

SHARK THE WINNER OF THE



GrindTec

INNOVATION AWARD 2022 by fdpw.de

SHARK

5-Jaw Chuck



grinding deserves **SOLUTIONS**

GDS
Made in Germany

SHARK - the 5-Jaw Chuck in high-precision GDS quality!



The modern grinding process is becoming increasingly complex: extreme accuracy, perfect quality and reduction of set-up times under enormous price pressure. To meet these requirements, GDS has developed the SHARK multi-range clamping system.

Specially designed for use in changing clamping ranges, it enables you to directly clamp your workpieces fully automatically, in the diameter range from 3 mm to 20 mm. You need neither collets nor intermediate sleeves and can also clamp special diameters and intermediate dimensions without further ado and with process reliability. Your set-up time is reduced to a minimum and you achieve a set-up cost saving of up to 70 % compared to regular clamping devices.

The SHARK is just as suitable for manufacturing new tools as it is for resharpening.

SHARK - versatile, flexible and highly accurate.

Your **flexible solution** in the clamping range 3-20 mm.



Your advantages:

Flexible clamping range Ø 3 mm - 20 mm

No auxiliary tools required

Highest precision ≤ 0.005 mm

Concentricity can be precisely aligned

Cost reduction due to time savings

The **SHARK 5-Jaw Chuck** can be used in all common **machines**

Available for following machines:

ANCA
Walter



Also available for these machines **on request:**

ISOG
JOERG S-techplus
Reinecker
Saacke
Schütte
Star
TGT
Vollmer

High compatibility with all common machine manufacturers

The SHARK multi-range clamping system is available for all common machine interfaces by means of an adapter flange. Our trained service personnel will be happy to help you determine the right version for your machine. Let us advise you and find the best solution for your work process.



Best results - even under the most difficult conditions

With the SHARK, the clamping jaws are in the same axial position at all times. Due to the uniquely newly developed solid jaw guide, the wobble can be reduced to a minimum. Together with the high concentricity and repeatability, as well as low interfering contours, you achieve process reliability and best results even with difficult processes. During operation, the chuck is cleaned with active sealing air. This prevents contamination and maintains absolute precision over the long term.



Technical data:

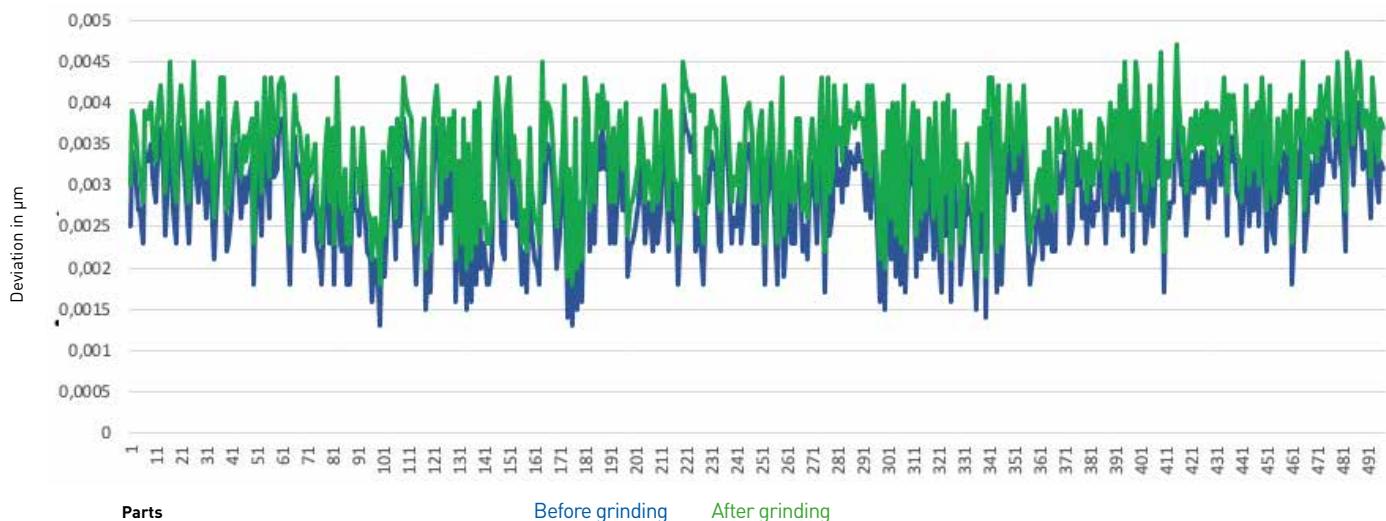
Number of slats	max. Clamping depth (mm)	min. Clamping depth (mm)	Clamping range (mm)	Clamping force max. (kN)	Pressure (MPa)	Weight (kg)	Speed max. (1/min)	Ø outside (mm)	Chuck length (mm)
5	100	2,5 x D	3-20 mm	9,6	min. 6 bar	6,7	1200	148	122,5



