

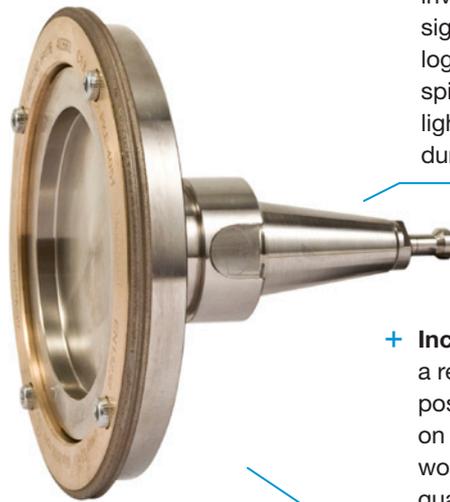


**HALO**  
SINGLE USE AUTOMOTIVE  
GLASS GRINDING WHEEL

# HALO

With the HALO product line, Tyrolit defines a new concept for edge grinding of automotive glass. As well as high process speed, low dressing frequency and a clean edge, the design of a single use wheel offers several new advantages and added value compared to a standard repeatedly reprofiled wheel,

- + **Minimum startup time:** Specific alloys grant a perfect edge finish from the first piece and maximum speed can be reached after few pieces.
- + **Machine set up minimized:** Because only new wheels with precise geometry are used the machine setting and working parameters are always the same. Easy installation in few seconds and proper positioning are granted by specifically designed cones and adaptors.
- + **Improved performance:** The wheel always works as new with maximum diameter (150 mm) granting best life, edge quality, perfect cooling and grinding speed; as it would be with the first application on conventional wheels.



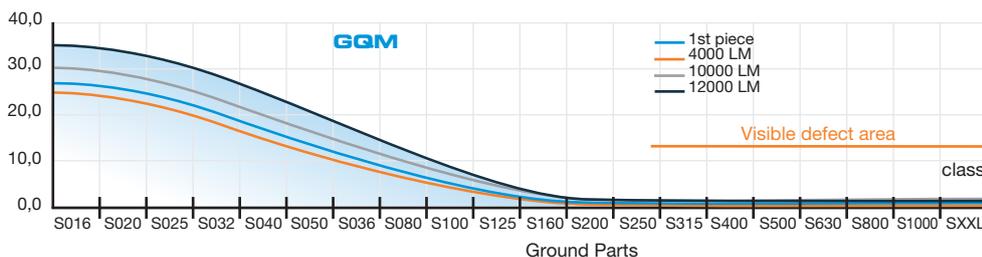
### Application

Edge grinding of windshields, side windows, backlites and sunroofs.



- + **Economic advantage:** Minimized investment in new wheels; significant reduction of handling/ logistic efforts and reduced spindle maintenance due to a lighter wheel that reduce vibrations during work.
- + **Increased productivity:** Thanks to a reduced set up time and to the possibility to install more wheels on the same cone allowing to work continuously. TYROLIT also guarantees dimensional tolerances from the very first piece produced.

## GQM chart analysis of a processed glass edge.



### Machines parameters

Glass thickness (mm)	2,1
Grinding speed (m/mm)	30
Pheripheral speed (m/s)	55
Dressing freq (LM)	160
GQM medium	28,5