

# Alcoa® Wheels rim flange wear maintenance

For more information consult the Service Manual for Alcoa® Wheels, section 13.g



## Rim flange wear is considered regular wear

- Rim flange occurs on steel and aluminium wheels
- Rim flange wear is a normal occurrence
- Rim flange wear is a non-warrantable condition
- Caused by bulging of tyre when rotating (6 o'clock position)
- Creates sharp edges on the rim flange
- Requires maintenance



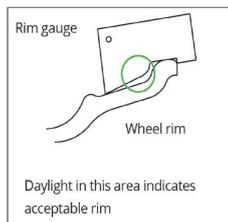
## Rim flange wear is accelerated when

- Overloading / underinflation
- Shifting loads e.g. tank / liquid transports
- High point of gravity
- Regional haul / excessive curving & braking
- Off road / bad road conditions
- Depending on tyre bead construction

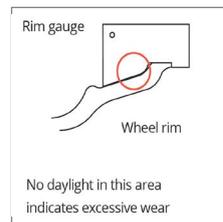


## Maintenance

- Remove sharp edges using a file, power sander or – grinder
- Avoid gouging the wheel
- Always wear appropriate safety equipment
- Check each and entire rim flange height with the:
- Rim Flange Wear Gauge for Alcoa® Wheels P/N GAXGAUGE001



If each and entire wheel flange is within the limits of the rim flange wear gauge, the wheel may be returned to service



Immediately and permanently remove and scrap any wheel from service that has inadequate rim flange height



Only Dura-Flange® Wheels have a warranty on rim flange wear. Dura-Flange® has a 24-month warranty against wear which creates a sharp edge that would require maintenance.

If excessive rim flange wear is frequently observed in your operation, consider using Dura-Flange® Alcoa® Wheels.



**Important remarks: These gauges are to be used for Alcoa® Wheels and rim flange wear only. They are not a bead seat angle or diameter tool. For steel wheels and other aluminium wheels other regulations may apply.**