35$ mm

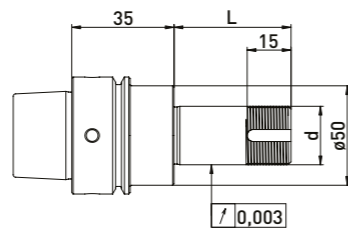
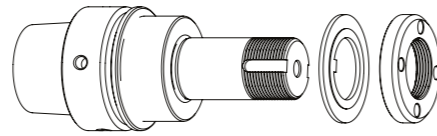


Delivered equipped:  
Ring set  $\varnothing 35$  mm, lock washer and clamping nut

#### Ring set $\varnothing 35$ mm

Order No.	HSK	d	L	B20	B10	B4
300122512	HSK-E40	20	40	-	1	4
300122522	HSK-E40	20	60	1	1	4
300122532	HSK-E40	20	100	2	3	4

### GWA HSK-E40 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut

Order No.	HSK	d	L
300122511	HSK-E40	20	40
300122521	HSK-E40	20	60
300122531	HSK-E40	20	100

### Accessories SMP grinding wheel adapter HSK-E40 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

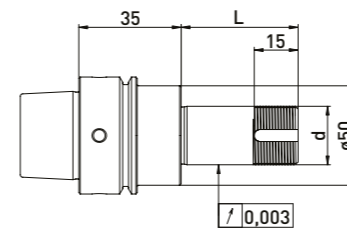
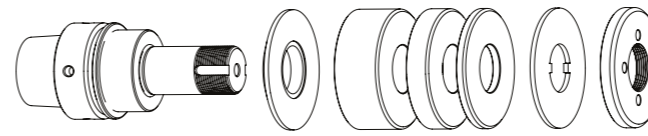
Order No.	Name	
350050050	Assembly device $\varnothing 40$	
350040010	Clamping nut wrench PC27 for $\varnothing 20$	
350040011	Clamping nut wrench PC27 for $\varnothing 20$	
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with blancing option	
350040041	*Spannmutterschlüssel TK29 für $\varnothing 20$	
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm	

Order No.	Name	
350012020	Spacer ring $\varnothing 35 \times \varnothing 20 \times 20$	
350012010	Spacer ring $\varnothing 35 \times \varnothing 20 \times 10$	
350012004	Spacer ring $\varnothing 35 \times \varnothing 20 \times 4$	
350030020	Lock washer $\varnothing 35 \times \varnothing 20 \times 2$	
350020030	Clamping nut $\varnothing 35 \times 6$ M20 x 1 PC27	
350020080	*Clamping nut with balancing option $\varnothing 35 \times \varnothing 40 \times 8$ x M20 x 1 PC29	
350015005	Support washer $\varnothing 35 \times \varnothing 60 \times \varnothing 20 \times 6$	

## SMP HSK-E40 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For SMP tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK-E40 // $\varnothing 20$ mm // RS $\varnothing 50$ mm

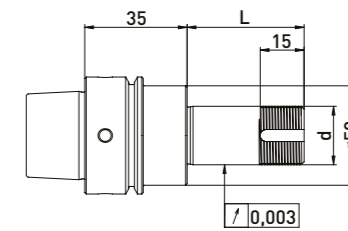
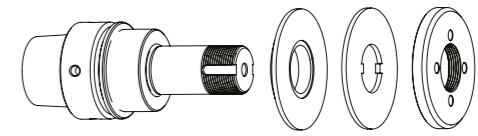


Delivered equipped:  
Reducing washer, ring set  $\varnothing 50$  mm, lock washer and clamping nut

#### Ring set $\varnothing 50$ mm

Order No.	HSK	d	L	B20	B10	B4
300122012	HSK-E40	20	40	-	1	3
300122022	HSK-E40	20	60	1	1	3
300122032	HSK-E40	20	100	2	3	3

### GWA HSK-E40 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300122011	HSK-E40	20	40
300122021	HSK-E40	20	60
300122031	HSK-E40	20	100

### Accessories SMP grinding wheel adapter HSK-E40 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

Order No.	Name	
350050050	Assembly device $\varnothing 40$	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	

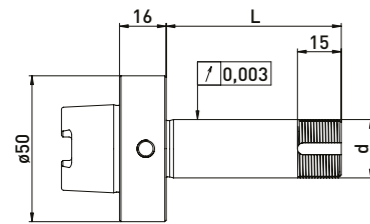
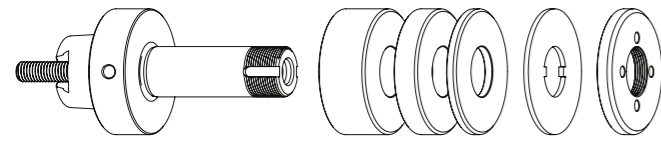
Order No.	Name	
350011020	Spacer ring $\varnothing 50 \times \varnothing 20 \times 20$	
350011010	Spacer ring $\varnothing 50 \times \varnothing 20 \times 10$	
350011004	Spacer ring $\varnothing 50 \times \varnothing 20 \times 4$	
350015001	Reducing washer $\varnothing 50 \times \varnothing 35 \times \varnothing 20 \times 6$	
350030010	Lock washer $\varnothing 50 \times \varnothing 20 \times 2$	
350020060	Clamping nut $\varnothing 50 \times 6$ x M20 x 1 PC27	
350020020	*Clamping nut with balancing option $\varnothing 50 \times 8,5$ M20 x 1,0 PC27	



## Strausak similar HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Strausak Promat tool grinding machines for Ring set  $\varnothing 50$  mm

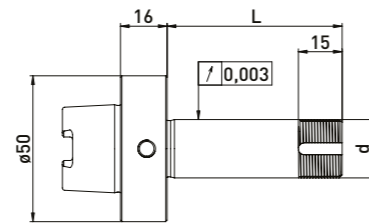
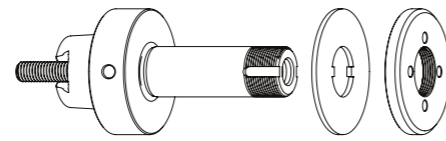
### GWA similar HSK50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer, clamping nut and tightening screw

Order No.	Taper	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300062032	similar HSK50	20	60	1	1	4

### GWA similar HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Lock washer, clamping nut and tightening screw

Order No.	Taper	d	L

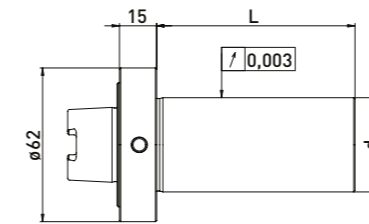
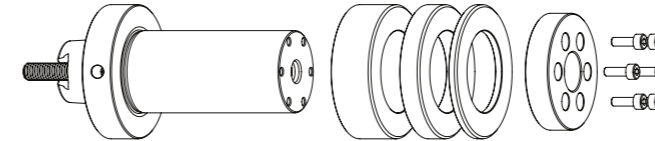
### Accessories Strausak Promat grinding wheel adapter similar HSK50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

Order No.	Name	Image
350050010	Universal assembly device $\varnothing 50$	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	
350011020	Spacer ring $\varnothing 50 \times \varnothing 20 \times 20$	
350011010	Spacer ring $\varnothing 50 \times \varnothing 20 \times 10$	
350011004	Spacer ring $\varnothing 50 \times \varnothing 20 \times 4$	
350015003	Support washer $\varnothing 50 \times \varnothing 75 \times \varnothing 20 \times 6$	
350030010	Lock washer $\varnothing 50 \times \varnothing 20 \times 2$	
350020060	Clamping nut $\varnothing 50 \times 6 \times M20 \times 1$ PC27	
350020020	*Clamping nut with balancing option $\varnothing 50 \times 8,5$ M20 x 1,0 PC27	

## Strausak similar HSK50 // Shaft $\varnothing 38$ mm // RS $\varnothing 62$ mm

For Strausak Promat tool grinding machines with ring set  $\varnothing 62$  mm

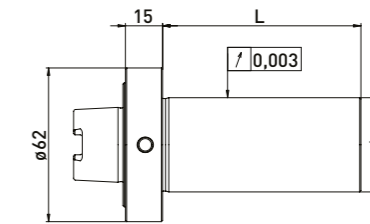
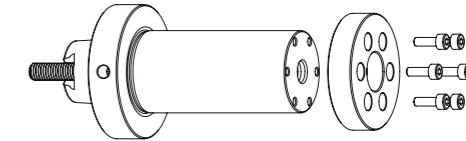
### GWA similar HSK50 // $\varnothing 38$ mm // RS $\varnothing 62$ mm



Delivered equipped:  
Ring set  $\varnothing 62$  mm, clamping flange, 4pc. allen screw and tightening screw

Order No.	Taper	d	L	Ring set $\varnothing 62$ mm		
				B20	B10	B4
300062332	similar HSK50	38	80	2	2	4

### GWA similar HSK50 // $\varnothing 38$ mm // without RS



Delivered equipped:  
Clamping flange, 4pc. allen screw and tightening screw

Order No.	Taper	d	L

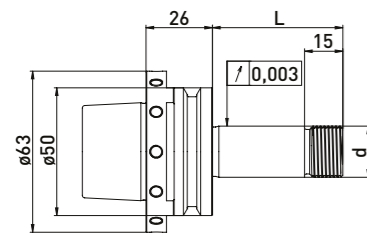
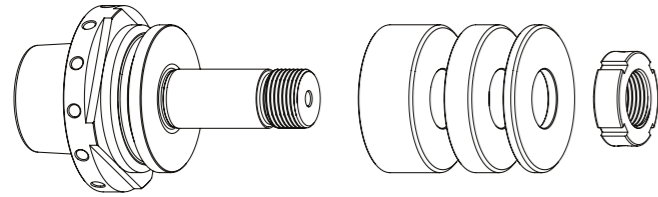
### Accessories Strausak Promat grinding wheel adapter similar HSK50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

