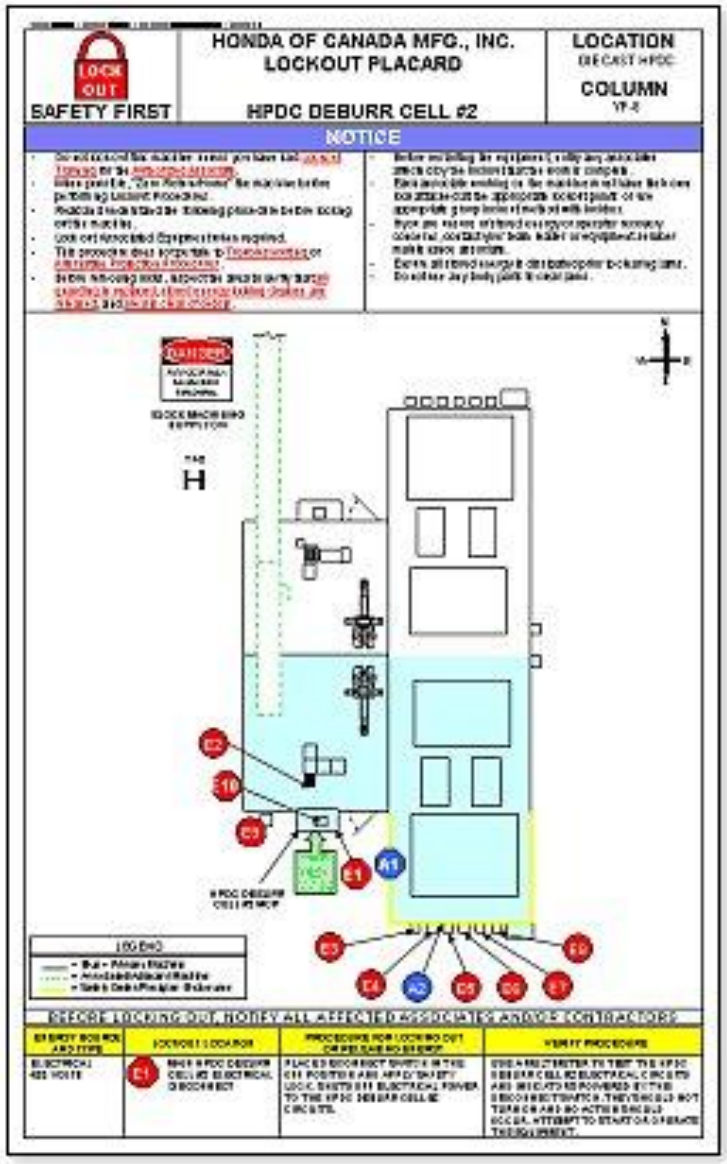
MIIA

Nonprofit
Locally based
Member driven

Serving Massachusetts communities since 1982

LOTO Solutions

ENERGY SOURCE		ENERGY SOURCE	
	ELECTRICAL 480 VAC		PNEUMATIC
	WATER		NATURAL GAS
	CHEMICAL Or COOLANT		HYDRAULIC
	STEAM		MECHANICAL



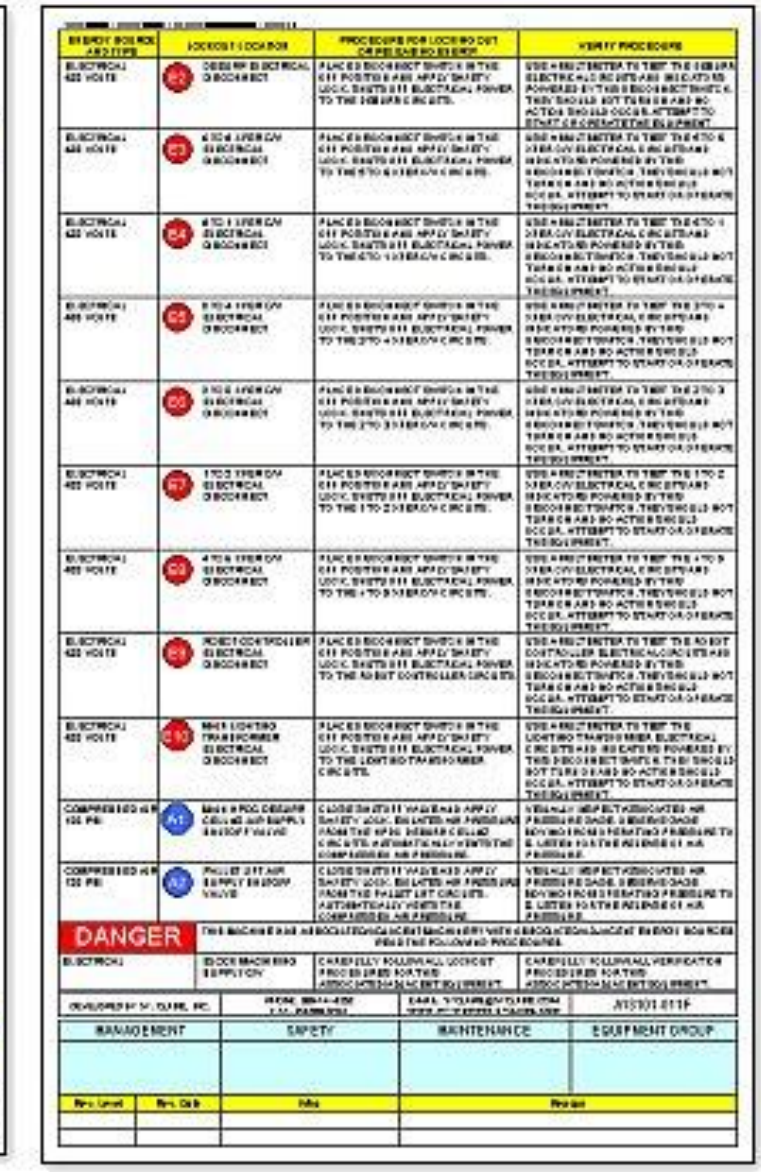
HONDA OF CANADA MFG., INC.
LOCKOUT PLACARD

