Customer-specific Chuck Jaws Solutions
50 Years of individualized Clamping Technology with maximum Reliability
SCHUNK Special Chuck Jaws
We produce according to your Requirements.

Customized solutions for an optimal clamping solution.
Benefit from SCHUNK’s know-how as the supplier with the world’s largest chuck jaw program. Whatever the specific requirements of the workpiece you need to clamp, our concepts will give you a clear competitive advantage. You specify your requirements, we develop a solution that is precisely customized to your workpiece and your working processes. You benefit from increased productivity.

The most complicated of clamping problems, solved more than 60,000 times.
Rely on the No. 1 solution. SCHUNK has created more than 60,000 customized chuck jaw solutions for a variety of industries and the most complex requirements.

SCHUNK support, personalized and competent.
We will accompany you from initial talks to delivery of the completed clamping element with competent and fast project planning, including the shortest delivery times and one-of-a-kind value for money.
Special chuck jaws from SCHUNK take all the requirements of a high torque transmission, individual adaption to the workpiece, and the special requirements for serial production into account. They ensure form-fit clamping between raw part and chuck jaw, as well as highest holding forces.

Example 1
Customer requirement: Solution for clamping the workpiece on a 6-jaw chuck from SCHUNK.
SCHUNK Solution: The jaws are axially oscillating, and in case of wear, the used exchangeable UGE 20 clamping inserts can be cost-effectively exchanged. Axial stops have a supporting effect. They are firmly mounted on the chuck. Due to the low-deformation clamping solution, it is possible to manufacture thin-walled workpieces with the required workpiece tolerances of 0.03 mm process-reliably.
Customer benefits: Implementation of an automatic loading and unloading process, significantly reduced defective parts, and reduced test cycles.

Finished parts clamping
Individual clamping concepts for perfect finish.

Workpiece-specific chuck jaws from SCHUNK are adjusted to the individual workpieces on the matching chuck using the optimal amount of pressure. Therefore a damage-free workpiece surface, highest run-out and repeat accuracy, and optimal cutting results can be ensured.

Example 2
Customer requirement: Low-deformation clamping solution for machining the flange and the inner side of a 3-jaw chuck.
SCHUNK Solution: The customer-specific jaws clamp below the flange hub at the ribs of the workpiece. Due to the use of soft clamping inserts, low-deformation clamping is achieved.
Customer benefits: Implementation of an automation concept, reduction of rejects or rework due to deformation.
Low-deformation clamping
As safe as necessary, as gentle as possible

SCHUNK offers an extensive range of solutions for low-deformation workpiece clamping. From a comparatively low-cost implementation with plastic jaws through to complex special pendulum jaws.

Example 3

**Customer requirement:** Solution for clamping a workpiece on a SCHUNK NCO 165 chuck. The workpiece to be clamped has the size of a 1 euro coin and is machined with a side roller tool.

**SCHUNK solution:** Due to the low clamping depth, chuck jaws with an active pull-down function (via pull-down inserts) are used. They provide overall clamping and prevent the workpiece from levering out. The workpiece is pulled against the workpiece bolts, like an axial back stop.

**Customer benefits:** Increased output due to automated loading, unloading, and executing the manufacturing process in a double-spindle machine.

Example 4

**Customer requirement:** Low-deformation clamping of thin-walled, forged rings. Max. permissible roundness error: 0.03 mm

**SCHUNK solution:** Pendulum jaws for 12-point clamping with exchangeable clamping inserts.

**Customer benefits:** A roundness value of 0.01 – 0.02 mm is possible. With 3-point clamping, the roundness value can be 0.8 mm with the same clamping.

Example 5

**Customer requirement:** Low-deformation clamping of thin-walled truck gear housing made of spheroidal graphite casting, clamping diameter 278 mm, wall thickness 7 mm on chuck diameter 500. Max. permissible run-out error: 0.03 mm

**SCHUNK solution:** Pendulum jaws for 24-point clamping, axially and radially oscillating.

**Customer benefits:** The roundness value of 0.03 mm is achieved with a clamping force of about 100 kN.
Superior Clamping and Gripping – It's time to use your machine's full potential!

With superior components, find potentials, where you would never expect to find them. In your machine, SCHUNK Synergy – the perfectly harmonized interplay of clamping technology and gripping systems turns our customers into productivity champions.
The world's largest Range of Standard Chuck Jaws will win you over.

With more than 1200 different types, this is the world’s largest standard program of chuck jaws for any conceivable use on lathe chucks or toolholders. More than 16 million standard chuck jaws have been delivered by SCHUNK since 1966 and are being used all over the world. About 60,000 customized solutions for workpiece clamping round off our product portfolio. See for yourself that we offer the greatest possible reliability, safety, functionality, precision, and individuality.

The new SCHUNK Chuck Jaw App – available any time via mobile phone

Everything under control – the chuck jaw app
With our new app for your smartphone, the complete SCHUNK chuck jaw assortment is always available and easy to order. Downloads at app store and google play.