Order No.	Name	Image
350050040	Assembly device Strausak $\varnothing 62$	
350013320	Spacer ring $\varnothing 62 \times \varnothing 38 \times 20$	
350013310	Spacer ring $\varnothing 62 \times \varnothing 38 \times 10$	
350013304	Spacer ring $\varnothing 62 \times \varnothing 38 \times 4$	
350020040	Clamping flange $\varnothing 54 \times 12$	

## Strausak HSK-E50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

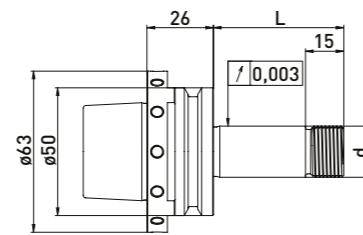
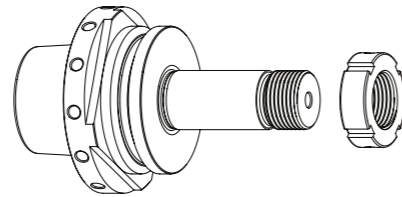
For Strausak tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK-E50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm and clamping nut

### GWA HSK-E50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Clamping nut

#### Ring set $\varnothing 50$ mm

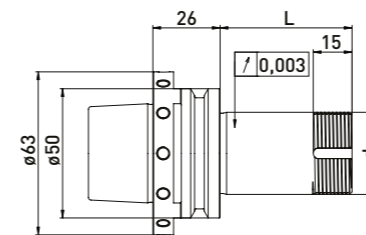
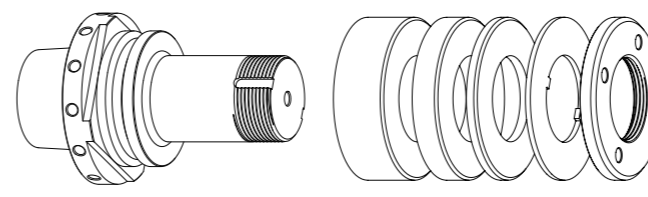
Order No.	HSK	d	L	B20	B10	B4
300150612	HSK-50	20	51	1	1	2
300150632	HSK-50	20	81	2	2	2

Order No.	HSK	d	L
300150611	HSK-50	20	51
300150631	HSK-50	20	81

## Strausak HSK-E50 // Shaft $\varnothing 31,75$ mm (1¼) // RS $\varnothing 60$ mm

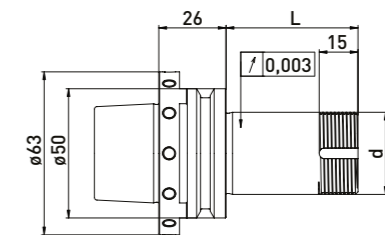
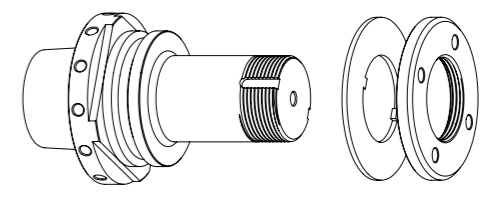
For Strausak tool grinding machines with ring set  $\varnothing 60$  mm

### GWA HSK-E50 // $\varnothing 31,75$ mm // RS $\varnothing 60$ mm



Delivered equipped:  
Ring set  $\varnothing 60$  mm, lock washer and clamping nut

### GWA HSK-E50 // $\varnothing 31,75$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut

#### Ring set $\varnothing 60$ mm

Order No.	HSK	d	L	B20	B10	B4
300150712	HSK-50E	31,75	51	-	1	3
300150732	HSK-50E	31,75	81	1	1	3

Order No.	HSK	d	L
300150711	HSK-50E	31,75	51
300150731	HSK-50E	31,75	81

### Accessories Strausak grinding wheel adapter HSK-E50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

#### Order No. Name

350040051 Hook wrench 30 - 32 mm



#### Order No. Name

350011520 Spacer ring Rollomatic  $\varnothing 50 \times \varnothing 20 \times 20$



350011510 Spacer ring Rollomatic  $\varnothing 50 \times \varnothing 20 \times 10$



350011504 Spacer ring Rollomatic  $\varnothing 50 \times \varnothing 20 \times 4$



350020121 Clamping nut MRR20 x 1,5 M20 x 1,5  $\varnothing 32 \times 10$



350015003 Support washer  $\varnothing 50 \times \varnothing 75 \times \varnothing 20 \times 6$



### Accessories Strausak grinding wheel adapter HSK-E50 // $\varnothing 31,75$ mm (1¼) // Ring set $\varnothing 60$ mm

#### Order No. Name

350040030 \*Clamping nut wrench PC39 for clamping nut with blancing option



350040020 Clamping nut wrench PC45 for  $\varnothing 32$



350020023 \*Balancing weight pair for clamping nut  $\varnothing 60$  // 200gmm



#### Order No. Name

350011420 Spacer ring  $\varnothing 60 \times \varnothing 31,75 \times 20$



350011410 Spacer ring  $\varnothing 60 \times \varnothing 31,75 \times 10$



350011404 Spacer ring  $\varnothing 60 \times \varnothing 31,75 \times 4$



350030060 Lock washer  $\varnothing 60 \times \varnothing 32 \times 1,8$



350020066 Clamping nut  $\varnothing 60 \times 6 \times M32 \times 1,5$  PC45



350020022 \*Clamping nut with balancing option  $\varnothing 60 \times 9$  M32 x 1,5 PC39

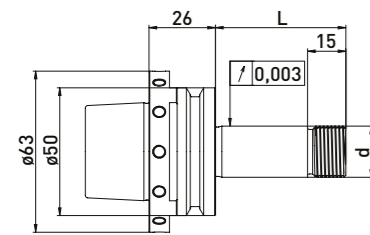
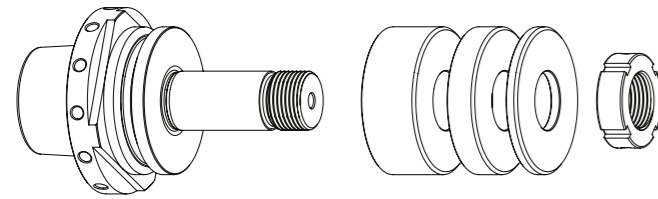




## Strausak HSK-E50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Strausak tool grinding machines with ring set  $\varnothing 50$  mm

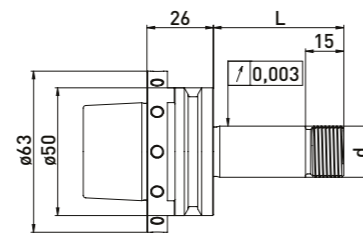
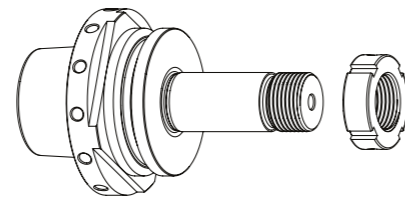
### GWA HSK-E50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm and clamping nut

Order No.	HSK	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300150612	HSK-50	20	51	1	1	2
300150632	HSK-50	20	81	2	2	2

### GWA HSK-E50 // $\varnothing 20$ mm // without RS



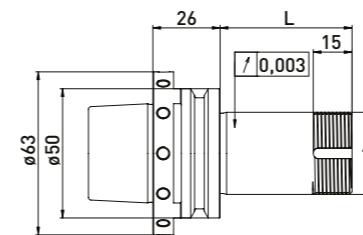
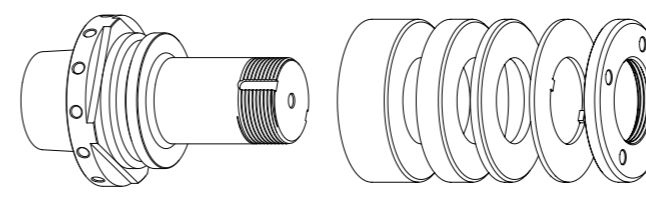
Delivered equipped:  
Clamping nut

Order No.	HSK	d	L
300150611	HSK-50	20	51
300150631	HSK-50	20	81

## Strausak HSK-E50 // Shaft $\varnothing 31,75$ mm (1¼) // RS $\varnothing 60$ mm

For Strausak tool grinding machines with ring set  $\varnothing 60$  mm

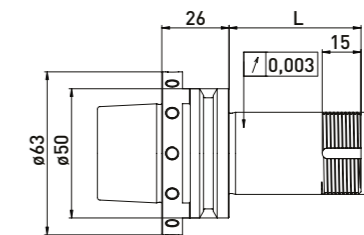
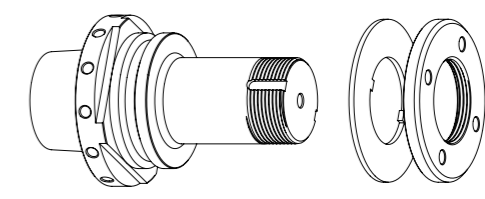
### GWA HSK-E50 // $\varnothing 31,75$ mm // RS $\varnothing 60$ mm



Delivered equipped:  
Ring set  $\varnothing 60$  mm, lock washer and clamping nut

Order No.	HSK	d	L	Ring set $\varnothing 60$ mm		
				B20	B10	B4
300150712	HSK-50E	31,75	51	-	1	3
300150732	HSK-50E	31,75	81	1	1	3

