

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

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 VDIKIDW\ 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 deLo QGXVW

F00031*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

+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
FHQWLPHWHU V LQ GLDPHWHU PXVW EH HTX
\$Q XSSHU JXDUG PXVW FRYHU WSKUHFWQWDFWH
DEOH ORZHU JXDUG PXVW FRYHU WSKUHFWQWDFWH
PDNHV FRQWDFW ZLWK WKH ZRUN PDWHULDO
DXWRPDWLFDOO\YUHHWQJURWRWLRWKRHQFRKHQ WK
ZLWKGUDZQ IURP WKH ZRUN PDWHULDO

7KH IROORZLQJKDQGGKHOGRSRZHUWRROVPXVWEHTXLSSHGZLWKD
ZLWKGUDZHG Gp EE QD



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

(PSOR\HHVXLQJHOHFWULFWRROVPXVWEHJH RI VHYHUDO C
 \$PRQJ WKH PRVW VHULRXV XUDQDUDGQGDVUHRHM

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

7R SURWHFW WKH XVXUQIVURHOMKFWNLBQGRH
 KDYH D WKUHH ZLUH FRUG ZLWK D JURXQG
 JURXQGHG UHFHSWDFOH EH ZHRXHEGHE\LDVOR
 YROWDJH LVRODWLRQ WUDQVIRUPHU 7KUH
 FDUU\LQJ FRQGXFWRUV DQG \$QJURXQGHGQJF
 DGDSWHU LV XVHG WR DFRPPRGDWH D WZR
 ZLUH PXVW EH DVZQDERKQQR7BHNQVKLUG SU



(HSURWHFWLRQLVUHTXLUHGDQGHGDOGH SURWHFWLRQ L
UHFRPPHQGHG IRU HPSOR\HHV ZRUNLQJ ZLW

6FUHHQV PXVW DOVR EH VHWXSUWHSURWH
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 OHYHO³KLJK RU ORZ YHORFLW\³WKI
 SRZGHU DFWXDWHG WRRO ~~ROQ~~ ~~ZHMKVXDU~~ 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 ; ÀI p ð 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\FHQHZKXQQ
 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\WV\OIQ
 VWHHO DQ\ F\Q\W\KWK\B\FHWLPHWHUV IU
 XQVXSSRUWHG FRUQHU HGJL[XQ\HUVVRD M
 LV XVHG

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

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

\$OO MDFNV³LQFOXGLQJ OHYH\MDQGVU\DW\GK
 K\GUDXOLF MDFNV³PXVW KDYH D VWRS LQGI
 QRW EH H[FHHGHG \$OVR WKH PDQXIDFWXU
 SHUPDQHQW\PDUNHG LQ D SURPLQHQW SOD
 OLPLW PXV\W\HQ\W\G\H H

\$ MDFN VKRXOG QHYHU EH XVHG WR VXSSRU
 ORDG KDV EHHQ OLIVHG LW PXVW LPPHGLDW
 XQGHU WKH EDVH RI WKH MDFN\ZK\HQ\W\K\SDR
 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 MDFS ~~NO~~ ~~VO~~ ~~LW~~ ~~D~~ ~~H~~ ~~N~~ ~~V~~ H
 PXVW EH OYTUUÂf9 < 56 H·M· F&có DJ

26+ \$FDQSURYLGHH[WHQVLYHKHOSWKURXJKDYDULHWARISURJUDPV
LQFOXGLOJ DVVLVWDQFHDERXWVDIHW\DQGGKHDOWKSURJUDPVVWDWHSODQ
ZRUNSODFHFRQVXOWDWLROVYROXQWU\ SURWHFWLROSURJUDPVVWUDW
SDUWQHUVKLSVWUDLQLOJDQGHGXFDWLRQDQGPURH

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

7R DVVLVW HPSOR\HUV YHQCR \$IPQOR\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`°”žAĀaĐ€p±^LQ QJR D°ÀQG
YLW [+2\$ Ò° @

7KH JXXEOLVKHGLQ XEOQF Ä‘p À p5€p0 SH





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



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

26+\$ DZDUGV JUDQWV WKURXJK LWV 6XVDC
 3URJUDP WR QRQSURILW RUJDQLJDWLRQV WF
 WUDLQLOJ DQG HGXFDWRURQHWVHPSORVHUZRUR
 €3A0P PF ø€ä@ 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 RQW RDU W 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 6XSHULQWHQGHQW RI '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

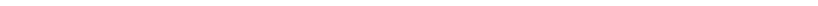
\$ O D E D P D
\$ O D V N D
 \$ U L] R Q D
 \$ U N D Q V D V
 & D O L I R U Q L D
 & R O R U D G R
 & R Q Q H F W L F X W
 ' H O D Z D U H
 ' L V W U L F W R I & R O X P E L D
) O R U L G D
 * H R U J L D
 * X D P
 + D Z D L L
 , G D K R
 , O O L Q R L V
 , Q G L D Q D
 , R Z D
 . D Q V D V
 . H Q W 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*)
-).) HGHU DO % 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 , QGSHSHQGHQFH
3KLODGHOSKLD 3\$
7HOHSKRQH

Region IV

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

Region V

(IL, IN,* MI,* MN,* OH, WI)
6RXWK 'H DUERU
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)
6WHYHQV RQ 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 HIIHFwLYH DV WKI



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