



GDS μ GRIND

ANCA COLLET ADAPTOR – CONSISTENT PERFORMANCE AND HIGHEST-LEVEL ACCURACY

The new GDS μ Grind ANCA collet adaptor is designed with the highest level of consistent accuracy and improved productivity in mind. Once set up, the adaptor will maintain the highest accuracy even with frequent diameter change. The GDS μ Grind system offers low and consistent runout below 0.002mm (at 2.5 x d) which provides substantial time savings and quality assurance.

GDS[®]
Made in Germany

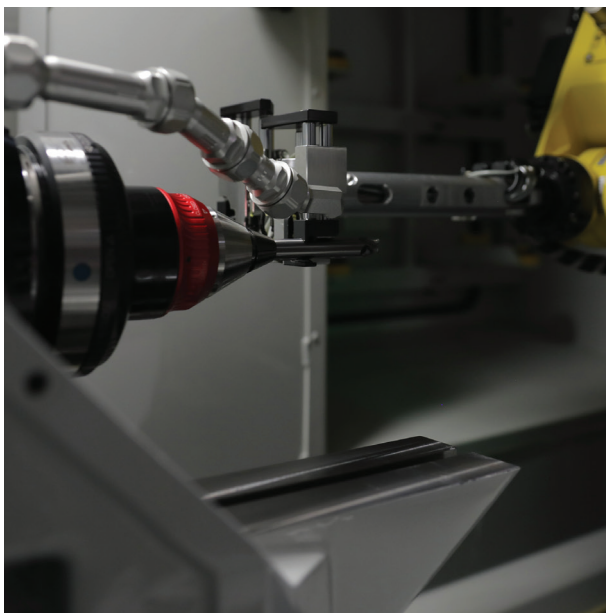
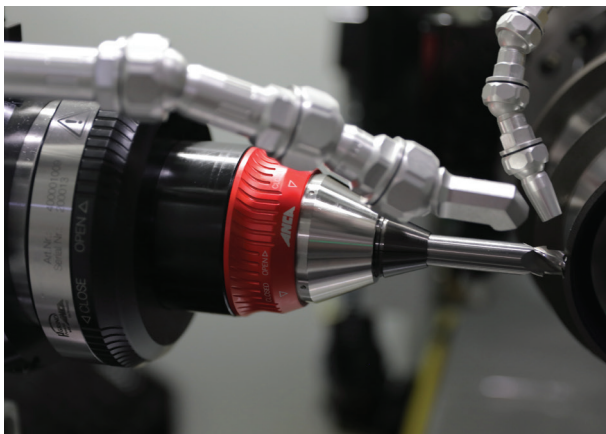
ANCA
CNC MACHINES

GDS μ GRIND

Consistent performance and highest-level accuracy.

FAST AND EASY SETUP – MAXIMISED CLAMPING FORCE

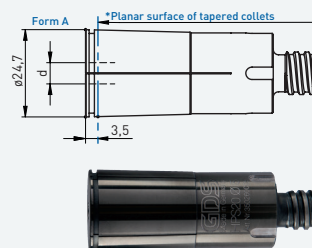
The adaptors use specialised shallow taper (1°) collets to maximise clamping force. Collets can be changed in seconds without any tools or readjustment, enabling quick tool diameter change. The adaptor is “self-clamping,” thanks to an internal spring mechanism applying a constant pull force on the collet to securely clamp the tool. Initial setup requires just a few minutes and neither special skills nor tools. Both radial and axial runout (wobble) can be easily adjusted during setup.



