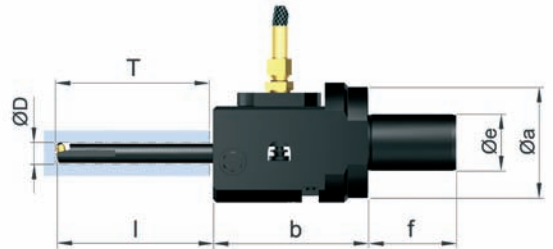


# Design Versions HGx-1, HGx-2, HGx-4, HGx-11

## Application: Internal diameters

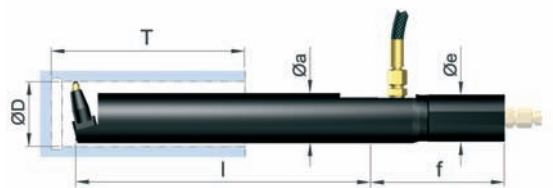
### HGx-1

- For bore sizes  $\geq 19$  mm
- Available with burnishing balls up to 6 mm in diameter
- For use with lathes, boring mills and machining centers
- Available with rotating union DD for rotating applications (see page 37)
- Ball insert, mounted at the end of a lever, operated by the tool body's tracking system
- Initial diameter setting: adjust machine slide into approximate radial position
- Tracking system automatically fine-tunes diameter setting



### HGx-2

- For bore sizes  $\geq 70$  mm (HG6-2) and  $\geq 125$  mm (HG13-2)
- Similar to previous tools, but shank diameter = 50 mm
- Rigid shank allows rolling lengths of up to 800 mm
- Equipped with standard burnishing elements



### HGx-2P

- Available only with 6mm burnishing balls (HG6)
- For internal roller burnishing of narrow bores (similar to a boring bar)
- For use with boring bar holders on both conventional and CNC-controlled lathes
- Shank includes two clamping faces
- Maximum rolling length: 350 mm



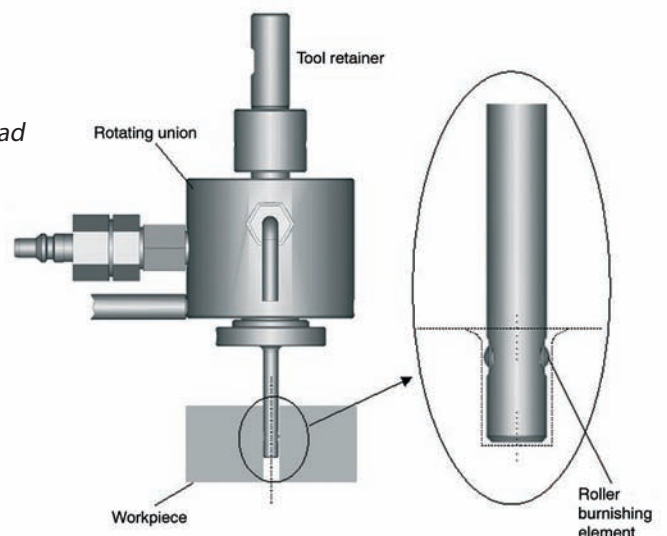
### HGx-4

- For bore sizes 50 - 150 mm
- For use with deep hole boring machines
- Mounted on boring bar with standard BTA thread connection
- Unlimited rolling length
- Guide pads center the tool in the bore (approximate position)
- Allowable bore size variation: 2 mm



### HGx-11 (Special version)

- For internal diameters (holes)
- Diameter sizes 6 - 33 mm
- Each diameter size requires a customized rolling head



### How to order:

HG tools are available in many versions. Please refer to the the information on page 35 and the following naming conventions.

Tool type and ball size	<b>HG13-9-L-15°-SLK-25</b>		
	Design version	Setting angle $\alpha$	Shank size
	L = left-handed R = right-handed K = ball (HGx-6) H = fillet (HGx-6)	VDI = VDI shank SL = square shank SLK = short square shank (tool holder DIN 89880)	