### GWA HSK-E50 // $\varnothing 31,75$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut

Order No.	HSK	d	L
300150711	HSK-50E	31,75	51
300150731	HSK-50E	31,75	81

### Accessories Strausak grinding wheel adapter HSK-E50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

Order No.	Name
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350040051	Hook wrench 30 - 32 mm
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Order No.	Name
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350011520	Spacer ring Rollomatic $\varnothing 50 \times \varnothing 20 \times 20$
350011510	Spacer ring Rollomatic $\varnothing 50 \times \varnothing 20 \times 10$
350011504	Spacer ring Rollomatic $\varnothing 50 \times \varnothing 20 \times 4$
350020121	Clamping nut MRR20 x 1,5 M20 x 1,5 $\varnothing 32 \times 10$
350015003	Support washer $\varnothing 50 \times \varnothing 75 \times \varnothing 20 \times 6$



### Accessories Strausak grinding wheel adapter HSK-E50 // $\varnothing 31,75$ mm (1¼) // Ring set $\varnothing 60$ mm

Order No.	Name
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350040030	*Clamping nut wrench PC39 for clamping nut with blancing option
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350040020	Clamping nut wrench PC45 for $\varnothing 32$
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350020023	*Balancing weight pair for clamping nut $\varnothing 60$ // 200gmm
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Order No.	Name
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350011420	Spacer ring $\varnothing 60 \times \varnothing 31,75 \times 20$
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350011410	Spacer ring $\varnothing 60 \times \varnothing 31,75 \times 10$
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350011404	Spacer ring $\varnothing 60 \times \varnothing 31,75 \times 4$
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350030060	Lock washer $\varnothing 60 \times \varnothing 32 \times 1,8$
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350020066	Clamping nut $\varnothing 60 \times 6 \times M32 \times 1,5$ PC45
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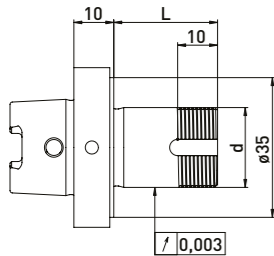
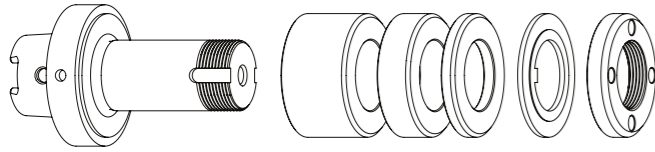
350020022	*Clamping nut with balancing option $\varnothing 60 \times 9$ M32 x 1,5 PC39
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## TTB HSK-F40 // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For TTB tool grinding machines with ring set  $\varnothing 35$  mm

### GWA HSK-F40 // $\varnothing 20$ mm // RS $\varnothing 35$ mm



Delivered equipped:  
Ring set  $\varnothing 35$  mm, lock washer and clamping nut

Order No.	HSK	d	L	Ring set $\varnothing 35$ mm		
				B 20	B 10	B 4
300132012	HSK-F40	20	26	-	-	4
300132022	HSK-F40	20	42	-	2	3
300132032	HSK-F40	20	60	1	2	3

### Accessories TTB grinding wheel adapter HSK-F40 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

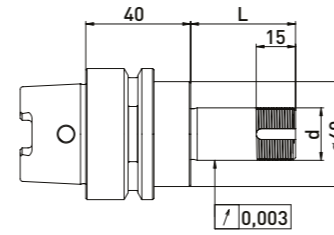
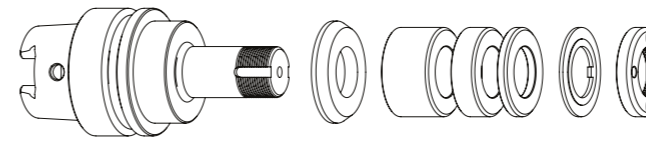
Order No.	Name
350050050	Assembly device $\varnothing 40$
350040010	Clamping nut wrench PC27 for $\varnothing 20$
350040011	Clamping nut wrench PC27 for $\varnothing 20$
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with blancing option
350040041	*Clamping nut wrench PC29 for $\varnothing 20$
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm

Order No.	Name
350012020	Spacer ring $\varnothing 35 \times \varnothing 20 \times 20$
350012010	Spacer ring $\varnothing 35 \times \varnothing 20 \times 10$
350012004	Spacer ring $\varnothing 35 \times \varnothing 20 \times 4$
350030020	Lock washer $\varnothing 35 \times \varnothing 20 \times 2$
350020030	Clamping nut $\varnothing 35 \times 6$ M20 x 1 PC27
350020080	*Clamping nut with balancing option $\varnothing 35 \times \varnothing 40 \times 8$ x M20 x 1 PC29
350015005	Support washer $\varnothing 35 \times \varnothing 60 \times \varnothing 20 \times 6$

## Vollmer HSK50 // Schaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For Vollmer VGRIND tool grinding machines with ring set  $\varnothing 35$  mm

### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 35$ mm



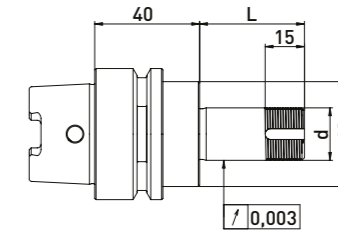
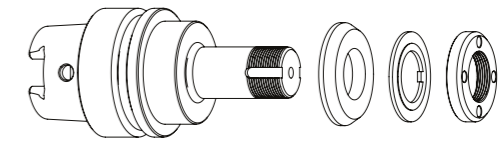
Delivered equipped:  
Reducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

Order No.	HSK	d	L	Ring set $\varnothing 35$ mm		
				B 20	B 10	B 4
300012512	HSK50	20	40	-	1	3
300012522	HSK50	20	60	1	1	3
300012532	HSK50	20	75	1	2	4
300012542	HSK50	20	85	2	1	4
300012552	HSK50	20	100	2	3	3

### Accessories Vollmer grinding wheel adapter HSK50 // $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350040010	Clamping nut wrench PC27 for $\varnothing 20$
350040011	Clamping nut wrench PC27 for $\varnothing 20$
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with blancing option
350040041	*Clamping nut wrench PC29 for $\varnothing 20$
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300012511	HSK50	20	40
300012521	HSK50	20	60
300012531	HSK50	20	75
300012541	HSK50	20	85
300012551	HSK50	20	100

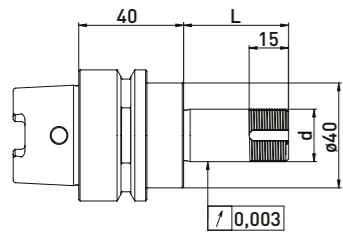
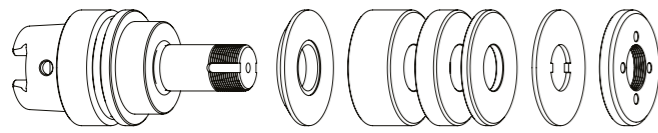
Order No.	Name
350012020	Spacer ring $\varnothing 35 \times \varnothing 20 \times 20$
350012010	Spacer ring $\varnothing 35 \times \varnothing 20 \times 10$
350012004	Spacer ring $\varnothing 35 \times \varnothing 20 \times 4$
350015006	Reducing washer $\varnothing 40 \times \varnothing 35 \times \varnothing 20 \times 6$
350030020	Lock washer $\varnothing 35 \times \varnothing 20 \times 2$
350020030	Clamping nut $\varnothing 35 \times 6$ M20 x 1 PC27
350020080	*Clamping nut with balancing option $\varnothing 35 \times \varnothing 40 \times 8$ x M20 x 1 PC29
350015005	Support washer $\varnothing 35 \times \varnothing 60 \times \varnothing 20 \times 6$



## Vollmer HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Vollmer VGRIND tool grinding machines with ring set  $\varnothing 50$  mm

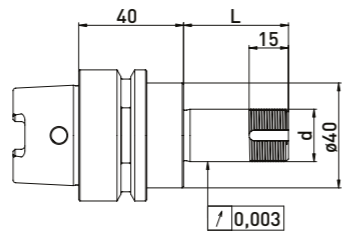
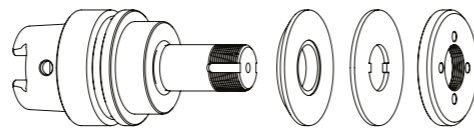
### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Reducing washer, ring set  $\varnothing 50$  mm, lock washer and clamping nut

Order No.	HSK	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300012012	HSK50	20	40	-	1	3
300012022	HSK50	20	60	1	1	3
300012032	HSK50	20	75	1	2	4
300012042	HSK50	20	85	2	1	4
300012052	HSK50	20	100	2	3	3

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300012011	HSK50	20	40
300012021	HSK50	20	60
300012031	HSK50	20	75
300012041	HSK50	20	85
300012051	HSK50	20	100

### Accessories Vollmer grinding wheel adapter HSK50 // $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

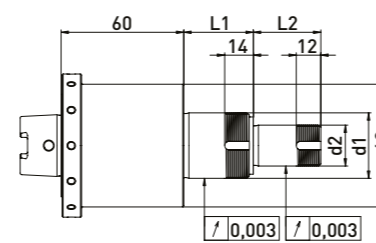
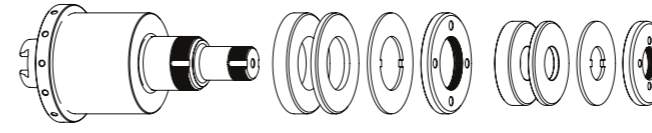
Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	

Order No.	Name	
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20	
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10	
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4	
350015002	Reducing washer $\varnothing 40$ x $\varnothing 50$ x $\varnothing 20$ x 6	
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2	
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27	
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27	
350015003	Support washer $\varnothing 50$ x $\varnothing 75$ x $\varnothing 20$ x 6	

## Walter HSK40 // stepped Shaft $\varnothing 20$ , $\varnothing 32$ // RS $\varnothing 50$ and $\varnothing 60$ mm

For Walter tool grinding machines with ring set  $\varnothing 50$  and  $\varnothing 60$  mm

### GWA HSK40 // stepped $\varnothing 20$ $\varnothing 32$ mm // RS $\varnothing 50$ $\varnothing 60$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  and  $\varnothing 60$  mm, lock washer and clamping nut