RANGE OF DEDICATED COLLETS IN THREE FORM FACTORS

- GDS μ Grind ANCA collets cover a wide variety of diameters and form factors to accommodate most applications
- Perfect fit and optimum radial and axial runout
- Rugged construction thanks to use of tempered materials and best in class heating treatment

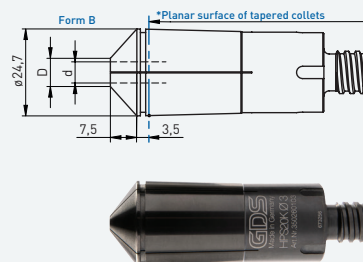
Form A



Available tool diameter

3mm – 20mm in 1mm increments and 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

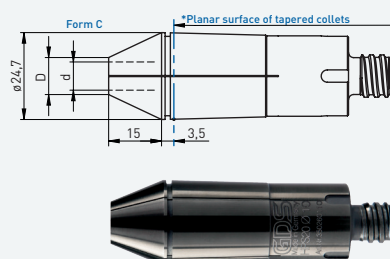
Form B



Available tool diameter

2.35mm and 3mm – 6mm in 1mm increments and 1/8", 3/16", 1/4"

Form C



Available tool diameter

7mm – 12mm in 1mm increments and 5/16", 3/8", 7/16", 1/2"

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HIGHEST QUALITY MATERIALS - INVESTMENT FOR YEARS

GDS μ Grind ANCA collet adaptor is manufactured with longevity in mind. It will provide consistent performance in years to come. It's delivered in a sturdy, industrial strength case for easy and safe storage.



COMPATIBILITY

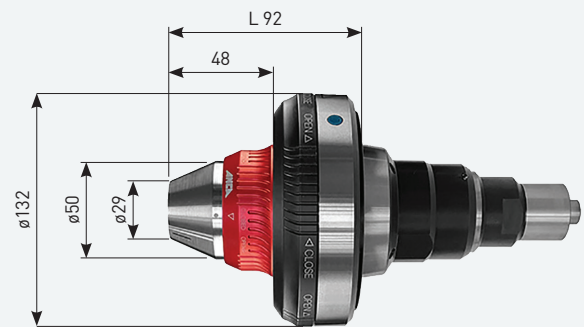
GDS μ Grind ANCA collet adaptor is compatible with FX, MX and TX machine platforms as well as robot loaders. Note that a dedicated headstock push drawbar is required.



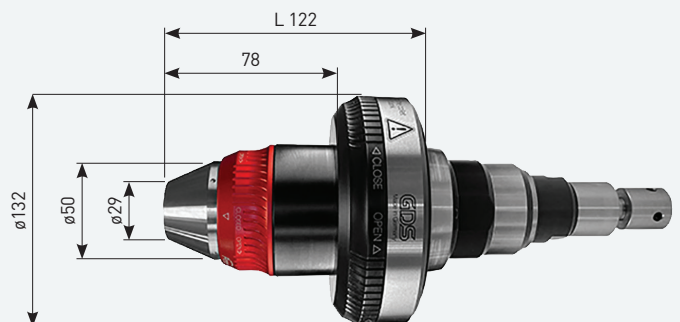
TWO VARIANTS TO SUIT YOUR APPLICATION

GDS μ Grind ANCA collet adaptor comes in two variants: standard and "long nose".

Standard



Long Nose

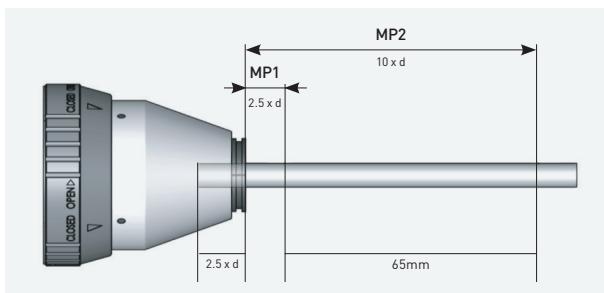


GDS μ GRIND

Consistent performance and highest-level accuracy.

