



# GENIS ROLL STAR

## CBN GRINDING WHEEL FOR ROLL GRINDING

Premium grinding tools since 1919  
[www.tyrolit.com](http://www.tyrolit.com)



# GENIS ROLL STAR

TYROLIT has developed a new generation of grinding wheels with a CBN layer and an innovative core for grinding rolls used in cold rolling mills. The GENIS ROLL STAR enables the cost-effective machining of ultra-hard rolls thanks to shorter grinding times and higher-quality surface results. The newly developed core of the GENIS ROLL STAR is vibration-damped and can be disposed of once the grinding layer is worn down.

**Application:** Roll grinding with the GENIS ROLL STAR



**+ Grinding ultra-hard materials**  
The use of CBN grinding wheels enables the efficient and cost-effective machining of ultra-hard rolls such as forged HSS rolls.

**+ Higher process stability:**  
The GENIS ROLL STAR enables, uniform comma-free surface qualities on different roll profiles.

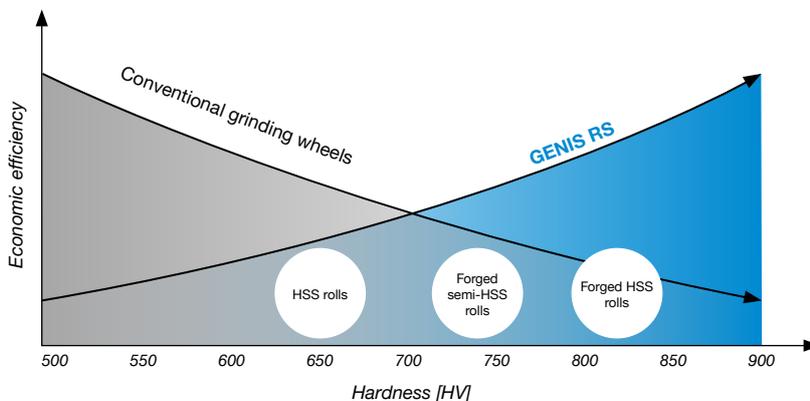


**+ Universal machine use**  
No new procurement or retrofitting of existing CNC machines is necessary.

**+ Universal use**  
The usual material mix in cold rolling mills can be machined with one type of grinding wheel.

GENIS RS is available in all the common dimensions (diameters up to 915 mm).

## Grinding HSS rolls



Our sales force staff and our technical product experts are always glad to help you optimise your grinding process.

### High bond strength

Due to the increased bond strength, grain fracturing instead of grain break-out occurs under optimum process parameters (see figure). This prolongs the good cutting ability and improves utilisation of the CBN grain. The improved utilisation of the CBN grain in turn increases the lifetime of the GENIS ROLL STAR wheels.

