



Door hardware for emergency exits

Emergency exit fittings / panic door fittings

New European standards for emergency exit fittings and panic door fittings came into force with effect from 1. April 2003:

EN 179 “Locks and building fittings - **Emergency exit fittings** with handles or butt plate – Requirements and test procedures”

EN 1125 “Locks and building fittings – **Panic door fittings** with horizontal actuating rod – Requirements and test procedures”

An essential feature of the new requirements is the joint testing of lock, striking plate, fittings and mounting accessories and these may only be installed as a tested unit to escape route doors.

Fittings for emergency exits according to EN 179

Emergency exits according to EN 179 are intended for buildings or building sections which are not open public traffic and whose users are acquainted with the function of the escape doors. These can also be emergency exits in public buildings which are used only by authorised persons (building zone not accessible by the public).

Special requirements are defined for the handles with respect to form, function and dimensions. Accordingly the free end of the handle must be flush with the door surface to prevent persons from being caught by their clothing. The fittings can also be used as handles or changeover fittings. The screw coupling is to be continuous and the mounting accessories are also a component of the test unit. Emergency exit fittings are not suitable as panic door fittings.

Fittings for panic doors according to EN 1125

Panic doors according to EN 1125 are used in public buildings in which users are not acquainted with the function of the escape doors. However, actuation of the panic door in an emergency must also be guaranteed without instruction.

Locations include hospitals and clinics, schools and colleges, official administrative buildings, airports and shopping centres.

Specified as compulsory are bar or press handles extending over the full door width. These are to be mounted on the escape side of the door whilst the outside is fitted with appropriate door handles, knobs or blanking plates. Continuous bolts ensure additional security. The external fittings and the accessory fittings are also a component of the testing.

In the case of two leaf door elements a bar handle is also to be mounted on the standing door when using a force bolt lock.

CE marking

From 1. April 2003 fittings for emergency exit and panic doors successfully tested according to the new standards must be marked with the conformity symbol "CE". This is to achieve easier goods traffic within the EU.

Or 'in our words': The "CE" symbol is the key to the EU market. To obtain the CE mark the product in question must undergo a so-called conformity evaluation. This comprises:

- **Original testing** of the product by a notified body
- **Original inspection** of the factory and the works own production control by the notified body
- **Self monitoring** of the works own production control by the manufacturer
- **Third party monitoring** of the own monitoring of the manufacturer by the notified body

Notified bodies: These are detailed ("notified") by the member countries to the European Commission and the other member countries. Only these are authorised to carry out the conformity evaluation.

Separate delivery of lock / fittings

In principle the following national delivery conditions are applicable for the locking system and fittings as opposed to the current 1997 standards:

- Switzerland / Austria / Germany:
EN 179 separate delivery possible
EN 1125 separate delivery possible

However the following conditions must be satisfied:

- The locking system must have positively undergone joint testing according to the corresponding standard.
- The certificate holder of the locking system is responsible for placing the CE marking (lock neck) and hence also responsible for the testing in connection with the self and third person monitoring.
- Appropriate contracts are to be concluded between certificate holder, lock and/or fittings Manufacturer plus the certifying body for the testing and the current self and third party monitoring.
- The affiliation of the tested components is to be documented and brought to the notice of the consumer in the documents of the certificate holder respectively the manufacturer of lock and fittings.
- Information on the affiliated and jointly used components are also to be given in the mounting instructions.
- The manufacturers of lock and fittings which deliver separately to the trade are obliged to train the trade staff accordingly.

Tested Glutz products for emergency exit and panic doors

All the Glutz products listed below are tested and approved and may be used only as a set in any combination for emergency exit and panic doors according to EN 179 / EN 1125.

EN 179 – Emergency exit fittings

All door handle fittings from Glutz are tested and approved for fire and smoke protection doors according to DIN 18273 FS. This covers the entire door handle programme (not only the door handle models listed below) and the entire escutcheon and rose programme.

Door handle models	5033 / 5038 / 5046 / 5054 / 5055 / 5059 / 5062 / 5064 / 5065 / 5066 / 5069 / 5074 / 5083 / 5092 / 5096 / 5098 / 5099 / 5154 / 5162 / 5175 / 5176 / 6031 / 6032 / 6045 / 6046 / 40038 / 40064 / 40176 / 50040 / 50041 / 50050 / 50051 / 50054 / 50055 / 50056 / 50057 / 50060 / 50061 / 50080 / 50935 / 50661 / 50921
Door escutcheons / door roses	The complete product range of the Professional line. These comprise round and oval roses, short and long escutcheons and security plates. With sliding and needle bearings, optionally in standard or twin execution.
Door locks	Mortice lock 1230 (panic function E) Mortice lock 1231 (panic function D), with divided square drive 5920 Mortice lock 1240 (panic function E, self-locking) Mortice lock 1241 (panic function B, self-locking), with divided square drive 5920
Striking plates	Chamfered plate B-1151/711 in stainless steel for rebated doors Lap striking plate B-1001.431 in galvanised steel for butt closing Doors

EN 1125 – Panic door fittings

Horizontal actuating bar	Panic fittings 8614 in combination with mortice locks 1230 / 1231 Panic fittings 8615 in combination with mortice locks 1230 / 1231 / 1240 / 1241
Striking plates	Chamfered plate B-1151.711 in stainless steel for rebated doors Lap striking plate B-1001.431 in galvanised steel for butt closing doors

ATTENTION

If Glutz panic locks are used with square spindle and striking plates of other manufacturers, Glutz does not assume any liability.

Joint set tests according to EN 179

Glutz door handle fittings are tested or test preparation is in progress at MPA in Dortmund with the following lock manufacturers:

BKS (D)	Tests successfully completed. With immediate effect all panic locks from BKS are approved in combination with Glutz panic door handle fittings.
MSL (CH)	Tests successfully completed.
NEMEF (NL)	Tests successfully completed. Lock type series 1769
WILKA (D)	Tests successfully completed. Complete Wilka escape door programme for metal doors.
Winkhaus (D)	Tests successfully completed.
Securidev (F)	Tests successfully completed.
Assa Abloy (D)	Tests successfully completed.
KFV(D)	Tests successfully completed.
DORMA (D)	Tests successfully completed.

June 2015