TEST RESULTS

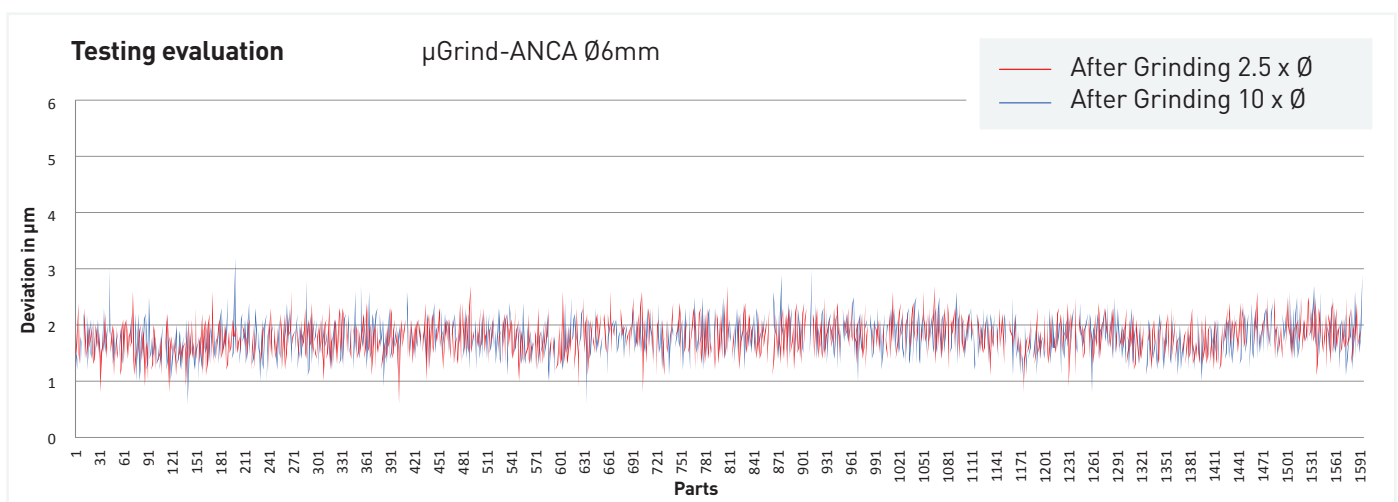
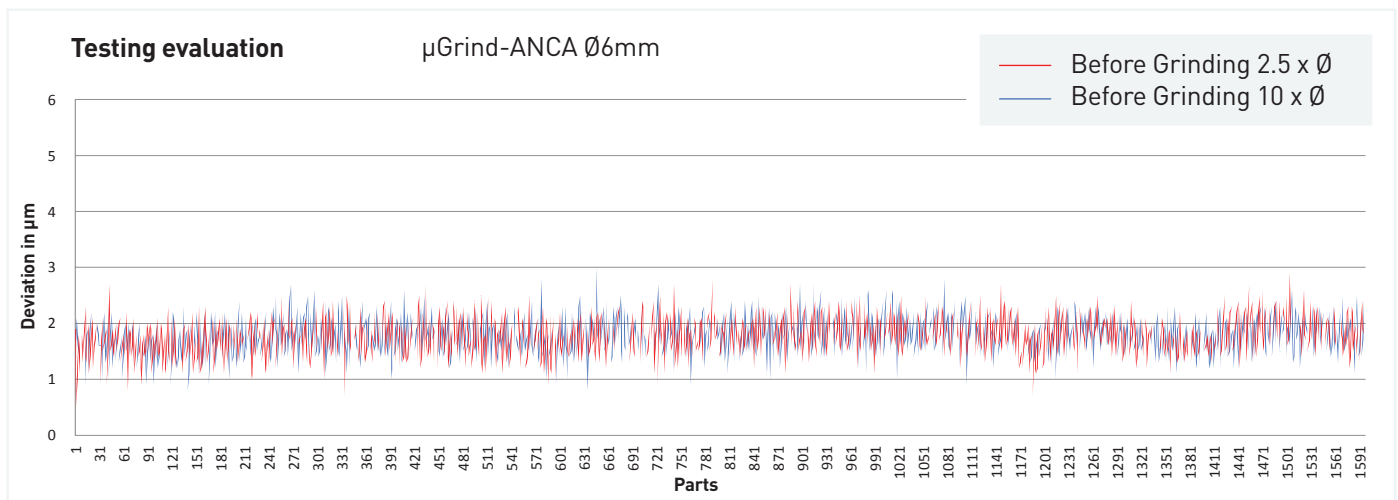
Grinding a batch of 1,600 6mm tools using GDS μ Grind.



