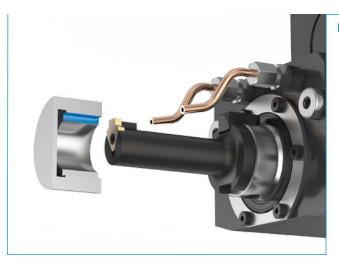
BENZ LINTECSHAPING TECHNOLOGY

▶ INTERNAL AND EXTERNAL PROCESSING



Internal machining

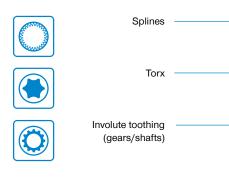
Internal machining of a workpiece with a broaching unit.



External machining

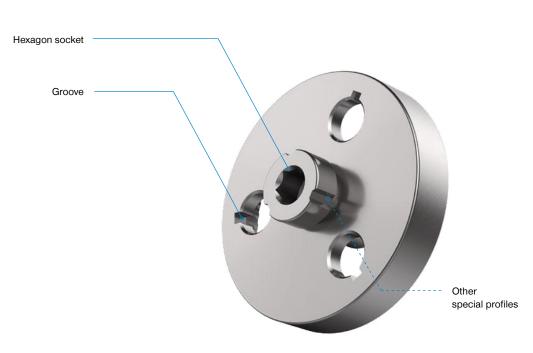
External machining of a workpiece with a broaching unit.

► PROCESSING TYPES





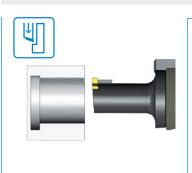






BENZ LINTEC SHAPING TECHNOLOGY

► THE PRINCIPLE BEHIND THE SHAPING/BROACHING PROCESS



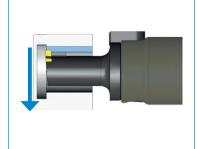
Moving to the start position

Move with the cutter in the X-axis and Z-axis at the desired starting dimension.



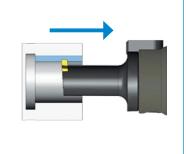
Cutting movement

The cutter pushes forward into the workpiece and begins cutting.



Integrated lift-off function

The broaching unit lifts up after the shaping process. It features an integrated lift-off device.



Return stroke as idle stroke

The non-contact return motion during the idle stroke prevents wear and prevents the cutter from breaking during the return motion.

➤ With the X-axis providing continuous feed, the cycle repeats until the desired groove depth has been reached.



For the BENZ LinS static fixture, the shaping process and the individual motions have to be performed entirely by the machine.

MODULAR QUICK-CHANGE INTERFACE



- High flexibility thanks to modular design
- High stiffness thanks to planar support
- Simple handling thanks to easy operation
- Quick tool change
 Clamping holder securing using inclined plane and clamping screw
 Clamping holder can be preset outside the machine
- ► High repeating accuracy even across several tool changes



EXPLANATION OF SYMBOLS AND ABBREVIATIONS

	► General specifications
	delicital specifications
Services	Service Services, such as repair, preventive maintenance, etc.
Information	Important information Caution! Important note. Please carefully read these. Product/function explanations using videos
Weight	Weight (in kg) Approximate weight information (for HSK 63). The weights differ depending on the desired drive cone.
Shapes	Serration Torx Involute toothing Hexagon socket Groove Other
Turret	Star turret Disc turret
Function	Shaping principle/process Functional principle behind the broaching unit





Special custom solutions

Products shown in dashed lines represent solutions adapted for a specific customer



Alignment option for clamping holder

This equipment variant comes standard for this unit.
See p. 38