

**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 5HYLHZ &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

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7KLVERRNOHWLVGHVLJQHGWRSUHVHQQWWRHPSOR DQG HPSOR\H  
D VXPPDU\ RI WKH EDVLF VDIHW\ CSU 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 deLo QGXVW

F000RIT\*470000jcam074(QF70017006)K1560R00000510940EM7008D/P 47-1000



‡ 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 WRRROV 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\YUHWUQJURWRWLRQFKKHQ WK  
ZLWKGUDZQ IURP WKH ZRUN PDWHULDO

7KH IROORZLQJKDQGGKHOGRSRZHUWRROVPXVWEHTXLSSHGZLWKD  
ZLWKGUDZHG Gp EE QD



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

(PSORHHVXLQJHOHFWULFWRROVPXVWEHJH RI VHYHUDO  
 \$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 XVXUQIVURHOMKFWNLBQGRH  
 KDYH D Wkuhh ZLUH FRUG ZLWK D JURXQG  
 JURXQG HG UHFHSWDFOH EH ZHRXHEGHE\LDVOR  
 YROWDJH LVRODWLRQ WUDQVIRUPHU 7KUHF  
 FDUU\LQJ FRQGXFWRUV DQG \$QJURXQHG DQJ F  
 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 VHWXSUWHUSURVH  
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 PX]]OH HQG RI ~~W~~ ~~K~~ ~~H~~ ~~D~~ ~~S~~ ~~R~~ ~~O~~ ~~V~~ ~~P~~ ~~X~~ ~~W~~ ~~W~~ ~~Y~~ ~~K~~ ~~V~~ ~~K~~  
 JXDUG FHQWHUHG SHUSHQGLFXODU WR DQG  
 FRQILQH DQ\ IUDJPHQWV RU SDUWLFOHV WK  
 LV ILUHG \$ WRRO ~~F~~ ~~R~~ ~~O~~ ~~V~~ ~~L~~ ~~Q~~ ~~L~~ ~~Q~~ ~~R~~ ~~I~~ ~~D~~ ~~G~~ ~~K~~ ~~P~~ ~~X~~ ~~K~~ ~~W~~ ~~E~~ ~~H~~  
 \_ @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 ; ÀI pð ZLWKRXT0 € € Ñ ZLWKR XiH



:KHQXVLQJSRZGHUFDWXDWHGWRROVWRDSSO\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\O\K\W\I\B\U\W\H\Q\H\U\N\U\L\F\R\I\  
 ‡ \$OZD\ V XVH DQ DOLJQPHQWDJXV\B\H\Z\K\H\Q\Q  
 H[LVWLQJ KROHV  
 ‡ :KHQ XVLQJ D KLJK YHORFLW\ WRRO GR  
 WKDQ LQFKHV FHQWLPHWHUV IURP  
 FRUQHU RI PDWHULDO VXFK DV EULFN RU  
 ‡ :KHQ XVLQJ DOKEL\YWRROD\G\W\H\Q\H\U\N\U\L\F\R\I\  
 VWHHO DQ\ F\O\F\K\U\W\K\B\H\Q\W\LP\H\W\H\U\I\U\  
 XQVXSSRUWHG FRUQHU HGJH[X\O\H\U\VR\D\M  
 LV XVHG

7KHIOXLGXVHGLQK\GUDXOLF SRZHUWRROVPXVWEHDQDSSUR YHGILUH  
 UHVLVWDQWIOXLGDQGPXVWUHWDLQLWVRSHUDWLQJFKDUDFWHULVWLFD  
 PRVW H[WUHPH WHPSHUDW\KSRH\H\O\W\7\K\H\FK\L  
 H[FHSWLRQ WR ILUH UHVLVWDQW IOXLG LQY  
 WKH LQVXODWHG VHFWRURQ RI G\H\U\X\O\H\U\N\U\L\F\R\I\  
 WRROV WKDW DUH XVH\G\O\O\O\O\H\U\R\X\I\G\V\H\Q\H\U\N\U\L\F\R\I\  
 IOXLG VKDOO EH RI WKH LQVXODWLQJ W\SH

7KH PDQXIDFWXUHU\UHFPPHQGHG VDIH  
 KRUVH YDOYHV SLSHV ILOWHUV DQG RWK

\$OO MDFNV<sup>3</sup>LQFOXGLQJ OHYH\U\N\U\L\F\R\I\  
 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\H\Q\H\U\N\U\L\F\R\I\