LOCATION
DIECAST HPDC
COLUMN

SAFETY FIRST

HPDC DEBURR CELL #2

NOTICE



ENERGY SOURCE AND TYPE	LOCKOUT LOCATION	PROCEDURE FOR LOCKING OUT OR REMOVING ENERGY	VERIFY PROCEDURE
ELECTRICAL 480 VOLTS	DEBURR ELECTRICAL DISCONNECT	PLACE DISCONNECT SWITCH IN THE OFF POSITION AND APPLY SAFETY LOCK. ENSURE ALL ELECTRICAL POWER TO THE DEBURR CIRCUITS.	USE A MULTIMETER TO TEST THE DEBURR ELECTRICAL CIRCUITS AND INDICATORS POWERED BY THIS DISCONNECT SWITCH. THEY SHOULD NOT TURN ON AND NO ACTION SHOULD OCCUR. ATTEMPT TO START OR OPERATE THE EQUIPMENT.
ELECTRICAL 480 VOLTS	E2 4160 V OVERLAY ELECTRICAL DISCONNECT	PLACE DISCONNECT SWITCH IN THE OFF POSITION AND APPLY SAFETY LOCK. ENSURE ALL ELECTRICAL POWER TO THE 4160 V OVERLAY CIRCUITS.	USE A MULTIMETER TO TEST THE 4160 V OVERLAY ELECTRICAL CIRCUITS AND INDICATORS POWERED BY THIS DISCONNECT SWITCH. THEY SHOULD NOT TURN ON AND NO ACTION SHOULD OCCUR. ATTEMPT TO START OR OPERATE THE EQUIPMENT.
ELECTRICAL 480 VOLTS	E3 4160 V OVERLAY ELECTRICAL DISCONNECT	PLACE DISCONNECT SWITCH IN THE OFF POSITION AND APPLY SAFETY LOCK. ENSURE ALL ELECTRICAL POWER TO THE 4160 V OVERLAY CIRCUITS.	USE A MULTIMETER TO TEST THE 4160 V OVERLAY ELECTRICAL CIRCUITS AND INDICATORS POWERED BY THIS DISCONNECT SWITCH. THEY SHOULD NOT TURN ON AND NO ACTION SHOULD OCCUR. ATTEMPT TO START OR OPERATE THE EQUIPMENT.
ELECTRICAL 480 VOLTS	E4 2300 V OVERLAY ELECTRICAL DISCONNECT	PLACE DISCONNECT SWITCH IN THE OFF POSITION AND APPLY SAFETY LOCK. ENSURE ALL ELECTRICAL POWER TO THE 2300 V OVERLAY CIRCUITS.	USE A MULTIMETER TO TEST THE 2300 V OVERLAY ELECTRICAL CIRCUITS AND INDICATORS POWERED BY THIS DISCONNECT SWITCH. THEY SHOULD NOT TURN ON AND NO ACTION SHOULD OCCUR. ATTEMPT TO START OR OPERATE THE EQUIPMENT.
ELECTRICAL 480 VOLTS	E5 2300 V OVERLAY ELECTRICAL DISCONNECT	PLACE DISCONNECT SWITCH IN THE OFF POSITION AND APPLY SAFETY LOCK. ENSURE ALL ELECTRICAL POWER TO THE 2300 V OVERLAY CIRCUITS.	USE A MULTIMETER TO TEST THE 2300 V OVERLAY ELECTRICAL CIRCUITS AND INDICATORS POWERED BY THIS DISCONNECT SWITCH. THEY SHOULD NOT TURN ON AND NO ACTION SHOULD OCCUR. ATTEMPT TO START OR OPERATE THE EQUIPMENT.
ELECTRICAL 480 VOLTS	E6 1700 V OVERLAY ELECTRICAL DISCONNECT	PLACE DISCONNECT SWITCH IN THE OFF POSITION AND APPLY SAFETY LOCK. ENSURE ALL ELECTRICAL POWER TO THE 1700 V OVERLAY CIRCUITS.	USE A MULTIMETER TO TEST THE 1700 V OVERLAY ELECTRICAL CIRCUITS AND INDICATORS POWERED BY THIS DISCONNECT SWITCH. THEY SHOULD NOT TURN ON AND NO ACTION SHOULD OCCUR. ATTEMPT TO START OR OPERATE THE EQUIPMENT.
ELECTRICAL 480 VOLTS	E7 4160 V OVERLAY ELECTRICAL DISCONNECT	PLACE DISCONNECT SWITCH IN THE OFF POSITION AND APPLY SAFETY LOCK. ENSURE ALL ELECTRICAL POWER TO THE 4160 V OVERLAY CIRCUITS.	USE A MULTIMETER TO TEST THE 4160 V OVERLAY ELECTRICAL CIRCUITS AND INDICATORS POWERED BY THIS DISCONNECT SWITCH. THEY SHOULD NOT TURN ON AND NO ACTION SHOULD OCCUR. ATTEMPT TO START OR OPERATE THE EQUIPMENT.
ELECTRICAL 480 VOLTS	E8 ROBOT CONTROLLER ELECTRICAL DISCONNECT	PLACE DISCONNECT SWITCH IN THE OFF POSITION AND APPLY SAFETY LOCK. ENSURE ALL ELECTRICAL POWER TO THE ROBOT CONTROLLER CIRCUITS.	USE A MULTIMETER TO TEST THE ROBOT CONTROLLER ELECTRICAL CIRCUITS AND INDICATORS POWERED BY THIS DISCONNECT SWITCH. THEY SHOULD NOT TURN ON AND NO ACTION SHOULD OCCUR. ATTEMPT TO START OR OPERATE THE EQUIPMENT.
ELECTRICAL 480 VOLTS	E10 MAIN LIGHTING TRANSFORMER ELECTRICAL DISCONNECT	PLACE DISCONNECT SWITCH IN THE OFF POSITION AND APPLY SAFETY LOCK. ENSURE ALL ELECTRICAL POWER TO THE LIGHTING TRANSFORMER CIRCUITS.	USE A MULTIMETER TO TEST THE LIGHTING TRANSFORMER ELECTRICAL CIRCUITS AND INDICATORS POWERED BY THIS DISCONNECT SWITCH. THEY SHOULD NOT TURN ON AND NO ACTION SHOULD OCCUR. ATTEMPT TO START OR OPERATE THE EQUIPMENT.
COMPRESSED AIR 120 PSI	A1 MAIN HPDC DEBURR CELL #2 AIR SUPPLY SHUTOFF VALVE	CLOSE ON SHUT VALVE AND APPLY SAFETY LOCK. ISOLATES AIR PRESSURE FROM THE HPDC DEBURR CELL CIRCUITS. AUTOMATICALLY VENTS THE COMPRESSED AIR PRESSURE.	VISUALLY INSPECT INDICATED AIR PRESSURE GAUGE. OBSERVE GAUGE MOVING FROM OPERATING PRESSURE TO 0. LISTEN FOR THE RELEASE OF AIR PRESSURE.
COMPRESSED AIR 120 PSI	A2 PALLET LIFT AIR SUPPLY SHUTOFF VALVE	CLOSE ON SHUT VALVE AND APPLY SAFETY LOCK. ISOLATES AIR PRESSURE FROM THE PALLET LIFT CIRCUITS. AUTOMATICALLY VENTS THE COMPRESSED AIR PRESSURE.	VISUALLY INSPECT INDICATED AIR PRESSURE GAUGE. OBSERVE GAUGE MOVING FROM OPERATING PRESSURE TO 0. LISTEN FOR THE RELEASE OF AIR PRESSURE.

DANGER

ELECTRICAL	ROBOT MACHINE SUPPLY DISCONNECT	CAREFULLY FOLLOW ALL LOCKOUT PROCEDURES FOR THE ASSOCIATED MACHINE DISCONNECT.	CAREFULLY FOLLOW ALL VERIFICATION PROCEDURES FOR THE ASSOCIATED MACHINE DISCONNECT.

