

μGrind HPS 20 und HPS 20L



good better BLUE

GDS[®]
Made in Germany

The μ Grind HPS 20 **automatic chuck** can be setup to virtually eliminate runout in just a few minutes, using two simple gauges.



We developed the μ Grind in close cooperation with leading tool grinding professionals specifically to achieve high precision clamping in that field.

The chuck uses specialized shallow taper (1°) collets for outstanding clamping force. Plus the collets can be changed in seconds without any tools or readjustment, enabling quick diameter changes.

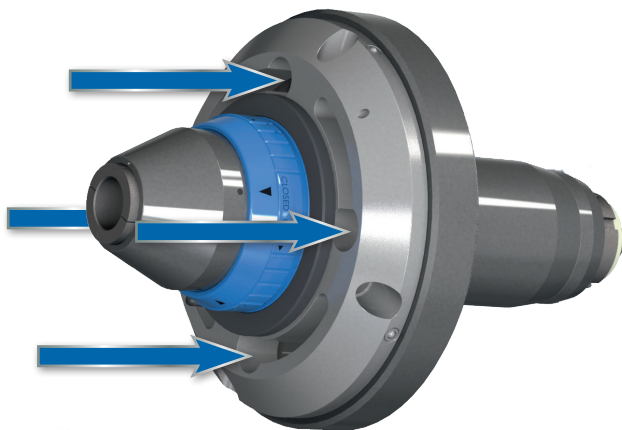
The chuck is “self-clamping,” (it clamps the tool without external force and releases upon activation of a pneumatic push rod). A spring-like mechanism applies a constant pull on the collet to clamp the tool. Because that linkage is not rigid, the collet (and therefore the tool blank) cannot be pulled crooked.

Setup requires just a few minutes and neither special skills nor tools. Even weeble-wobble can be virtually eliminated just by adjusting screws.

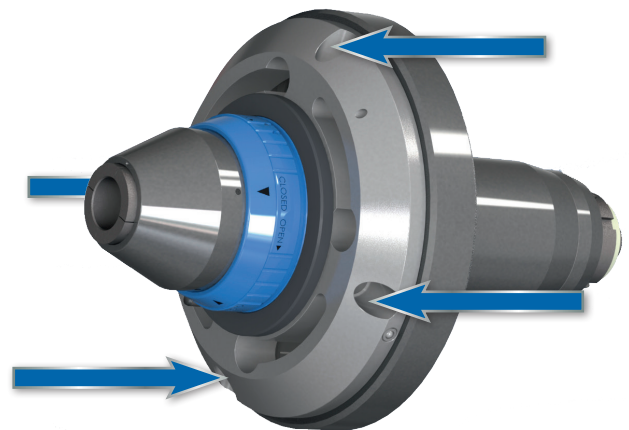
Adjust **concentricity** // Eliminate **runout**

The μ Grind gives you the ability to quickly and easily adjust axial runout and “weeble-wobble” yielding a **new dimension in grinding precision**.

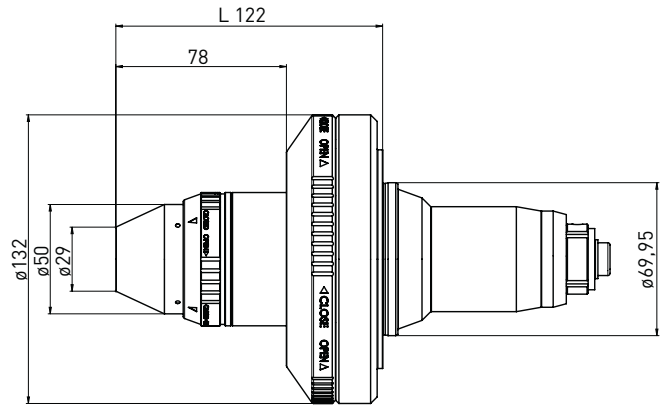
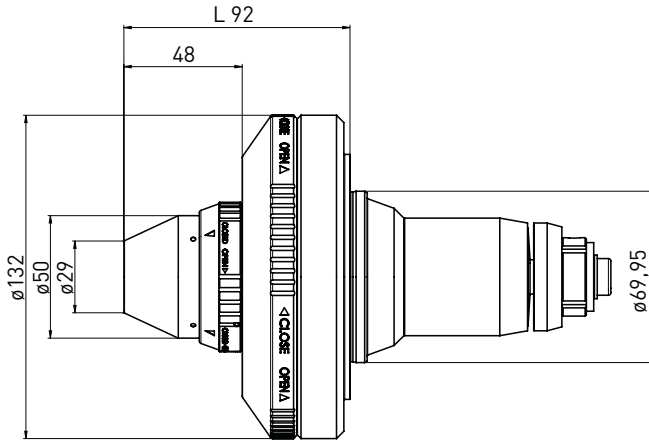
Setup - **Concentric with the machine**