Order No.	HSK	d1	d2	L1	L2	Ring set $\varnothing 50$ mm		Ring set $\varnothing 60$ mm	
						B20	B4	B10	B4
300103012	HSK40	32	20	34	33	1	2	1	2

### Accessories Walter grinding wheel adapter HSK40 // stepped Shaft $\varnothing 20$ , $\varnothing 30$ // RS $\varnothing 50$ and $\varnothing 60$ mm

#### Accessories $\varnothing 50$ mm

Order No.	Name	
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20	
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10	
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4	
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2	
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27	
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	

#### Accessories $\varnothing 60$ mm

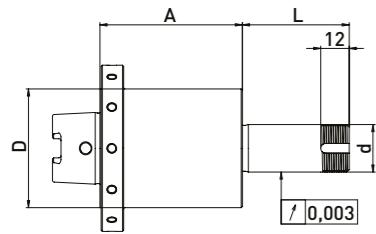
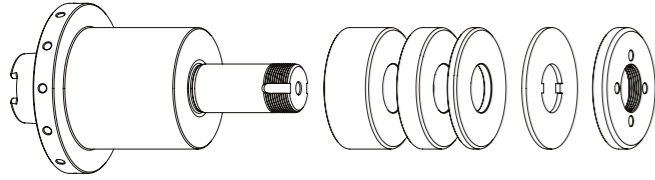
Order No.	Name	
350011320	Spacer ring $\varnothing 60$ x $\varnothing 32$ x 20	
350011310	Spacer ring $\varnothing 60$ x $\varnothing 32$ x 10	
350011304	Spacer ring $\varnothing 60$ x $\varnothing 32$ x 4	
350030060	Lock washer $\varnothing 60$ x $\varnothing 32$ x 1,8	
350020065	Clamping nut $\varnothing 60$ x 6 x M32x1 PC45	
350040020	Clamping nut wrench PC45 for $\varnothing 32$	

\*related items

## Walter HSK40 // Shaft $\varnothing 20$ / Shaft $\varnothing 32$ mm // RS $\varnothing 50$ and $\varnothing 60$ mm

For Walter tool grinding machines with ring set  $\varnothing 50$  and  $\varnothing 60$  mm

### GWA HSK40 // $\varnothing 20$ / $\varnothing 32$ mm // RS $\varnothing 50$ / $\varnothing 60$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm or ring set  $\varnothing 60$ , lock washer and clamping nut

### Walter HSK40 // Shaft $\varnothing 20$ // Ring set $\varnothing 50$ mm

Order No.	HSK	d	D	A	L	B20	B10	B4
300103112	HSK40	20	50	60	45	-	2	3
300103122	HSK40	20	50	80	52	1	1	3

### Accessories $\varnothing 50$ mm

Order No.	Name	
350011020	Spacer ring $\varnothing 50 \times \varnothing 20 \times 20$	
350011010	Spacer ring $\varnothing 50 \times \varnothing 20 \times 10$	
350011004	Spacer ring $\varnothing 50 \times \varnothing 20 \times 4$	
350030010	Lock washer $\varnothing 50 \times \varnothing 20 \times 2$	
350020060	Clamping nut $\varnothing 50 \times 6 \times M20 \times 1$ PC27	
350020020	*Clamping nut with balancing option $\varnothing 50 \times 8,5 M20 \times 1,0$ PC27	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	

### Walter HSK40 // Shaft $\varnothing 32$ and 31,75 // Ring set $\varnothing 60$ mm

Order No.	HSK	d	D	A	L	B10	B4
300103132	HSK40	32	60	60	42	2	3
300103142	HSK40	31,75	60	60	45	1	1

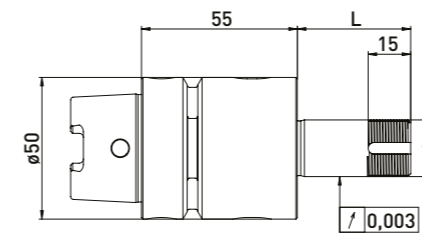
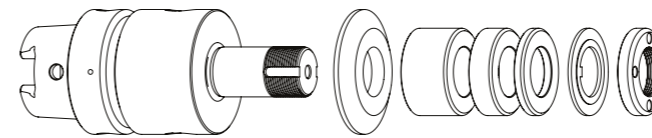
### Accessories $\varnothing 60$ mm

Order No.	Name	
350011320	Spacer ring $\varnothing 60 \times \varnothing 32 \times 20$	
350011310	Spacer ring $\varnothing 60 \times \varnothing 32 \times 10$	
350011304	Spacer ring $\varnothing 60 \times \varnothing 32 \times 4$	
350011420	Spacer ring $\varnothing 60 \times \varnothing 31,75 \times 20$	
350011410	Spacer ring $\varnothing 60 \times \varnothing 31,75 \times 10$	
350011404	Spacer ring $\varnothing 60 \times \varnothing 31,75 \times 4$	
350030060	Lock washer $\varnothing 60 \times \varnothing 32 \times 1,8$	
350020066	Clamping nut $\varnothing 60 \times 6 \times M32 \times 1,5$ PC45	
350020022	*Clamping nut with balancing option $\varnothing 60 \times 9 M32 \times 1,5$ PC39	
350040030	*Clamping nut wrench TK39 for clamping nut with balancing option	
350040020	Clamping nut wrench PC45 for $\varnothing 32$	
350020023	*Balancing weight pair for clamping nut $\varnothing 60$ // 200gmm	

## Walter HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For Walter tool grinding machines with ring set  $\varnothing 35$  mm

### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 35$ mm



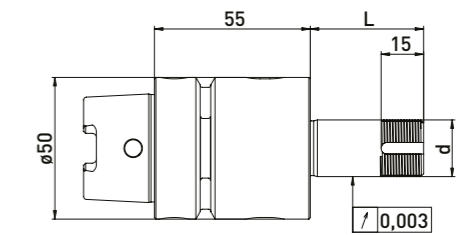
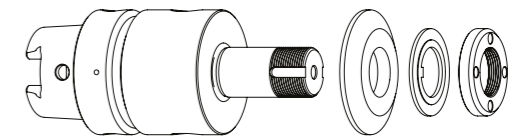
Delivered equipped:  
Reducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

Order No.	HSK	d	L	Ring set $\varnothing 35$ mm		
				B20	B10	B4
300102512	HSK50	20	40	-	1	3
300102522	HSK50	20	60	1	1	3
300102532	HSK50	20	85	2	2	4
300102542	HSK50	20	100	2	3	3

### Accessories Walter grinding wheel adapter HSK50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040010	Clamping nut wrench PC27 for $\varnothing 20$	
350040011	Clamping nut wrench PC27 for $\varnothing 20$	
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with balancing option	
350040041	*Clamping nut wrench PC29 for $\varnothing 20$	
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm	

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300102511	HSK50	20	40
300102521	HSK50	20	60
300102531	HSK50	20	85
300102541	HSK50	20	100

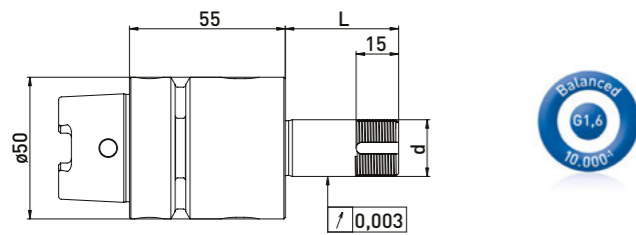
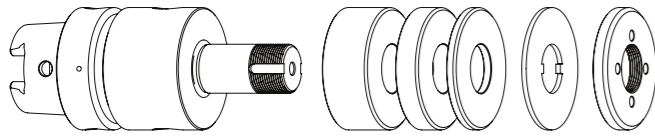
Order No.	Name	
350012020	Spacer ring $\varnothing 35 \times \varnothing 20 \times 20$	
350012010	Spacer ring $\varnothing 35 \times \varnothing 20 \times 10$	
350012004	Spacer ring $\varnothing 35 \times \varnothing 20 \times 4$	
350015001	Reducing washer $\varnothing 50 \times \varnothing 35 \times \varnothing 20 \times 6$	
350030020	Lock washer $\varnothing 35 \times \varnothing 20 \times 2$	
350020030	Clamping nut $\varnothing 35 \times 6 M20 \times 1$ PC27	
350020080	*Clamping nut with balancing option $\varnothing 35 \times \varnothing 40 \times 8 \times M20 \times 1$ PC29	
350015005	Support washer $\varnothing 35 \times \varnothing 60 \times \varnothing 20 \times 6$	



## Walter HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

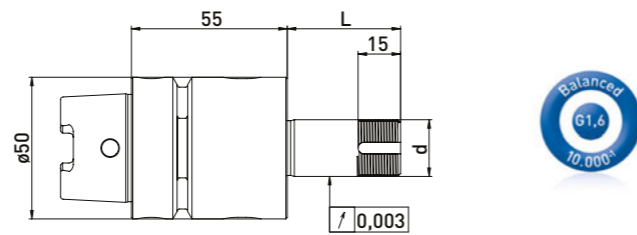
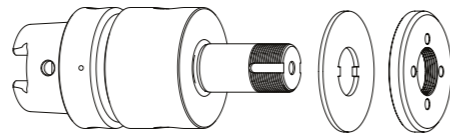
For Walter tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm



Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Lock washer and clamping nut

#### Ring set $\varnothing 50$ mm

Order No.	HSK	d	L	B20	B10	B4
300102012	HSK50	20	40	-	2	3
300102022	HSK50	20	60	1	2	3
300102032	HSK50	20	85	2	2	4
300102042	HSK50	20	100	2	3	5

Order No.	HSK	d	L
300102011	HSK50	20	40
300102021	HSK50	20	60
300102031	HSK50	20	85
300102041	HSK50	20	100

