

Cushion-Grip Screwdrivers

- Made of highest quality tempered steel
- Heat treated for maximum strength
- Shafts have integral flanges that provide an extra-strong, torque-proof anchor in the handle
- Strong, durable black tips are forged & precision ground to fit screw openings securely
- Cushion grip handle allows for greater torque & comfort, have color coded ends & are oil, gas & water resistant
- Premium chrome plated for smooth feel & corrosion resistance
- Meets or exceeds ANSI specifications

Slotted Screwdriver









Cat No.	Shank Tip Width	Shank Length	Overall Length	Box Qty	Each
54102	1/4"	1-1/2"	3 5/8"	12	
54104	7/32"	3"	6 3/4"	12	
54106	1/4"	4"	8 1/4"	12	
54108	1/4"	6"	10 1/4"	12	
54110	3/8"	8"	12 3/4"	6	

|--|--|--|

Cat No.	Shank Tip Width	Shank Length	Overall Length	Box Qty	Each
54112	1/8"	3"	5 3/4"	12	
54114	1/8"	4"	6 3/4"	12	
54116	1/8"	6"	8 5/8"	12	

Phillips Screwdriver •







Cat No.	Point size	Shank Length	Overall Length	Box Qty	Each
54122	No. 2	1-1/2"	3 1/2"	12	
54124	No. 1	3"	6 3/4"	12	
54126	No. 2	4"	8 1/4"	12	
54128	No.3	6"	10 3/4"	6	

Cat No.	Point size	Color Code	Shank Length	Overall Length	Box Qty	Each
54132	No. 0	yellow	4"	8 1/4"	12	
54134	No. 1	green	4"	8 1/4"	12	
54136	No. 2	red	4"	8 1/4"	12	
54138	No.3	black	4"	8 1/4"	12	

Nut Driver





Cat No.	Hex Size	Color Code	Shank Length	Overall Length	Box Qty	Each
54142	3/16"	black	3"	7 1/4"	6	
54144	1/4"	red	3"	7 1/4"	6	
54146	5/16"	yellow	3"	7 1/4"	6	
54148	11/32"	green	3"	7 1/4"	6	
54150	3/8"	blue	3"	7 1/4"	6	
54152	7/16"	brown	3"	7 1/4"	6	
54154	1/2"	red	3"	7 1/4"	6	



6 in 1 Interchangeable **Screwdriver Set**



6 Sizes **Double Ended Bits**

- **3/16**" & 1/4"
- **1** #1 & #2
- 5/16" & 1/4"

Cat No.	Box Qty	Each
54212	6	

8 in 1 Telescoping Pickup **Tool Screwdriver Set**



• 18" Telescoping Pick-Up Tool

3/16"

#1

1/4"

#2

O T-15

\$\\ #3

T-20

Cat No.	Box Qty	Each
54214	6	

6 Piece Screwdriver Set



- **3/16" X 3"** 3/16"X 6" 1/4" X 4" 5/16"X 6"
- **(1)** #1 X 3" #2 X 4"

Cat No.	Box Qty	Each
54216	6	

7 Piece Nut Driver Set



3/16"X 3" 1/4" X 3" 5/16"X 3" 11/32" X 3" 3/8"X 3" 7/16" X 3" 1/2"X 3"

Plastic Carrying Case

Cat No.	Box Qty	Each
54218	6	

40 Piece Ratchet Driver Socket & Bit Set



- 1-Reversible Ratcheting Driver 1-Mini Driver 1-1/4" Dr. Adapter 1-3/16" (L)
- 23 Bits 1-3/16" (L)
- 14 Nutdriver Bits
 - **3/16**" 1/4" 9/32"
 - **(1)** #1 #2 #3
 - O S-1 S-2
 - 1/16" 5/64" 3/32" 1/8" 5/32" 3/16" 7/32" 1/4"
 - ↑ T-10 T-15 T-20 T-25 T-27 T-30 T-40
- Nutdriver Bit SAE: Nutdriver Bit Metric: 3/16" 1/4" 5/16" 11/32" 6mm 7mm 8mm 9mm 3/8" 7/16" 1/2" 10mm 11mm 12mm

19 - in - 1 Interchangeable **Ratcheting Screwdriver Set**



- Nut Driver Shank 5/16" x 1/4"
- Ratcheting driver with 7/16" nut

8pc 3" Double ended Bits

- Slotted 5/16" x Phillips #3
- Slotted 1/4" x Phillips #2
- Slotted 3/16" x Phillips #1
- Star T10 x Star T15
- Star T20 x Star T25
- Square S1 x Square S2
- Hex 5/32" x Hex 1/8"
- Hex 3/16" x Hex 1/4"
- **3/16**"& **41 1**/4" & **1**
- T20 & T25
- **●**5/16"& **●** 1/4"

- OS1 & OS2
- **7/16**

- **5/16**"& **3**#3
- T10 & T15
- ♣ 5/32"&
 ♣ 1/8 3/16"& 1/4

Cat No.	Box Qty	Each
54222	6	

Cat No. **Box Qty** Each 54220



1000 Volt Cushion Grip Insulated Screwdrivers



- 1000 Volt Rated
- Professional Quality
- Comfortable ABS & Neoprene Cushion Grip
- Impact Handle is oil & acid resistant
- VDE Tested to ensure 100% safety
- S2 Steel Blade for Extra Strength
- Blade has a Strong Magnetic Tip
- Includes Plastic Hanger for Pegboard Hanging
- Safety Red for Quick Identification

Cat No.	Size	Blade	Box Qty	Each
52012	3/32 X 3"	Slotted	12	
52014	5/32 X 4"	Slotted	12	
52016	7/32 X 5"	Slotted	12	
52018	1/4 X 6"	Slotted	12	
52020	5/16 X 7"	Slotted	12	
52024	#1 X 3"	Phillips	12	
52026	#2 X 4"	Phillips	12	
52028	#3 X 6"	Phillips	12	

Ergonomic Cushion Grip Screwdrivers



- Professional Quality
- Comfort Cushion Grip
- Chrome Molybdenum Vanadium Steel for extra strength
- Impact resistant, oil & acid resistant handles
- Blade surface has satin finish and tough heat treatment
- Blade has strong magnetic black tip
- Includes plastic hanger for pegboard hanging

Cat No.	Size	Blade Tip	Box Qty	Each
52112	1/4" x Stubby	Slotted Wide Tip	12	
52114	5/32" x 3"	Slotted Wide Tip	12	
52116	1/4" x 4"	Slotted Wide Tip	12	
52118	5/16" x 6"	Slotted Wide Tip	12	
52120	5/16" x 8"	Slotted Wide Tip	12	
52122	5/32" x 3"	Slotted Narrow Cabinet Tip	12	
52124	1/4" x 6"	Slotted Narrow Cabinet Tip	12	
52126	1/4" x 8"	Slotted Narrow Cabinet Tip	12	
52128	#2 x Stubby	Phillips Tip	12	
52130	#1 x 3"	Phillips Tip	12	
52132	#2 x 4"	Phillips Tip	12	
52134	#3 x 6"	Phillips Tip	12	
52142	4"	Awl Pointed Tip	12	

1000 Volt Insulated Screwdrivers 6 Pack Box



#52090 6 Pack Box Includes:					
QTY	Cat No.	Size	Blade		
1	52012	3/32 X 3"	Slotted		
1	52014	5/32 X 4"	Slotted		
1	52016	7/32 X 5"	Slotted		
1	52018	1/4 X 6"	Slotted		
1	52024	#1 X 3"	Phillips		
1	52026	#2 X 4"	Phillips		

Cat No.	Description	Box Qty	Each
52090	6 Pack	24	

Ergonomic Cushion Grip Screwdrivers 7 Pack Box



# 52190 7 Pack Box Includes					
Qty	Cat. No.	Size Blade Ti			
1	52114	5/32"x3"	Slotted Tip		
1	52116	1/4"x4"	Slotted Tip		
1	52118	5/16"x6"	Slotted Tip		
1	52120	5/16"x8"	Slotted Tip		
1	52130	#1 x 3"	Phillips Tip		
1	52132	#2 x 4"	Phillips Tip		
1	52134	#3 x 6"	Phillips Tip		