Setup - **Parallel with the machine**



μ Grind HPS20 / HPS20L



Delivery includes:

Case, actuating pushrod, plastic tipped hammer, wrench, USB stick with instructions

Item No.	Name	D(mm)	L
400001000	μ Grind HPS 20	69,95	92
400001001	μ Grind HPS 20L	69,95	122

Available for the following machines:



- Helitronic Mini Power (excluding Mini Automation)
- Helitronic Power
- Helitronic Vision
- Helitronic Essential
- Measuring machine: Helicheck



Lets you adjust both runout and weeble-wobble to within two microns at 2½ x D without special tools or skill

Handles shanks from 3 to 20 mm (1/8 to 3/4 inches)

Lets you change diameters in seconds and maintains its precision without adjustment

Performs like this over tens of thousands of clampings

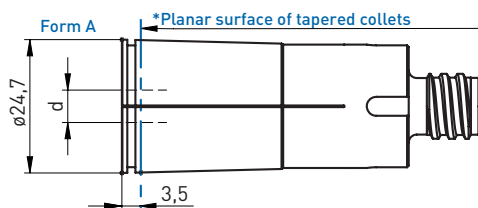
Requires a relatively short clamping length on the blank to achieve constant holding force and concentricity

Features a tapered profile and smaller nose diameter than hydraulic holders for better wheel clearance and freedom from interference

Offers excellent dampening properties for uniform material removal, optimized feed rates, excellent surface finish, and significantly reduced grinding wheel wear

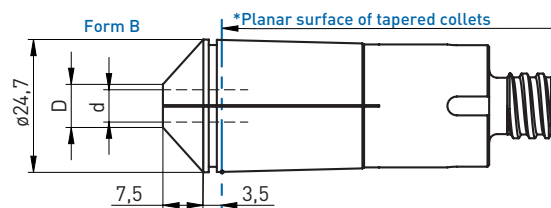
Suitable for both high production and regrounding

Accessories flat clamping sleeves:

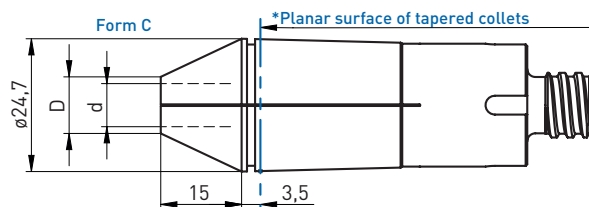


Item No.	Name - \varnothing d	Form
350260003	HPS Clamping sleeve 20 - \varnothing 3 mm	A
350260004	HPS Clamping sleeve 20 - \varnothing 4 mm	A
350260005	HPS Clamping sleeve 20 - \varnothing 5 mm	A
350260006	HPS Clamping sleeve 20 - \varnothing 6 mm	A
350260007	HPS Clamping sleeve 20 - \varnothing 7 mm	A
350260008	HPS Clamping sleeve 20 - \varnothing 8 mm	A
350260009	HPS Clamping sleeve 20 - \varnothing 9 mm	A
350260010	HPS Clamping sleeve 20 - \varnothing 10 mm	A
350260011	HPS Clamping sleeve 20 - \varnothing 11 mm	A
350260012	HPS Clamping sleeve 20 - \varnothing 12 mm	A
350260013	HPS Clamping sleeve 20 - \varnothing 13 mm	A
350260014	HPS Clamping sleeve 20 - \varnothing 14 mm	A
350260015	HPS Clamping sleeve 20 - \varnothing 15 mm	A
350260016	HPS Clamping sleeve 20 - \varnothing 16 mm	A
350260017	HPS Clamping sleeve 20 - \varnothing 17 mm	A
350260018	HPS Clamping sleeve 20 - \varnothing 18 mm	A
350260019	HPS Clamping sleeve 20 - \varnothing 19 mm	A
350260020	HPS Clamping sleeve 20 - \varnothing 20 mm	A
350260201	HPS Clamping sleeve 20 - \varnothing 1/8"	A
350260202	HPS Clamping sleeve 20 - \varnothing 3/16"	A
350260203	HPS Clamping sleeve 20 - \varnothing 1/4"	A
350260204	HPS Clamping sleeve 20 - \varnothing 5/16"	A
350260205	HPS Clamping sleeve 20 - \varnothing 3/8"	A
350260206	HPS Clamping sleeve 20 - \varnothing 7/16"	A
350260207	HPS Clamping sleeve 20 - \varnothing 1/2"	A
350260208	HPS Clamping sleeve 20 - \varnothing 9/16"	A
350260209	HPS Clamping sleeve 20 - \varnothing 5/8"	A
350260210	HPS Clamping sleeve 20 - \varnothing 11/16"	A
350260211	HPS Clamping sleeve 20 - \varnothing 3/4"	A

Accessories tapered clamping sleeves:



