

APPENDIX 9, ANNEX 4

Verification using a combined gauge*

The combined gauge may be used to verify qR, Sd, Sh, including projection and false flanges

Fig. 1 – Permissible profile for outer part of flange

Verified using a combined gauge, the qR of the wheel flange must always be greater than 6.5 mm, with no sharp edges or projection on the outer part of the flange over a distance of 2 mm from the top of the flange.

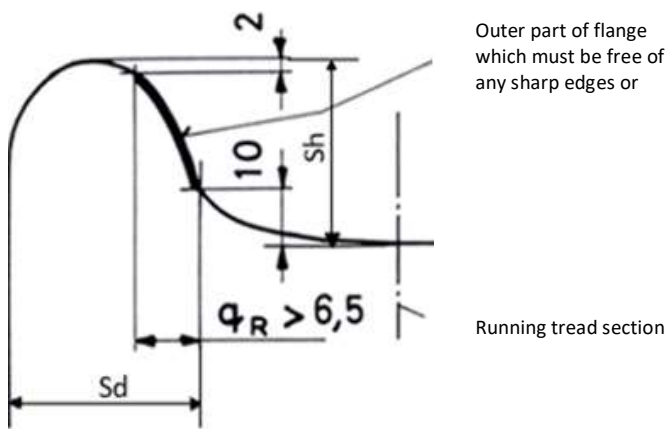
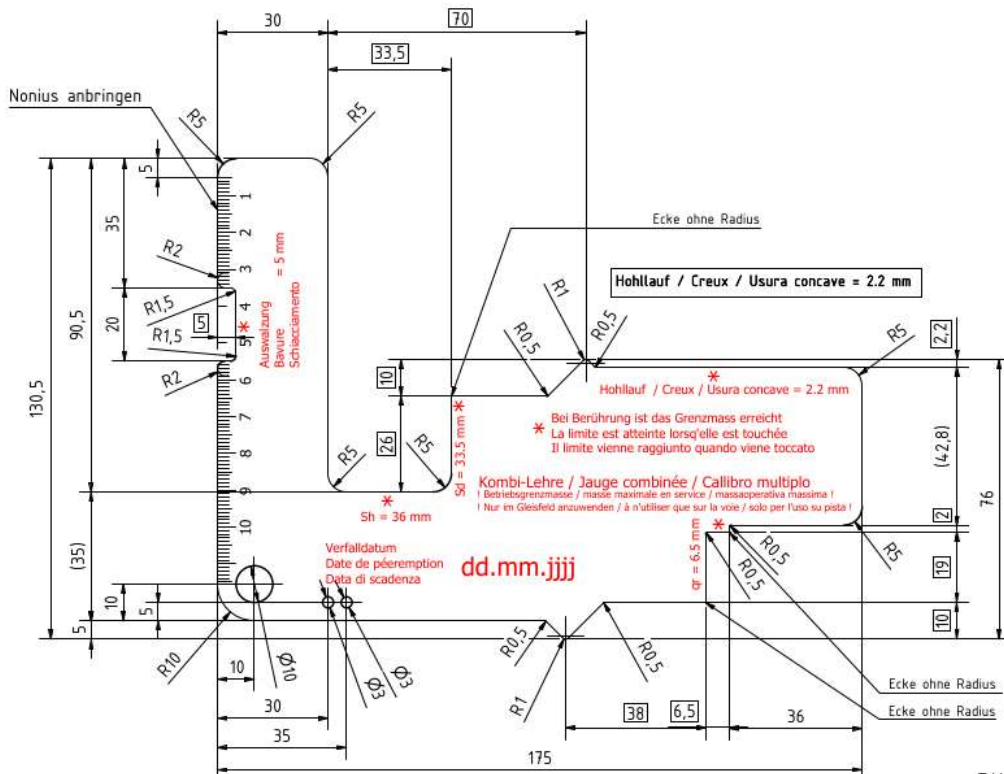


Fig. 2 –Dimensions of combined gauge for verifying qR, Sd, Sh, including projections and false flanges



*Official part of the GCU from 1 April 2023 in accordance with the GCU voting and acceptance rules

