

# Grinding wheel adapters

and  
Accessories



good better BLUE

20 YEARS  
since 1998 GDS



## Grinding wheel adapter and accessories

Precision grinding requires an optimal spindle and a flawless grinding wheel, both of which depend on a perfect grinding wheel adapter.

# "Our quality for your success"

We adapt to your requirements and guarantee our quality.

**GDS** - the precision makers



Our grinding wheel adapters are characterised by the following:



Maximum taper accuracy by using constantly controlled and calibrated measuring equipment.



Absolute accuracy of fit and optimum radial and axial run-out.



Extreme load-bearing capacity due to the use of tempered material and the best heat treating processes.



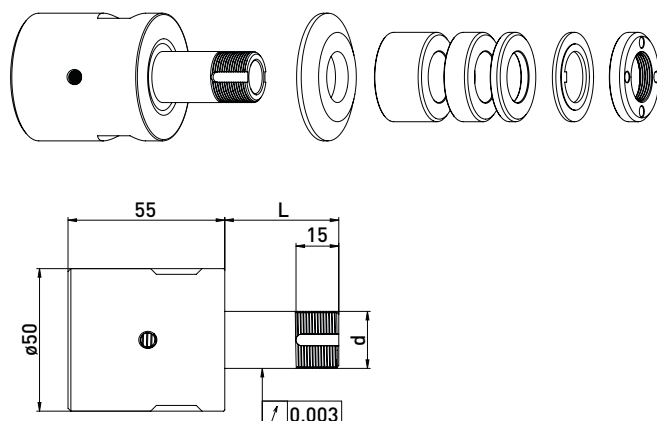
Optimum surface quality and associated long-term dimensional stability and precision, as well as spindle protection as a result of finished surfaces.



Balanced models for improved grinding results and spindle life.

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

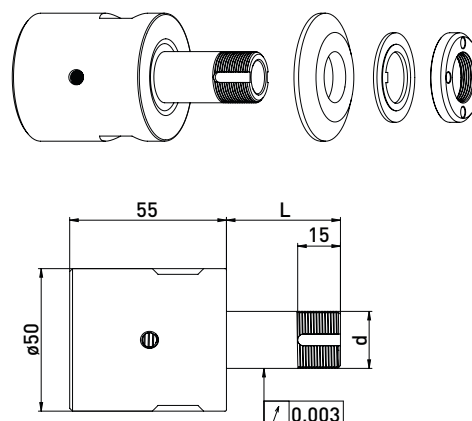


Delivered equipped:

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

| Order No. | Internal taper | d  | L   | Ring set $\varnothing 35$ mm |      |     |
|-----------|----------------|----|-----|------------------------------|------|-----|
|           |                |    |     | B 20                         | B 10 | B 4 |
| 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 |

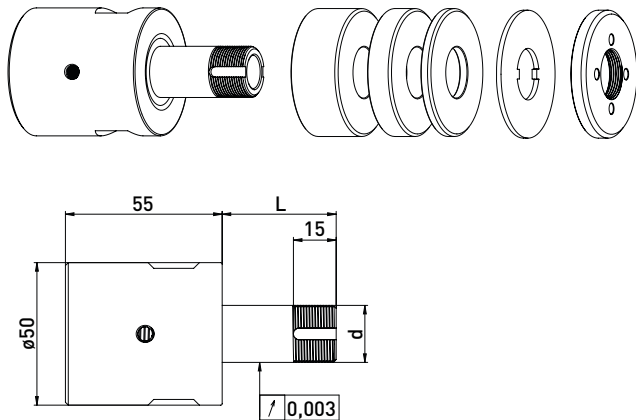
## Accessories Haas grinding wheel adapter Internal taper $\varnothing 31,75$ mm (1¼) // Shaft $\varnothing 20$ mm // Ring set 35 mm

| 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 | *Spannmutterschlüssel TK29 für $\varnothing 20$                                      |  |
| 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                 |  |

For Haas tool grinding machines with ring set ø50 mm

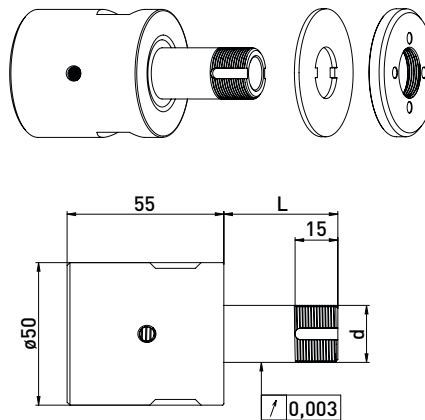
## GWA Internal taper ø31,75 mm (1¼) // ø20 mm // RS ø50 mm



Delivered equipped:  
Installation kit, ring set ø50 mm, lock washer and clamping nut

| Order No. | Internal taper | d  | L   | Ring set ø50 mm |      |     |
|-----------|----------------|----|-----|-----------------|------|-----|
|           |                |    |     | B 20            | B 10 | B 4 |
| 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 ø31,75 mm (1¼) // ø20 mm // ø20 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 ø31,75 mm (1¼) // Shaft ø20 mm // Ring set 35 mm

