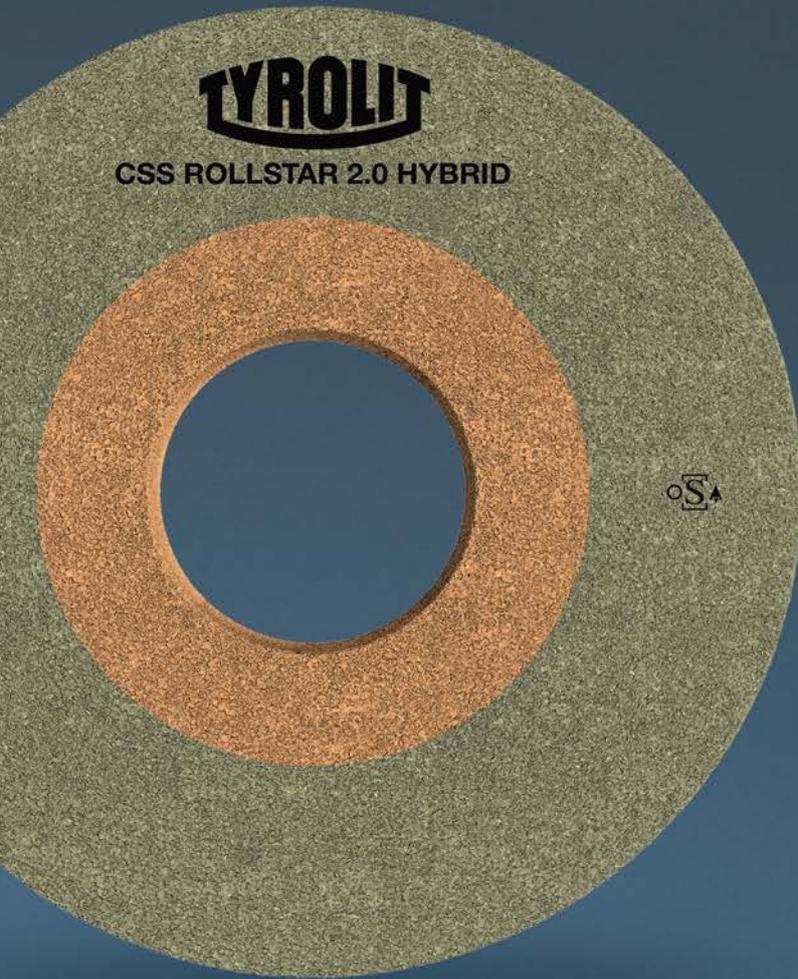




Hybrid
TECHNOLOGY



CSS ROLL STAR 2.0 HYBRID

High Performance

Premium grinding tools since 1919
www.tyrolit.com



CSS ROLL STAR 2.0 HYBRID

More than one hundred years of experience in development of grinding solutions of the highest quality make TYROLIT to a valued partner in the in roll grinding. In the hot rolling mill TYROLIT Hybrid can boost the already excellent performance once again.

Application:
Repair grinding roller



+ Hybrid Technology:
Innovative bonding matrix of synthetic resin and ceramic

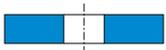
+ Highest Performance:
Highest cutting performance and extra long lifetime through Hybrid Technology



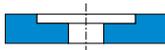
+ Universal use:
suitable for all common roller materials

+ Customer solutions:
Due to our many years of experience we offer the best technical support

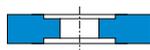
Sortiment



Shape 1
straight grinding wheel



Shape 5
grinding wheel with recess one sided



Shape 7
grinding wheel with recess on both sides

Diameter: 600 – 1100mm
Disc thickness: 60 – 152mm

Bore size: 127 – 508mm
Grit size: 20 - 54 Mesh



Advantages of the HYBRID technology

- + The increased bonding strength enables improved utilization of the grain with optimum process parameters
- + Improved chip removal performance due to very open structures with fewer friction surfaces and larger chip spaces
- + damping properties despite high bonding strength
- + TYROLIT grain with new geometry and quality



CSS RS 2.0 Hybrid grinding wheel structure

When grinding 50% HSS and ICDP work rolls in the hot rolling mill, the following performance was determined

Increase of the G-ratio by **80%**



Increase of the cutting performance by **30%**