Description	Box Qty	Each
7 Pack	20	
	-	7 Pack 20

1000 Volt Insulated Precision Screwdriver Set



- 1.5 X 2" 1.8 X 2" 2.0 X 2" 2.5 X 3" 3.0 X 3"
- 00 X 2" 0 X 2 3/8"
- 7 piece set includes plastic case with see thru lid
- · Blade made of high alloy special steel
- Rotating cap for precise turning & control with fingertip
- Comfortable ABS & Neoprene Cushion Grip
- · Impact Handle is oil & acid resistant
- VDE Tested to ensure 100% safety

Cat No.	Box Qty	Each
54232	12	



10 Piece High Impact Screwdriver Set



- High Impact Screwdriver has been ergonomically designed. The shaft is continuous from top to bottom & has been created using impact-resistant and coldresistant steel material made from CRM ova
- Use on any metal or non-metal such as steel, wood, porcelain, mineral...etc
- Can use it as a punch, chisel, screwdriver, & pry bar
- Can use with a wrench for more torque
- It can take 3000G impact of hammer

Cat No.	Case Qty	Each
54236	12 sets	

WW/

Hex-Key Sets

- Handy sets fit your pocket or tool box easily and help eliminate the lost-key problem
- Keys are tough, heat-treated alloy steel for strength and durability & fold into handle
- Can be used straight out or at an angle for extra leverage
- Durable steel case doubles as a handle
- 10 pcs per inner box, 100 pcs per master box

Cat No.	Description	Handle Length	Key Lengths
54312	Nine-key inch set:5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"	4-1/4" (108mm)	1-3/4" - 3-1/2" (44mm-89mm)
54314	Eight-key inch set: .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32"	3-1/16" (78mm)	1-1/2" - 2-3/8" (38mm-60mm)
54316	Five-key inch set: 3/16", 7/32", 1/4", 5/16", 3/8"	5-1/4" (133mm)	3"- 4-5/8" (76mm-117mm)
54318	7 Key metric 1.5mm, 2mm, 2.5mm 3mm, 4mm, 5mm, 6mm	3-5/8" (92mm)	1-5/8 - 3" (41 - 76mm)
54320	7 piece torx (star) T10, T15, T20, T25, T27, T30, T40	4-1/4" (108mm)	2-1/8 - 3" (54-76mm)

Ergonomic Cushion Grip Screwdriver 29 Piece Magnetic Bit Set

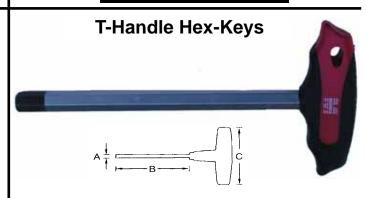


Meet all your Screwdriver needs with this one Set

- Professional Quality, Impact Handle is oil/acid resistant
- Comfortable ABS & Neoprene Cushion Grip

Set Contents in Plastic Blowmold Case:
1-Magnetic driver
1-Bit Holder
1-1" socket adapter
1" CrVa bits listed below
4 - Phillips Bits (PH) 0. 1. 2. 3
4 - Pozi Bits (PZ) 0. 1. 2 . 3
6 - Hex Bits (HEX) 3/32 1/8 5/32 3/10 7/32 1/4
4 - Slotted Bits (SL) 5/32 3/16 1/4 9/32
5 - Star Bits (TX) T10 15 20 25 30
3 - Square Bits (R) 0. 1. 2

Cat No.	Case Qty	Each
52172	24 Sets	



- T-handle design delivers more torque to the fasteners
- Cushion grip handle molded onto L-shaped blade
- Ergonomic handle for maximum comfort & strong torque
- Smooth edges prevent injuries & eliminates pressure marks
- Blade is hardened, nickel plated, S2 high quality steel
- · Hole for hanging

Measurement = Inches

	weasurement = inches			
Cat No.	Α	В	С	Each
54322	3/32	3.94	3.15	
54326	1/8	3.94	3.15	
54330	5/32	5.91	3.15	
54332	3/16	5.91	3.94	
54336	1/4	5.91	3.94	
54338	5/16	7.88	3.94	
54340	3/8	7.88	4.72	
54342	1/2	7.88	4.72	



High Leverage Cushion Grip Ergonomic Pliers



- Chrome vanadium steel drop forged induction hardened cutting edges
- Special high leverage design for cutting power
- Soft material ergonomic grain design for comfortable, durable, non-slip grip
- Meets standard cutting & load test
- Serrated jaws provide an excellent gripping surface
- Lay-on joint
- Spring loaded (except groove joint & slip joint pliers) for more comfort & higher frequency cutting
- Groove joint pliers have precision milled ribs to assure smooth, positive interlock



Cat No.	Description	Length	Box Qty	Each
54032	Long Nose Pliers	6"	6	
54034	Long Nose Pliers	8"	6	
54036	Linesman Pliers	8"	6	
54038	Diagonal Cutting Pliers	7"	6	
54040	Slip Joint Pliers	8"	6	
54042	Groove Joint Pliers	10"	6	

1000 Volt Insulated Safety Pliers



Long Nose Pliers



Bent Long Nose Pliers

- Professional Quality
- EN60900 VDE Tested to Ensure 100% Safety
- Meets OSHA IEC & ASTM standards
- Safety Ergonomic Soft Handle
- Drop Forged & Heat Treated Chrome Vanadium Steel
- Blade has a Strong Magnetic Tip
- Induction Hardened Cutting Edges



Linesman Pliers



Diagonal Cutters



Wire Strippers

Cat No.	Description	Length	Box Qty	Each
54012	1000v Insulated Long Nose Pliers	6"	6	
54014	1000v Insulated Long Nose Pliers	8"	6	
54016	1000v Insulated Bent Long Nose Pliers	8"	6	
54018	1000v Insulated Linesman Pliers	8"	6	
54020	1000v Insulated Diagonal Cutters	7.5"	6	
54024	1000v Insulated Wire Strippers	7"	6	



Lineman Pliers with Cutter and Crimper



- High-leverage tool with crimping die and side cutters
- Crimping die at the hinge for crimp sleeve connectors
- · Comfort grip handles

Cat No.	Length	Box Qty	Case Qty	Each
54052	9.5"	6	36	

End Cutting Crimping Pliers



- Designed for crimping non-insulated solderless terminals 10-22Awg
- Specially hardened wire cutter in nose
- Forged high carbon steel
- Tapered nose for working in confined spaces
- Red plastic-dipped handle for comfort

Cat No.	Length	Box Qty	Case Qty	Each
54054	8"	8	72	

Heavy Duty Adjustable Wrench with Cushion Handle



- Chrome vanadium steel drop forged
- Torque excess 25% than standard
- Inch Measuring Scale
- Ergonomic design for comfortable grip
- Lightweight design reduces fatigue
- Extra long & wide jaw for tight & hard reach areas



Wide Handle Thickness
Ergonomic and wider
handle design can
reduces the pressure on
your hand and makes it
comfortable and easy to
use



Weight Reduce Light weight design reduces fatigue



Measurement
Inch measuring scale
can easily size
the bolt & nut



Wide Jaw Opening
Wide capacity design
makes the wrench work
on larger bolts & nuts



Extra Long Jaw Length
Extra long and wide jaw
for tight and hard to reach

Cat No.	Length	Jaw Opening	Box Qty	Case Qty	Each
54062	6"	.94"	6	72	
54064	8"	1.13"	6	48	
54066	10"	1.30"	6	36	
54068	12"	1.52"	4	24	

Curved Claw Hammer with Fiberglass Handle



- Polished, forged tempered steel head
- Comfortable TPR grip bonded to handle
- High-Strength fiberglass shaft absorbs shock & keeps head tight
- Durable plastic-alloy jacketing helps to protect neck from fraying or splintering if incorrectly struck or overstruck