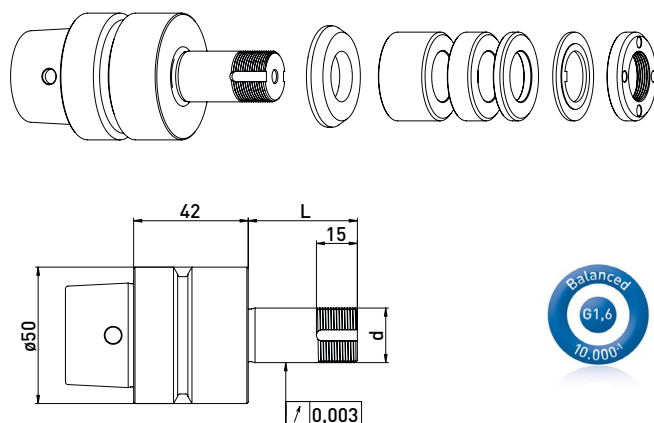
| Order No. | Name                                                  |  |
|-----------|-------------------------------------------------------|--|
| 350050010 | Universal assembly device ø50                         |  |
| 350040010 | Clamping nut wrench PC27 for ø20                      |  |
| 350040011 | Clamping nut wrench PC27 for ø20                      |  |
| 350020021 | *Balancing weight pair for clamping nut ø50 // 100gmm |  |
| 300101002 | Installation kit NCT63 Haas                           |  |
| 300101003 | Assembly wrench for Installation kit NCT63 M20 x 1,5  |  |

| Order No. | Name                                                         |  |
|-----------|--------------------------------------------------------------|--|
| 350011020 | Spacer ring ø50 x ø20 x 20                                   |  |
| 350011010 | Spacer ring ø50 x ø20 x 10                                   |  |
| 350011004 | Spacer ring ø50 x ø20 x 4                                    |  |
| 350030010 | Lock washer ø50 x ø20 x 2                                    |  |
| 350020020 | *Clamping nut with balancing option ø50 x 8,5 M20 x 1,0 PC27 |  |
| 350015003 | Support washer ø50 x ø75 x ø20 x 6                           |  |
| 350020060 | Clamping nut ø50 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

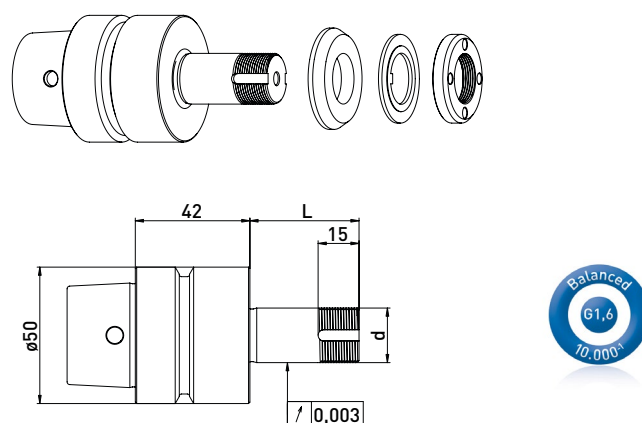


Delivered equipped:  
rReducing washer, ring set  $\varnothing 35$  mm, lock washer and clamping nut

Ring set  $\varnothing 35$  mm

| Order No. | HSK     | d  | L   | B 20 | B 10 | B 4 |
|-----------|---------|----|-----|------|------|-----|
| 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 | *Spannmutterschlüssel TK29 für $\varnothing 20$                                      |  |
| 350020081 | *Balancing weight pair for clamping nut $\varnothing 35$ // 40gmm                    |  |

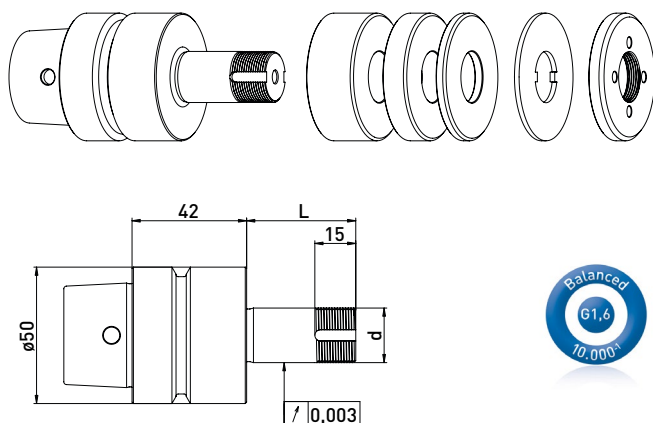
| Order No. | Name                                                                                                    |  |
|-----------|---------------------------------------------------------------------------------------------------------|--|
| 350012020 | Spacer ring $\varnothing 35 \times \varnothing 20 \times 20$                                            |  |
| 350012010 | Spacer ring $\varnothing 35 \times \varnothing 20 \times 10$                                            |  |
| 350012004 | Spacer ring $\varnothing 35 \times \varnothing 20 \times 4$                                             |  |
| 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