Fig. 3 – Wheel flange

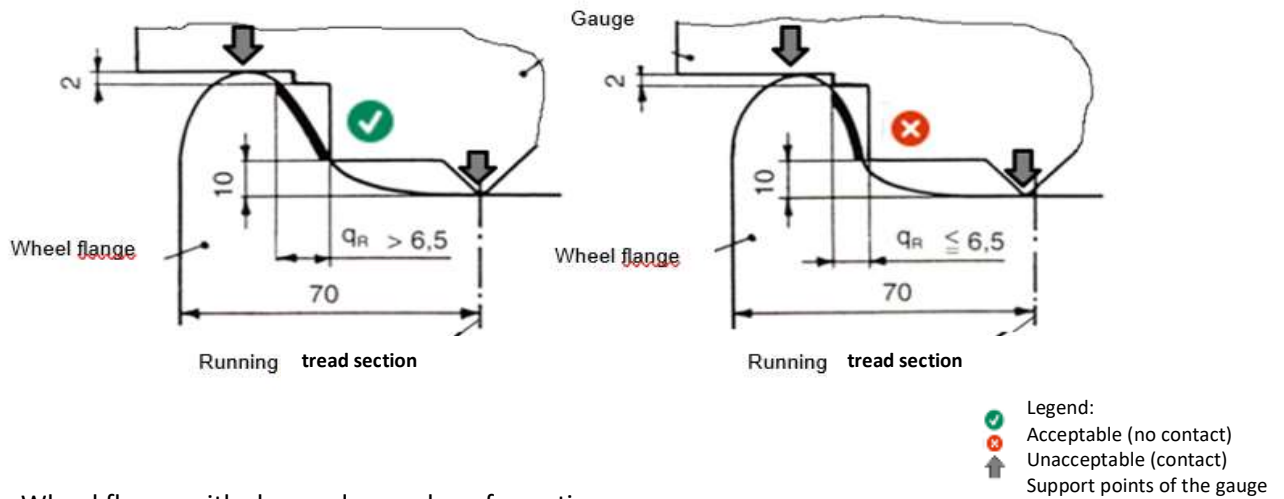


Fig. 4 – Wheel flange with sharp edges or burr formation

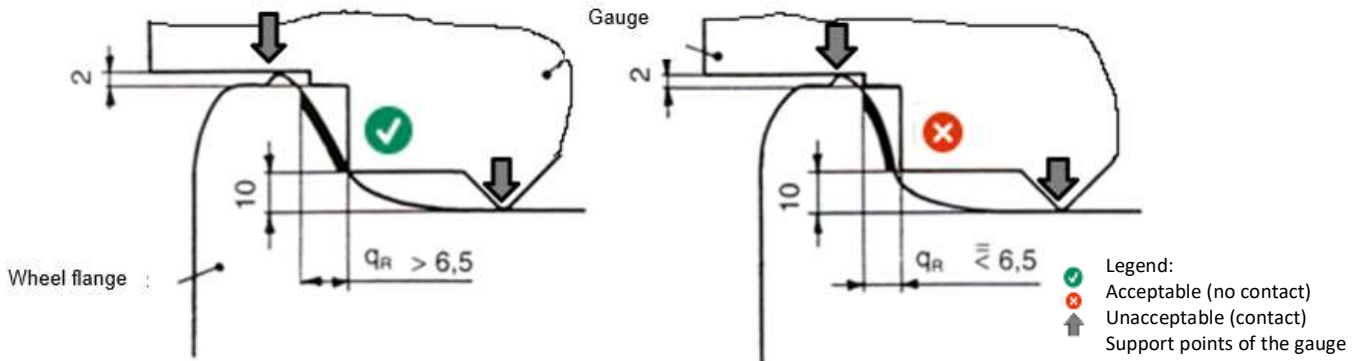


Fig. 5 – Wheel flange height (Sh)