Cat No.	t No. Description		Case Qty	Each
54072	20 oz Claw hammer	6	36	



12/2 & 14/2 NM Cable Stripper/Cutter



- 12/2 & 14/2 stripping slots quickly remove outer jacket of Type NM-B non-metallic sheathed cable
- Precision ground stripping holes easily remove insulation on 12 & 14 AWG lead wires
- Bolt cutter 6-32, 8-32, 10-32
- Copper wire cutter has precision shear-type blade
- Strong gripping serrated nose for easy bending and pulling of wires
- Narrow nose fits into tight places
- · Holes in jaw for quick wire looping and bending
- Spring-loaded for self-opening action
- Opening stop prevents spring from disengaging
- Stainless steel body for maximum corrosion resistance
- · Laser etched markings for high visibility
- Ergonomic, cushioned handles for ultimate comfort & control

Cat No.	Length	Box Qty	Case Qty	Each
54432	7 1/4"	10	60	

Wire Stripper & Cutter and Bolt Cutters



- 10-20 AWG precision ground stripping holes easily remove insulation
- Copper wire cutter has precision shear-type blade
- Bolt cutters 6-32, 8-32, (10-32 only 54428)
- Strong gripping serrated nose for easy bending and pulling of wires
- Narrow nose fits into tight places
- Holes in jaw for quick wire looping and bending
- Spring-loaded for self-opening action
- Opening stop prevents spring from disengaging
- Stainless steel body for maximum corrosion resistance (54428)
- Chrome tin plated body for maximum corrosion resistance (54426)
- Lock tab protects cutting edge during storage (54426)
- Laser etched markings for high visibility
- Ergonomic, cushioned handles for ultimate comfort & control

Cat No.	Length	Handle	Box Qty	Case	Each
54426	7 3/8"	Curved	10	60	
54428	6 3/4"	Straight	10	60	

5 In 1 Stripper/Crimper/Cutter



- 10-20 AWG precision ground stripping holes easily remove insulation
- 10-22 AWG insulated & non-insulated terminal crimper
- #310, 311, 410, 411 and coax crimper
- Copper wire cutter has precision shear-type blade
- Bolt cutters 5-40, 10-24, 4-40, 6-32, 8-32, 10-32
- Strong gripping serrated nose for easy bending and pulling of wires
- Narrow nose fits into tight places
- Holes in jaw for quick wire looping and bending
- Stainless steel body for maximum corrosion resistance
- Laser etched markings for high visibility
- Ergonomic, cushioned handles for ultimate comfort & control

Cat No.	Length	Box Qty	Case Qty	Each
54430	8 1/4"	10	60	



Adjustable Stripper with Spring & Lock



- · Hardened carbon steel with oxide finish
- · Pivot joint has hardened steel bushing
- · Soften plastic anti-slip cushioned grip
- Precision ground blades for consistent stripping and cutting
- Adjustable setting allows ease of use to eight settings
- 10-24 Awg Wire Size

Cat No.	Length	Box Qty	Each
50130	5"	20	

Wire Cutter



- Rust resistant
- Hardened carbon steel cutter with oxide finish
- Return spring
- · Pivot joint has hardened steel bushing
- Soften anti-slip cushioned grip
- Precision CNC ground fabricated blades
- Cuts 30-10 AWG copper wire

Cat No.	Length	Box Qty	Each
54414	6.5"	10	

Wire Stripper & Cutter



- Precision ground blades ensure consistent stripping & cutting
- · Heat-treated for long life
- · Cushioned-grip handle for comfortable use
- Serrated nose grip handle for comfortable use
- Stamped from high-carbon tool steel
- Pivot joints have hardened steel bushings
- Rust-resistant black oxide finish
- Hole in jaws for looping wires
- Opening stop prevents spring from disengaging
- Lock tab protects cutting edge during storage
- Easy-to-read graphics
- 10-20 AWG wire size

Cat No.	Length	Box Qty	Case Qty	Each
54422	6.5"	10	60	

5-In-1 Stripper/Crimper/Cutter



- Extra-narrow nose for getting into tight places
- Machined stripping stations with a positive stop provide precise stripping diameters
- Wire looping holes in jaw
- 10-22 Awg Strippers
- Bolt Cutter 5-40, 10-24, 4-40, 10-32, 8-32, 6-32
- Insulated & non-insulated terminals 10-22 Awg
- Ignition Terminals
- Wire Cutter
- Smooth, rounded pivot bolt won't catch in tool pouch
- Easy-to-read graphics
- Comfortable, cushioned grips

Cat No.	Length	Box Qty	Case Qty	Each
54424	8"	10	60	



Round Cable and Wire Cutter



- Round cable and wire cutter cuts coaxial cable up to RG-9U
- Cuts multi-conductor cable up to 0.5"
- Cuts solid or standard wire up to #8 AWG
- Has a built in return spring
- Locking latch
- · Soft handles for a comfortable grip
- Frame made from stamped, hardened steel with curved cutting blades

Cat No.	Each
54434	

100 Pair Group Cutter



- Cuts round communication cable 2/0 cable, 100 pair group telephone cable and RG-174/RG-9 coax cable
- Maintains cable geometry for better cable performance
- Cuts like a tool twice its size
- Precision ground cutting blades
- · Rust resistant black oxide finish
- Frame is stamped from high carbon steel & heat treated for long life
- · Built-in return spring
- · Plastic molded handles
- Safety lock to keep the tool blades closed and pouch ready

Cat No.	Each
54436	

Center Conductor Cutter



- Precisely trims the center conductor of coaxial cable to a standard length of 3/16" for proper insertion into a dual crimp coax connector
- Stamped from high carbon tool steel
- · Heat-treated for long life
- Cushioned handle grip
- · Rust resistant black oxide finish

Cat No.	Each
54438	

Impact Punch Down Tool



110 Blade

- For seating wire into terminated blocks & cutting off wire end after termination
- Spring loaded for fast & low-effort wire seating termination
- · Effortless punch down tool impact absorbing cushioned
- Grip reduces operator stress for high volume installers
- · Adjustable high/low action setting
- Spare blade storage compartment with unique locking device

Cat No.	Description	Each
54562	Punch Down Tool with 110 blade	
54564	66 Blade	
54565	110 Blade	
54566	66/110 Blade	



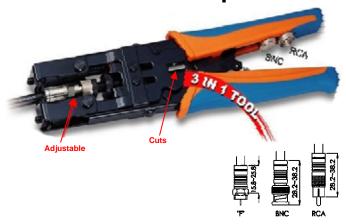
Professional Automatic Wire Stripper



- Auto-adjusting stripper and terminal crimper
- One-step stripping action reduces stripping time for increased productivity
- Spring action mechanical advantage increases stripping leverage and reduces operator fatigue
- Advanced sintered material blades and sturdy diecast frame provides long, trouble free life
- Cuts 10-24 AWG
- Strips 8-30 AWG
- Length gauge facility ensures uniform stripped ends
- Crimps insulated/non-insulated/open barrel terminals

Cat No.	Length	Box Qty	Case Qty	Each
54442	8"	10	60	

Professional Waterproof Connector Crimping Tool



- Ratchet mechanism
- RG 58/59/62/6 (3c/4c/5c)
- Adjustable type
- Terminates F, RCA & BNC fittings
- Built-in cable cutter
- Smooth one-cycle full ratchet mechanism
- Emergency Ratchet release lever
- Rugged carbon hardened steel construction
- Comfortable grip handles for reduced hand fatigue

Cat No.	Length	Box Qty	Each
54444	9.1"	10	

Economy "F" Connector Crimping Tool



• Terminates 'F' connectors for RG6, RG59, RG62, & Belden 8281 cable

Cat No.	Length	Box Qty	Each
54448	7 1/2"	10	

Economy Crimper/Stripper Screw & Wire Cutter



- Strips and cuts 10-22 AWG wire
- Cuts & rethreads 4-40, 6-32, 8-32, 10-24, & 10-32 bolts
- Accurate crimping of bare & insulated terminals & crimps sleeves
- · Cushioned grips for comfort
- Color-coded dies correspond to color of terminal insulation to assure proper die selection

Cat No.	Length	Length Box Qty	
50160	8"	25	



Professional Telephone Crimp/Cut/Strip Tool



- Cuts, strips, crimps
- Precision casting jaw
- Rust resistant high carbon steel frame
- Handle lock
- Safety cover
- TPR handle for comfort
- · Ergonomically designed handle