DEVELOPED BY: M. CLARK, IRC	WORK GROUP: [illegible]	EMAIL: [illegible]	APPROVED BY:

MANAGEMENT	SAFETY	MAINTENANCE	EQUIPMENT GROUP

Rev. Level	Rev. Date	Who	Revision

BRADY LOCKOUT TAGOUT PROCEDURE
SAMPLE

Developed by	Reviewed by	Revised by
BRADY	BRADY	

Description: Boiler #1			Equipment #	160-0012
Location: Boiler Room	Bldg: GHO	Revn: 0	Date: N/A	Origin Date: 9/3/08

4 LOCKS & TAGS NEEDED

DANGER
Steam pressure and burn hazard. Ensure steam and heat have dissipated before proceeding.

NEXT AUDIT DUE SEP 2009 | NEXT AUDIT DUE SEP 2010 | NEXT AUDIT DUE SEP 2011 | NEXT AUDIT DUE SEP 2012

North Wall

South Side View

North West Side View

ALWAYS PERFORM A MACHINE STOP BEFORE LOCKING OUT DISCONNECTS

ID	Source	Location	Method	Check	Device
E-1	Electrical 480V	Disconnect located at the MCC located on North Wall	Move E-1 disconnect to off. Lock out.	Attempt restart at CP-1.	Lockout Hasp and Lock
W-1	Hot Water Supply	Disconnect Above the Boiler. Valve on West Side.	Turn W-1 valve off. Lock out.	Verify pressure has bled off.	Cable Lockout
W-2	Hot Water Return	Disconnect Above the Boiler. Valve on West Side.	Turn W-2 valve off. Lock out.	Verify pressure has bled off.	Cable Lockout
G-1	Gas Natural Gas	Disconnect on West side of Boiler unit.	Turn G-1 valve off. Lock out.	Verify pressure has bled off.	Universal Ball Valve Lockout

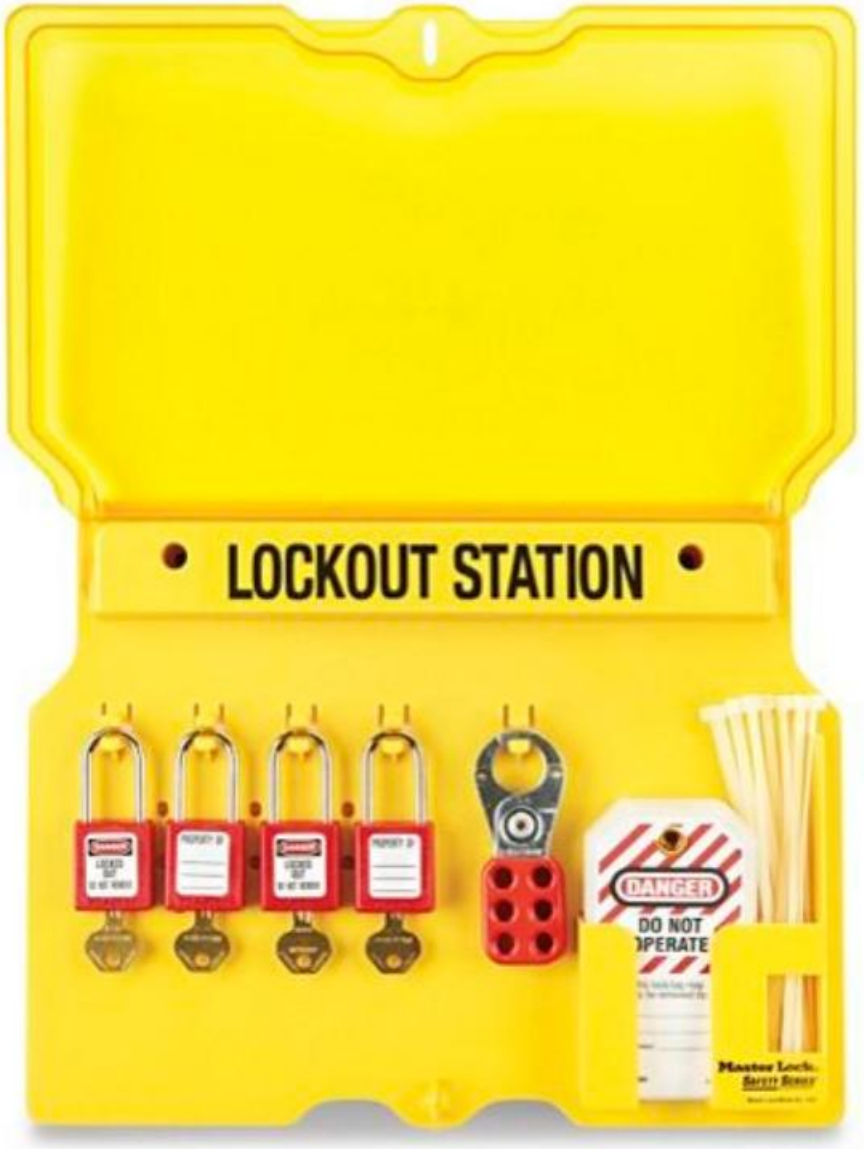
CP = CONTROL PANEL | E = ELECTRICAL | W = WATER | P = PNEUMATIC | C = CHEMICAL | V = VALVE | G = GAS | S = STEAM

OPENING A GUARD DOES NOT CONSTITUTE A LOCKOUT!

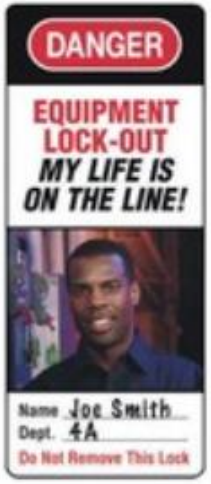
DANGER Any machine modifications must be shown in procedure. Contact facilities to update procedure DANGER

BRADY ***Safety Is Your Responsibility!*** 800-496-4040


Master
SAFETY SERIES
Lock
DANGER


LOCKOUT STATION
DANGER
DO NOT
PERATE


DANGER
LOCKED
OUT
DO NOT REMOVE
Master


DANGER
EQUIPMENT
LOCK-OUT
MY LIFE IS
ON THE LINE!
Name Joe Smith
Dept. 4A
Do Not Remove This Lock


