

SECURITY LOCK DOCUMENTATION

<http://www.securitylocks.facchinetti.it>

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ABOUT FF F.LLI FACCHINETTI

The company F.Ili Facchinetti was founded in 1949 and, during more than 50 years of experience in the hardware field, has pursued to reach a high quality level through an endless technological development and a continuous exploiting of scale economics.

The above interacting elements have made it feasible to grant a mechanical 5/10 year guarantee, always with a correct quality/price ratio.

F.Ili Facchinetti industrial structure can cover all the necessary operations, by projecting and producing both the actual manufactured items and all the necessary tooling equipment.

F.Ili Facchinetti's technical manufacturing capacities are backed by large selling channels now covering more than 70 foreign countries through either sole agents, distributors or commission agents depending on each different market.

The above reasons and an operating philosophy aiming at the most serious and responsible professional correctness, as a basis of each co-operation relationship, have made it possible for F.Ili Facchinetti to rely on a consolidated number of buyers who, in various cases, has already interested the second generation.

CERTIFICATIONS

F.Ili Facchinetti is going to get a quality system, which should shortly lead to

ISO 9001 - 2000 Vision Certification

aiming at satisfying customers' exigencies by exploiting an operative cycle in order to keep improving quality both of services and products. In this connection F.Ili Facchinetti has invested considerable amounts of money not only for up-to-date computer systems to manage information and instructions, but also and particularly for human resources. During six months, 25 day company courses were set up by specialists of TQM Consulting, an important business and training advice firm, in order to fund the quality system.

F.Ili Facchinetti manufactures certified products: among them it is to be pointed out the new rim electric lock, showing CE brand, that is a special certification given by NEMKO, a Norwegian company specialised in evaluating electrical products.

Moreover, F.Ili Facchinetti was among the first companies in Italy to manufacture 5 pin Euro profile cylinders conforming to European EN 1303 Norms – 16-0-13 classification – regarding high quality items both for security and strength.

PRODUCTION RANGE

F.Ili Facchinetti produces cylinders, locks and padlocks.

An exhaustive catalogue includes locks for wooden doors and iron or aluminium frames, mortise and rim locks, shackle and rectangular padlocks besides security cylinders with different profiles.

The main product groups are the following:

- security electric rim locks for wooden and iron doors
- security rim locks for wooden door
- security night latch rim locks
- security shutter locks
- security up-and-over door locks
- security light bottom bar and metal cabinet locks
- security mortise locks for wooden doors
- security mortise locks for iron doors and aluminium frames
- shackle solid brass padlocks
- roller shutter solid brass padlocks
- roller shutter armoured padlocks
- security Euro profile cylinders conforming to EN 1303 - grade 3 -
- security anti drilling Euro profile cylinders
- security oval profile cylinders
- security round profile cylinders
- security round threaded cylinders
- handle locking cylinder

All above products are covered by a mechanical guarantee for 5/10 years.

RIM LOCKS

Rim locks refer to locks to be fitted on the inside of a door

The following items belong to the above macro family:

- security electric rim locks for wooden and iron doors
- security rim locks for wooden door
- security night latch rim locks
- security shutter locks
- security up-and-over door locks
- security light bottom bar and metal cabinet locks

The difference between locks for wooden doors and iron doors refers both to the lock finish, which is usually coated by epoxy powder for the wooden door locks and zinc plated for the iron door locks, and to the accessories, which are different according to the types of doors where the locks are to be assembled.

SECURITY ELECTRIC LOCKS

The above locks bear an opening mechanism operated by an electric impulse at a distance. Besides the usual difference regarding finish and assembling set, F.lli Facchinetti's electric locks are different from the traditional ones because they are of two types: with latch bolt only and with latch bolt together with double throw deadbolt.

The electric lock with double throw deadbolt is actually a double mechanism lock : besides the latch bolt, which may be operated either by key or by push button or by electric impulse, it bears a mechanical double closing feature, which is operated only by key and it does not depend at all on the electric system.

The above model can satisfy any security requirements usually requested when it is assembled on a strategic door. In fact, the double throw deadbolt can avoid any picking attempts and can also make it unimportant the casual electric system opening.

Another very interesting model is the one including the "stop device": the lock bears both the push button and the cylinder inside. By using the push button the lock is opened, while the push button may be blocked in closed position or in opened position by using the key. In the first alternative only a person with the key may open it (for instance, during the night or when people are away for a long period) while, in the second alternative, the lock does not remain in the closed position (suitable for doors to be used during the day freely without any control).

It is also to be stressed that all F.lli Facchinetti's 24 model electric locks bear two solenoids covered by a fire-retardant and waterproof shell.

The fact that two solenoids are to be found inside the electric lock is particularly useful when such a lock is assembled at a distance. The two solenoids actually allow a perfect functioning of the lock even when the distance decreases the electric power of the wires. Moreover, if one solenoid should by chance be damaged, the lock can function properly because of the shell protecting it from water and damp.

All the electric locks may be supplied right or left, with outside cylinder both fixed or loose and with different backsets from 40 to 80mm

SECURITY RIM LOCKS

The safety rim locks bear a double or triple throw deadbolt, which may be operated either by key or by knob inside, only by key outside. The latch bolt is operated by key outside and by lever inside.

