

**HAND** and

**POWER TOOLS**

SGPLQLVWUDWLRQ

LQWHQG HG WR SURYLG H D JHQHULF  
QRQ H[KDXVWLYH RYHUYLHZ RI D  
SDUWLFXODU VWDQGDUGV UHODWHG WRSLF  
7KLV SXEOLFDWLRQ GRHV QRW LWVHOI  
DOWHU RU GHWHUPLQH FRPSOLDQFH  
UHVSRQVLELOLWLHV ZKLFK DUH VHW  
IRUWK LQ 26+\$ VWDQGDUGV WKHPVHOYHV  
DQG ~~Optional~~

*Safety and Health Act* ORUHRYHU

EHFDXVH LQWHUSUHW DWLRQV DQG  
HQIRUFHPHQW SROLF\ PD\ FKDQJH  
RYHU WLPH IRU DGGLWLRQDO JXLGDQFH  
RQ 26+\$ FRPSOLDQFH UHTXLUPHQWV  
WKH UHGHU VKRXOG FRQVXOW  
FXUUHQW DQG DGPLQLVWUDWLYH  
LQWHUSUHW DWLRQV DQG GHFLVLRQV E\  
WKH 2FFXSDWLRQDO 6DIHW\ DQG  
+HDWK SHYLHZ &RPPLVVLRQ  
DQG WKH FRXUWV

0DWHULDO FRQWDLQH G LQ WKLV  
SXEOLFDWLRQ LV LQ WKH SXEOLF GRPDLQ  
DQG PD\ EH UHSURGXFHG IXOO\ RU  
SDUWLDOO\ ZLWKRXW SHUPLVVLRQ RI WKH  
)HGHUDO \*RYHUQPHQW 6RXUFH FUHGLW LV  
UHTXHVWHG EXW QRW UHTXLUH G

7KLV LQIRUPDWLRQ ZLOO EH PDGH  
DYDLODEOH WR VHQRU\ LPSDLUH G

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What Is the Purpose of This Booklet?

What Are the Hazards of Hand Tools?

What Are the Dangers of Power Tools?

\* X D U G V

2 S H U D W L Q J & R Q W U R O V D Q G 6 Z L W F K H

7KLVERRNOHWLVGHVLJQHGWRSUHVHQQWWRHPSOR DQG HPSOR\H  
D VXPPDU\ RI WKH EDVLF VDIKIDU\ GSW BDFMGRFUL  
ZLWK KDQG DQZHSR WWRBHH SR

0DWHULDO LQ WKLV ERRNOHW LV EDVHG R  
WLRQDO 6DIHW\ DQG +HDOWK \$ZHYQLW WUDW  
VKRXOG QRW EH FRQVLGHUHG DV D VXEVL  
KHDOWK VWDQGDUGV IRU JHQHUDOO deLoj G XV W  
FOO&IT\*470000jcam044(QF)700(7006)1560R00000510940EM7008D/P 47-100



‡ 3URYLGH DQG XVH SURSHUO\ ~~W~~KH ULJKW  
HTXLSPHQW

(PSOR\HHV DQG HPSOR\HUV VKRXOG ZRUN  
ZRUNLQJ SURFHGXUHV ,I D KDJDUGRXV VL  
VKRXOG EH EURXJKW LPPHGLDWHO\ WR WKH  
LQGLYLGXDO IRU KDJDUG DEDWHPHQW  
7KH IROORZLQJ VHFWRQRV LGHQWLI\ YDU

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+DQGWRROVDUHWRRROVWKDWDUHSRZHUHGPDOXD00\ +DQGWRROV  
LQFOXGH DQ\WKLQJ IURP D[HV WR ZUHQFKHV  
E\ KDQG WRROV UHVXOW IURP PLVXVH DQG I





7KH H[SRVHGPRYLQJSDUWVRISRZHUWRROVQHGGWREHVDIH  
JXDUGHG%HOWVJHDUVVKDIWVSXOOH VSURFNHWV VSLQGO  
IO\ZKHHOV FKDLQV RU RWKHU YUHQJL S DR MDW  
RI HTXLSPHQW PXVW EH JXDUGHG

