VETTER®
forks.com

Fork knowledge

Norms and regulations

Safety factor 3

ISO 2330 stipulates that all ISO forks need to be calculated with a safety factor 3. Safety factor 3 means that no permament deformation is allowed in case the triple nominal load is operated. From a capacity of 11,000 kg on, the safety factor can be reduced to 2.5.
All VETTER fork sizes and designs are calculated with a standard safety factor 3!

CE marking of forks

In compliance with the EC Machinery Directive 2006/42/EC the fork has to be arrranged in the order of elements or components, which only obtain a real function in combination with the carrier vehicle.

Classification of VETTER forks occurs as follows:

„Machinery“	= NO; see MD article 2 clause 1a)
„Interchangeable equipment“	= NO; see MD article 2 clause 1b)
„Lifting accessory“	= NO; see MD article 2 clause 1d)
„Partly completed machine“	= NO; see MD article 2 clause 1g)

Subsequent the fork is an integral part of the carrier vehicle and must not be marked with the CE sign.

There are some fork designs that require a CE marking due to their function (e.g. Manu**Tel**® telescopic forks, **Folding** forks, Fork**extensions** etc.)

Norms and regulations

Forks are safety parts.

National and international norms stipulate minimum standards to be observed for the production and use of forks. Furthermore, dimensions of the fork suspension on the lift truck resp. fork carrier are defined.

Some important norms and regulations

ISO 2328	Fork-lift trucks – Hook-on type fork arms and fork arm carriages – Mounting dimensions
ISO 2330	Industrial trucks-fork arms – Technical characteristics and testing
ISO 2331	Fork lift trucks – Hook-on type fork arms - Vocabulary
ISO 5057	Industrial trucks – Inspection and repair of fork arms in service on fork-lift trucks
DIN-EN 1755	Safety of industrial trucks – Operation in potentially explosive atmospheres
DIN-EN 3691-1	Industrial trucks – Safety requirements and verification

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