

BI.02.21 Error tolerant design of wheel assembly components

(Accountable - Engineering Manager (Unassigned))

Expectations

Good design prevents mis matching components, incorrect fitment or fails to safe during inflation.

Specify

OEMs prepare and site confirm wheel assembly components are easily understood and largely error tolerant. This includes confirming:

- Components have obvious means of placement and/or are provided with appropriate decals/signage/labelling
- Required gauges are included and matched to components
- Any components sourced are included in appropriate plant safety files/registers with proof (and other) testing records included in records kept
- Specifications of site requirements are prepared to match error tolerant designs of wheel assembly components

Implement

Technical and maintenance workers are trained in requirements for wheel assembly components.

Introduction to site processes confirm that received plant meets technical specifications and other site requirements.

Monitor

Supervisors and trainers confirm technical and maintenance workers understand key requirements of wheel assembly components.

Incident data is reviewed/monitored to confirm that components are meeting their error tolerance requirements - and requirements are amended as required.

Registers (plant safety files) are regularly audited to confirm that components ItS and inspections are occurring in line with site requirements.