

The EPS system

A study of accident statistics of the most common sports has shown that artificial climbing facilities are among the safest sports facilities. Even much more common sports like football, boxing or squash entail a considerably higher risk of accidents.

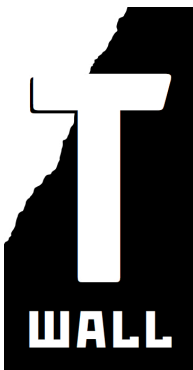
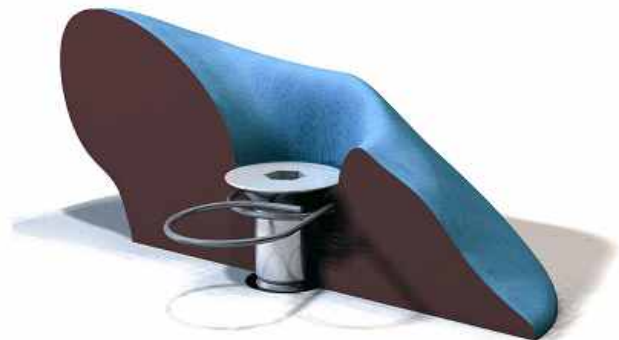
However, artificial climbing facilities are not completely without danger. In recent years, numerous cases have been documented worldwide where climbing holds (whole or in parts) broke off the climbing walls and only just missed the belayers or spectators. It is only a matter of time before someone will be hit by a climbing hold, the consequence possibly being serious injury.

As a response to this threat, T-Wall uses the new internationally patented EPS - Explosion Proof System for all climbing holds with a volume of 100 cm³ upwards.

A special spring element is inserted into the hold during the manufacturing process.

In the event of a fracture, which usually occurs near the screw used for fastening, said spring prevents large parts breaking off.

The hold is held together by the spring element and stays on the climbing wall.



The EPS system used for T-Wall climbing holds contributes enormously to ensuring the safety of climbers and spectators in artificial climbing facilities.

Furthermore, the system protects the operators from possible legal disputes by injured parties.

In the future, the requirement to prevent holds from breaking off the wall will also be included as a standard in DIN and EN 12572:3 for artificial climbing facilities.

The EPS system is a big step towards improving safety in artificial climbing facilities.