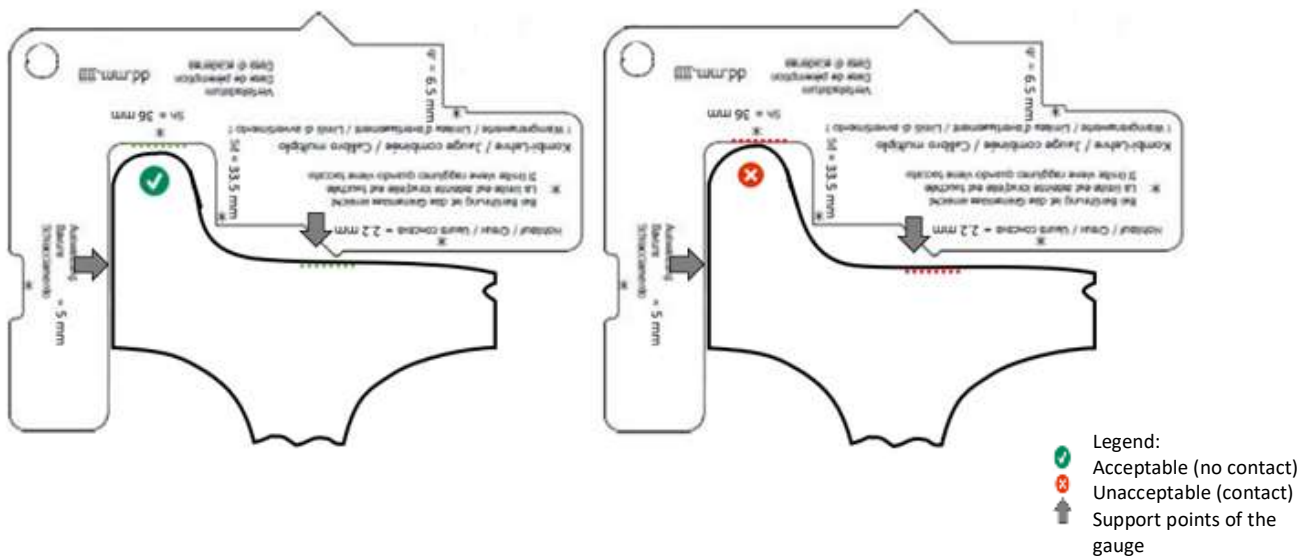


Fig. 6 – Wheel flange thickness (Sh)

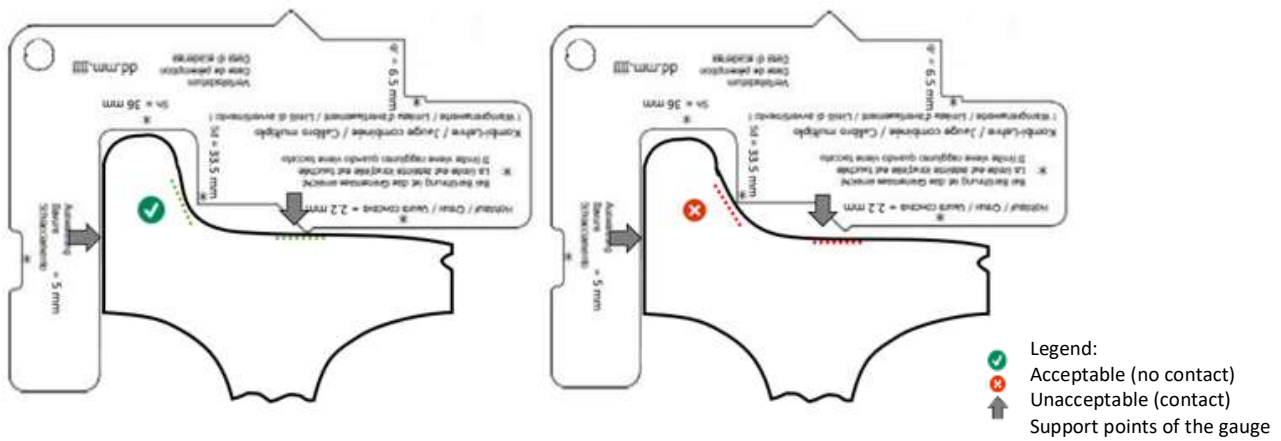


Fig. 7 – Projection

The maximum permissible value for projection (S max) is 5 mm

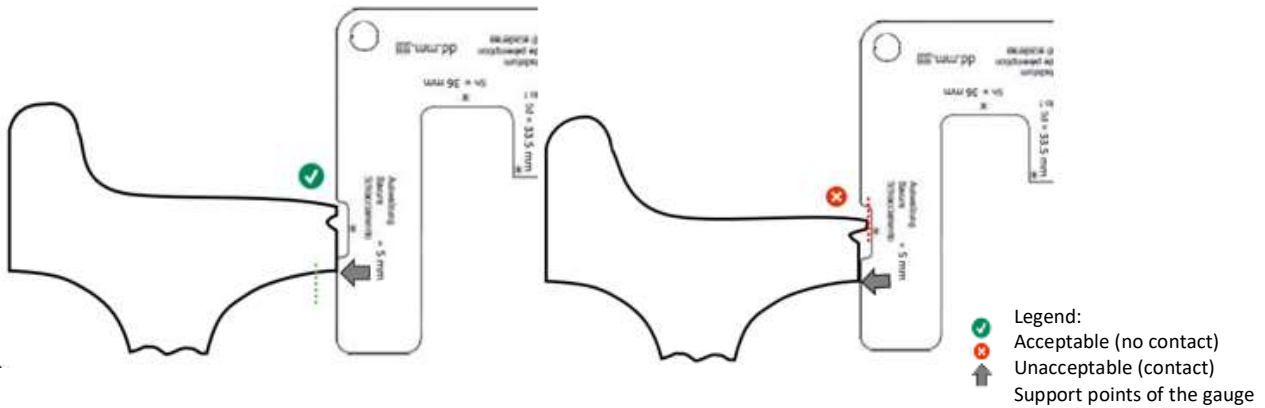


Fig. 8 – False flange

A false flange deeper than 2 mm is not permitted and has been defined as 2.2 mm on the combined gauge