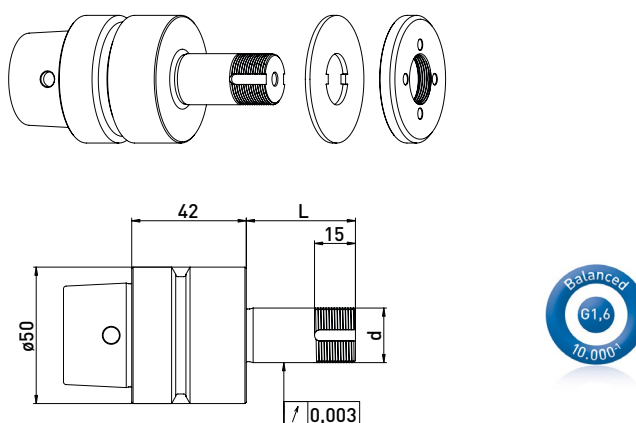
## GWA HSK-E50 // $\varnothing 20$ mm // RS $\varnothing 50$ mm



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

| Order No. | HSK     | d  | L   | Ring set $\varnothing 50$ mm |      |     |
|-----------|---------|----|-----|------------------------------|------|-----|
|           |         |    |     | B 20                         | B 10 | B 4 |
| 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 |  |

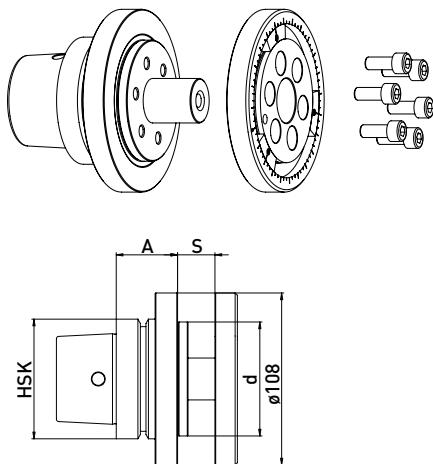
| Order No. | Name                                                                      |  |
|-----------|---------------------------------------------------------------------------|--|
| 350011020 | Spacer ring $\varnothing 50$ x $\varnothing 20$ x 20                      |  |
| 350011010 | Spacer ring $\varnothing 50$ 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 |  |

\*related items

# Haas HSK-E50 and HSK-E80

For Haas tool grinding machines

## GWA HSKE-50 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

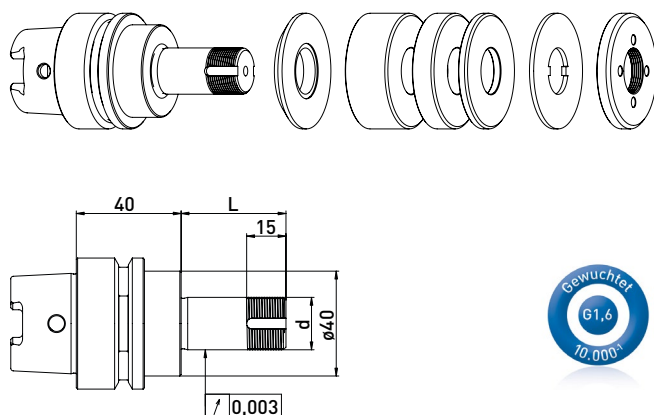
| Order No. | Name                                                              |
|-----------|-------------------------------------------------------------------|
| 250001059 | Balancing weight $\varnothing 100 \times \varnothing 80 \times 7$ |



# Haas HSK-C50 // Shaft $\varnothing 31.75$ mm // RS $\varnothing 60$ mm

For Haas Multigrind CU tool grinding machines with ring set  $\varnothing 60$  mm

## GWA HSK50 // $\varnothing 31.75$ mm // RS $\varnothing 60$ mm



Delivered equipped:

Reducing washer, ring set  $\varnothing 60$  mm, lock washer and clamping nut

| Order No. | HSK   | d  | L   | Ring set $\varnothing 60$ mm |      |     |
|-----------|-------|----|-----|------------------------------|------|-----|
|           |       |    |     | B 20                         | B 10 | B 4 |
| 300012112 | HSK50 | 20 | 40  | -                            | 1    | 3   |
| 300012122 | HSK50 | 20 | 60  | 1                            | 1    | 3   |
| 300012132 | HSK50 | 20 | 75  | 1                            | 2    | 4   |
| 300012142 | HSK50 | 20 | 85  | 2                            | 1    | 4   |
| 300012152 | HSK50 | 20 | 100 | 2                            | 3    | 3   |

## Accessories Haas grinding wheel adapter HSK50 // $\varnothing 31.75$ mm // Ring set $\varnothing 60$ 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 |  |

| 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 |  |

\*related items





μGrind HPS 20 // HPS 20L



μGrind Nann 3409E



μGrind HSK



μGrind Hydro



Our Clamping and balancing technology catalogue contains all our quick-acting chucks.

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