DANGER
EQUIPMENT
LOCK-OUT
MY LIFE IS
ON THE LINE!
Master

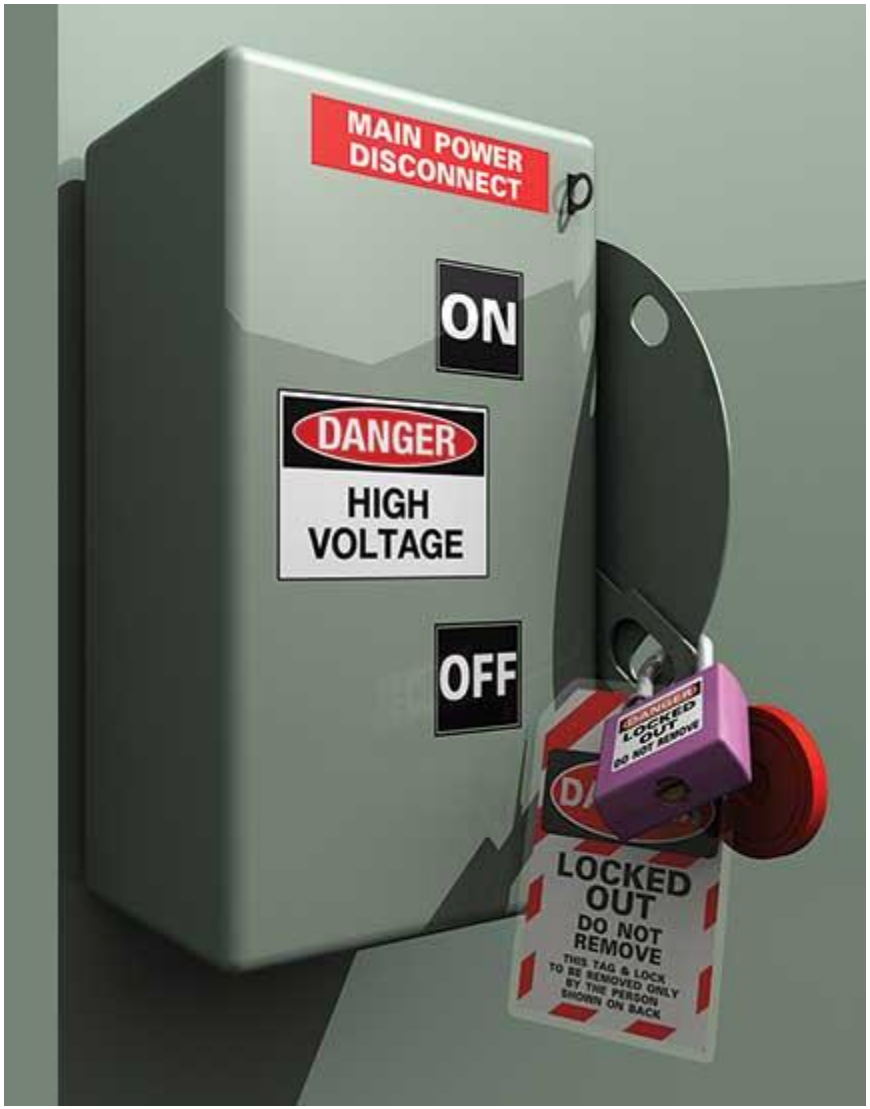

DANGER
DO NOT OPERATE
EQUIPMENT LOCK-OUT
THIS TAG AND LOCK TO BE REMOVED ONLY BY:
NAME _____
DATE _____
LOCK-OUT PROCEDURES
1. IDENTIFY the types of energy sources used, potential hazards, & all control devices.
2. NOTIFY all affected employees.
3. TURN-OFF all operating controls.
4. LOCATE all energy sources.
5. ISOLATE all energy sources by blocking, bleeding & venting stored energy as found in springs, hydraulic systems, & pneumatic systems.
6. LOCK OUT all switches and energy controls in the 'OFF' or 'SAFE' position.
7. TEST by putting all the operating controls in the 'ON' position. Be sure nobody can get hurt before testing.
8. RETURN all operating controls to the 'OFF' position.
9. PERFORM required task.
10. REMOVE your lock-out device only after the equipment is fully assembled & all affected employees have been notified.


DO NOT
PLUG IN
NO
CONECTAR
USE THIS LOCKOUT DEVICE WITH A SECURE PADLOCK
UTILICE ESTE DISPOSITIVO DEL CIERRE CON UN CANDADO SEGURO
Label P/N Y879537
Rev A
DANGER
LOCKED
OUT
DO NOT REMOVE


Master


DANGER
DO NOT
OPERATE
EQUIPMENT
LOCKED OUT
SIGNED
DATE


OFF
DANGER
DO NOT OPERATE
This lock/tag may only be removed by:
Name
Date
BRADY #65520 BRADYID.COM


MAIN POWER DISCONNECT
ON
DANGER
HIGH VOLTAGE
OFF
DANGER
LOCKED OUT
DO NOT REMOVE
LOCKED OUT
DO NOT REMOVE
THIS TAG & LOCK TO BE REMOVED ONLY BY THE PERSON SHOWN ON BACK


