

Personal Protective Equipment - Gloves

Gloves are a minimum PPE requirement and as a KLINGE employee (Tyre Service Person) they must be on your person at all times, and worn during tyre maintenance tasks as per page 39 of WKI-K&C-004 – General Safety Handbook. There are a number of hand/finger injuries that can be sustained when conducting tyre maintenance activities such as pinch points and lacerations caused by tooling, equipment and sharp objects i.e. steel burrs from rims. Where there is a risk of injury to hands through cuts then employees are required to obtain suitable gloves and wear them to help minimise the risk of injury. To assist in ensuring that the correct gloves are worn please refer to the below information.

AS/NZS 2161.3:1998 - Protection Against Mechanical Risk

This standard is applicable to all kinds of protective gloves with regards to physical and mechanical aggressions caused by abrasion, blade cut, tear and puncture.

Protection against mechanical hazards is expressed by a pictogram followed by four numbers (performance levels). The four basic tests that define this standard are:

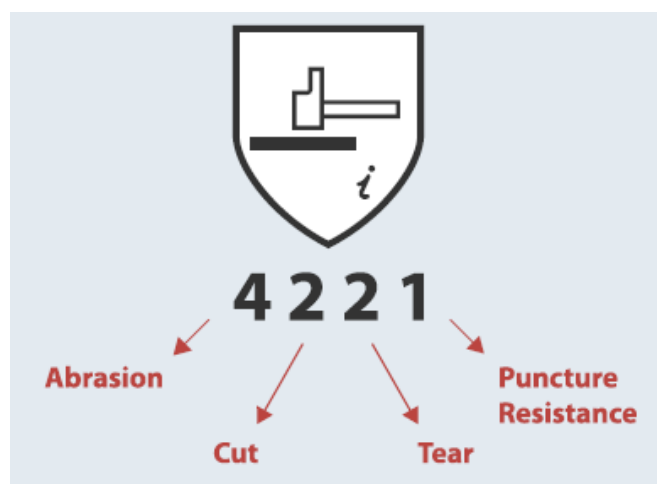
Abrasion Resistance – how well can the material of the glove resist exposure to repeated abrasion.

Blade Cut Resistance – how well can the material of the glove resist being cut through the sample at a constant speed.

Tear Resistance – what force is needed to tear a pre-cut hole in the material of the glove.

Puncture Resistance – what force is needed to pierce the sample with a standard-sized point.

Gloves are tested for each of these properties and results reported as performance ratings. The higher the rating, the better the glove is with respect to this property. Please note: the rating table is on the following page mentioned in the standard.



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Standard EN388:2003

Gloves giving protection from mechanical risks

Relevant Australian standard: AS/NZS 2161.3:1998

Scope

This standard applies to all kinds of protective gloves in respect of physical and mechanical aggressions caused by abrasion, blade cut, puncture and tearing.

Definition and requirements

Protection against mechanical hazards is expressed by a pictogram followed by four numbers (performance levels), each representing test performance against a specific hazard.



abcd

The 'mechanical risks' pictogram is accompanied by a four digit code.

a. Abrasion resistance

Based on the number of cycles required to abrade through the sample glove.

b. Blade cut resistance

Based on the number of cycles required to cut through the sample at a constant speed.

c. Tear resistance

Based on the amount of force required to tear the sample.

d. Puncture resistance

Based on the amount of force required to pierce the sample with a standard-sized point.

| Test | Performance level rating | | | | | |
|----------------------------------|--------------------------|-----|-----|-------|-------|------|
| | 0 | 1 | 2 | 3 | 4 | 5 |
| a. Abrasion resistance (cycles) | <100 | 100 | 500 | 2,000 | 8,000 | |
| b. Blade cut resistance (factor) | <1.2 | 1.2 | 2.5 | 5.0 | 10.0 | 20.0 |
| c. Tear resistance (newton) | <10 | 10 | 25 | 50 | 75 | |
| d. Puncture resistance (newton) | <20 | 20 | 60 | 100 | 150 | |

In all cases above, 0 indicates the lowest level of performance.

These performance levels must be prominently displayed alongside the pictogram on the gloves and on the packaging which immediately contains the gloves.

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