0DFKLQH JXDUGV DV DSSYURCSHGGDWRHSUPKWW  
RSHUDWRU DQG RWKHQJV IURP WKH IROOR

- ‡ 3RLQW RI RSHUDWLRQ
- ‡ ,Q UXQQQLQJ QLS SRLQWV
- ‡ 5RWDWLQJ SDUWV
- ‡ )O\LQJ FKLSV DQG VSDUNV

6DIHW\ JXDUGV PXVW QHYHU EH UHPRYHG  
3RUWDEOH FLUFXODU VDZV KDYLQJ D EODGH  
FHQWLPHWHUV LQ GLDPHWHU PXVW EH HTX  
\$Q XSSHU JXDUG PXVW FRYHU WSKUHFWQWDFWH  
DEOH ORZHU JXDUG PXVW FRYHU WSKUHFWQWDFWH  
PDNHV FRQWDFW ZLWK WKH ZRUN PDWHULDO  
DXWRPDWLFDOO\YUHWUQJURWRWLRWKRHQFRKHQ WK  
ZLWKGUDZQ IURP WKH ZRUN PDWHULDO

7KH IROORZLQJKDQGGKHOGRSRZHUWRROVPXVWEHTXLSSHGZLWKD  
ZLWKGUDZHG Gp EE QD



ODPLQDWHWULPPHUVQLEEOHUVVKHDUVDQGVFZUROOVD QG MLJVDZ  
 VDEHU DQG VFUROO VDZV ZLWKQFEDGH VKD  
 PLOOLPHWHUV RU OHVV LQ GLDPHWHU ,W  
 VWDQW SUHVXUH FRQWURO VZLWFK EH UH  
 2WKHU KDQG KHOG SRZHU WRROVQJVXKODQ  
 GLDPHWHU JUHDWHU WKDQ LQFVVDQG FH  
 SHUFXVLRQ WRROV ZLWK QR PHDQV RI KRC  
 PXVW EH HTXLSSHG ZLWK D FRQVWDQW SUH

(PSORHHVXLQJHOHFWULFWRROVPXVWEHJH RI VHYHUDO C  
 \$PRQJ WKH PRVW VHULRXV XUDQDUDGVDUHRHM

(OHFWULFDO VKRFNV ZKLFK FDQDOLHXCUMI  
 DQG EXUQV DUH DPRQJ WKH PDMRU KDJDUC  
 SRZHUHG WRROV 8QGHYHFDUWDELQORQERXV  
 HOHFWULF FXUUHQWLDDQWHRQQRWWRHIKHD  
 HOHFWULF VKRFN DOVRDIDQRHDXVODWGHUXR  
 HOHYDWHG ZRUN VXUIDFH DQDQEH LQMXUHC

7R SURWHFW WKH XVXUQIVURHOMKFWNLBQGRF  
 KDYH D WKUHH ZLUH FRUG ZLWK D JURXQG  
 JURXQGHG UHFHSWDFOH EH ZHRXHEGHE\LDVORC  
 YROWDJH LVRODWLRQ WUDQVIRUPHU 7KUH  
 FDUU\LQJ FRQGXFWRUV DQG \$QJURXQGHGQJF  
 DGDSWHU LV XVHG WR DFRPPRGDWH D WZR  
 ZLUH PXVW EH DVZDIERKQGR7BHNQVKLUG SU







(HSURWHFWLRQLVUHTXLUHGDQGHGDOGH SURWHFWLRQ L  
UHFRPPHQGHG IRU HPSOR\HHV ZRUNLQJ ZLW

6FUHHQV PXVW DOVR EH VHWXSUWHUSURWH  
VWUXFN E\ IO\LQJ IUDJPHQWIDQJR KXQGVF KLYS  
RU DLU GULOOV

&RPSUHVVHG DLU JXQV VKRXOG QHYHU EH  
:RUNHUV VKRXOG QHYHU 'GHDG HQGμ WKHP  
DQ\RQH HOVH \$ FKLS JXDUG PXVW EH XVHG  
XVHG IRU FOHDQLQJ

