



ENGLISH

## Datasheet



## KEY FEATURES

- Solid aluminium core with steel plastic covered shackle for best physical strength
- Body and shackle insulated against electric shock
- NANO-PROTECT™ shackle for superior corrosion resistance
- Intrinsically safe, key retaining
- Automatic locking for user convenience
- Compact and lightweight
- High precision 6-pin cylinder for better tamper resistance





# 74 NON-CONDUCTIVE SERIES

ENGLISH



## AVAILABLE SIZES



38mm Width  
74/40



38mm Width  
74/76

## AVAILABLE COLOURS





# 74 SERIES - LOCK OUT, TAG OUT

ENGLISH

## The World's Best Safety Padlock

Insulated steel shackle - anti electric shock

Key retaining - can't be unlocked by accident

FDA approved lubricant - can be used in food preparation areas

Shipped with LOTO labels

Laser engraving available

KD, KA, KA custom & MK options

Available in 4 clearly different colours



Keyed alike versions available



Master keyed versions available



Intrinsically safe, key retaining



Impact tested to -40°C



Highly corrosion resistant due to surface cathodic protection



Body & shackle insulated against electric shock



Compact and lightweight



High precision 6-pin cylinder for better tamper resistance



Automatic locking for user convenience



Solid aluminium core with steel shackle for best physical strength



# LEGAL REQUIREMENTS FOR LOCKOUT PROCEDURES IN DIFFERENT COUNTRIES



## European Union:

Adapted from the Maastricht Treaty, Article 118a forms the basis for working condition improvements and regulates overall minimum requirements on which further guidelines have emerged. EU Guideline 89/655/EEC outlines the minimum regulations for the safety and protection of employees when servicing industrial equipment, for instance the isolation of equipment from all possible energy sources in case of maintenance for safety reasons. European Standards like IEC ISO 12100 Safety on machinery and EN 1037 Prevention of unexpected start up lay out appropriate measures to prevent machinery in cases of maintenance from accidental starting.



## Austria:

The Federal Act on Occupational Health and Safety (AschG- Arbeitnehmerinnenschutzgesetz) as well as the Federal Ordinance on Work Equipment and Tools (AMVO- Arbeitsmittelverordnung) specify the protection of employees while using work equipment and transferred EU Guideline 89/655/EEC into Austrian legislation.



## France:

The French Standard "Recueil d'instruction générales des sécurité d'électrique" former UTE C18-510, current NF C18-510 regulates the lockout of apparatus for service and maintenance for electrical applications. Accordingly, lockout comprises all necessary procedures to ensure that the equipment is placed and maintained in a safe position, that its activation is prevented and that the isolated equipment is labelled with a clear reference not to operate.



## Germany:

The German Ordinance on Industrial Safety and Health (BetrSichV - Betriebssicherheitsverordnung) specifies that work equipment controls must be secured against unintentional or unauthorised actuation and that modification, maintenance or repair operations can only be carried out when the work equipment is shut down. The work equipment and all its moving parts must be protected against accidental start and movement. Obligatory regulations of the German Social Accident Insurance Institutions like TRBS, BGR, BGI and BGI form valid safety accident prevention guidelines and specify lockout procedures for different occupations like crane operation or chemical engineering.



## Italy:

Italian legislation with its "Direttiva 2001/45/CE del Parlamento europeo e del Consiglio del 27 giugno 2001 che modifica la direttiva 89/655/CEE" concerns the minimum safety and health requirements for the use of equipment by workers.



## Spain:

The Spanish Directive "Real Decreto número 1215/1997, por el que se establecen las disposiciones mínimas de seguridad y salud para la utilización por los trabajadores de los equipos de trabajo" states the minimum safety and health for workers' use of work equipment.



## Switzerland:

Different Swiss Directives like the Federal Law on Accident Insurance (UVG - Bundesgesetz über die Unfallversicherung), the Regulation on the Prevention of Accidents and Occupational Diseases (VUV- Verordnung über die Verhütung von Unfällen und Berufskrankheiten) and EKAS Guideline No. 6512 (Arbeitsmittel-Richtlinie) clearly stipulate that during maintenance, adjusting or cleaning of the equipment, it has to be in a non-operative state and appropriate devices have to be used to ensure that, for example, a machine is not accidentally switched on.



## United Kingdom:

The British Standard No. 857671:2008, Provision of Work Equipment Regulations, Regulation 19, Isolation from Sources of Energy states that "every employer shall ensure, that where appropriate, work equipment is provided with suitable means to isolate it from all its sources of energy. Every employer shall take appropriate measures to ensure that reconnection of any energy source to work equipment does not expose any person using the equipment to any risk to his health or safety".

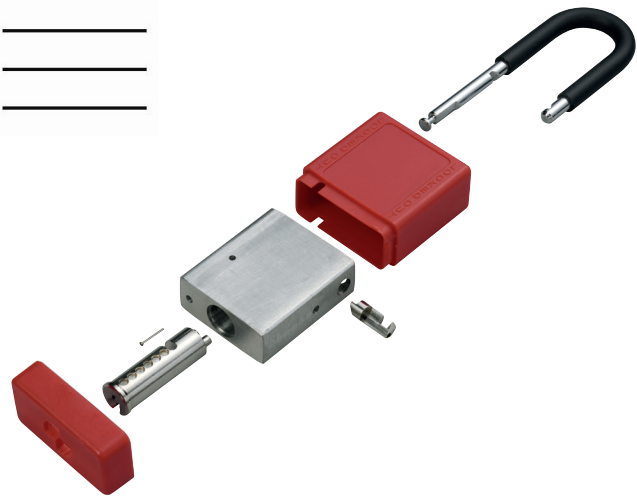
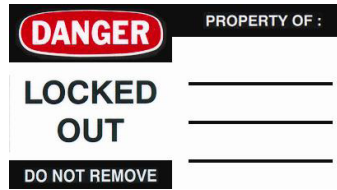


## United States of America:

The OSHA Regulation (OSHA- Occupational Safety & Health Administration) 1910.147 "The Control of Hazardous Energy (Lockout/Tagout)" states that it "requires employers to establish a program and utilize procedures for affixing appropriate lockout or tagout devices to energy isolating devices and to otherwise disable machines or equipment to prevent unexpected energization, start up or release of stored energy in order to prevent injury to employees".

**LOCKOUT is obligatory in the USA and some EU countries and considered to be best practice all over the world to prevent occupational injuries.**

# SAFETY AT WORK



Each year in the United States, approximately one in 5,400 workers faces a fatal industrial accident due to the improper use of machinery maintenance procedures.

Industrial machinery maintenance is a task that should never be taken lightly. It only takes seconds for a worker to be fatally harmed by machines made to crush, melt or bend large amounts of material. Fire, explosions, exposure to toxic chemicals or falling debris also pose serious potential risks in an industrial production environment.

Around **4,600 lives** are **lost** at work every year in the United States, around **670** in Germany. Additionally, around **2.8 million** (USA) and **over 1 million** (Germany) work injuries occur every year. Frightening numbers, especially since many of these accidents could be avoided if work spaces were clearly secured by the staff.

The intent of Lockout/Tagout is to prevent unexpected or unplanned reactivation of machinery and thus harm to the employee.

- Lockout: Placement of a lock on the energy disconnect
- Tagout: Placement of an information tag on the energy disconnect

ABUS offers a wide range of appropriate safety padlocks comprising lightweight, non-corrosive, non-conductive, spark resistant, coloured and inscribable locks.