

EURIPA[®]
ANTI-THEFT ENGINEERING

PROTEKT[®]

THE ANTI THEFT SOLUTION



U S E R M A N U A L

C O N T E N T S



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Our Mission :
ANTI-THEFT ENGINEERING

Our Vision :
“We shall be a Global Provider of customised anti-theft products + solutions for every house + institution, with an 'Idea to Actual theft prevention' value chain, having a global mind set; being a good place to work, learn and grow; with a culture of disruptive innovation and continual improvement.”

The EUROPA journey began in the year 1984 with the Mission “ANTI-THEFT ENGINEERING”. Dr. P. A. Joshi after studying in Germany {Dr. Ing : Doctorate in Mechanical Engineering & B.E. [Mechanical]}, founded this Company in the Cultural and Industrial city of Pune. Since then, Welmade Locking Systems Pvt. Ltd. has carved for itself an enviable niche in the Indian Market. Continuous growth based on innovative Product Engineering and Strategic thinking has made the Company the Brand Leader, giving the EUROPA Brand its excellent reputation.

Backed by world class technology and driven by a dedicated team of dynamic professionals (25% are involved in Design & Development), the company manufactures international standard products which have been appreciated in trade fairs like the KOLN TRADE FAIR held in Germany.

We constantly INNOVATE to design and manufacture locks with best-in-class features meeting Global function, finish, load (strength) & life (warranty) standards. We have applied for and received a large number of Patent and Design Registrations.

Dr. P. A. Joshi, founder of the company, was requested to provide services as the **International Consultant for 'Global Mapping of Lock Technology' by UNIDO** (United Nations Industrial Development Organization), Vienna, Austria in 2003. He was deputed by UNIDO to visit and study over 25 Lock Factories in Germany, Switzerland, Spain, France, UK, Italy, Hongkong, China & Taiwan.

We have a wide network of Sales branches across India, Manufacturing units in Bhosari & Chakan (Pune) and Head Office in Bhosari, Pune.













Europa has been awarded the "G. S. Parkhe Industrial Merit Award" in the year 1990 and the "Hari Malini Joshi Award" in the year 1995, by MCCIA, PUNE for outstanding Product Design.

In the year 2015, Dr. P. A. Joshi, the Chairman of the company, was awarded the "Excellence in First Generation Entrepreneurship Award" by Entrepreneurs' International club of Pune.

PRODUCTS



 <p>PROTEKTO The Anti-Theft Solution</p>	 <p>PRO Main Door Lock</p>	 <p>HEXABOLT Main Door Lock</p>	
 <p>PARMA Main Door Lock</p>	 <p>MAIN DOOR LOCK</p>	 <p>NIGHT LATCH</p>	
 <p>DISC PADLOCK - 90/70mm</p>	 <p>DISC PADLOCK - P370 BI</p>	 <p>DIAMANT PADLOCK 65/58mm</p>	
 <p>FEATHER TOUCH CYLINDER LOCK</p>	 <p>JEMMY PROOF LOCK</p>	 <p>CENTRE SHUTTER LOCK</p>	
 <p>DRAWER / CUPBOARD LOCK</p>	 <p>EPSILON MORTISE CYLINDER</p>	 <p>DEAD LOCK</p>	 <p>ACCESS CONTROL SYSTEM</p>

	 <p>LOCK ASSEMBLY WITH KEYS 3+1 LIGHT KEYS</p>	 <p>ARMoured PLATE</p>
 <p>RECEPTACLE</p>	 <p>COVER RING</p>	 <p>STRENGTHENING PLATE</p>
 <p>RECEPTACLE TOP SCREW</p>	 <p>LOCK BODY TOP SCREW</p>	 <p>STRENGTHENING PLATE SCREW</p>
 <p>LOCK BODY FIXING SCREWS</p>	 <p>RECEPTACLE FIXING SCREWS</p>	 <p>FIXING PLATE & SCREWS</p>

PRECAUTIONS



- Follow the instructions and pictures carefully for the proper installation and smooth functioning of your lock.
- **Lock fitting should be done by the Europa Certified Technician only.**
- The company will not be responsible if the lock is damaged due to improper installation.
- Lock fitting screws are suitable for door up to 30 to 55 mm thick.
- **Do not insert any of the screws by hammering** which may damage your lock door; the company will not be responsible for such damages.
- Door stoppers should be fixed to avoid damage to the lock body, by fitting against the wall or any other object.
- Before lock fitting, always make sure that your door and its frame are in same level while in closed condition. The improper level will affect the smooth functioning of lock (company is not responsible for such cases)

