

Demounting and mounting car and bike vehicles tyre changing machinery - Safety requirements

Introduction

This document is a Type-C safety standard as explained in the EN ISO 12100.

The machinery hereabout and the extent of damages (hazards), dangerous events and situations are indicated in paragraph 1. Scope and field of application

Moreover, for all other hazards which are not treated in this standard, the machinery should be in conformity with the EN ISO 12100, if applicable.

When the arguments of this Type-C safety standard are different from those indicated in Type-A or Type-B standards, the Type-C standard rules here described have priority over other standards, with reference to machinery designed and manufactured following the measures of the current Type-C standards.

Object of this standard is the definition of rules to keep people safe (protect) from risk accidents derived from use of these machineries.

During developing this standard, it was considered that machineries are exclusively actioned by specialists only.

1. Scope and field of application

The current standard provides the safety requirements and their check for designing and manufacturing tyre demounting and mounting machineries (see point 3.2 for definition). Tyres referred to are destined to cars, buses, trucks, specific transport vehicles, special vehicles, caravans, trailers, cargo trailers, lightweight four-wheel vehicles with total mass storage up to 3.5 tons and motorvehicles (motorcycles?) to grant correct and safe assembling of tyre and rim.

This standard describes methods to eliminate or reduce risks deriving from reasonably predictable proper and improper use of these machineries by a person (operator) during the routine functioning and service operations.

In addition, this standard specifies the kind of information to be given by the manufacturer about the safety working operations.

The standard treats all significant hazards (see chart 1), dangerous situations and events related to these machineries, both in case of standard use and under the improper usage conditions that are reasonably predictable by the manufacturer.

The current standard does not apply to hazards related to maintenance or repairing done by professionally qualified personnel.

The current standard does not apply to the machineries manufactured before the date of publication.