Item No.	Name - \varnothing d	Form
350260130	HPS Clamping sleeve 20K - \varnothing 2,35 mm	B
350260103	HPS Clamping sleeve 20K - \varnothing 3 mm	B
350260104	HPS Clamping sleeve 20K - \varnothing 4 mm	B
350260105	HPS Clamping sleeve 20K - \varnothing 5 mm	B
350260106	HPS Clamping sleeve 20K - \varnothing 6 mm	B
350260301	HPS Clamping sleeve 20K - \varnothing 1/8"	B
350260302	HPS Clamping sleeve 20K - \varnothing 3/16"	B
350260303	HPS Clamping sleeve 20K - \varnothing 1/4"	B



Item No.	Name - \varnothing d	Form
350260107	HPS Clamping sleeve 20K - \varnothing 7 mm	C
350260108	HPS Clamping sleeve 20K - \varnothing 8 mm	C
350260109	HPS Clamping sleeve 20K - \varnothing 9 mm	C
350260110	HPS Clamping sleeve 20K - \varnothing 10 mm	C
350260111	HPS Clamping sleeve 20K - \varnothing 11 mm	C
350260112	HPS Clamping sleeve 20K - \varnothing 12 mm	C
350260304	HPS Clamping sleeve 20K - \varnothing 5/16"	C
350260305	HPS Clamping sleeve 20K - \varnothing 3/8"	C
350260306	HPS Clamping sleeve 20K - \varnothing 7/16"	C
350260307	HPS Clamping sleeve 20K - \varnothing 1/2"	C



Minimum clamping depth of 2,5 x \varnothing from *clamping chuck's plane surface.



GDS local distributors in Europe

Our qualified partners **take care of you**, where we can't be in person, providing optimal support and answers to your questions.

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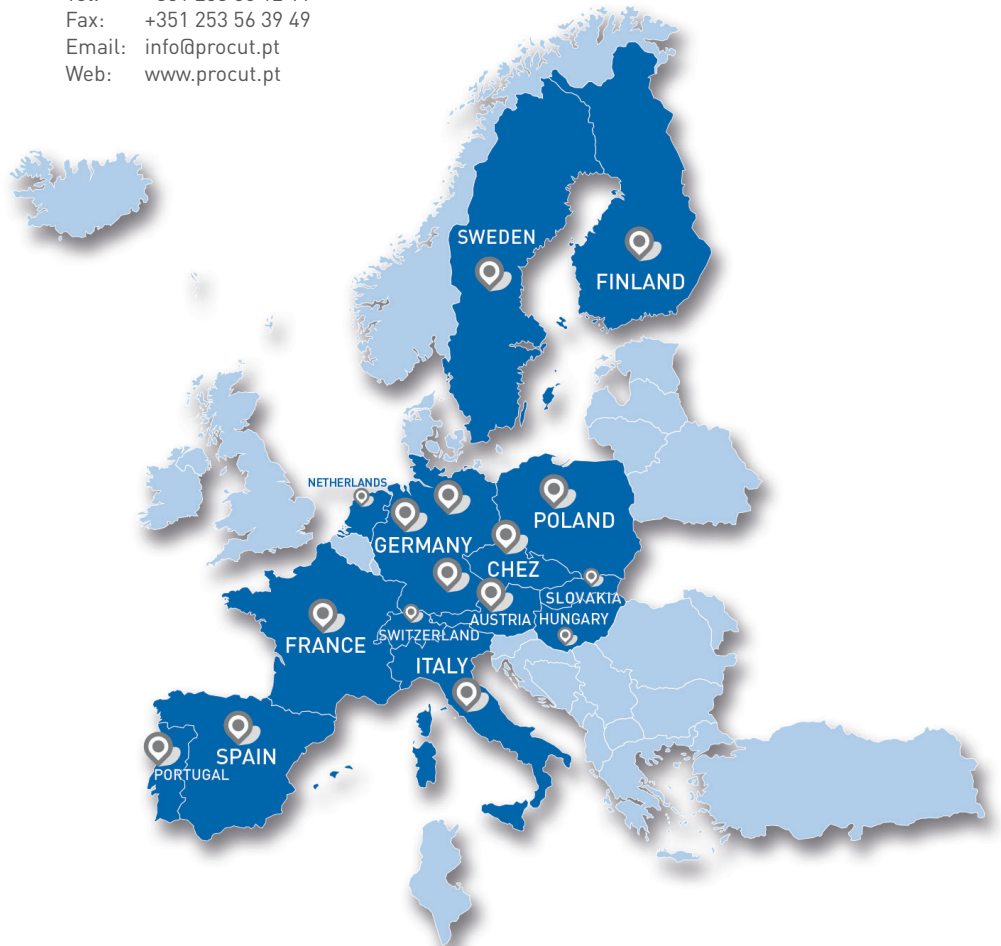
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