### Accessories Walter grinding wheel adapter HSK50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

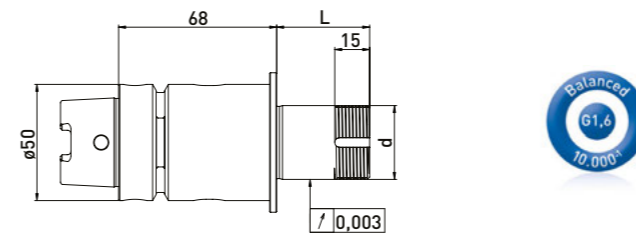
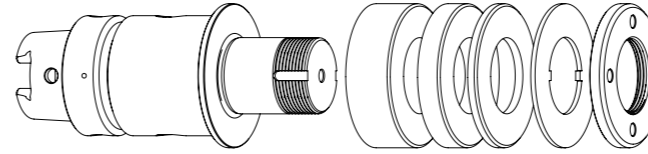
Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350040010	*Clamping nut wrench PC27 for $\varnothing 20$
350040011	*Clamping nut wrench PC27 for $\varnothing 20$
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm

Order No.	Name
350011020	Spacer ring $\varnothing 50 \times \varnothing 20 \times 20$
350011010	Spacer ring $\varnothing 50 \times \varnothing 20 \times 10$
350011004	Spacer ring $\varnothing 50 \times \varnothing 20 \times 4$
350015002	Reducing washer $\varnothing 40 \times \varnothing 50 \times \varnothing 20 \times 6$
350020060	Clamping nut $\varnothing 50 \times 6 \times M20 \times 1$ PC27
350020020	*Clamping nut with balancing option $\varnothing 50 \times 8,5$ M20 x 1,0 PC27

## Walter HSK50 // Shaft $\varnothing 31,75$ mm ( $1\frac{1}{4}$ ) // RS $\varnothing 60$ mm

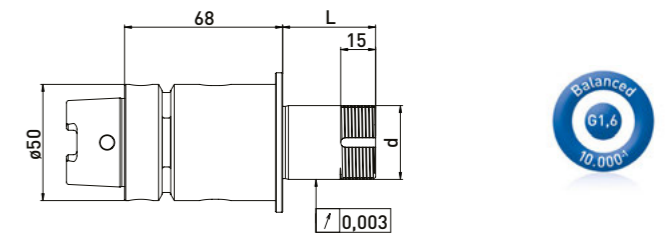
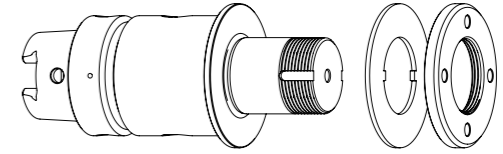
For Walter tool grinding machines with ring set  $\varnothing 60$  mm

### GWA HSK50 // $\varnothing 31,75$ mm ( $1\frac{1}{4}$ ) // RS $\varnothing 60$ mm



Delivered equipped:  
Ring set  $\varnothing 60$  mm, lock washer and clamping nut

### GWA HSK50 // $\varnothing 31,75$ mm ( $1\frac{1}{4}$ ) // without RS



Delivered equipped:  
Lock washer and clamping nut

#### Ring set $\varnothing 60$ mm

Order No.	HSK	d	L	B20	B10	B4
300102112	HSK50	31,75	40	-	2	3
300102122	HSK50	31,75	60	1	2	3
300102132	HSK50	31,75	85	2	2	4
300102142	HSK50	31,75	100	3	2	3

Order No.	HSK	d	L
300102111	HSK50	31,75	40
300102121	HSK50	31,75	60
300102131	HSK50	31,75	85
300102141	HSK50	31,75	100

### Accessories Walter grinding wheel adapter HSK50 // Shaft $\varnothing 31,75$ mm ( $1\frac{1}{4}$ ) // Ring set $\varnothing 60$ mm

Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350040030	*Clamping nut wrench PC39 for clamping nut with balancing option
350040020	Clamping nut wrench PC45 for $\varnothing 32$
350020023	*Balancing weight pair for clamping nut $\varnothing 60$ // 200gmm

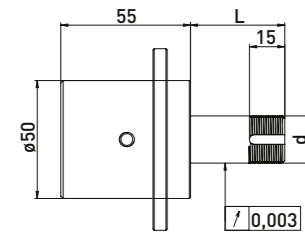
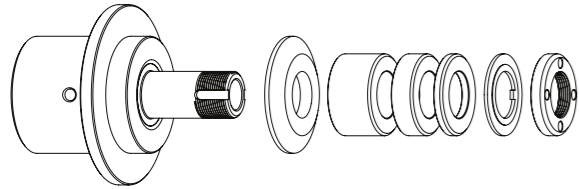
Order No.	Name
350011420	Spacer ring $\varnothing 60 \times \varnothing 31,75 \times 20$
350011410	Spacer ring $\varnothing 60 \times \varnothing 31,75 \times 10$
350011404	Spacer ring $\varnothing 60 \times \varnothing 31,75 \times 4$
350030060	Lock washer $\varnothing 60 \times \varnothing 32 \times 1,8$
350020066	Clamping nut $\varnothing 60 \times 6 \times M32 \times 1,5$ PC45
350020022	*Clamping nut with balancing option $\varnothing 60 \times 9$ M32 x 1,5 PC39

## Walter NCT // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

For Walter tool grinding machines with ring set  $\varnothing 35$  mm

### GWA NCT $\varnothing 31,75$ mm (1¼) // $\varnothing 20$ mm // RS $\varnothing 35$ mm

Tight with torque wrench 80Nm.

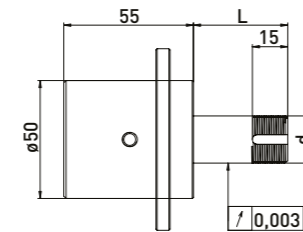
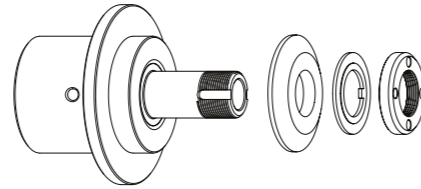


Delivered equipped:  
Reducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

Order No.	Internal taper	d	L	Ring set $\varnothing 35$ mm		
				B20	B10	B4
300101512	31,75	20	40	-	1	3
300101522	31,75	20	60	1	1	3
300101542	31,75	20	85	2	1	4
300101532	31,75	20	100	2	3	3

### GWA NCT $\varnothing 31,75$ mm (1¼) // $\varnothing 20$ mm // without RS

Tight with torque wrench 80Nm.



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	Internal taper	d	L
300101511	31,75	20	40
300101521	31,75	20	60
300101541	31,75	20	85
300101531	31,75	20	100

### Accessories Walter grinding wheel adapter NCT // Shaft $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

Order No.	Name	
350050010	Universal Assembly device $\varnothing 50$	
350040010	Clamping nut wrench PC27 for $\varnothing 20$	
350040011	Clamping nut wrench PC27 for $\varnothing 20$	
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with blancing option	
350040041	*Clamping nut wrench PC29 for $\varnothing 20$	
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm	
300101001	Installation kit for NCT63 Walter	
300101003	Assembly wrench for installation kit NCT63 M20 x 1,5	

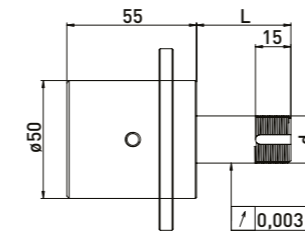
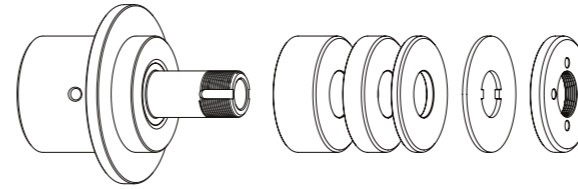
Order No.	Name	
350012020	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 20	
350012010	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 10	
350012004	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 4	
350015001	Reducing washer $\varnothing 50$ x $\varnothing 35$ x $\varnothing 20$ x 6	
350030020	Lock washer $\varnothing 35$ x $\varnothing 20$ x 2	
350020030	Clamping nut $\varnothing 35$ x 6 M20 x 1 PC27	
350020080	*Clamping nut with balancing option $\varnothing 35$ x $\varnothing 40$ x 8 x M20 x 1 PC29	
350015005	Support washer $\varnothing 35$ x $\varnothing 60$ x $\varnothing 20$ x 6	

## Walter NCT // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

For Walter tool grinding machines with ring set  $\varnothing 50$  mm

### GWA NCT $\varnothing 31,75$ mm (1¼) // $\varnothing 20$ mm // RS $\varnothing 50$ mm

Tight with torque wrench 80Nm.

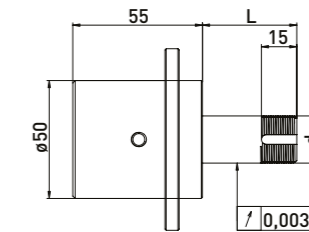
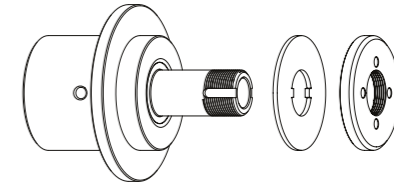


Delivered equipped:  
Ring set  $\varnothing 50$  mm, lock washer and clamping nut

Order No.	Internal taper	d	L	Ring set $\varnothing 50$ mm		
				B20	B10	B4
300101012	31,75	20	40	-	1	3
300101022	31,75	20	60	1	1	3
300101042	31,75	20	85	2	1	4
300101032	31,75	20	100	2	3	3

### GWA NCT $\varnothing 31,75$ mm (1¼) // $\varnothing 20$ mm // without RS

Tight with torque wrench 80Nm.