Cat No.	Description	Box Qty	Case Qty	Each
54462	RJ-11/6P4C, RJ-12/6P2C, 6P2C	10	60	
54464	RJ-45/8P8C	10	60	

Professional Dual Modular Plug Crimping Tool

- Multi-functional telephone tool crimps, cuts and strips for easy on-the-job tool application
- Steel frame is made of top quality carbon steel & heat-treated by HRC45° for dependable long life



Ratchet crimp tool for RJ-22 (4 positions) RJ-11 (6 positions) and RJ-45 (8position) modular plugs

Cat No.	Description	Box Qty	Each
54472	Ratchet Crimp RJ11, RJ45, & RJ22	10	

Smart Vise Crimper





Die set No.54493

Suitable for non-insulated terminals 22-8 AWG(0.5mm -10mm)

- Less push strength up to 30%
- Long arm for one or two hand operation
- Adjustable wheel for crimping pressure
- Crimping release knob & handle lock
- Interchangeable crimping modules
- · Ergonomically designed handle
- Less fatigue with HRC 48° ~ 52° middle carbon steel body with comfortable TPR handle when there are long crimping times
- Length: 9-3/4" · Weight: 19oz.

Die set No.54494

Die set No.54491



Suitable for RG58,RG-59/62,BNC/TNC coaxial connectors.Hex,0.255 (6.48mm), 0.213(5.41mm),0.068(1.73mm)

Suitable for insulated terminals/color

22 -10 AWG (0.5mm -6mm)

Die set No.54495

connector,commercial type 22-10 AVVG (0.5mm -6mm)

Suitable for non-insulated open barrel

Die set No.54492





Suitable for RG-59,RG-6 F-type CATV connectors. Hex, 0.35(8.89mm) 0.32(8.13mm) 0.255 (6.48mm)

Die set No.54496





Suitable for RJ-45.8 position keyed or non-keyed modular plugs(excluding

Die set No.54497





Suitable for cord end terminals 22 -10 AWG (0.5mm2-6mm2)

Cat No.	Description	Box Qtv	Case Qty	Each
54482	RG59/RG6 Coax Crimper with Dies	6	36	
54484	Insulated Terminal Crimpier with Dies	6	36	
54491	Insulated Terminal Die Only	1	_	
54492	Non-Insulated Open Barrel Connector Die Only	1	_	
54493	Non-insulated Terminal Die Only	1		
54494	RG-58, RG-58/62 Die Only	1	_	
54495	RG-59, RG-6 Die Only	1		
54496	RJ-45 Die Only	1	_	
54497	Cord End Terminal Die Only	1	_	
54499	Crimper with 6 Dies in Case (54491~54496)	1	20	



Rotary Coax Strippers





54512

- For RG58, 59, 62, 6
- 2 Blade
- One Pocket-Sized Stripper Body Enables The Technician Who Works with a Variety of Cable and Connectors to Get Fast, Quality Multi-Level Strips in One Operation
- Just Insert the Cable, Lock the Blade Cartridge in Place, Twist & Pull
- Blister Packed

Cat No.	Box Qty	Each
54504	20	
54512	25	

UTP/STP & Flat Cable Stripping & Cutting Tools





- For round Cat3 & Cat5e (UTP & STP) & flat cable & other multi-conductor computer cables
- Computer cable, speaker cable, intercom cable, SPT-1, SPT-2, phone wire & alarm wire
- Irregular Out: shape insulation can be put into the front "V" and "U" guide
- Rotate the tool 1-3 times by index finger for stripping the outer insulations easily
- · Adjustable knob for fitting different cable sizes

Cat No.	Multi-Conductor OD Range	Box Qty	Each
54508	.102"315"	20	
54518	.138"354"	10	

Easy Stripper for UTP/STP Telecom Wire



- Quickly & easily strips UTP/STP & Telecom Wire without scoring the individual conductor
- · Compact design for easy handling
- Tension release lever for easy positioning & release of cable
- For stripping Wire Diameter Φ.197"-.244" (5-6.2mm)
- Made of poly-resin

Cat No.	Box Qty	Each
54514	50	

PVC Pipe Cutter



- Metal Construction, Makes Clean, Burr-Free Cuts Through PVC
- Ratchet-Action Design For Maximum Cutting Power with Little Effort
- 50110 & 50112 are Blister Packed

Cat No.	Description	Max Cutting Diameter	Each
50110	Medium-Duty	1"	
50112	Heavy-Duty	1 1/4"	
50115	Heavy-Duty	2"	
51010	Replacement	50110 Blades	
51012	Replacement 50112 Blades		
51014	Replacement	50115 Blades	



Aviation Tin Snips



- Non-slip serrated edges & non-slip textured grain cushion grip
- Cuts up to .047" cold rolled steel or 0.028" stainless steel

- Makes long fast cuts in paper, plastic, sheet metal, aluminum, vinyl siding, screening & much more
- Chrome-Molybdenum alloy steel induction hardened forged blades for greater strength and longer durability
- Hang-up hole provided for convenient storage
- New quick and simple spring-free automatic latch design (one hand release) provides safety and convenience
- Special hardened and tempered process refines the steel's grain size providing enough strength to cut KEVLAR®

Cat No.	Description	Box Qty	Case Qty	Each
54352	Aviation Tin Snip Left Cut	6	36	
54353	Aviation Tin Snip Right Cut	6	36	
54354	Aviation Tin Snip Straight Cut	6	36	

Lock Grip Pliers



- Can be used as hand vise, pipe wrench, clamp, pliers, etc.
- 10" Curved Jaw-chrome vanadium applies pressure on all points of any style nut or bolt

- 1-7/8" jaw capacity adjusts easily to lock at any size with desired amount of pressure
- Quick release lever opens jaws fully & removes pressure instantly
- Can also be used as non-locking pliers
- Top-Grade alloy steel, heat treated for maximum strength and durability
- · Nickel plated finish

Cat No.	Description	Box Qty	Each
54362	10" Lock Pliers	6	
54363	10" Lock Pliers with cutter	6	

Cable Tie Gun







- Economical 'Pistol' Style Gives User Improved Comfortable Feel to the Tool
- Tension Adjustment Allows the User to Adapt the Tool to the Size of the Tie
- Automatic Cut-Off Eliminates Sharp Edges on Ties
- Blister Packed

Cat No.	Maximum Tie Width	Gun Casing	Each
50230	.189 Inches	Molded Nylon	
50240	.370 Inches	All Metal	
50250	.189 Inches	All Metal	

Cable Tie Gun for Stainless Steel Ties



- Semi-auto module enables tightening & cutting stainless steel ties
- After the stainless steel tie has been tightened user pushes down the round steel bar at side & can easily cut the tie
- Works with all tie widths

Cat No.	Each
50260	



Aluminum Handle Wire Cutter



- Maximum Wire Size: 600MCM Copper/Aluminum
- Aluminum Alloy Handles with Large Rubber Grips for Greater Strength, Comfort and Leverage
- Shear Type Blades are Made of Forged, Heat Treated Steel and Precision Ground for Clean Cuts

Cat No.	Length	Weight	Each
50040	23.6"	4.6 lbs.	

Steel Handle Wire Cutter



- Maximum Wire Size: 750MCM Aluminum & 1000MCM Copper
- Shear Type Blades are Made of Forged, Heat Treated Steel and Precision Ground for Clean Cuts
- Heavy-Duty Design for Long, Dependable Service
- Steel Handles with Large Rubber Grips for Greater Strength, Comfort and Leverage

Cat No.	Length	Weight	Each
50050	30"	6.2 lbs.	