8VH RI KHDY\ MDFNKDPHSUVE KDQLQD WVK•DD

:KHQXVLOJSRZGHUFDWXDWHGWRROVDQHPSOR\HHPXVWZHDU  
 VXLWDEOHHDUH\HDQGDIFHSURWHFWLRO 7KH XVHUPXVWVHOHFWD  
 SRZGHU OHYHO<sup>3</sup>KLJK RU ORZ YHORFLW\<sup>3</sup>WKI  
 SRZGHU DFWXDWHG WRRO ~~ROQ~~ ~~ZHMKVRXDU~~ H  
 VLYH IRUFH

7KH PXJJOH HQG RI ~~WKHDWSURROV~~ ~~PXWW~~ YKH VK  
 JXDUG FHQWHUHG SHUSHQGLFXODU WR DQG  
 FRQILQH DQ\ IUDJPHQWV RU SDUWLFOHV WK  
 LV ILUHG \$ WRRO ~~FHQWFLWQLQR~~ IDG KPLX KWY EH  
 \_ @pH GHV @ p € H @ € ° À QHG  
 UL @ ` À Â0 ðPH È HOÀ 0° @

7KH PXP H HQGÀ K VK, @ Àp ò SH UL  
 € ðU P ZGÀ0 ; ÀIpð ZLWKRXT0 € € Ñ ZLWKRXiH

:KHQXVLOJSRZGHUFDWXDWHGWRROVWRDSSO\IDVWHQHUV\O  
 DGGLWLRQDO SURFHZGKHUV PXVW EH IROOR  
 ‡ 'R QRW ILUH IDVWHQHUV LQWR PDWHULD  
 HUV WR SDVV WKURXJK WR WKH RWKHU V  
 ‡ 'R QRW GULW\HQHUV LQWR YHU\ KDUG RU  
 PLJKW FKLS RU V\OMKWH\DVWRHQ\PDUNV ULFR  
 ‡ \$OZD\ V XVH DQ DOLJQPHQWDJXV\FHQH\ZKH\Q  
 H[LVWLQJ KROHV  
 ‡ :KHQ XVLQJ D KLJK YHORFLW\ WRRO GR  
 WKDQ LQFKHV FHWLPHWHUV IURP  
 FRUQHU RI PDWHULDO VXFK DV EULFN RU  
 ‡ :KHQ XVLQJHORELW\WRRODGW\HQ\RU\OIQ  
 VWHHO DQ\ F\Q\WKU WK\FHQWLPWHUV IU  
 XQVXSSRUWHG FRUQHU HGJL[XQ\HVRD M  
 LV XVHG

7KHIOXLGXVHGLQ\GUDXOLF SRZHUWRROVPXVWEHDQDSSUR YHGILUH  
 UHVLVWDQWIOXLGDQGPXVWUHWDLQLWVRSHUDWLQJFKDUDFWHULVWLFD  
 PRVW H[WUHPH WHPSHUDW\SRV\WR7KHLFKL  
 H[FHSWLRQ WR ILUH UHVLVWDQW IOXLG LQY  
 WKH LQVXODWHG VHFWRQRV RI G\UDXOLFNF WU  
 WRROV WKDW DUH XVH\G\Q\HQ\URXIQGVHQ\G  
 IOXLG VKDOO EH RI WKH LQVXODWLQJ W\SH

7KH PDQXIDFWXUHU\UHFRPPHQGHG VDIH  
 KRUVH YDOYHV SLSHV ILOWHUV DQG RWK  
 \$OO MDFNV<sup>3</sup>LQFOXGLQJ OHYHU\DEGVU\DW\GK  
 K\GUDXOLF MDFNV<sup>3</sup>PXVW KDYH D VWRS LQGI  
 QRW EH H[FHHGHG \$OVR WKH PDQXIDFWXU  
 SHUPDQHQW\PDUNHG LQ D SURPLQHQW SOD  
 OLPLW PXV\W\HQ\G\H H