INSTALLATION GUIDELINES AND SETUP

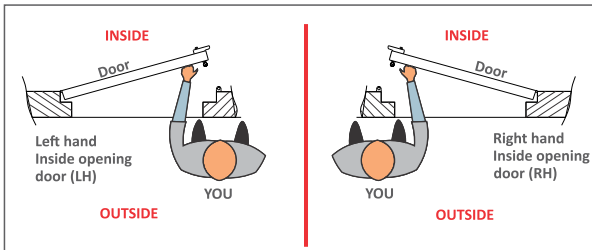
TOOLS REQUIRED

 Pencil	 Measuring Tape	 Tri Square	 Hand Drill	 Hand File
 Pointed Punch	 Hammer	 Hand Chisel	 Screw Driver	 Small Hacksaw

1. Installation Requirements

- 1.1) **Door Thickness Requirement**
- Suitable for 30 to 55 mm door thickness.
 - Suitable for inside opening door only.

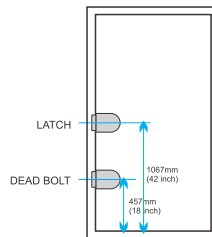
1.2) **Door Direction**



1.3) **Lock Installation Guideline**



Recommended for single door



INSTALLATION GUIDELINES AND SETUP



I. PREPARE THE DOOR

- 1) Confirm that door and frames are in same level.
- 2) Place 1st PROTEKTO Lock body (with Dead Bolt) on the inside panel of the door at the height of 18 inch (1.5 Feet) & Place 2nd PROTEKTO Lock body (with Latch Bolt) on the inside panel of the door at the height of 42 inch (3.5 Feet) from the floor.
- 3) Mark the straight horizontal line on the distance of 18 inch & 42 inch on door panel



Fig. 1 (L)



Fig. 1 (R)

- 4) Put lock installation Jig on the door with locating horizontal line and fix it on door at correct location as per procedure.
- 5) Fix the Jig on door on the given location with screw size 8 x 38mm.
- 6) Drill $\varnothing 3.5\text{mm}$ x 38 deep hole Qty. 3 Nos. on lock flap side.
- 7) Drill $\varnothing 2.5\text{mm}$ x 15 deep hole Qty. 4 Nos. for fixing plate fitment.
- 8) For Armoured plate fitment drill $\varnothing 6\text{mm}$ hole throughout - Qty. 2 Nos. at the marking of Armoured plate holes.
- 9) For lock case flap recess cutting to be done with a chisel (81 x 21 x 3.5mm in size)



Fig. 2 (L)



Fig. 2 (R)

- 10) Remove the Jig from the door by removing the fixing screw.
- 11) Flap recess to be cleaned and extra material to be removed from recess.
- 12) Make Armoured plate holes from front side of the door with a drill of $\text{Ø}14\text{mm} \times 5\text{mm}$ deep.
- 13) Make drilling at same hole location with $\text{Ø}10\text{mm}$ drill throughout.
- 14) Make a hole of $\text{Ø}30\text{mm}$ throughout with hole saw cutter for lock assembly fitment. (Fig. 2)

ii. LOCK ASSEMBLY INSTALLATION

- 15) Fix the fixing plate from inside of the door with ($\text{Ø}2.5 \times 15 \text{ mm}$)
- 16) Insert lock assembly with cover ring and Armoured plate through the $\text{Ø}30$ drilled hole from outside the door.
- 17) Refer Fig. 4(a), mark 8-10 mm (max) on the notch strip from the outer face of fixing plate from inside the door. Ref Fig. 4(a) & Fig. 4(b).
- 18) Refer Fig. 5, insert (2 nos) screws of $\text{Ø} 3/16'' \times 2''$ into lock assembly, measure & cut the extra length of screw with small hacksaw and remove burr with hand file.

INSTALLATION GUIDELINES AND SETUP

- 19) Refer Fig. 4(b), 4(a); remove the lock assembly and cut the marked extra length over the notch strip by Bolt Cutter.
- 20) Fix the lock assembly with Armoured plate in line with the fixing plate with 2 Nos screws of (3x16") Refer Fig.5.
- 21) Ensure Armoured plate sleeves get fitted in the door properly to accommodate lock screws from inner side.
- 22) Insert key in lock assembly and ensure its smooth rotation.



