



DRESSING OF BEVEL GEAR GRINDING WHEELS

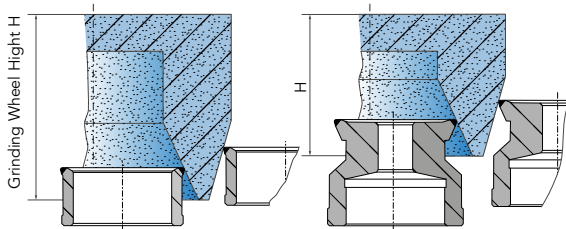
DRESSING DISCS FOR BEVEL GEAR GRINDING

THE BEST DIAMANTIATION...

CVD diamond has been the first choice for diamond coating of DR. KAISER CNC-dressing discs for decades. Its unsurpassed hardness and defined geometries are unbeatable advantages for many dressing tasks. For bevel gear grinding on KLINGELNBERG-OERLIKON grinding machines, DR. KAISER replaced diamond coating with natural diamonds with CVD diamonds in 2013, thereby defining a new standard. This resulted in consistent dressing results even after multiple regrinding cycles and a significantly improved service life.

... CAN BE EVEN BETTER

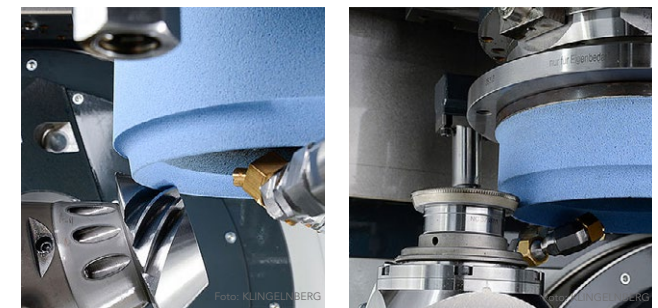
The vacuum-brazed diamond coating with optimized CVD diamond quality and larger diamond plates that has now been introduced further improves the dressing behaviour and increases the tool life at the same time. A larger cross-section of the individual diamonds leads to faster dissipation of process heat and reduces wear progress. As a result, the service life has once again been significantly increased compared to the previous CVD diamond coating: Depending on the application, customers report improvements in tool life by a factor of two.



The new shaped roller variant with a reduced diameter of $\varnothing 50$ mm and a standard height of 28 mm (left) enables the use of higher grinding wheel cups.

HIGHEST PRECISION

Bevel gear production requires maximum precision. Both in soft gear cutting for prototype and small series production and in the finish machining of hardened bevel gears: Dressing is what counts. DR. KAISER is constantly developing new, innovative solutions with machine manufacturers all over the world: For you, the end customer.



DR. KAISER
präzision durch diamant

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