Delivered equipped:  
Lock washer and clamping nut

Order No.	Internal taper	d	L
300101011	31,75	20	40
300101021	31,75	20	60
300101041	31,75	20	85
300101031	31,75	20	100

### Accessories Walter grinding wheel adapter NCT // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

Order No.	Name	
350050010	Universal Assembly device $\varnothing 50$	
350040010	*Clamping nut wrench PC27 for $\varnothing 20$	
350040011	*Clamping nut wrench PC27 for $\varnothing 20$	
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with blancing option	
350040041	*Clamping nut wrench PC29 for $\varnothing 20$	
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm	
300101001	Installation kit for NCT63 Walter	
300101003	Assembly wrench for installation kit NCT63 M20 x 1,5	

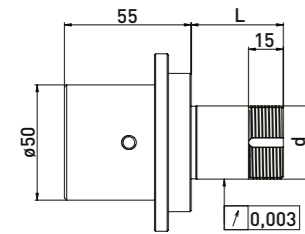
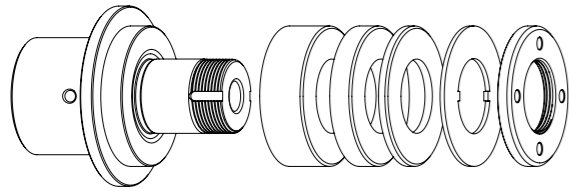
Order No.	Name	
350011020	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20	
350011010	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 10	
350011004	Spacer ring $\varnothing 50$ x $\varnothing 20$ x 4	
350030010	Lock washer $\varnothing 50$ x $\varnothing 20$ x 2	
350020060	Clamping nut $\varnothing 50$ x 6 x M20 x 1 PC27	
350020020	*Clamping nut with balancing option $\varnothing 50$ x 8,5 M20 x 1,0 PC27	



## Walter NCT // Shaft $\varnothing 31,75$ mm (1¼) // RS $\varnothing 60$ mm

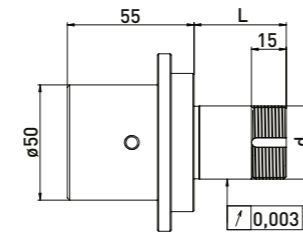
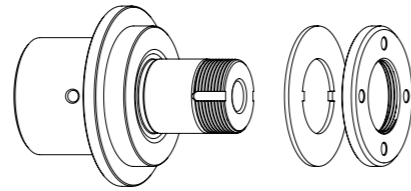
For Walter tool grinding machines with ring set  $\varnothing 60$  mm

### GWA NCT $\varnothing 31,75$ mm // $\varnothing 31,75$ mm (1¼) // RS $\varnothing 60$ mm



Delivered equipped:  
Ring set  $\varnothing 60$  mm, lock washer and clamping nut

### GWA NCT $\varnothing 31,75$ mm (1¼) // $\varnothing 31,75$ mm (1¼) // without RS



Delivered equipped:  
Lock washer and clamping nut

Ring set  $\varnothing 60$  mm

Order No.	Internal taper	d	L	B20	B10	B4
300101112	31,75	31,75	40	-	1	5
300101122	31,75	31,75	60	1	1	5
300101132	31,75	31,75	85	1	4	4
300101142	31,75	31,75	100	2	3	5

Order No.	Internal taper	d	L
300101111	31,75	31,75	40
300101121	31,75	31,75	60
300101131	31,75	31,75	85
300101141	31,75	31,75	100

### Accessories Walter grinding wheel adapter NCT // Shaft $\varnothing 31,75$ mm (1¼) // Ring set $\varnothing 50$ mm

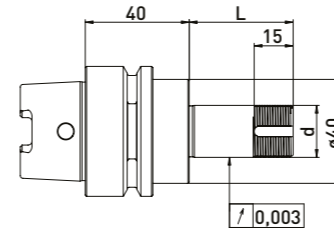
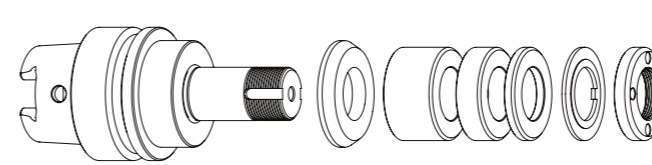
Order No.	Name	
350050010	Universal Assembly device $\varnothing 50$	
350040030	*Clamping nut wrench PC39 for clamping nut with blancing option	
350040020	Clamping nut wrench PC45 for $\varnothing 32$	
350020023	*Balancing weight pair for clamping nut $\varnothing 60$ // 200gmm	
300101001	Installation kit for NCT63 Walter	
300101003	Assembly wrench for installation kit NCT63 M20 x 1,5	

Order No.	Name	
350011420	Spacer ring $\varnothing 60$ x $\varnothing 31,75$ x 20	
350011410	Spacer ring $\varnothing 60$ x $\varnothing 31,75$ x 10	
350011404	Spacer ring $\varnothing 60$ x $\varnothing 31,75$ x 4	
350030060	Lock washer $\varnothing 60$ x $\varnothing 32$ x 1,8	
350020066	Clamping nut $\varnothing 60$ x 6 x M32 x 1,5 PC45	
350020022	*Clamping nut with balancing option $\varnothing 60$ x 9 M32 x 1,5 PC39	

## Zaro HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 35$ mm

Fitted to Zaro tool grinding machines with ring set  $\varnothing 35$  mm

### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 35$ mm

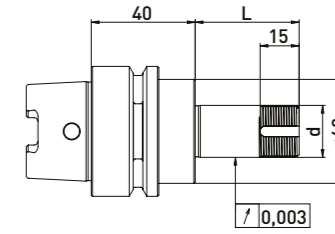
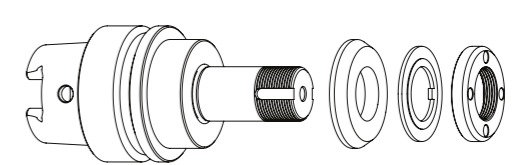


Delivered equipped:  
Reducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

Ring set  $\varnothing 35$  mm

Order No.	HSK	d	L	B20	B10	B4
300112512	HSK50	20	40	-	1	3
300112522	HSK50	20	60	1	1	3
300112532	HSK50	20	75	1	2	4
300112542	HSK50	20	85	2	1	4
300112552	HSK50	20	100	2	3	3

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

### Accessories Zaro grinding wheel adapter HSK50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 35$ mm

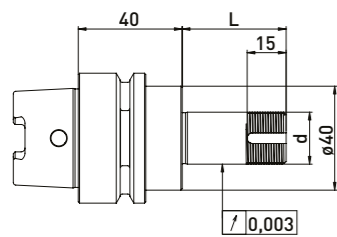
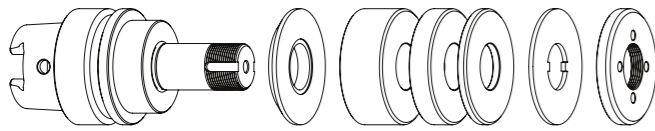
Order No.	Name	
350050010	Universal assembly device $\varnothing 50$	
350040010	Clamping nut wrench PC27 for $\varnothing 20$	
350040011	Clamping nut wrench PC27 for $\varnothing 20$	
350040040	*Clamping nut wrench PC29 for $\varnothing 20$ for clamping nut with blancing option	
350040041	*Clamping nut wrench PC29 for $\varnothing 20$	
350020081	*Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm	

Order No.	Name	
350012020	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 20	
350012010	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 10	
350012004	Spacer ring $\varnothing 35$ x $\varnothing 20$ x 4	
350015001	Reducing washer $\varnothing 50$ x $\varnothing 35$ x $\varnothing 20$ x 6	
350030020	Lock washer $\varnothing 35$ x $\varnothing 20$ x 2	
350020030	Clamping nut $\varnothing 35$ x 6 M20 x 1 PC27	
350020080	*Clamping nut with balancing option $\varnothing 35$ x $\varnothing 40$ x 8 x M20 x 1 PC29	
350015005	Support washer $\varnothing 35$ x $\varnothing 60$ x $\varnothing 20$ x 6	

## Zaro HSK50 // Shaft $\varnothing 20$ mm // RS $\varnothing 50$ mm

Fitted to Zaro tool grinding machines with ring set  $\varnothing 50$  mm

### GWA HSK50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm

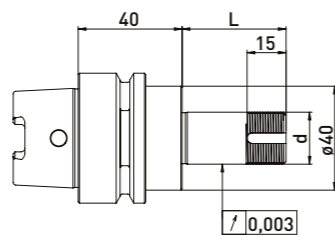
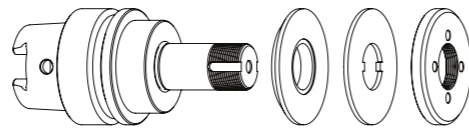


Delivered equipped:  
Reducing washer, ring set  $\varnothing 50$  mm, lock washer and clamping nut

Ring set  $\varnothing 50$  mm

Order No.	HSK	d	L	B 20	B 10	B 4
300112012	HSK50	20	40	-	1	3
300112022	HSK50	20	60	1	1	3
300112032	HSK50	20	75	1	2	4
300112042	HSK50	20	85	2	1	4
300112052	HSK50	20	100	2	3	3

### GWA HSK50 // $\varnothing 20$ mm // without RS



Delivered equipped:  
Reducing washer, lock washer and clamping nut

Order No.	HSK	d	L
300112011	HSK50	20	40
300112021	HSK50	20	60
300112031	HSK50	20	75
300112041	HSK50	20	85
300112051	HSK50	20	100

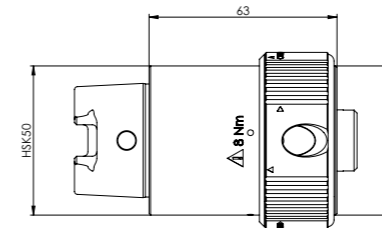
### Accessories Zaro grinding wheel adapter HSK50 // Shaft $\varnothing 20$ mm // Ring set $\varnothing 50$ mm