\$ MDFN VKRXOG QHYHU EH XVHG WR VXSSRU  
 ORDG KDV EHHQ OLIVHG LW PXVW LPPHGLDW  
 XQGHU WKH EDVH RI WKH MDFN\ZKH\HQ\W\KSIO\DE  
 D EORFN EHWZHHQ WKH MDFN FDS DQG ORDG

7RVHWXSMDFNPDNHFHUWDLQ RI WKH IROORZLQJ  
 † 7KH EDVH RI WKH ~~MDFN~~ ~~NOH~~ ~~HN~~ ~~OW~~ ~~RQ~~ ~~DFH~~  
 † 7KH MDFN LV FRUUHFWO\ FHQWHUHG  
 † 7KH MDFN KHDG E ~~HN~~ ~~OW~~ ~~ND~~ ~~Q~~ ~~M~~ ~~WD~~ ~~Q~~ ~~G~~ H  
 † 7KH OLIW IRUF ~~HH~~ ~~Q~~ ~~V~~ \DSSOLHG H  
 3URSHU PDLQWHQDQFH RI MDFN ~~NO~~ ~~VO~~ ~~LW~~ ~~D~~ ~~H~~ ~~N~~ ~~V~~ H  
 PXVW EH OYTUUÂf9 < 56 H·M· F&có DJ

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26+ \$FDQSURYLGHH[WHQVLYHKHOSWKURXJKDYDULHWARISURJUDPV  
LQFOXGLOJ DVVLVWDQFHDERXWVDIHW\DQGGKHDOWKSURJUDPVVWDWHSODQ  
ZRUNSODFHFRQVXOWDWLROVYROXQWDU\ SURWHFWLROSURJUDPVVWUDW  
SDUWQHUVKLSVWUDLQLQJDQGHGXFDFWLRQDQGPURH

:RUNLQJLQDQVDIHDQGGKHDOWKIXOHQ\URQPHQW FDQ VWLPLX  
LQQRDYLWRQ DQG FUHDWLWYLW\ DQG UHVXO  
KLJKHU SURGXFWLYLW\

7R DVVLVW HPSOR\HUV YHQCR \$IPQDR\IHHFWLQY  
DQG KHDOWK PDQDJHPHQW V\ VWHPV 26+ \$ SX  
*Safety and Health Program Management Guidelines (Federal*  
*Register* - D Q X D U \ 7 K H V H Y R  
JXLGHOLQH V FDQ EH DSSOL\PHQWR HROXNSHDFH  
26+ \$

7KH JXLGHOLQH V LGHQWLI\ IRP À€@  
S dj- ` \ JXC000€PđÀ`°”zAÀaĐ€p±^LQ QJR D°ÀQG  
YLW [+2\$ Ò° @  
7KH JXXEOLVKHGLQ XEOQF Ä‘p À p5€p0 SF



9ROXQWDU\3URWHFWLRQ3URJUDPVDQGRQVLWHFRQVXOWDWLRQVHUYL  
ZKHQFRXSOHGZLWKDQHI IHFWLYHHQIRUFHPHQWSURJUDPH[SDQG  
ZRUNHUSURWHFWLRQWRKHOSP HHWWKHJRDOSRIWK 7KH WKUHH

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7KH26+\$7UDLQLOJ,QVWLWXWHDOVRKDVHVWDEOLVKHG26+\$7UDLQLOJ  
 ,QVWLWXWH(GXFDWLRO&HQWHUVWRDGGUHVWVKHLQFUHDVHGGHPDQGIRU  
 FRXUVHV IURP WKH SULYDWH VHFWRU DQG I  
 FHQWHUV DUH QRQSURILW FROODIOLYDWRU  
 WKDW KDYH EHHQ VHOHFWHG DIWHU D FRPS  
 SURJUDP

26+\$ DZDUGV JUDQWV WKURXJK LWV 6XVDC  
 3URJUDP WR QRQSURILW RUJDQLJDWLRQV WF  
 WUDLQLOJ DQG HGXFDWRUHQHURVHPSORVHUZR  
 €3A0P PF ø€ðÀ@ F