Hand Wire Cutter



- Maximum Wire Size: 2/0 Copper/Aluminum
- Heat Treated, Precision Ground Shear Action for Clean Cuts
- Heavy-Duty Forged Steel Cutter
- High Leverage Handles are Plastic Coated for Extra Comfort and Grip
- Blister Packed

Cat No.	Length	Each
50060	9.8"	

Bolt Cutter



- Great for cutting bolts, steel rods, locks, etc.
- Forged Steel Blades
- Levis Mounted Blades for Greater Strength
- Steel Handle with Large Rubber Grips for Greater Strength, Comfort, and Leverage

Cat No.	Size	Maximum Cutting Diameter	Each
50100	24"	3/8"	



Ratcheting Wire Cutters



- For cutting copper & aluminum cable
- Not for use on ASCR cable or steel wire
- Compact and Portable
- Spring Action Mechanism
- Simple One-Hand Operation
- Less Handle Forces Required
- Heat Treated, Precision Ground Shear Action Blades for Clean Cuts
- Blister Packed

Cat No.	Maximum Wire Size	Length	Each
50070	400 MCM CU/AL	9.75"	
50080	750 MCM CU/AL	9.75"	

Ratcheting Cable Cutter



- Long handles give leverage for easier cutting with 2 hands
- For cutting copper and aluminum cable only
- Capacity up to AWG 1000MCM
- · Compact & Portable only weighs 2lbs.
- Spring action mechanism
- Heat treated, precision ground shear action blades for clean cuts

Cat No.	Length	Case Qty	Each
50083	17"	5	

H-Tap Crimp Tool with '0' & 'D' Nose Dies

U-O Mechanical Crimper for WR Series & H Tap Connectors





Die Set

- For H-Tap Connectors
- 50086 U-BG Die #6 #8 can be used for crimping Entrance Splicers
- Designed for crimping a wide range of overhead service entrance connections, overhead splices, & overhead taps
- D3 die groove serves as a die seat for W type dies
- Easy to use MD-6 type 'POP' tool
- Bent fiberglass handle provides a solid grip, good leverage, & better durability than wood
- Complete crimps are assured with an over-center cam mechanism
- Tool can easily be checked visually for proper adjustment & can be adjusted with an allen wrench

Cat No.	Description	Each
50085	H-tap crimp tool with 'O' & 'D' nose dies	
50086	U-BG Die #6 - #8 (not included with tool)	

MORRIS

TOOLS

Mechanical Lug Crimpers



- For Aluminum & Copper Lugs
- Buy One Tool No Dies To Order, No Dies to Lose
- Cost Less Than Expensive Hydraulic Tools
- Quality Construction High Strength Steel Body
- Adjustable Indentor to Cover a Wide Array of Wire Ranges and Types of Copper and Aluminum Lugs and Splices
- Nest and Indentor Made of High Strength Steel for Durability
- Small Head Convenient in Small Areas
- All Tools Have Rubber Handle Grips
- Model #50008 has a Pull-Out Handle Design which Provides Increased Leverage. At 500 MCM, Model #50008 Requires Less Handle Load Than 250MCM Tools Require at 250 MCM

Cat No.	Wire Range	Housing	Length	Weight	Each
50008	8 - 500 AWG AL 8 - 500 MCM CU	Forged	25"	9.0 lbs.	
50010	8 - 4/0 AWG AL 8 - 250 MCM CU	Cast	22"	6.2 lbs.	
50015	8 - 4/0 AWG AL 8 - 250 MCM CU	Forged	23.4"	7.7 lbs.	
51002	50008 Bolt & V Part Replacement				
51004	50010 Bolt Part Replacement				
51005	50010 V Part & Screw Assembly				
51006	50015 Bolt Part Replacement				
51007	5001	5 V Part Replacen	nent & Screw Asse	mbly	



Right Angle Tri-Tap Portable GFCI



- 120V/15A Automatic Reset
- NEMA 5-15P & (3) 5-15R
- 2 Ft. 12/3 AWG SJTW Cord
- For indoor or temporary outdoor use
- Provides portable protection on tools, appliances, outdoor equipment, etc.
- Great for jobsite, workshop or marina
- 3 outlet power cord GFCI protection against hazardous shock

Cat No.	Case Qty	Each
89000	24	

In-Line Tri-Tap Portable GFCI



- 120V/15A Automatic Reset
- NEMA 5-15P & (3) 5-15R
- 3 Ft. 12/3 AWG SJTW Cord
- For indoor or temporary outdoor use
- Provides portable protection on tools, appliances, outdoor equipment, etc.
- Great for jobsite, workshop or marina
- 3 outlet power cord GFCI protection against hazardous shock

I	Cat No.	Case Qty	Each
I	89006	24	

Single Portable GFCI Adapter





- 120V/15A 3 Wire Grounding
- NEMA 5-15P & 5-15R
- Automatic Reset
- Fits any standard 3 wire outlet
- Provides instant GFCI protection
- Immediately detects ground fault from damaged cords or exposure to water and shuts off power to avoid electrocution
- Use with wet/dry vacs, tools, sump pumps, etc.
- Great indoor protection in the garage, basement and bedroom

Cat No.	Case Qty	Each
89002	24	

4-Outlet GFCI Power Box



- 120V/15A Automatic Reset
- Right Angle GFCI Plug with Power 'ON' LED
- (4) NEMA 5-15R Outlets with Separate Covers for Each Outlet
- (1) NEMA 5-15Plug
- 6 Ft. 12/3 SJTW Cord
- 15A Circuit Breaker
- For indoor or temporary outdoor use
- Provides portable protection on tools, appliances, outdoor equipment. Great for jobsite, workshop or marina

Cat No.	Case Qty	Each
89008	24	

12" High Tension Hack Saw



- Saws conduit, wire, PVC pipe, etc
- Made of cast aluminum with an extra thick tubular steel bar for added strength
- Lightweight & balanced for greater control
- Fully adjustable tension holds blade at up to 28,000 psi which prevents twisting & binding of the blade & provides longer blade life & fast accurate cuts
- Four permanent mounting pins allow both straight cutting & 45 degree angle for flush cutting
- Includes 12", 24 teeth per inch blade

Cat No.	Description	Box Qty	Each
54628	12" High tension Hacksaw	6	
13012	Replacement 12" Hacksaw Blade - 18 Teeth Per Inch	10	
13014	Replacement 12" Hacksaw Blade - 24 Teeth Per Inch	10	
13016	Replacement 12" Hacksaw Blade - 32 Teeth Per Inch	10	

6" Wallboard Saw



- Beveled point allows users to score & make plunge cuts, eliminating drilling before drywall startup
- Cuts through gypsum, plastic board & wallboard easily & removes debris
- Ergonomic style handle with non-slip cushion grip creates a sure & comfortable feel
- 6" aggressive saw teeth
- Super-point for easy penetration

Cat No.	Description	Box Qty	Each
54626	6" Wallboard Saw	10	



Includes
Plastic
Utility
Knife
Holster

Auto Load Utility Knife-Quick Change Retractable Blade



Open the cover to feed 10 new blades into cartridge

- Curved handle design with slip-resistant grip for comfort and ease of use
- · No tools required for quick blade change
- Plastic holster with belt clip for convenient use
- Safety overlap handle design for heavy-duty cutting
- Retractable blade locks in 3 position
- Includes one heavy-duty blade and stores up to 10 blades in handle
- · Fits most standard utility blades

Cat No.	Description	Box Qty	Each
54612	Auto-Load Utility Knife with Holster	6	



Press the button to release used blade



Slide the blade-advance button completely backward to refill new blade



Slide the blade-advance button forward to use normally

Auto Utility Knife & Folding Sport Blade





Quick Change Blade



Push button up to open utility blade and down to close



Press the button to release the sport blade

- Curved handle design with slip-resistant grip for comfort & ease of use
- 8-Blade Auto-loading feature. Open the cover to feed a new blade into cartridge. Stores up to 8 blades in handle (Blades Included)
- · Safety overlap handle design for heavy-duty cutting
- Retractable blade locks in 3 positions
- Fits most standard utility blades
- Sport Blade locks into position

Cat No.	Box Qty	Each
54610	12	



Utility-Knife Blade Dispenser

- Holds 100 Blades (100 blades included)
- Heavy-duty razor-edged blades
- Universal size fits most makes of utility knives
- Blades are reversible for extra life
- Dispenser mounts vertically to dispense one blade at a time
- Measures 2-3/4" W x 1-1/8" D x 5" H