LOCK B
LOCK OUT
FOR SAFETY
BRADY BRADYID.COM
DANGER
LOCKED
OUT
DO NOT REMOVE


OFF
DANGER
DO NOT
OPERATE


OFF
DANGER


DANGER
LOCKED OUT
DO NOT REMOVE


DANGER
DO NOT
OPERATE
EQUIPMENT
LOCKED OUT
www.zinggreenproducts.com
ZING
#7105

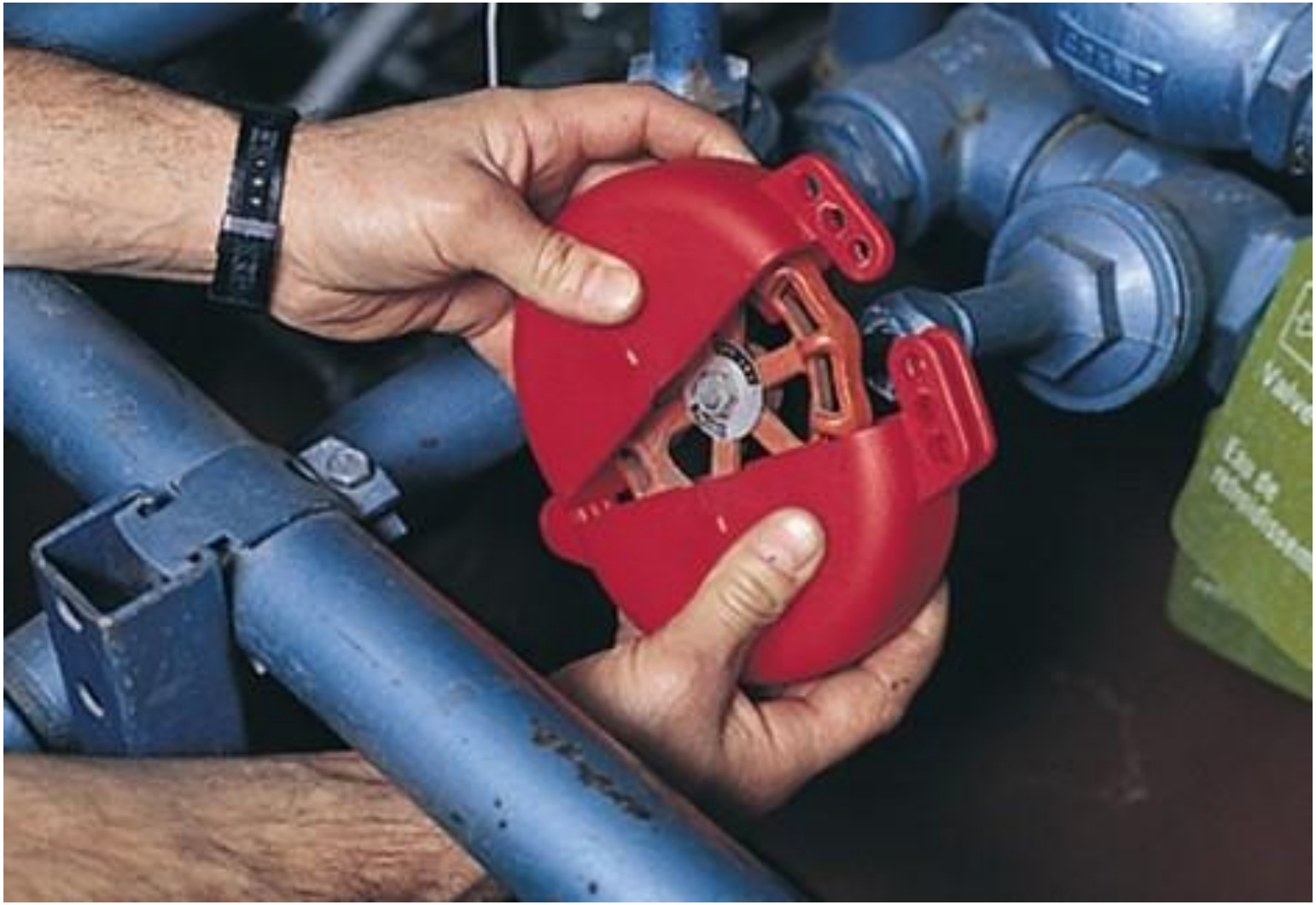

DANGER
LOCKED
OUT
DO NOT REMOVE


DANGER
DO NOT
OPERATE
480v


DANGER
DO NOT
OPERATE


DANGER
LOCKED
OUT
DO NOT REMOVE
3/4


DANGER
DO NOT OPERATE
DANGER

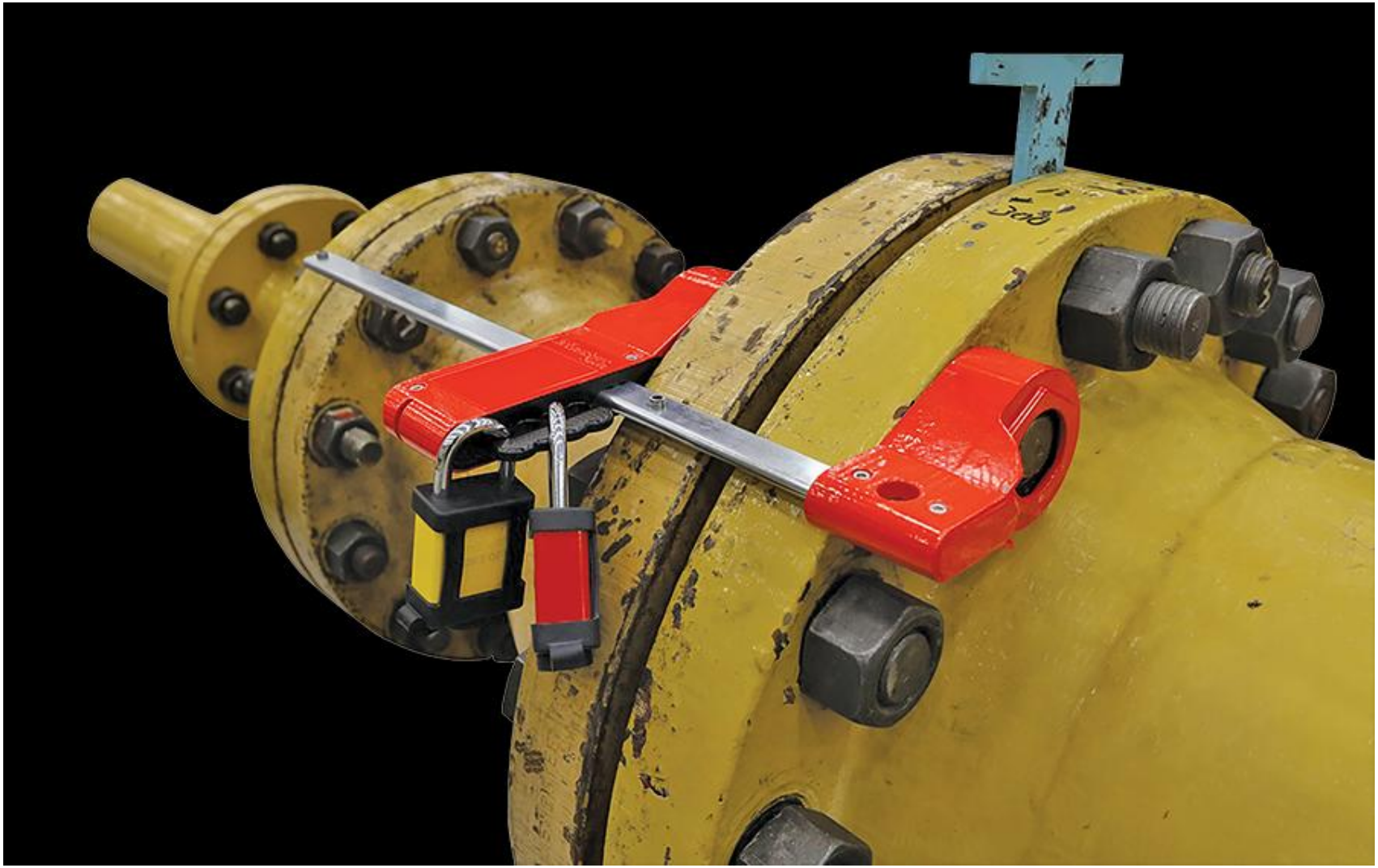



LOCKED
OUT


VOLTS
DANGER
DO NOT OPERATE
Do not remove this lock/tag. It is here to protect my life.
J. Smith
Maintenance
Master Lock
DANGER
LOCKED OUT
DO NOT REMOVE