F.lli Facchinetti range includes also models with spindle hole operating the spring bolt and that is particularly useful on open air gates.

The model with chain is fitted on wooden doors and the chain is an additional security device.

All the rim locks may be supplied right or left, with outside cylinder both fixed or loose and with different backsets from 40 to 80mm.

SECURITY NIGHTLATCH RIM LOCKS

The safety nightlatch rim locks bear 4 or 6 or 8 throw deadbolts.

The deadbolt and the latch bolt are operated by key outside and by lever opening mechanism inside.

Besides the traditional type, F.lli Facchinetti produces also a model bearing 5 or 7 throw deadbolts with a built in latchbolt and a 6 throw deadbolt with separate latchbolt.

All the safety nightlatch rim locks may be supplied with outside cylinder both fixed or loose and with different backsets from 40 to 80mm.

SECURITY ROLLER SHUTTER LOCKS

The security roller shutter locks are operated by a mechanical system to be fitted on roller shutters.

The closing operation is based on a gear mechanism with 23mm projection deadbolt.

F.lli Facchinetti range includes not only the traditional type, but also different models bearing either flat or bent or oversize bent bolts, both with assembled or unassembled spurs. Moreover, cylinders may be either round or with 6 gorge double bit key system.

Such locks may also be produced in pairs of side type locks right and left keyed alike.

SECURITY UP AND OVER DOOR LOCKS

The safety up and over door locks are operated by a mechanical system to be fitted on garage shutters.

The various F.lli Facchinetti types include different models with upper fastening with cylinder both round and with Euro profile. Moreover there are the heavy-duty models with Euro profile cylinders, which can grant a higher security level, available either with upper fastening or with lower fastening or with double fastening. The latest models may be

supplied with an automatic recovering spring.

All the up and over door locks are operated by handles and function by key outside and by lever inside.

SECURITY LIGHT BOTTOM BAR LOCKS

The safety light bottom bar locks are operated by a mechanical system to be assembled on window shutters.

The closing operation is based on a gear mechanism with 28,2mm projection deadbolt. F.lli Facchinetti has developed new models: a narrow type with 8,40mm case thickness suitable to be assembled on the last slat of the shutter and a very narrow type with 6mm case thickness to be assembled on the middle slat, which can be re-winded with the shutter.

The 8,40mm model is available bearing either the cylinder to be operated both outside and inside by the same key or with only the inside knob with an incorporated closing system.

SECURITY MORTISE LOCKS

The safety mortise locks are fitted inside the door so that only the cylinder face and/or the handle can be seen.

The following locks belong to this macro family:

- security mortise locks for wooden doors
- security mortise locks for iron doors and aluminium frames

The difference between locks for wooden doors and locks for iron doors refers both to the lock finish, which is usually coated by epoxy powder for the wooden door locks and zinc plated for the iron door locks, and to the accessories, which are different according to the types of doors where the locks are to be assembled.

SECURITY MORTISE LOCKS FOR WOODEN DOORS

The security mortise locks for wooden doors bear either single or double throw deadbolts, with steel or inox or brass forends, 70mm or 72mm or 85mm spacings and Euro profile cylinders. Moreover there are several forend finishes, besides various types of latchbolts, deadbolts and forends.

All mortise locks are supplied complete with cylinders, strikes, fixing screws and are available in different backsets, from 20 to 70mm.

SECURITY MORTISE LOCKS FOR IRON DOORS AND ALUMINIUM FRAMES

The security mortise locks for iron doors and aluminium frames bear cylinders either Euro profile or oval or cross-key type, in various models suitable to horizontal aluminium frames or vertical aluminium frames or sliding doors.

A large range of models make it possible to choose the model most suitable to the type of frame where it is to be assembled.

All the mortise locks for iron doors and aluminium frames are supplied complete with cylinders and are available in different backsets from 15 to 80mm.

CYLINDERS, PADLOCKS AND KEYS

F.lli Facchinetti produces also keys, cylinders and padlocks.

The production line includes shackle brass padlocks, from 20 to 70mm, long shackle padlocks, from 30 to 50mm, and also roller shutter padlocks sheathed by armoured steel cover on brass bodies.

The Euro profile cylinder production refers to two types: one with 5 pin tumbler mechanism conforming to EN 1303 Norms – security degree 3 – 16-0-13 classification, 100.000 cycle resistance and the other with 6 pin tumbler mechanism with anti-drill device to assure a higher security level.

Moreover there are: oval cylinders, to be used particularly on mortise locks for iron doors and aluminium frames and round cylinders to be assembled on rim locks.

All F.lli Facchinetti cylinders are supplied with inox springs and picking resistant pins in order to keep on improving quality, reliability and endurance so that they can be covered by 10 year mechanical guarantee.

The cylinder production is to be used not only to complete the mortise locks but also to satisfy the demand of the replacement market.

An inside advanced technical office and a computer guided equipment make it feasible to design and to produce special cylinders on customers' requests, to be used in the hardware field or in any other sector requiring a particular closing system to be planned and manufactured on purpose.