Cat No.	Description	Each Dispensor
54616	Utility-Knife blade dispenser	
	with 100 blades	



Utility-Knife Blades

- Heavy-duty razor-edged blades
- Blades fit standard utility knives
- Blades are reversible for extra life
- 5 blades per package

Cat No.	Description	Each Package
54618	Utility Knife Blades	



Folding Lock-Back Utility Knife



Belt Clip on Back for Easy Carrying

- · Lightweight aluminum handle
- Belt Clip on Back for Easy Carrying
- Quick Change Blade Mechanism
- One Handed Easy Opening
- Spring Blade Release
- Includes 5 Spare Blades

Cat No.	Box Qty	Each
54606	10	

Retractable-Blade Utility Knife



- Retractable blade for safety & convenience
- Lightweight durable metal housing
- Retractable blade locks in 3 position
- Simple blade change
- Blade included
- Blister packed

Cat No.	Box Qty	Each
54614	12	

Cable Splicers Knife and Electrician's Scissors



- Cuts cable, telephone wire and strips insulation
- Tough, tempered steel knife blade holds edge longer & remains sharp
- Full-size no slip easy to grip knife handle provides greater comfort offering better control & less hand fatigue
- Knife has a short, coping-type blade made of the finest cutlery steel
- Scissors cut up to 16 guage solid & 12 guage stranded wire
- Scissors have an upper blade with two stripping notches to strip most insulations from 19-24 AWG

Cat No.	Description	Box Qty	Case Qty	Each
54372	Scissors and knife kit with two-pocket pouch	12	72	
54373	Cable Splicer's knife	12	96	
54374	Electrician's Scissors	12	72	

Pocket Knife - Coping Blade



- · Big, carbon-steel coping-type blade
- Woodgrain handle
- Skins small wire & cable

12/box

Cat No.	Blade Steel	Blade Length	Length Closed	Each
54622	Carbon Steel	3-1/4"	4-1/2"	

Pocket Knife - Sheepfoot Slitting Blade



- Extra-large curved sheepfoot slitting-blade
- Ideal for heavy-duty line work
- Woodgrain handle

12/box

• Blade locks open

Cat No.	Blade Steel	Blade Length	Length Closed	Each
54624	Carbon Steel	3 "	4-1/2"	



Trouble Light – Portable Hand Lamps





- 16/3 SJT Cord
- 13 Amp-125 Volt
- Off/On Push-Thru Switch
- Metal Swing Bulb Guard
- Metal Socket
- Orange Color

- 75 Watt bulb Max (not included)
- Approved under OSHA Standards for general use
- Heat & shock resistant plastic handles
- Cord stay flexible at low temperatures
- Grounded Outlet in Handle

Cat No.	Length	Box Qty	Each
89512	25'	12	
89514	50'	6	

Clamp-On Lamps





- Off/On Push-thru Switch
- Metal Socket
- Max 75 Watt Bulb (not included)
- 10 Amp-125 Volt
- 18/2 SPT-2 Cord
- Spring clamp with Protective Vinyl Sleeve
- Adjustable Ball Joint For Rotating allows light to be positioned in any direction
- Vented 8-1/2" Aluminum Finish Reflector
- 2 Conductor Polarized Plug
- 6 Foot vinyl black cord with polarized plug

Cat No.	Length	Box Qty	Each
89522	6'	12	

Fluorescent Magnet Clamp-On Angle Lamp



- With magnetic back for additional mounting method
- Easy bulb replacement
- Ergonomically designed handle for comfort

- 13 watt 10,000 hour energy-savings bulb burns as bright as a 60 watt incandescent bulb, cool to touch
- Extra 120v grounded outlet on body of lamp
- 25' 15 amp power cord (16/3), on-off rocker switch
- Unbreakable housing & lens, oil & water resistant
- 360⁰ unbreakable swivel hook

Cat No.	Length	Box Qty	Each
89524	25'	8	

Compact LED Rechargeable Work Light/Flashlight



- Battery: 3pcs. Ni-H AA battery. 3.6V/1300mAH
- 110V & 12V Charging
- Water & oil resistant
- Size: 7.1" x 2.6" x 1.2"
- Body Material: ABS



Belt Clip for Easy Carrying

- Ultra Bright 15 LED's, 100,000 Hour bulb life
- · Handy Belt Clip on the back for carrying on your belt
- · Magnet on back for mounting as work light
- Running time 4-5 hours from single charge of 1.5-2 hours charging time
- Switch: On/Off, with a waterproof rubber cover
- Shockproof design and construction protects from breakage
- Low heat from the LED bulbs greatly reduces risk of fire or burns

Cat No.	Each
54668	

Mini LED Flashlight



Belt Clip for Easy Carrying

- Special tactical switch: press slightly for momentary-On/0ff, push for constant-ON/OFF
- 1 Watt CREE LED Super Bright Beam
- Approximately 50,000 hours LED life
- Efficient Collimator Optic System
- Shock-resistant lens, Water-resistant
- Aluminum alloy construction
- Pushbutton On/Off
- Uses 2 "AA" batteries

Cat No.	Box Qty	Each
54650	10	



Rubberized Flashlight



- Perfect focused krypton bulb for 70% brighter Beam
- Push Button Switch
- Weatherproof
- Anti-Roll Feature
- Shockproof & corrosion proof
- Heavy Duty Rubber Body
- · Batteries included

Cat No.	Size	Box Qty	Each
54652	2-AA Batteries	24	
54654	2-D Batteries	12	

LED Flashlight



- Ultra Bright Luxeon 1 Watt torch no bulb replacement
- Focusing system casts long and narrow beam
- Single Luxeon 1 watt LED can produce 25-30 lumen
- Luxeon LED enjoy a lifetime of 50,000 hrs.
- Tough ABS construction with rubber grip
- Easy carry lanyard included
- Push button on/off switch
- · Shock and water resistant
- Powered by 3-D size batteries
- Over 60 hrs run time

Cat No.	Size	Box Qty	Each
54662	3-D Batteries	6	

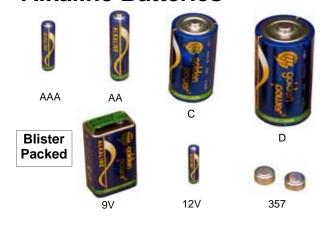
LED Headlamp



- Tough bright Luxeon 1 watt LED headlamp
- Focusing system casts a further and narrower beam
- Single Luxeon 1 watt LED can produce 25-30 lumen
- Luxeon LED enjoys a lifetime of 100,000 hrs.
- No more bulb replacement
- Adjustable elastic headband
- Light can be tilted up and down as needed
- Shock and water resistant
- Powered by 3-AAA size batteries
- 5 hrs. strong brightness during 8hrs. running time

Cat No.	Size	Box Qty	Each
54666	3-AAA Batteries	6	

Alkaline Batteries



Cat No.	Туре	Batteries Per Blister Card	Batteries Per Box	Batteries Per Case	Each Battery
52620	AAA Alkaline 1.5 Volt	4	40	960	
52622	AA Alkaline 1.5 Volt	4	40	480	
52624	C Alkaline 1.5 Volt	2	20	120	
52626	D Alkaline 1.5 Volt	2	20	120	
52628	9 Volt	1	10	120	
52630	357 Button Style Used In Testers	10		500	
52632	A23 12 Volt Used In Wireless Chime Transmitters & Meters, cameras, etc.	1	25	200	



Steel Fish Tape



- High Impact Storage Case & one piece Nylon Handle for Maximum Durability, Long Life, and Easy, Comfortable Use
- Highly-Durable Tempered 1/8" Wide Spring Steel
- Comfortable Slip Resistant Gripping Surface

Cat No.	Size	Case Qty	Each
52240	50' X 1/8" X 1/16" Fishtape	6	
52242	100' X 1/8" X 1/16" Fishtape	6	
52244	200' X 1/8" X 1/16" Fishtape	6	
52247	6.9" Replacement Leader for steel tape	1	

Fiberglass Fish Tape



- High Impact Storage Case & one piece Nylon Handle for Maximum Durability, Long Life, and Easy, Comfortable Use
- Comfortable Slip Resistant Gripping Surface
- For use in telecom, electrical, wall & floor conduit, walker duct, and utility installations
- Fiberglass non-conductive properties for safer pushing/pulling in occupied duct & panel boxes
- Fiberglass fish tape is the fastest manual fish tape available
- Repair kit included with each fishtape
- Due to the non-conductive materials this products is made of, the tip is susceptible to breakage. Tip must be repaired by user. Returns due to tip breakage will not be accepted.