26+\$ &' 520 LQFOXGHV VWDQGDUGVYHQWHU  
 DQG PRUH DQG FDQ EH SXUFKDVHG RQ &' 520  
 PHQW 3ULQWLQJ 2IILFH 7R RUGHU ZULWH W  
 'RFXPHQWV 8 6 \*RYHUQPHQW 3ULQWLQJ 2IILFH  
 RU SKRQH 6S HJXLQD WGLRQ 5H  
 'RFXPHQWV DQG 7HFKQLFDO ,QIRUPDWLRQ R  
 2UGHU 1R 6 1 7KH SULFH LV  
 RYHUVHDXV SHU VLQRHUFVHSDV

26+\$KDVDQH[WHQVLYHSXEOLFDWLRQVSURJUDP)RUDOLVWLQJRI  
 IUHHRUVDHVLWHPVYLVLW26+\$VZHEVLWHDWZZRVDKJRYRU  
 FRQWDFWWKH26+\$3XEOLFDWLRQV2IILFH86'HSDUWPHQWRI/DERU  
 26+\$26+\$3XEOLFDWLRQV32%R[:DVKLQJWRQ'&  
 7HOHSKRQRUI D[ WR

*All About OSHA* 26+\$

*Chemical Hazard Communication* 26+\$

*Controlling Electrical Hazards* 26+\$

*Ground Fault Protection on Construction Sites* 26+\$

*Hearing Conservation* 26+\$

7KH IROORZLQJ SXEOLFDWLRQV RQ WDUW KH 6XS  
 RI 'RFXPHQWV 8 6 \*RYHUQPHQW 3ULQWLQJ  
 WHOHSKRQH D[ I ,QFOXGH W  
 \*32 RUGHU QXPEHU FDIQFN FDSND\DEOH WR WKH 6  
 RI 'RFXPHQWV 9LVD RU ODVWHU&DUG DUH DF

*Hazard Communication - A Compliance Kit* 26+\$

\*32 2UGHU 1R YHUVHDXV

*Hazard Communication - Guidelines for Compliance* 26+\$

2UGHU 1R YHUVHDXV

*Job Safety and Health Quarterly* PDJD]LQH \*32 2UGHU 3UR

&RGH -6+ DQQXDO VXEVFULSWLRQ

FRSLHV IRUHLJQ 2UGHUQPHQW

3ULQWLQJ 2IILFH 6XSHULQWHQGHQWRIRF

)D[









**Commissioner**

7HQQHVVHH 'HSDUWPHQW RI /DERU  
 -DPHV 5REHUWVRQ 3DUNZD\  
 1DVKYLOOH 71

**Commissioner**

/DERU &RPPLVVLRQ RI 8WDK  
 (DVW 6RXWK UG )ORRU  
 3 2 %R[  
 6DOW /DNH &LW\ 87

**Commissioner**

9HUPRQW 'HSDUWPHQW RI /DERU  
 DQG ,QGXVWU\  
 1DWLRQDO /LIH %XLOGLQJ  
 'UDZHU  
 1DWLRQDO /LIH 'ULYH  
 0RQWSHOLHU 97

## State

## Telephone

**\$ O D E D P D**  
**\$ O D V N D**  
 \$ U L ] R Q D  
 \$ U N D Q V D V  
 & D O L I R U Q L D  
 & R O R U D G R  
 & R Q Q H F W L F X W  
 ' H O D Z D U H  
 ' L V W U L F W R I & R O X P E L D  
 ) O R U L G D  
 \* H R U J L D  
 \* X D P  
 + D Z D L L  
 , G D K R  
 , O O L Q R L V  
 , Q G L D Q D  
 , R Z D  
 . D Q V D V  
 . H Q W X F N \  
 / R X L V L D Q D  
 0 D L Q H  
 0 D U \ O D Q G  
 0 D V V D F K X V H W W V  
 0 L F K L J D Q  
 0 L Q Q H V R W D  
 0 L V V L V V L S S L  
 0 L V V R X U L  
 0 R Q W D Q D  
 1 H E U D V N D  
 1 H Y D G D  
 1 H Z + D P S V K L U H  
 1 H Z - H U V H \  
 1 H Z 0 H [ L F R  
 1 H Z < R U N  
 1 R U W K & D U R O L Q D  
 1 R U W K ' D N R W D  
 2 K L R  
 2 N O D K R P D  
 2 U H J R Q  
 3 H Q Q V \ O Y D Q L D