THREE PHASE


DANGER
PELIGRO
1
2
3
4
Master
No. 468L




DANGER
DO NOT
OPERATE


ACCI


DANGER
DO NOT
OPERATE


DANGER
LOCKED OUT
DO NOT OPERATE


ON
FM
OFF
BALL VALVE
150 WSP
DANGER
LOCKED
OUT
DO NOT REMOVE

RAM-SCREW-LOCK
multecengineering


AG S
CAT

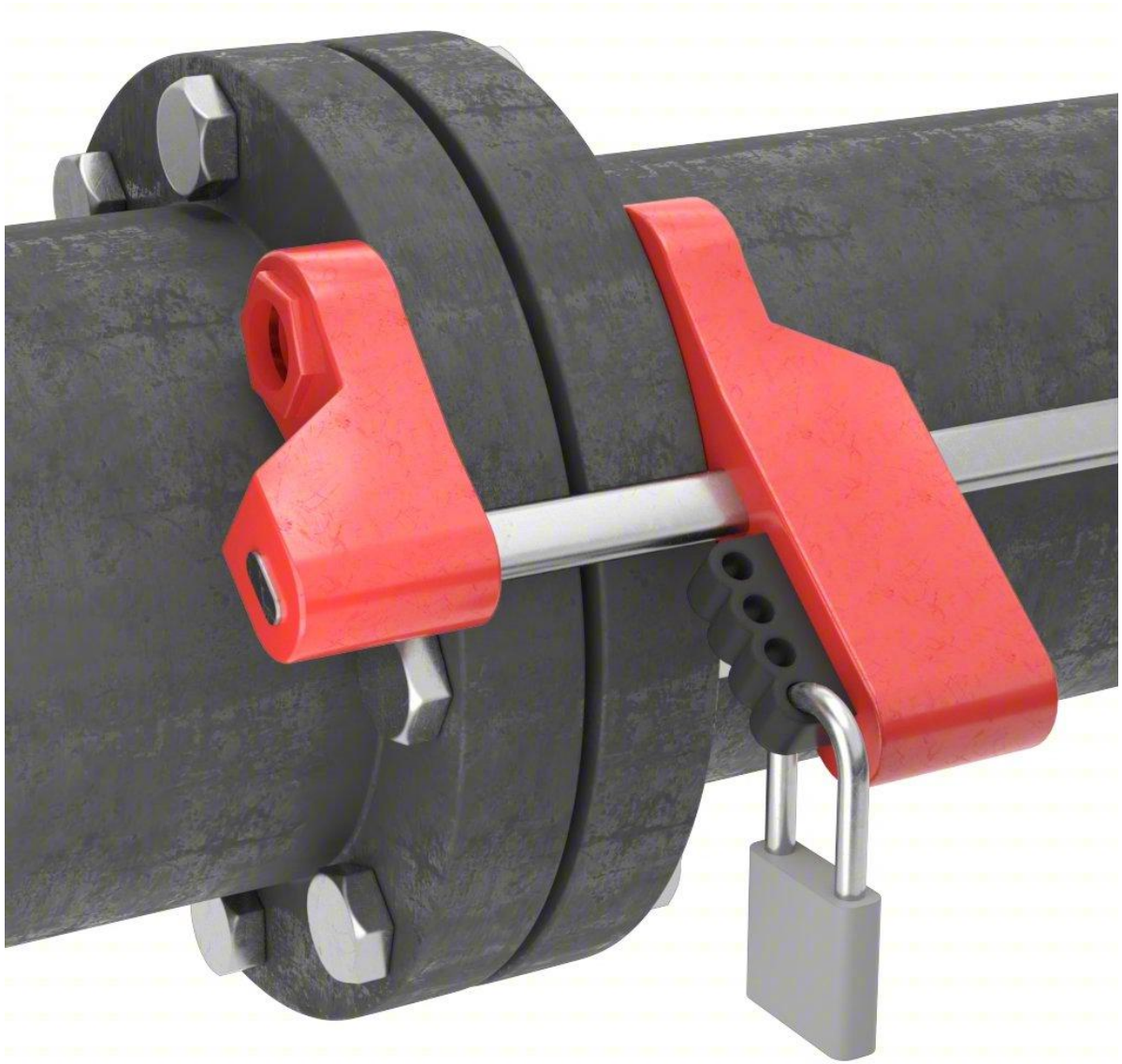

LOCKED OUT
DO NOT REMOVE
VERROUILLE
NE PAS ENLEVER
CERRADO
NO LO QUITE
Master Lock
SAFETY SERIES
453XXL
453XL
453L

ES - **PL 3W** (**P**neumatic **L**ockout - **3 W**ay)