Cat No.	Size	Case Qty	Each
52254	150' X .15" Rod Fishtape	6	
52257	9.8" Replacement Leader for Fiberglass Tape	1	
52258	Fiberglass repair kit (glue, 2 eyelets, 1 leader)	1	

Nylon Fish Tape



- Non-Conductive Tape Designed for use around Live Circuits
- Smooth Nylon Jacket provides great handling around bends
- Strong Core for longer life & greater pushing power
- Furnished with a malleable tip eyelet
- Large Handle Grip for Greater User Control
- Heavy-Duty Winder Case & one piece Nylon Handle for Maximum Durability, Long Life, and Easy, Comfortable Use

Cat No.	Size	Case Qty	Each
52264	100'	8	
52266	150'	8	
52268	Malleable Tips (2)	-	

Stainless Steel Fish Tapes



- Tempered, High Quality 1/8" (3mm) Wide Stainless Steel Tape
- Rust & Corrosion Resistant Tape Allows it to Rewind Easier & Last Longer than Ordinary Tape
- Super Clean Finish Prevents Marks on Walls or Carpet
- Includes a Formed Hook at End
- Large Handle Grip for Greater User Control
- Heavy-Duty Winder Case & one piece Nylon Handle for Maximum Durability, Long Life, and Easy, Comfortable Use

Cat No.	Size	Case Qty	Each
52272	50'	12	
52274	120'	8	
52276	200'	5	



Conduit Benders









- · Lightweight Aluminum for easy handling
- Cast-in angle indicator on models 52324 & 52326
- Markings are raised & cast into the bender body on both sides for visibility
- Deeply serrated step helps prevent slippage when applying force
- Grooved internal hook surface helps prevent conduit from slipping
- Flat hook surface provides stable starting point
- Order Handle Separately

Cat No.	Level Included	EMT	Rigid	Inside Radius	Fits Handle	Case	Each
52322	No	1/2"	-	5°	52332	20	
52324	Yes	3/4"	1/2"	6°	52332	15	
52326	Yes	1"	3/4"	8°	52334	15	

Conduit Bender Handles



- · High quality, pre-threaded bender handles
- Constructed of high-strength steel for long-term durability
- Powder painted finish resists corrosion & improves grip
- Convenient Bending Guide included on handle

Cat No.	Fits Bender	Handle Size	Case Qty	Each
52332	52322 & 52324	1" dia x 38" length	12	
52334	52326	1-1/4" dia. X 44" length	12	

PVC Pipe Spring Bender



- Insert the pipe spring into the pipe and bend across your knee
- Permanently bend Schedule 40 PVC pipe up to 90° without pipe collapsing
- Eliminates the need for heat guns or heating blankets
- Use fewer PVC fittings
- NOTE: Room temperature should be above 60°F

Cat No.	Size	Each
52311	1/2"	
52312	3/4"	
52313	1"	
52314	1-1/4"	
52315	1-1/2"	
52316	2"	
52317	2-1/2"	
•		· ·

PVC Heating Blankets



- Makes bends, offsets or saddles in PVC fast & easy
- Easy to use: wrap blanket around PVC, secure with hook & loop strap. Built-in stiffeners keep blanket tight on the PVC surface. Remove blanket and form bend by hand.
- Good for all schedules
- Controlled, even heating for uniform bending
- Temperature over 300° F (149° C)
- 120VAC

Cat No.	Capacity	Size	Wattage	Each
52300	Up to 1-1/2"	13" x 8-1/4"	200	
52301	2" - 3"	30" X 13-1/4"	800	



Tape Measures



- Rubber Jacket protects case from damage & ensures comfortable grip
- 3" yellow neon yellow case with nonslip impact absorbing comfortable rubber grip
- Magnetic tipped tape measures have true zero sliding blade tip to ensure accurate inside & outside measurements
- Easy-to-read measurements on both sides of the blade

- Durable Steel Belt Clip
- Front Slide Lock for Easy Operation
- Bold, Clear Numbers on Bright Yellow Blade
- Rigid Blade with Protective Acrylic Coating
- Inch/Foot Blade Graduations
- Triple-riveted end hook with bottom blade protector that reinforces the blade tip & provides maximum pull-out strength
- Oversized bold black numbers on the first 11 inches for easy reading



Cat No.	Size	Box Qty	Case Qty	Each
52200	25' X 1"	12	60	
52202	25' X 1" with Magnetic tip	6	60	
52206	33' X 1-1/4"	12	60	
52208	33' X 1-1/4" with Magnetic tip	6	60	

Automatic Blade Lock Measuring Tape



- Blade automatically stays out when extended
- Push button for smooth blade retraction
- Comfortable, shock resistant rubber grip
- Double Sided Printing on Blade

Cat No.	Description	Box Qty	Each
52209	25' x 1"	12	
52210	25' x 1" with Magnetic Tip	6	

Torpedo Level



- 9" long & lightweight for use in tight places
- Three acrylic plastic vials plumb, level and 45 degrees miter
- · Level vial has side & top reading
- V grooved edge
- · Strong, high impact ABS body with hang hole
- · Magnetized strip on bottom that holds to iron & steel

Cat No.	Overall Length	Box Qty	Each
52212	9" (22.9 cm)	10	

Torpedo Laser Level



- Horizontal & vertical laser directions at the same time
- 90° & 180° vials allow accurate leveling
- Magnetic V groove base locks onto metal studs & pipes
- 180' Laser beam length
- · Lightweight & easy to carry

Cat No.	Length	Case Qty	Each
54682	10.7"	40	



Caulking Gun



- For use with 9" Size Cartridges
- Use to apply Adhesives, Caulking Compounds & Lubricants
- Powder Painted to resist Corrosion
- Hexagon Compression Rod with Ladder Hook
- Long Trigger gives you leverage

Cat No.	Each
53266	

Heat Gun





- Specially designed for Heat Shrink Tubing
- Retractable Fixing Wings to Steady on Table or Ground
- Thermostat Protection
- 6 Foot Cord
- 2 Heat Settings Hi: 1120°F, Lo: 850°F
- 125V, 1500W



Cat No.	Each
54690	

Bag of Rags



- Premium all-purpose wipers
- New bleached white knit
- High cotton content
- Medium weight, random sizes
- Soft, absorbent, low linting
- 2 lb. bags

Cat No.	Each
53264	

Plastic Tool Boxes





- Heavy-duty construction stands up to the rigors of transporting and on-the-job wear and tear
- Lightweight, plastic-resin construction is weatherproof, won't rust, dent, or chip and is impact resistant
- Comfortable, strong carrying handle & lid is padlock ready
- · Removable tray for small tools and parts
- Flip lids for small part storage

Cat No.	Size	Each
53412	16" x 10" x 7.2"	
53416	22" x 12.3" x 11.8"	



Ear Plug



- 3 soft pliable flange design adjusts to ear for soothing noise suppression
- Provides superb hearing protection while allowing speech & warning signals to be heard
- · A neck string, plastic case, and chain allow for convenient carrying
- Compliance: CE EN352-2, ANSI S3.19
- SNR: 25dB NRR:25dB

Cat No.	Each
53212	

Foam Ear Plugs





- Soft polyurethane foam provides comfortable seal against harmful noise
- Simply roll & insert into the ear, one size fits all
- Packaged in pairs

I	Cat No.	3 Pair Pack
I	53214	

Ear Muffs



- Can be used for most industrial noises
- Large soft foam-filled cushions with deep ear cups, folding headband
- Provides a good seal for protection against harmful noise
- Snug and comfortable fit & lightweight
- It can be folded into a compact unit, good for storage or carry in a pocket
- Compliance: CE EN352-1, ANSI S3.19
- Noise Protection SNR: 30db NRR: 25dB