\$ MDFN VKRXOG QHYHU EH XVHG WR VXSSRU  
 ORDG KDV EHHQ OLIWHG LW PXVW LPPHGLDW  
 XQGHU WKH EDVH RI WKH MDFN\Z\K\H\Q\H\U\N\U\L\F\R\I\  
 D EORFN EHWZHHQ WKH MDFN FDS DQG ORDG

7RVHWXSMDNFNPDNHFHUWDLQ RI WKH IROORZLQJ  
 ‡ 7KH EDVH RI WKH ~~MDFN~~ ~~NOH~~ ~~HN~~ ~~OW~~ ~~RQ~~ ~~DFH~~  
 ‡ 7KH MDFN LV FRUUHFWO\ FHQWHUHG  
 ‡ 7KH MDFN KHDG E ~~HN~~ ~~OW~~ ~~N~~ ~~UD~~ ~~Q~~ ~~M~~ ~~WD~~ ~~Q~~ ~~G~~ ~~H~~  
 ‡ 7KH OLIW IRUF ~~HH~~ ~~Q~~ ~~V~~ \DSSOLHG H  
 3URSHU PDLQWHQDQFH RI MDFS ~~NO~~ ~~VO~~ ~~L~~ ~~W~~ ~~D~~ ~~H~~ ~~N~~ ~~V~~ ~~H~~  
 PXVW EH OYTUUÂf9 < 56 H·M· F&cóDJ

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26+ \$FDQSURYLGHH[WHQVLYHKHOSWKURXJKDYDULHWARISURJUDPV  
LQFOXGLOJ DVVLVWDQFHDERXWVDIHW\DQGGKHDOWKSURJUDPVVDWHSODQ  
ZRUNSODFHFRQVXOWDWLROVYROXQWU\ SURWHFWLROSURJUDPVVDWUDW  
SDUWQHUVKLSVWUDLQLQJDQGHGXFDWLRQDQGPURH

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

7R DVVLVW HPSOR\HUVYDQQR \$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 HROYCHSDFE  
26+ \$

7KH JXLGHOLQH V LGHQWLI\ IRP À€@  
S dj- ` \ JXC000€PđÀ`°”žAĀaĐ€p±^LQ QJR D°ÀQG  
YLW [+2\$ Ò° @

7KH JXXEOLVKHGLQ XEOQF Ä‘p À p5€p0 SF



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

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

26+\$ DZDUGV JUDQWV WKURXJK LWV 6XVDC  
3URJUDP WR QRQSURILW RUJDQLJDWLRQV WF  
WUDLQLOJ DQG HGXFDWRURQHWURVHPSORJHUZR  
€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 2IIL  
 RU SKRQH 6S HJXLQD WGLRQSH  
 'RFXPHQWV DQG 7HFKQLFDO ,QIRUPDWLRQ R  
 2UGHU 1R 6 1 7KH SULFH LV S  
 RYHUVH DV SHU VLQR HUFVSDV

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 YHUVHDRV

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

2UGHU 1R YHUVH RV

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

&RGH -6+ DQQXDO VXEVFULSWLRQ

FRSLHV

IRUHLJQ 2UGHUQPHQW

3ULQWLQJ 2IILFH 6XSHULQWHQGHQWRI'RF  
 )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 ,QG XVWU\  
 1DWLRQDO /LIH %XLOGLQJ  
 'UDZHU  
 1DWLRQDO /LIH 'ULYH  
 0RQWSHOLHU 97

## State

## Telephone

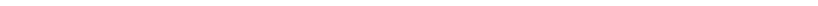
**\$ O D E D P D**  
**\$ O D V N D**  
 \$ U L ] R Q D  
 \$ U N D Q V D V  
 & D O L I R U Q L D  
 & R O R U D G R  
 & R Q Q H F W L F X W  
 ' H O D Z D U H  
 ' L V W U L F W R I & R O X P E L D  
 ) O R U L G D  
 \* H R U J L D  
 \* X D P  
 + D Z D L L  
 , G D K R  
 , O O L Q R L V  
 , Q 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  
7HQQHVHH  
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  
'HQYHU & 2  
7HOHSKRQH

**Region IX**

(American Samoa, AZ,\* CA,\*  
Guam, HI,\* NV,\*  
Commonwealth of the  
Northern Mariana Islands)  
6WHYHQVRQ 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 SURJUDP & 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