3XHUWR5LFR  
5KRGH ,VODQG  
6RXWK &DUROLQD  
6RXWK 'DNRWD  
7HQQHV VHH  
7H[DV  
8WDK  
9HUPRQW  
9LUJLQLD  
9LUJLQ ,VODQGV  
:DVKLQJWRQ  
:HVW 9LUJLQLD  
:LVFRQVLQ  
:\RPLQJ

**Area**

**Telephone**





**Area****Telephone**

+RXVWRQ 7;  
/XEERFN 7;  
6DOW /DNH &LW\ 87  
1RUIRON 9\$  
%HOOHYXH :\$  
&KDUOHVWRQ :9  
\$SSOHWRQ :,  
(DX &ODLUH :,  
0DGLVRQ :,  
0LOZDXNHH :,

**Region I**

(CT,\* MA, ME, NH, RI, VT\*)  
 -). ) HGHUO % XLOGLOJ  
 5 RRP (  
 % RVWRQ 0\$  
 7HOHSKRQH

**Region II**

(NJ,\* NY,\* PR,\* VI\*)  
 9DULFN 6WUHHW  
 5 RRP  
 1HZRUN 1<  
 7HOHSKRQH

**Region III**

(DC, DE, MD,\* PA, VA,\* WV)  
 7KH & XUWLV & HQWHU  
 6 , QGSHHQGHQFH  
 3KLODGHOSKLD 3\$  
 7HOHSKRQH

**Region IV**

(AL, FL, GA, KY,\* MS, NC,\*  
 SC,\* TN\*)  
 \$WODQWD ) HGHUO  
 ) RUV\WK 6WUHHW  
 \$WODQWD \*\$  
 7HOHSKRQH

**Region V**

(IL, IN,\* MI,\* MN,\* OH, WI)  
 6RXWK 'HDERU  
 5 RRP  
 & KLFDJR ,/  
 7HOHSKRQH

**Region VI**

(AR, LA, MN,\* OK, TX)  
 \*ULIILQ 6WUHHW  
 5 RRP  
 'DOODV 7;  
 7HOHSKRQH

**Region VII**

(IA,\* KS, MO, NE)  
 & LW\ & HQWHU 6TXDUH  
 0DLQ 6WUHHW 6XLV  
 .DQVDV & LW\ 02  
 7HOHSKRQH

**Region VIII**

(CO, MT, ND, SD, UT,\* WY\*)  
 %URDGZD\ :HVW  
 6XLWH :HVW  
 'HQYHU & 2  
 7HOHSKRQH

**Region IX**

(American Samoa, AZ,\* CA,\*  
 Guam, HI,\* NV,\*  
 Commonwealth of the  
 Northern Mariana Islands)  
 6WHYHQVRRQ 6WUHHW  
 WK )ORRU  
 6DQ )UDQFLVFR & \$  
 7HOHSKRQH

**Region X**

(AK,\* ID, OR,\* WA\*)  
 7KLUG \$YHQXH  
 6XLWH  
 6HDWWOH :\$  
 7HOHSKRQH

7KXVH VWDWHV DQG WHUULWRULHV RSHUDWH WKHLU  
 DQG KHDOWK SURJUDPV & RQQHFWLFXW 1HZ -HUVH\  
 HPSRV\HHV RQO\ 6WDWHV ZLWK DSSURYHG SURJUDPV  
 LGHQWLFDO WR RU DW OHDV DV HHHFWLYH DV WKI



86 ' HSDUWPHQWRI /DERU  
2FFXSDWLRQDO 6DIHW\ DQG +HDOWK \$G  
26+\$  
5HYLVHG