Order No.	Name
350050010	Universal assembly device $\varnothing 50$
350040010	*Clamping nut wrench PC27 for $\varnothing 20$
350040011	*Clamping nut wrench PC27 for $\varnothing 20$
350020021	*Balancing weight pair for clamping nut $\varnothing 50$ // 100gmm

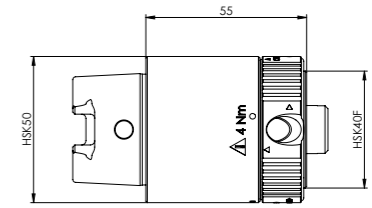
Order No.	Name
350011020	Spacer ring $\varnothing 50 \times \varnothing 20 \times 20$
350011010	Spacer ring $\varnothing 50 \times \varnothing 20 \times 10$
350011004	Spacer ring $\varnothing 50 \times \varnothing 20 \times 4$
350015002	Reducing washer $\varnothing 40 \times \varnothing 50 \times \varnothing 20 \times 6$
350030010	Lock washer $\varnothing 50 \times \varnothing 20 \times 2$
350020060	Clamping nut $\varnothing 50 \times 6 \times M20 \times 1$ PC27
350020020	*Clamping nut with balancing option $\varnothing 50 \times 8,5$ M20 x 1,0 PC27

## Finely balanced adapters HSK50 // SK40 // SK50

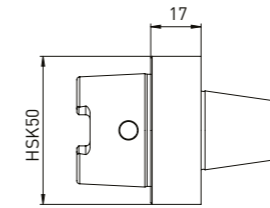
Adapter piece for tool grinding machines, dressing machines, presetting devices, balancing machines



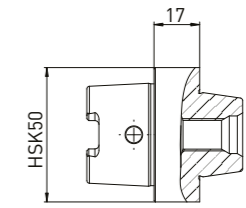
Order No.	Name
350130020	Adapter piece HSK50 on HSK40 A/C/E HSK50 B/D/F



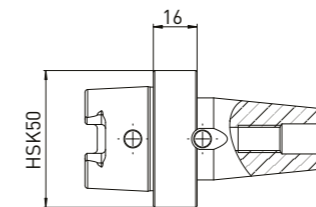
Order No.	Name
350130021	Adapter piece HSK50 on HSK32 A/C/E HSK40 B/D/F



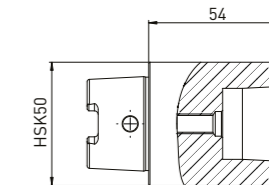
Order No.	Name
350130034	Adapter piece HSK50 on ANCA taper $\varnothing 30$



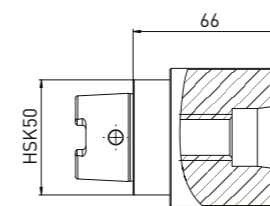
Order No.	Name
350130032	Adapter piece HSK50 on Haas/Walter taper



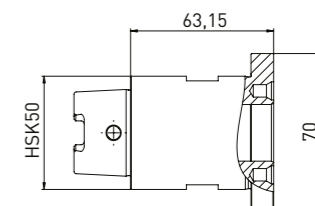
Order No.	Name
350130030	Adapter piece HSK50 on Strausak Fleximat



Order No.	Name
350130031	Adapter piece HSK50 on Strausak Promat



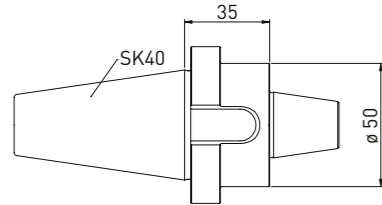
Order No.	Name
350130033	Adapter piece HSK50 on Saacke short taper



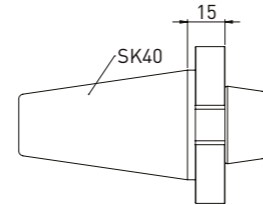
Order No.	Name
350130048	Adapter HSK50 x $\varnothing 25$ on Rollomatic



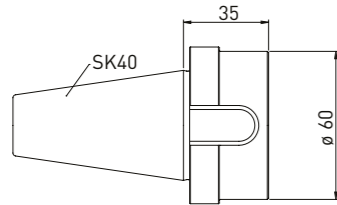
Adapters fine balanced SK40 an SK50 for **tool grinding machines, dressing machines, presetting devices, balancing machines**



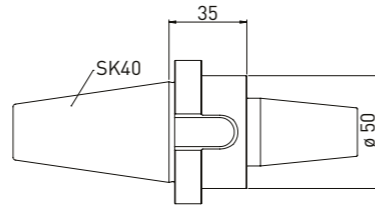
Order No.	Name
350130035	Adapter SK40 on ANCA taper ø30



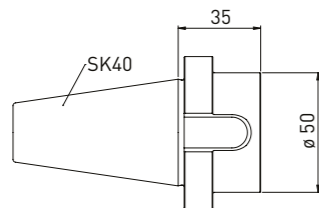
Order No.	Name
350130014	Adapter SK40 on Haas/Walter taper



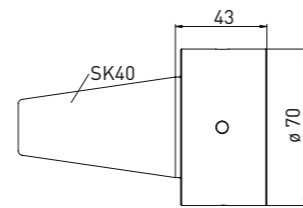
Order No.	Name
350130040	Adapter SK40 on Saacke short taper



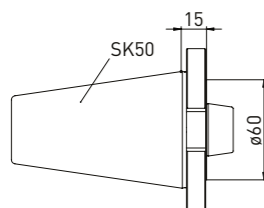
Order No.	Name
350130043	Adapter SK40 on Strausak Fleximat



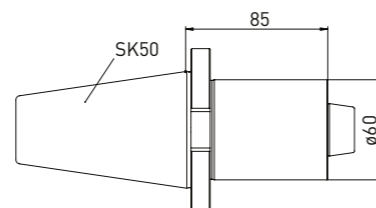
Order No.	Name
350130042	Adapter SK40 on Strausak Promat



Order No.	Name
350130039	Adapter SK40 on Rollomatic ø25

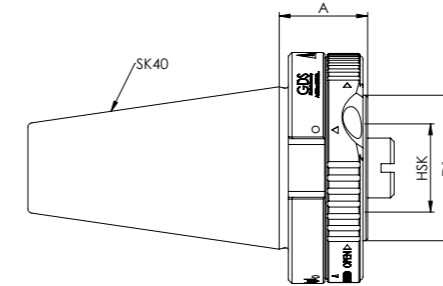


Order No.	Name
350130044	Adapter SK50 on Haas/Walter taper L15



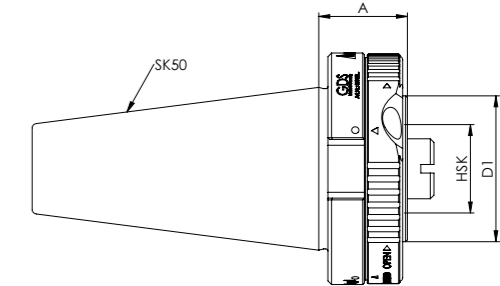
Order No.	Name
350130045	Adapter SK50 on Haas/Walter taper L85

### Adapter SK40 on HSK



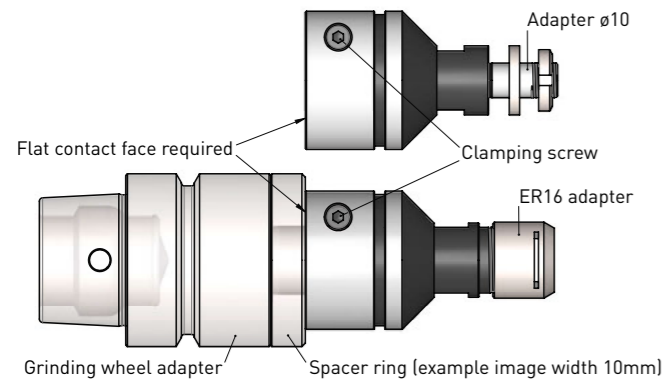
Order No.	A/C/E HSK shape	B/D/F HSK shape	A	D1
350130011	HSK32	HSK40	25	40
350130012	HSK40	HSK50	35	50
350130013	HSK50	HSK63	45	63

### Adapter SK50 on HSK



Order No.	A/C/E HSK shape	B/D/F HSK shape	A	D1
350130001	HSK32	HSK40	30	40
350130002	HSK40	HSK50	33	50
350130003	HSK50	HSK63	45	63

## Adapters for grinding wheel adapters from $\varnothing 20$ to $\varnothing 10$ // and $\varnothing 20$ to ER16 collet chuck



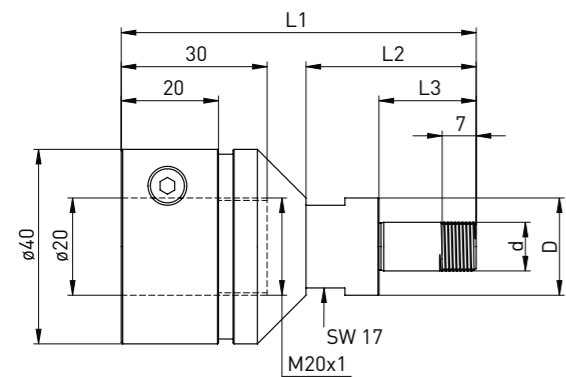
### Assembly example

Twist adapter onto M20 x 1 screw and bring to rear to flat contact face.

If needed, lay spacers down first so that the adapter meets the flat contact face.

Subsequently, tighten using spanner flat and secure with clamping screw.