Testing setup



6mm tool ground during the test 100mm long



GDS μ GRIND

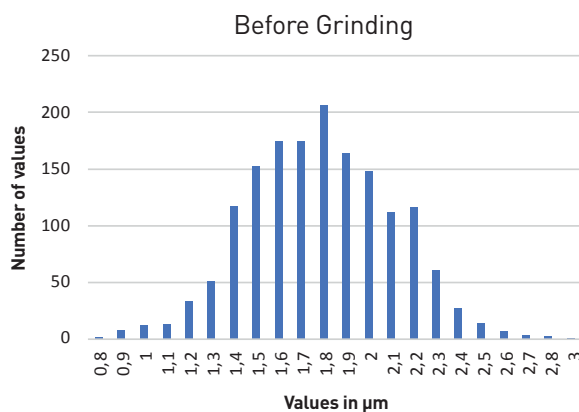
Consistent performance and highest-level accuracy.

CONSISTENT AND LOW RUNOUT UNDER 2 μ m OVER LARGE BATCHES

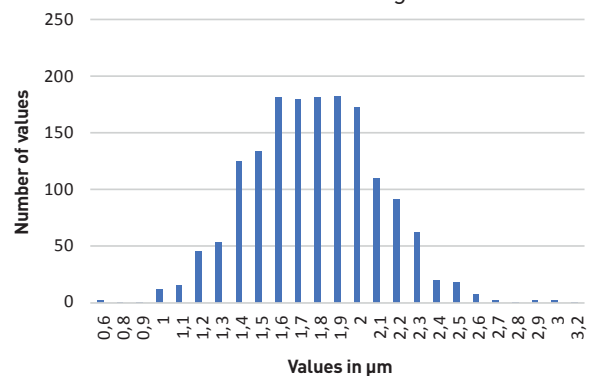
GDS μ -Grind ANCA collet adaptor provides exceptional low and consistent runout.



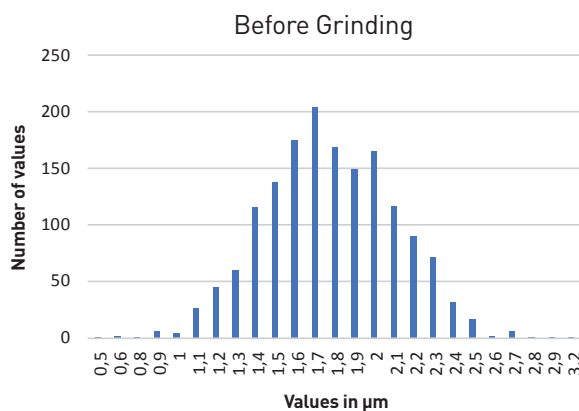
10 x Ø



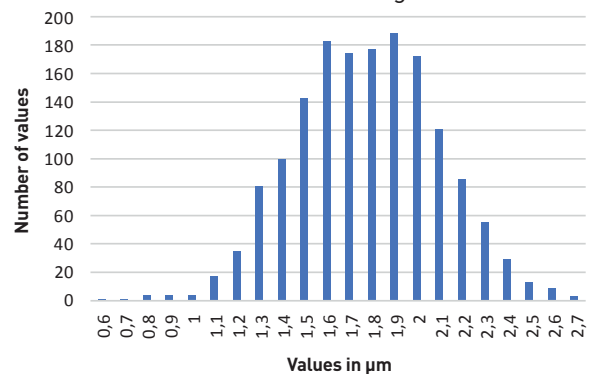
After Grinding



2.5 x Ø



After Grinding



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