

Design Versions HGx-7, HGx-20, HGx-23, HGx-29 Applications: Faces, free-form surfaces and outer diameters

HGx-7

- For roller burnishing and deep rolling faces and free form surfaces on machining centres and milling machines
- For materials up to 65 HRC
- Complex shapes that cannot be machined with conventional roller burnishing tools can be treated with hydrostatic tools
- Integrated high pressure pump eliminates the need for external pressure supply



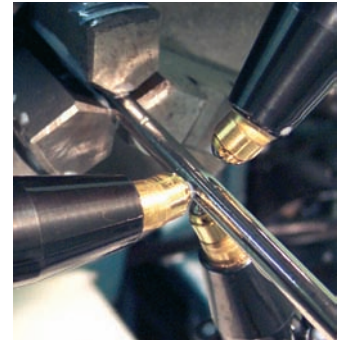
HG4-7



Free form surface

HGx-20

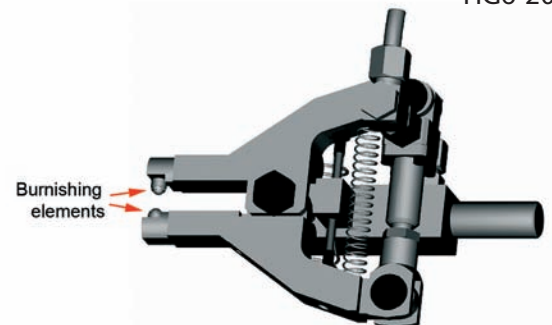
- For roller burnishing and deep rolling the outer surfaces of thin cylinders (with diameters ≥ 0.5 mm)
- Integrated supports and two fixed burnishing elements prevent the workpiece from bending, while a third burnishing element deep rolls the surface
- Consistent product quality is ensured: the burnishing force depends on an outside pressure source that can be closely measured and monitored
- Equipped with three hydrostatically loaded roller burnishing balls
- Tool comes with a square shank, but other tool shanks are available



HG6-20

HGx-23 (not pictured)

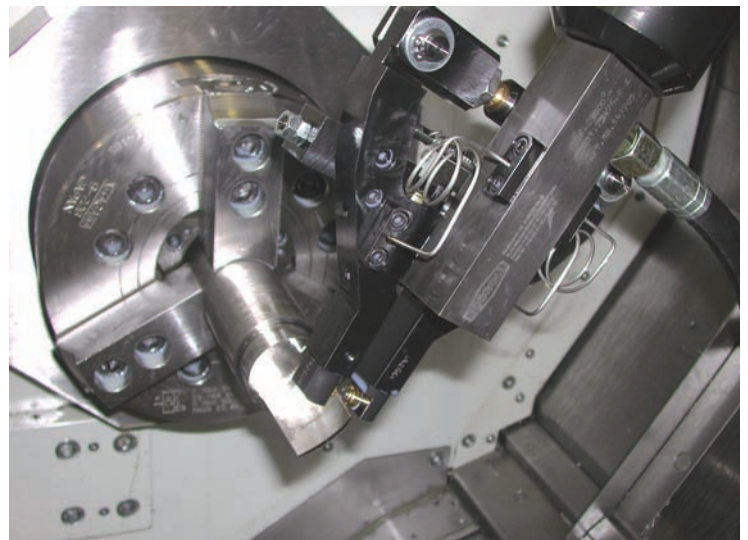
- Specially designed to machine the outer contours of axles
- The workpiece remains static while the burnishing element rotates
- For materials up to 65 HRC
- Consistent product quality is ensured: the burnishing force depends on an outside pressure source that can be closely measured and monitored



HG6-29

HGx-29

- Designed to treat both sides of disc-like and thin-walled components such as turbine blades in one pass
- Can be used with both conventional and CNC-controlled machine tools
- Processes hardened materials up to a hardness of 65 HRC
- Consistent product quality is ensured: the burnishing force depends on an outside pressure source that can be closely measured and monitored
- Equipped with a cylindrical shank, but other standard tool shanks are available



Festwalzen mit HG6-20