### Adapter $\varnothing 20$ on $\varnothing 10$



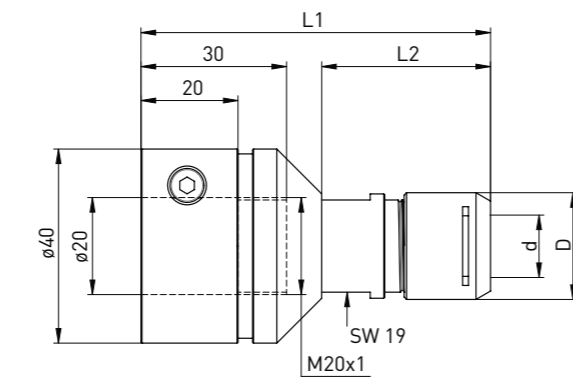
Delivered equipped:  
Clamping nut (350020114), Spacer rings 4pc. (350016004)

Order No.	D	d	L1	L2	L3
350130046	20	10	73	35	20

### Accessories Adapter $\varnothing 20$ on $\varnothing 10$

Order No.	Name - $\varnothing$
350016004	Spacer ring $\varnothing 20$ x $\varnothing 10$ x 3
350020114	clamping nut $\varnothing 18$ x 4 - M10 x 0,75
350040050	Hook wrench 16-20 mm

### Adapter $\varnothing 20$ on ER16

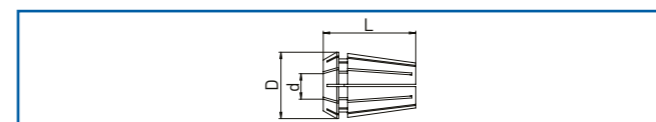


Delivered equipped:  
Mini clamping nut Silent ER16 (350020116)

Order No.	D	d	L1	L2
350130047	22	ER16	73	62

### Accessories Adapter $\varnothing 20$ on ER16

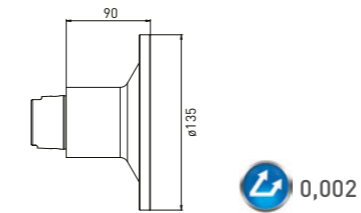
Order No.	Name
350125116	Mini clamping nut SILENT ER16
350126116	Clamping wrench for Mini clamping nut SILENT ER16



Order No.	Name
3501217**	Collet DIN 6499 ER16 ** $\varnothing$ 1-10mm

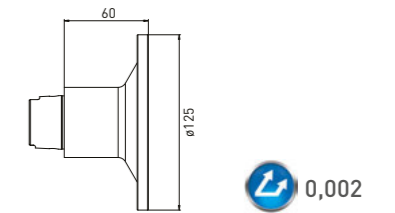
\*\*[Please complete the order number with the two-digit number that defines the diameter!] e.g. for  $\varnothing 1$  -> last digit 01 (350121701) for  $\varnothing 10$  last digit ->10 (350121710)

### HSK50 Test and angle dial



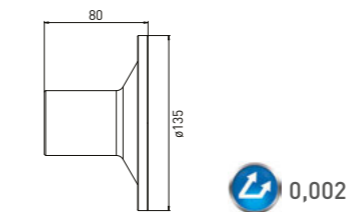
Order No.	Name
350090010	Test and angle dial HSK50

### HSK40 Test and angle dial



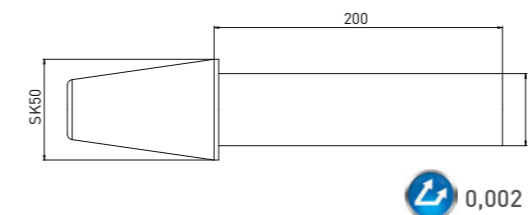
Order No.	Name
350090020	Test and angle dial HSK40

### Test and angle dial



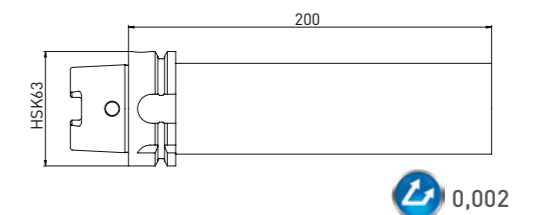
Order No.	Name
350090030	Angle dial Haas/Walter taper 31.75

### SK Test mandrel



Order No.	Name
350090040	Test mandrel SK50 x $\varnothing 50$ x 200

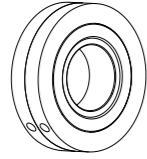
### HSK Test mandrel



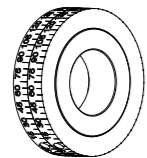
Order No.	Name
350090050	Test mandrel HSK63 x $\varnothing 50$ x 200



## For balancing machine:

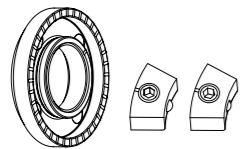


Order No.	Name
350080120	Balancing ring without scale 3-part 80gmm $\varnothing 60 \times \varnothing 20 \times 12$
350080130	Balancing ring without scale 3-part 80gmm $\varnothing 45 \times \varnothing 20 \times 12$



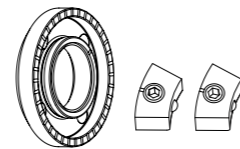
Order No.	Name
350080100	Balancing ring with scale 3-part 80gmm $\varnothing 60 \times \varnothing 20 \times 12$
350080110	Balancing ring with scale 3-part 80gmm $\varnothing 45 \times \varnothing 20 \times 12$

## For grinding wheel adapters:



Order No.	Name
350020080	Clamping nut with balancing option $\varnothing 35 \times \varnothing 40 \times 8 \times M20 \times 1$ (without weights)
350020081	Balancing weight pair for clamping nut $\varnothing 35$ 40gmm
350040040	Clamping nut wrench PC29 for $\varnothing 20$

Order No.	Name
350020026	Clamping nut with balancing option $\varnothing 47 \times 12 M31,5 \times 1,5$ (without weights)
350020027	Balancing weight pair for clamping nut $\varnothing 47$ 70gmm
350040030	Clamping nut wrench PC39 for $\varnothing 47$

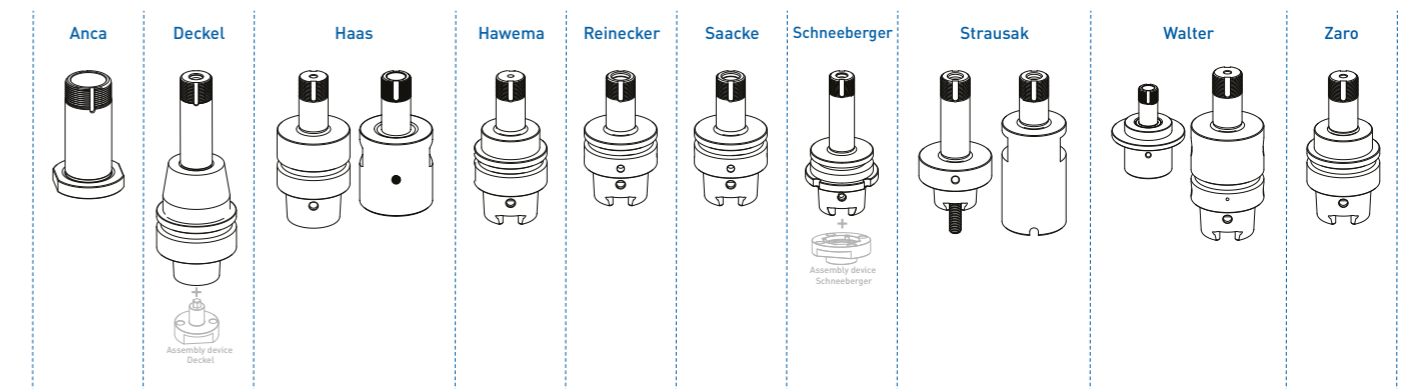


Order No.	Name
350020020	Clamping nut with balancing option $\varnothing 50 \times 8,5 M20 \times 1,0$ (without weights)
350020021	Balancing weight pair for clamping nut $\varnothing 50$ 100gmm
350040010	Clamping nut wrench PC 27 for $\varnothing 20$

Order No.	Name
350020022	Clamping nut with balancing option $\varnothing 60 \times 9 M32 \times 1,5$ (without weights)
350020023	Balancing weight pair for clamping nut $\varnothing 60$ 200gmm
350040030	Clamping nut wrench PC39 for $\varnothing 47$

Accessories for our grinding wheel adapters are to be found on each product page.

Universal assembly device  $\varnothing 50$  fits a multitude of grinding wheel adapters.



Clamping nut wrenches in various pitch circles.



Clamping nuts with balancing option and suitable balancing weights.



You can find the right grinding wheel for your grinding wheel

COMPLETE CATALOGUE  
DIAMOND AND CBN TOOLS

## Grinding wheel adapters, Installation diagram

Company:	Customer number:	Your enquiry number:
----------	------------------	----------------------

Please outline the arrangement of the clamping nut, grinding wheel(s), distance rings and, if necessary, reducing wheel(s).

Enter the X number(s) of our grinding wheel(s) and define the width and height of the distance rings.

**FOR EXAMPLE:**

1. Please always note the underhang or overhang for the calculation of the entire structure from +1 mm to -3 mm!
2. The locking plate must always be calculated with a width of 2 mm and be available.
3. The reduction ring allows a taper from DM 50 to DM 35 if required.

SM1: Clamping nut without balancing option  
 SM2: Clamping nut with balancing option  
 DR: Distance ring in the widths 4, 10, 20 mm and the diameters 35, 50 mm  
 RR: Reduction ring for tapering the dome from 50 mm to 35 mm  
 X1815: XNR. Your Dr. Müller Diamantmetall AG grinding wheel

Date:	Creator:	Signature:
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Please enclose our assembly drawing with your order.  
You will find this for download at [www.diamantmetall.com](http://www.diamantmetall.com)



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