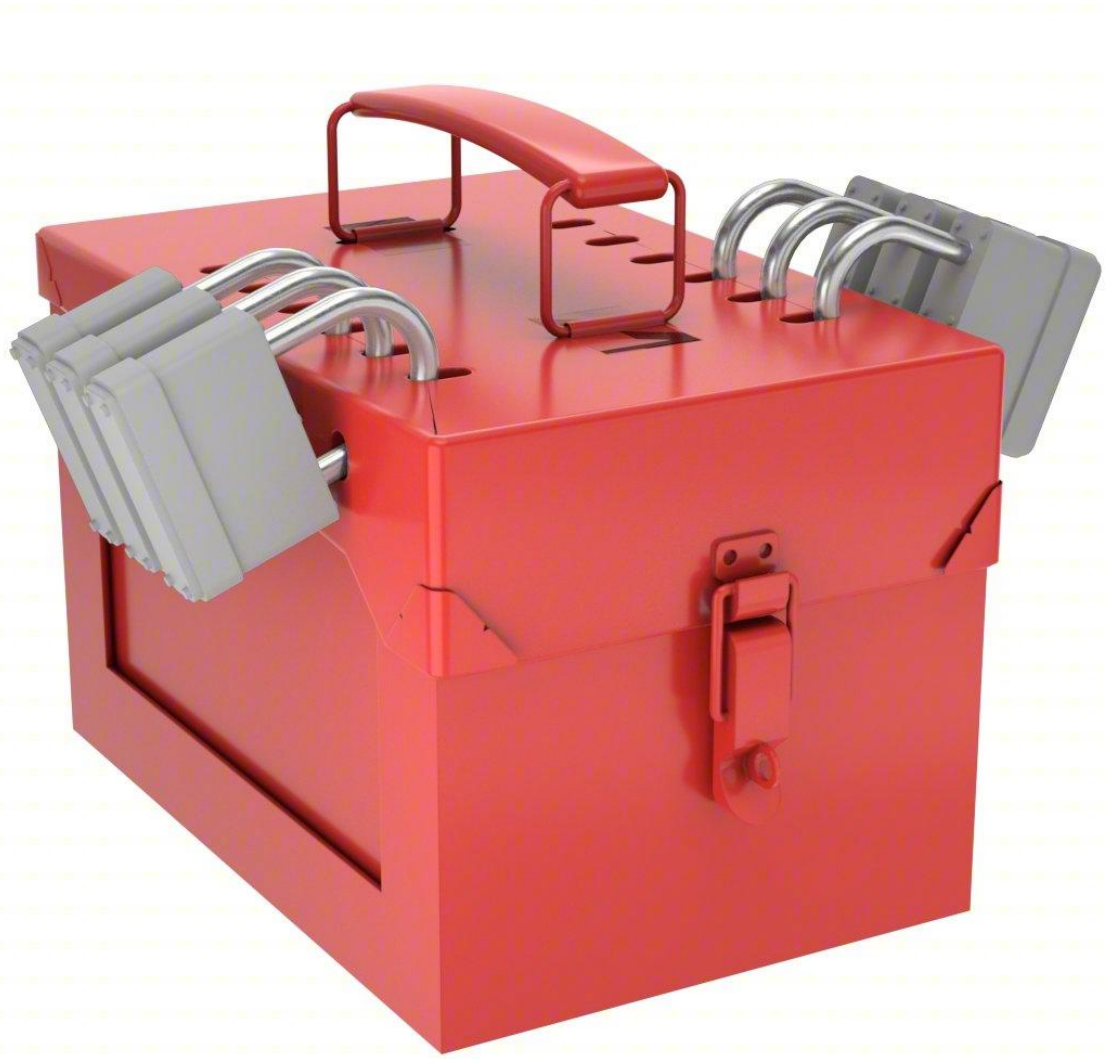

BRADY


10 KA
ON/OFF
20
10 KA
20
42
DANGER
LOCKED
OUT
DO NOT REMOVE

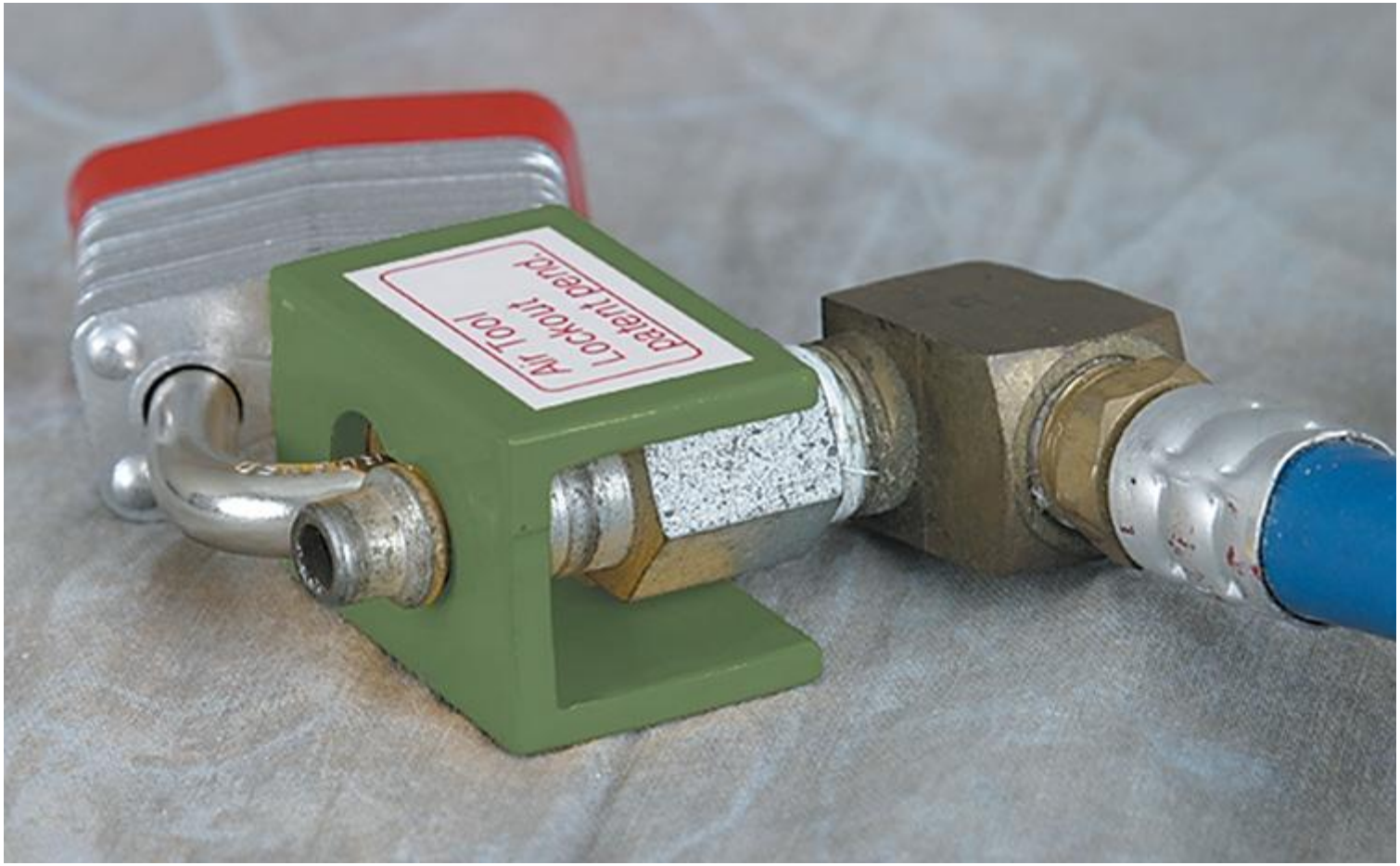

DANGER
DO NOT OPERATE
OR MOVE VEHICLE
THIS COVER MAY ONLY BE REMOVED
BY AUTHORIZED PERSONNEL




DANGER
DO NOT
OPERATE

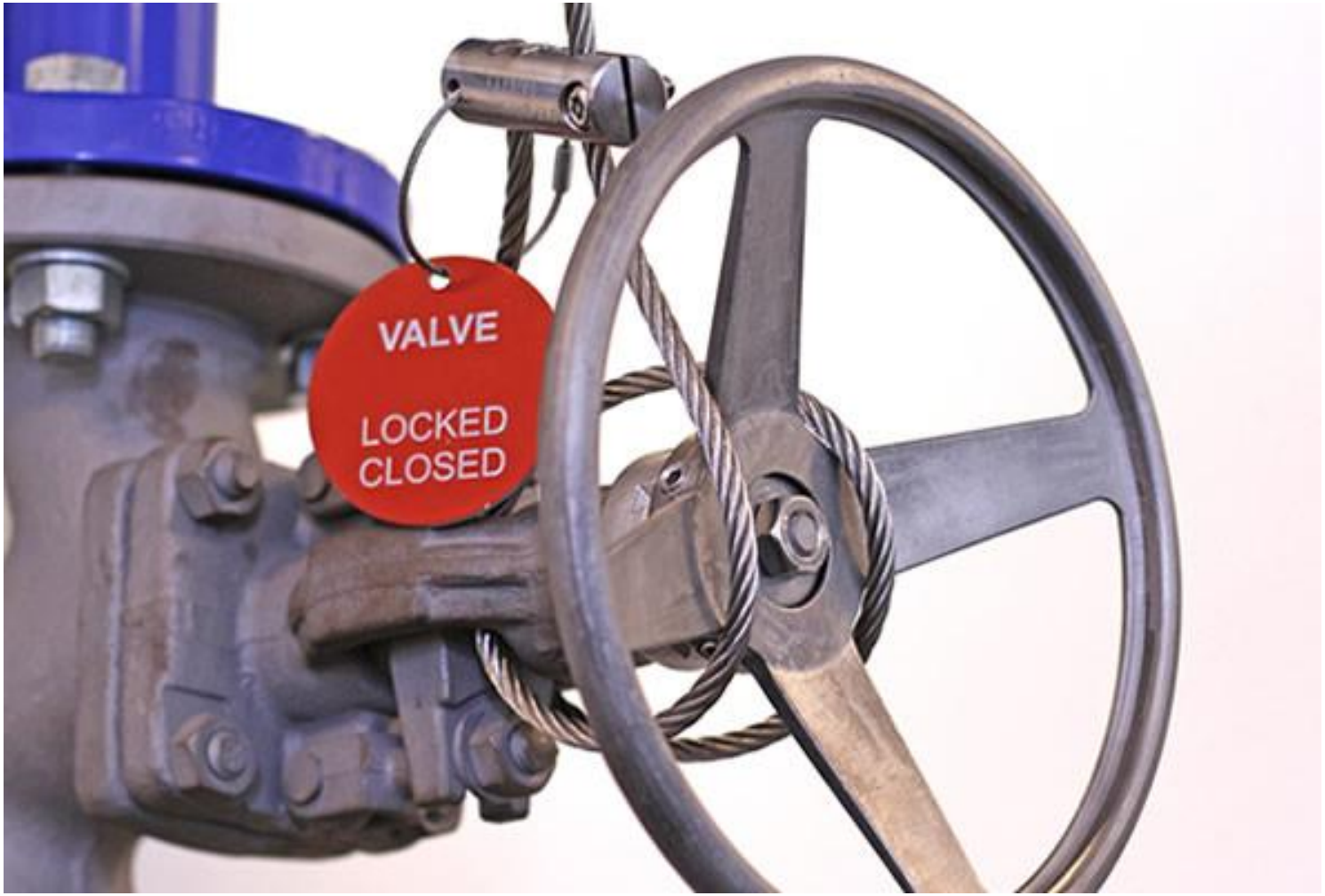



LOCKOUT SAFETY TIPS
1. LOCATE and IDENTIFY power sources, potential hazards and all control devices.
2. NOTIFY all employees involved.
3. TURN-OFF all power sources.
4. ISOLATE all power sources and de-energize or block all stored energy (springs, hydraulic, charged capacitors, pneumatic, etc.)
5. LOCK-OUT all switches and controls in the 'OFF' or 'SAFE' position.
6. TEST to insure that all energy is off or blocked out.
7. PERFORM necessary work.
