

EUROPA[®]

ANTI-THEFT ENGINEERING

HEXABOLT[®]

6 TIMES STRONGER



INDIA'S
STRONGEST

and
MOST SECURE LOCK

withstands
3 TONS LOAD

WITH MORTISE
HANDLE

USER MANUAL

WITH WARRANTY CERTIFICATE

WELMADE LOCKING SYSTEMS PRIVATE LIMITED

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COMPANY PROFILE



Our Mission : "ANTI-THEFT ENGINEERING"

Our Vision : "We shall be a Global Provider of customized 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 Private Limited 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 over 400 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 Registration.

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 MCCA, 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.

 <p>LOCKABLE KNOB</p> <p>LATCH BOLT</p> <p>DEAD BOLT</p> <p>FLAP</p> <p>BOX ASSEMBLY (1 Nos) [LOCK BODY]</p>	 <p>RECEPTACLE (1 Nos)</p>	 <p>*PLATE HANDLE (1 Nos)</p>	
 <p>LOCK ASSEMBLY WITH KEYS (3+1 LIGHT KEYS NOS)</p>	 <p>STRENGTHENING PLATE (1 Nos)</p>	 <p>SQUARE ROD (1 Nos)</p>	 <p>FIXING PLATE (1 Nos)</p>
 <p>LOCK BODY & RECEPTACLE FLAP SIDE FIXING SCREWS (8 Nos.)</p>	 <p>STRENGTHENING PLATE FIXING SCREWS (4 Nos.)</p>	 <p>FIXING PLATE FIXING SCREWS (4 Nos.)</p>	 <p>PLATE HANDLE FIXING SCREWS (4 Nos.)</p>
 <p>LOCK BODY & RECEPTACLE FIXING SCREWS (4 Nos.)</p>	 <p>LOCK ASSEMBLY FIXING SCREWS (2 Nos.)</p>	 <p>USER MANUAL (1 Nos.)</p>	<p>*Handle designs are subject to change without prior intimation.</p>

FEATURES & PRECAUTIONS



Features

1. Hexabolt lock, an extra strong high security door lock with 5 times strong & 25mm projected bolts gives maximum safety from crowbar attack
2. Bigger & thicker key with extended length; high precision machining with micron accuracy; to eliminate duplication. An ordinary identical simple key without these floating balls can't open this lock
3. Precision machined lock assembly with 20 locking pins made with Swiss machine, & the presence of 2 FLOATING BALLS creates an "interlocking Mechanism" which provides an extremely high level of security.
4. 5 Crore non-interchangeable key combinations.
5. "ANTI THEFT STRENGTHENING PLATE" which enhance the strength of wooden door frame to prevent theft/ burglary
6. Thicker "ANTI TEAR" receptacle with flanging on hole to enhance breaking load to prevent breakage during burglary attempts.
7. Hexabolt lock kit is available in Gold, Rose Gold & Gun Black PVD finishes as well as Antique Brass finish & Satin Nickel Plating with improved anti rust life.
8. Special Receptacle are needed for outside opening door.
9. Suitable for inside/Outside opening doors (Left/Right Side opening)

Precautions

- Follow the instructions and pictures carefully for the proper installation and smooth functioning of your lock.
- **Lock fitting should be done by an Certified Europa Technician only.**
- The company will not be responsible if the lock is damaged due to improper installation.
- Screws given in package are suitable for door of 30 mm to 55 mm thickness.
- **Do not insert any of the screws by hammering them.** They will not withstand the crowbar attack on your lock and door, The company will not be responsible for such damages.
- Before lock fitment 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 in such case).

- **DOOR STOPPERS SHOULD BE FIXED TO AVOID DAMAGE TO THE LOCK BODY WHEN IT HITS AGAINST THE WALL OR ANY OTHER OBJECT.**

- **USE HANDLE FOR LATCH OPERATION ONLY & KEY FOR DEADBOLT LOCKING.**

- **DURING RENOVATION WORK COVER THE KEY HOLE WITH ADHESIVE TAPE TO PREVENT ENTRY OF DUST, PAINT AND ANY OTHER FOREIGN PARTICLES.**

- **FOR PERIODIC CLEANING AND LUBRICATION OF LOCK ASSEMBLY USE BELOW RECOMMENDED PRODUCT "ZORRIK 88/WD40/RUSTLICK631"**

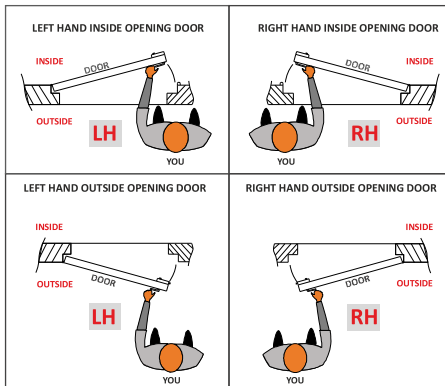
DO NOT USE OIL IN LOCK ASSEMBLY

Installation requirements

Door Thickness Requirement

- Suitable for 30 to 55 mm door thickness.
- Suitable for Inside/ Outside opening doors.
- HL - RH for Right hand door.
- HL - LH for Left hand door.