Fig. 3

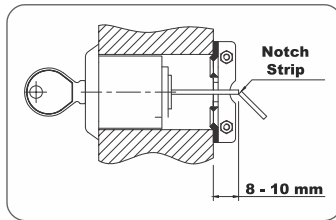


Fig. 4(a)



Fig. 4(b)



Fig. 5

iii. **LOCK BODY INSTALLATION**

- 23) Remove key from lock assembly
- 24) Align the cover plate crank bush slot with the arrow slot on cover plate. (Backside of the lock) Refer Fig. 6
- 25) Keep all deadbolts in unlocked condition.
- 26) Hold the lock body near the door surface. Insert the projected notch strip through the slot on crank bush of lock and fix the lock body to the door with 3 nos. Screws ($\varnothing 8 \times 38\text{mm}$) from flap side refer fig. 7.
- 27) After fixing of lock, ensure the smooth rotation of the key & deadbolt actuation.

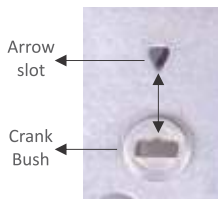


Fig. 6



Fig. 7

iv. **RECEPTACLE INSTALLATION**

- 28) By rotating the knob bring the deadbolt in lock-open position. Insert the receptacle.
- 29) Close the door along receptacle; keep the receptacle 2mm below the level of the lock body (deadbolt actuating gap) to prevent the tight operation of lock due to door sagging in the future.

INSTALLATION GUIDELINES AND SETUP



- 30) Mark outline of flange on the door frame with a pencil Refer Fig. 8
Remove the receptacle make recess of 3.2mm depth at marked area over the inside and door edge faces of the door frame. Refer Fig. 9
- 31) Mark the 4 screw holes with point punch by keeping the receptacle in the two recesses Drill ($\varnothing 4 \times 45$ mm deep). Make relief hole of 5.5mm x 13mm deep.
- 32) Fix the strengthening plate to the door frame by making hole $\varnothing 4 \times 70$ mm, 2 Nos. Make relief of $\varnothing 5.5$ mm x 25 mm deep.
- 33) Fix the receptacle to the door frame by 4 screws. (ensure receptacle remains flush to the door frame surface) Refer Fig. 10
- 34) Fix the top face screw with the hole of $\varnothing 4 \times 40$ mm.
- 35) Fix the 2nd lock on door with same procedure as like 1st lock. Only the height of 2nd lock will be at 42 inches from floor.



Fig. 8



Fig. 9



Fig. 10

- COVER THE KEY ENTRY HOLE WITH ADHESIVE TAPE TO PREVENT DUST ENTRY DURING RENOVATION WORK & INSTALLATION OF LOCK
- FOR PERIODIC CLEANING AND LUBRICATION OF LOCK ASSEMBLY USE 'ZORRIK88/WD40/CRC/RUSTLICK631'

DO NOT
USE OIL IN LOCK ASSEMBLY

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PROTEKTO[®]

THE ANTI THEFT SOLUTION

MAKES
YOUR
HOME
15 TIMES
SAFER



ANTIQUE BRASS (AB)



SATIN NICKEL (SN)



1. High security ANTI-THEFT lock design after extensive analysis of 500+ actual theft site visits; supported by in depth Research.
2. More than 50+BURGLARY TESTS conducted in controlled setup on actual doors to ensure product strength.
3. BREAKING FORCE of anti-theft solution is 15 TIMES more than ordinary main door lock.
4. Thicker "ANTI BEND" cover ring & fixing plate for extra strength of lock cylinder.
5. Armoured "ANTI BREAK" door protection plate enhances the strength of main door against crow bar attack.
6. Improved "ANTI-THEFT" Solid steel/brass dead bolts
7. Strengthening sandwich plate for lock body and receptacle for enhanced strength of the lock.
8. Thicker "ANTI TEAR" receptacle with flanging on hole to enhance breaking load to prevent breakage during burglary attempts.

Smart Plus Key



9. Bigger & thicker key with extended length; high precision machining with micron accuracy; to eliminate duplication. An ordinary identical dimple key without these floating balls cannot open this lock.
10. Precision machined lock assembly with 20 locking pins made with Swiss machine, and the presence of 2 FLOATING BALLS creates an "interlocking Mechanism", which provides an extremely high level of asecurity.
11. 5 Crore non-interchangeable key combinations.
12. "ANTI-THEFT" STRENGTHENING PLATE which enhances the strength of wooden door frame to prevent theft/burglary.
13. Specially designed heavy duty "ANTI RIP" SCREWS to enhance strength.
14. Anti-burglary insurance worth Rs. 15 Lakhs.
15. Free security audit and consultation based on extensive analysis of 500+ actual theft site visits, numerous Theft Tests and Anti-Theft locks fitment by Europa certified technicians.



PROTEKTO®

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EUROPA
ANTI-THEFT ENGINEERING

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