8. REMOVE lockout devices when finished and notify all affected employees. Lock-out devices should only be removed by the employees who applied them.
9. TEST again to be sure equipment operates properly.
ALWAYS FOLLOW YOUR EMPLOYER'S WRITTEN PROCEDURES
PRINZING
DANGER
This lock/tag may only be removed by:
Name
Date
DANGER
LOCKED OUT
DO NOT OPERATE
PLUG LOCKOUT
DO NOT PLUG IN
DO NOT PLUG IN
KEY SLOT
Group Lockout
PRINZING

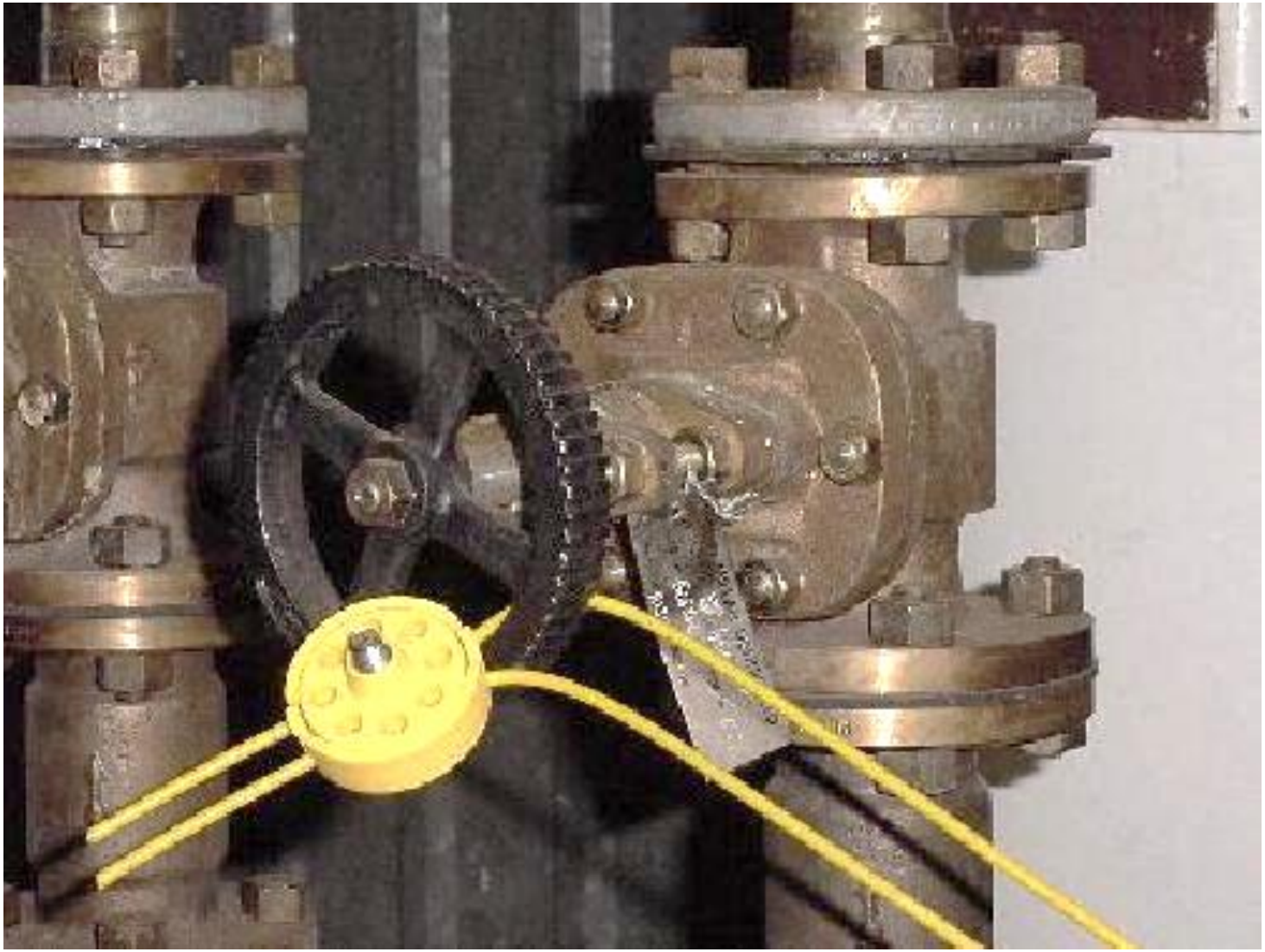

Air Tool
Lockout
Patent Pend.


DANGER
DO NOT
START
EQUIPMENT
LOCKED OUT
SIGNED
DATE


DANGER
DO NOT START
OR MOVE VEHICLE
THIS COVER MAY ONLY BE REMOVED
BY AUTHORIZED PERSONNEL


VALVE
LOCKED
CLOSED


000405060
PRO-LOCK




DANGER
DO NOT
OPERATE
DANGER
LOCKED
OUT


PRINZING