Door Direction



Tools Required



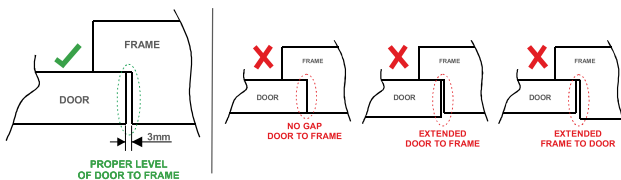
INSTALLATION GUIDELINES & SETUP



HEXABOLT LOCK LATCH BOLT (MODEL – H947, H948, H967, H968)

PREPARE THE DOOR

- 1) Confirm that door and frame surface are in same level



- 2) Place your HEXABOLT lock body on the inside panel of the door at your desired height. (39" height from the floor recommended)
- 3) Mark the outline of the flap on the side face of the door with pencil, Ref Fig. 1 (L) & Fig. 1(R).



Fig.1(L)



Fig.1(R)

- 4) Make 2mm deep recess of "158x21mm".
- 5) Once the recess is made ensure that the flap of your HEXABOLT lock remains flush with the surface of the door edge. (check it by keeping your HEXABOLT lock in the recess).
- 6) Fold the marker along the dotted line and place the shorter side of the marker in the recess.
- 7) Mark the hole centres A, B, C, D, E, F on the door panel with a pointed punch. Ref Fig. 2(L) & Fig. 2(R).
- 8) Now remove the marker and make 4 holes of $\varnothing 2.5 \times 15$ mm deep at 4 locations of "C".
- 9) Make 3 through holes of $\varnothing 6$ at location "A" & "D".



Fig. 2 (L)



Fig. 2 (R)

- 10) At location "D" make a chamfer of $\phi 11 \times 90^\circ$.
- 11) At location "A" enlarge the through hole of $\phi 6\text{mm}$ to $\phi 17\text{mm}$.
- 12) Make a counter hole of 29mm up to 19mm depth at location "A" from the outside of door.
- 13) Make 7 holes of $\phi 3.5 \times 25\text{mm}$ deep from inside of the door at location "B".
- 14) Drill a through hole of $\phi 17\text{mm}$ at location "E".
- 15) Secure the fixing plate from inside the door with ($\phi 7 \times 20\text{mm}$) wood screws.

PROCEDURE FOR FITTING OF PLATE HANDLE, LOCK & KEY ASSEMBLY

- 16) Drill 4 nos through holes of $\phi 6\text{mm}$ at location "F"..
- 17) Insert the lock assembly & Square Rod in plate handle and keep the handle at it's desired position on the door. Ref. Fig. 3.
- 18) Mark 8-10mm (max) on Notch strip and Square Rod from outer face of fixing plate. Ref Fig. 4(a) & Fig. 4(b).
- 19) Insert screws $3/16" \times 2"$ in to lock assembly and measure its extra length.
- 20) Remove the screws $3/16" \times 2"$ and cut the extra length from marked bottom side.



Fig.3

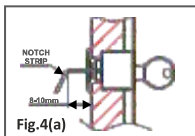


Fig.4(a)

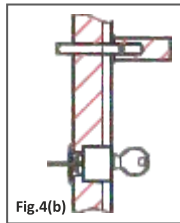


Fig.4(b)

INSTALLATION GUIDELINES & SETUP



- 21) Cut the extra length of Notch strip Ref Fig. 4(c) & Square Rod Ref Fig. 4(d) with Bolt cutter. {Note:- Follow the instructions over the Square Rod for cutting Ref Fig. 4(e)}.



Fig.4(c)



Fig.4(d)



Fig.4(e)

- 22) Remove the burr over the screws of (3/16"x2"), Notch strip & Square Rod with hand file.
- 23) Fix the Plate Handle with help of 4 Nos. screws (M5) with washers from inside of the door.
- 24) Fix the Lock Assembly along with the fixing plate with two (3/16") screws Ref Fig. 5.
- 25) Cover-up the screw head with the caps, provided along with the packed.
- 26) Insert the Key in Lock Assembly and confirm its free rotation.
- 27) Remove key and Align the Notch Strip crank bush slot Fig. 6(a) & Square Rod slot Fig. 6(b) to the slot on cover plate (back side of the lock).
- 28) Keep all Deadbolts inside the lock body.
- 29) Insert the Notch Strip & Square Rod through it's desired slot on crank bush of lock and fix the lock body to the door with 4 Nos. screws of (8x32mm) from flap side and 3 Nos. screws of (8x55mm) from front face of lock body Ref Fig. 7(L) & Fig. 7(R).
- 30) Ensure the smooth rotation of the key.



