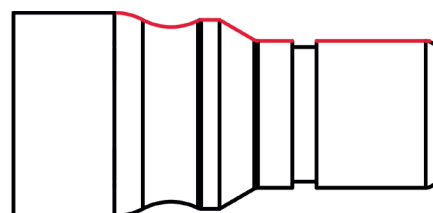


EFFICIENT BURNISHING DIRECTLY ON THE LATHE WITH THE ZEUS GW540



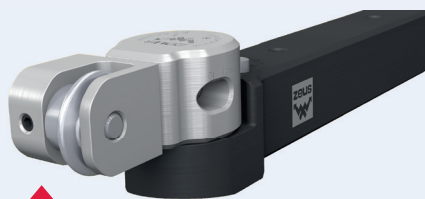
THE CHALLENGE

Cylindrical and concave contours on a rotationally symmetric component were to be burnished. The aim was to improve the surface quality through the burnishing process.

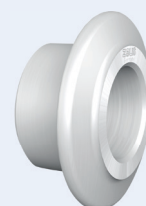


THE SOLUTION

The GW540 burnishing tool, equipped with an RRK roller and set to a 0° head position, was used for the smoothing process. Its integrated spring-pressure system allowed precise adjustment of the contact force to the different contour shapes.



zeus burnishing roll tool, series GW540
with adjustable tool head unit $\pm 90^\circ$
article-No.: 31014596



zeus stepped burnishing roll no. 06 RRK,
article-no.: 41047284



Pre-turned Rz value:
3,888 μm



Achieved Rz value:
1,589 μm

Key processing parameters

Machine	HAAS DS30Y
Material	1.4307 (X2CrNi18-9)
vc	80 m/min
f in X	0,05 mm/U
f in Z	0,02 mm/U
ap radial	0,35 mm

THE RESULT:

Improvement of the Rz value
by **2,299 μm** .

Further information is
available in our online shop
or by email at
sales@hommel-keller.de