The **SHARK 5-Jaw Chuck** is designed exclusively for **automatic operation**.



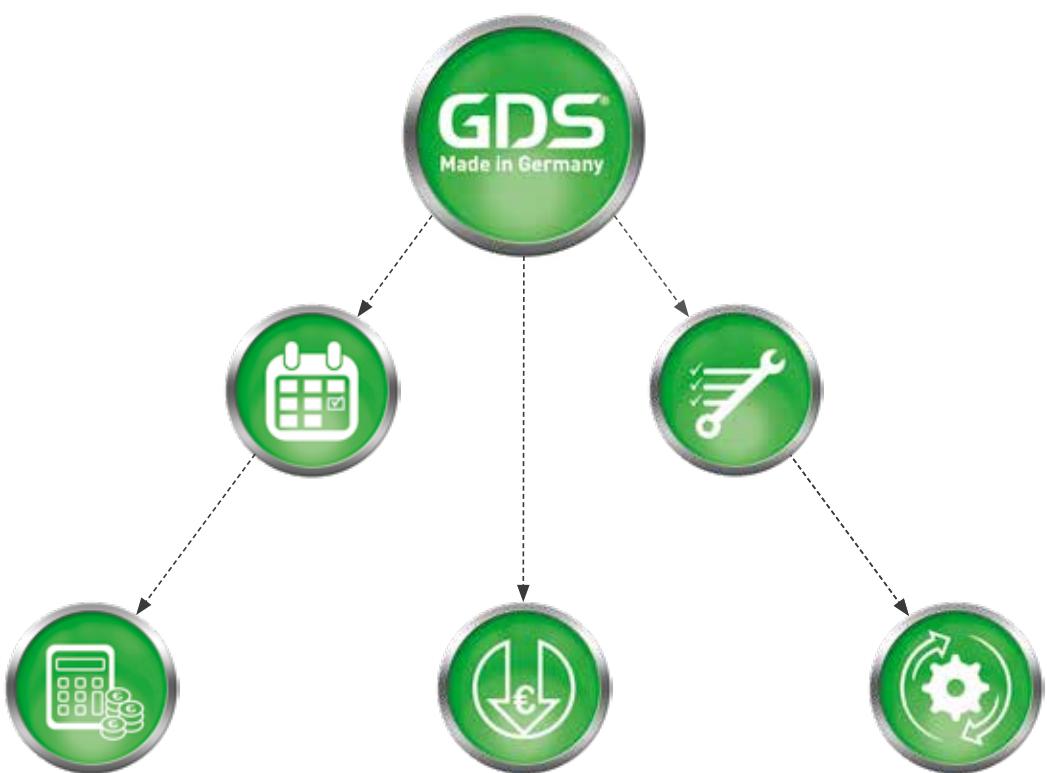
Test evaluation SHARK 5-Jaw Chuck



- Actuation by means of power cylinder
- Active sealing air protects against contamination



REVOLUTION IN TOOLGRINDING



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