Fig.5



Fig.6(a)



Fig.6(b)



Fig.7(L)



Fig.7 (R)

STRENGTHENING PLATE & RECEPTACLE FITMENT FOR INSIDE OPENING DOOR

- 31) Actuate the Deadbolts out and insert the Receptacle to the Deadbolts.
- 32) Close the door to the door frame along with the Receptacle and mark its outline on the Frame. Ref Fig. 8.

- 33) Keep the Receptacle top surface 2mm below the lock body to prevent the lock operation tightness when the door will sag in future.
- 34) Mark all 5 Nos. screw centres (4 Nos. on side & 1 No. on front face). Ref Fig. 9.
- 35) Remove the Receptacle & drill 5 holes of ($\phi 3.5 \times 25$ mm).
- 36) Place the Strengthening plate on door frame by keeping flat face towards you and match the centre of the half circular cut on plate with centre hole on Receptacle ($\phi 3.5 \times 25$ mm approximately) Ref Fig. 10.



Fig.8



Fig.9

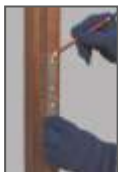


Fig.10

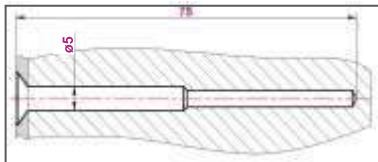


Fig.11



Fig.12

- 37) Mark 4 Nos. holes of the strengthening plate on the face of door frame. Drill the 4 holes with $\phi 4$ mm drill up to 70mm depth. Then drill hole of $\phi 5$ up to 35mm depth & fix the strengthening plate with 4 long screws Ref Fig. 11.
- 38) Screw up the Receptacle over the strengthening plate. Ref Fig. 12.



STRENGTHENING PLATE
FIXING SCREW ($\phi 5 \times 75$ mm)
4Nos.

RECEPTACLE FITMENT FOR OUTSIDE OPENING DOOR

- 39) Keep the Receptacle over the fixed door frame and mark the outline of the Receptacle including the Deadbolt guiding holes & screw holes.
- 40) The marking of Receptacle to be done in such a way that the lock Deadbolt (already fitted over the door) has to match with the receptacle Deadbolt guiding holes for the proper functioning of lock after fitment.

INSTALLATION GUIDELINES & SETUP



- 41) Keep the Receptacle top surface 2mm below the lock body top surface to prevent the lock operation tightness when the door will sag in future.42) Remove the Receptacle after marking and make a recess of 210x40x2mm and cavity for Dead bolts on the marking area over the wood frame.
- 42) Drill 3 Nos. screw holes of (ϕ 3.5x25mm).
- 43) Screw up the Receptacle.

LEFT HAND SIDE
SECEPTACLE

Fig. 13



RIGHT HAND SIDE
SECEPTACLE

Fig. 14



FINAL CHECKING OF LOCK OPERATION

- 44) Insert key, rotate and check whether the lock operates smoothly. The Deadbolts and the Latch bolt should slide smoothly in Receptacle. Also rotate the knob from inside and check whether the lock operates smoothly from inside.
- 45) The full round clockwise key rotation from outside of door makes the Deadbolts to go fully inside the lock body and again a quarter rotation makes the Latch to retract so that your door can be opened.
- 46) The anti-clockwise full round key rotation from outside door makes the Deadbolts to come fully outside the lock body so that your door is locked.



RIGHT HAND SIDE
(INSIDE DOOR VIEW)
Fig. 15



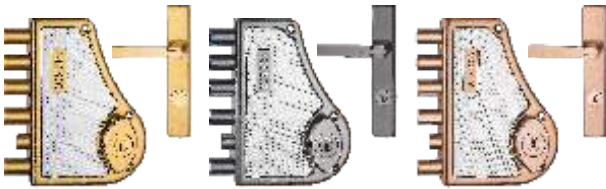
RIGHT HAND SIDE
(OUTSIDE DOOR VIEW)
Fig. 16



LEFT HAND SIDE
(OUTSIDE DOOR VIEW)
Fig. 17



LEFT HAND SIDE
(INSIDE DOOR VIEW)
Fig. 18



GL : GOLD

GB : GUN BLACK

RG : ROSE GOLD



SN : SATIN NICKEL

AB : ANTIQUE BRASS



OUR HIGH QUALITY PRODUCTS

				
	MAIN DOOR LOCK	JEMMY PROOF	NIGHT LATCH	DRAWER CUPBOARD LOCK
				
CENTER SHUTTER LOCK	DISC PAD LOCK	DISC PAD LOCK	DIMANT LOCK	CYLINDRICAL LOCK
				
	PROTEKTO	HEXABOLT	MORTISE LOCK	
				
CYLINDRICAL LOCK	PRO MAIN DOOR LOCK	PARMA	P990 DISC P[AD LOCK	
				
	PULL HANDLE		TOWER BOLT	
				
			HINGES	

- Images shown are for representation purpose, actual images may vary
- Specification may change in view of continuous development
- *FFS available at selected serviceable area • FFS not applicable for purchased through e-commerce platforms.

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ANTI-THEFT ENGINEERING

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