Cat No.	Each
53216	

Knee Pads



- · Lightweight, soft, comfortable foam padding with abrasion-resistant plastic
- Tough nylon fabric
- It provides protection against bump, impact, bruises, and other injuries
- Good for construction, carpentry, maintenance, electrical work, sports, etc.
- Good for anything that could cause bruises or abrasions

Cat No.	Size	Each Pair
53222	Medium	
53224	Large	

Back Support



- · Help protect workers backs & reduce costly lost time injuries
- Durable lightweight spandex, powerful knit, and a woven elastic cinch strap fastens securely with hook-and-loop fasteners
- Bends with body for optimal support of the spine
- · Lightweight breathable back
- · Good for lifting, bending, and carrying

,		
Cat No.	Size	Each
53226	Large	
53228	X-Large	

Reflective Vest



- Nylon mesh with fluorescent blaze & 2" reflective tapes in front & back of vest
- · Provides maximum visibility for safety
- Lightweight and durable while it retains its color under the toughest weather
- Adjustable velcro closure in front and elastic straps at both sides
- · Black cloth binding

Cat No.	Each
53232	



Hard Hats



- · ABS shell, tough, lightweight, and durable
- · Four-point easy turn knob ratchet adjustment for perfect fit
- Shock-absorbing and rain trough prevents water from dripping down to neck
- Reinforced ribs on top provide extra impact protection
- · Slotted sides for accessories, such as face shields or ear muffs
- Complies with ANSI Z89.1 & OSHA requirements
- · Chin strap sold separately from hard hat

Cat No.	Description	Each
53240	Yellow Hard Hat	
53242	White Hard Hat	
53244	Blue Hard Hat	
53246	Red Hard Hat	
53248	Chin Strap	

Non-Toxic Dust Mask



- Dependable protection where workers are exposed to nuisance dust & powders
- Not designed for use as protection against toxic dusts & vapors
- Disposable, lightweight, odorless, fiberglass free, non-irritating to the skin, and soft flexible nose bridge for a custom seal
- BFE (Bacteria Filtration Efficiency) up to 99.9% at 3.6 micron particle size
- · Single strap to secure

Cat No.	10 Piece Pack
53252	

Toxic Type Dust/Mist Respirator



- Protection against particulate aerosols free of oils containing the following materials such as calcium carbonate, china clay, cement, cellulose, sulfur, cotton, flour, carbon, ferrous metals, hard wood, coal, iron ore, aluminum, free silica, bacteria, and mycobacterium tuberculosis (T.B.)
- Collapse resistant double shell withstands hot and humid conditions
- Fringe seal latex-free synthetic rubber head strap seals mask to face
- Contour design ensures compatibility of glasses/goggles and reduces fogging.
- Soft close-cell nose foam and adjustable nosepiece ensures custom shape and increases the worker comfort and acceptance
- NIOSH

Cat No.	3 Piece Pack
53254	

First Aid Kit



- 25 Person Kit
- Professionally designed with a complete assortment of top quality first aid items
- Perfect for on-site minor emergencies
- Handily packages in a sturdy, lightweight plastic case with handle
- (3) 2X2 Sponge pad (5 PK)
- (2) 3X3 Gauze pad(2 PK)
- (3) 3X4 Non-stick pad
- (1) Combine pad 5X9
- (1) First aid dressing(2 PK)
- (1) Triangular bandage
- (1) Eye pad
- (1) Elastic bandage (3" X 5 YDS)
- (2) Elastic bandage (2" X 5 YDS)
- (50) Adhesive strips (3/4X2-3/4)

- (30) Various sizes adhesive strips
- (8) Alcohol prep pads
- (4) Cleaning wipes
- (1) Cold pack
- (1) Emergency blanket
- (6) Safety pins
- (1) Strap tourniquet
- (1) Tweezers
- (1) Scissors
- (1) Glove
- Cat No. Case Qty Each 53262 20



High Performance Anti-Slip Gloves



- · Anti-slip functional silicon print on palm and finger
- Stretchy fabric at back of the hand is form fitting glove almost feels like part of your hand, gives soft protection & ventilates to keep hand cool
- High-tech synthetic suede at palm provides durability & abrasion resistance
- · Velcro closure allows easier entry
- · Machine washable

Cat No.	Size	Bag Qty	Each	
	With Fingers			
53161	Medium	12		
53162	Large	12		
53163	X-Large	12		
53164	2X-Large	12		
	No Fingers			
53171	Medium	12		
53172	Large	12		
53173	X-Large	12		

High Performance Shock Absorption Gloves



- Shock Absorption

 rubber sponge underneath the reinforcement patches
 helps minimize hand fatigue while still maintaining dexterity
- Dampens & protects users from the collision energy from impact tools
- · Anti-slip functional silicon print on finger tips
- Stretchy fabric at back of the hand is form fitting glove almost feels like part of your hand, gives soft protection & ventilates to keep hand cool
- High-tech synthetic suede, at palm provides durability & abrasion resistance
- · Velcro closure allows easier entry
- · Machine washable does not stretch, shrink, or harden when washed

Cat No.	Size	Bag Qty	Each
53181	Medium	12	
53182	Large	12	
53183	X-Large	12	
53184	2X-Large	12	

PVC Glove



- Fully high-grade red PVC coated, interlock lining, and a smooth finish
- Cotton knit wrist offers comfort and fits the wrist snugly
- Excellent protection against wide range of chemicals and abrasions resistance such as petroleum, refining, acids, oil, grease, caustics, solvents, cuts, punctures, and abrasion
- · Provides excellent dexterity & grip
- · Great for grimy wet jobs

Cat No.	Bag Qty	Each
53154	12	

PVC Dotted Cotton Glove



- General use, with rubber dotted on one side for good grip
- Dense coating offers an abrasion barrier
- · It's reusable and washable
- Knit breathable cotton/poly stretches for excellent fit
- Good for circulation to keep hands dry and comfortable

Cat No.	Bag Qty	Each
53152	12	



Brown Jersey Glove



- Moderate Hand Protection for a Low Cost
- Cotton 8oz. Deep Brown Jersey
- Snug Fitting Knit Wrist
- Large Size
- Packed with Individual Hanging Cards

Cat No.	Bag Qty	Each
53110	12	

Short Cuff Leather Glove



- Cow Split Leather
- Full Leather Index Finger
- Leather finger Tips and Knuckle Strap
- Striped Cotton Back with Elastic Wrist for Better Fit
- Half Lined
- 2 1/2" Safety Cuff
- Large Size
- Packed with Individual Hanging Cards

Cat No.	Bag Qty	Each
53120	12	

Long Cuff Leather Glove



- · Cow Split Leather
- Full Leather Index Finger
- Leather finger Tips and Knuckle Strap
- Striped Cotton Back with Elastic Wrist for Better Fit
- Half Lined
- 4 1/2" Rubberized Long Cuff
- Large Size
- Packed with Individual Hanging Cards

Cat No.	Bag Qty	Each
53130	12	

Yellow Cow Split Leather Glove



- Cow Split Leather
- All Leather
- Elastic Wrist for Better Fit
- 53150 has Fleece Lining
- Large Size
- Packed with Individual Hanging Cards

Cat No.	Description	Bag Qty	Each
53140	Unlined	12	
53150	Fleece Lined	12	



Easy Search Tool Bags



- Rubber bottom for support & water resistance
- Wide opening convenient for storage & search of tools
- Super-tough, durable & water-resistant 600-D Polyester

	Dimensions		ns		
Cat No.	L	W	Н	Pockets	Each
53502	12"	9"	10"	37 Total - 12 inside, 25 outside	
53504	16"	10"	11"	38 Total - 13 inside, 25 outside	

Easy Search Tool Bags



Back side unzips to access plastic tray



- Multi-compartment plastic tray slides into bottom of bag
- Wide opening convenient for storage & search of tools
- Super-tough, durable & water-resistant 600-D Polyester

	Dimensions				
Cat No.	L	W	Н	Pockets	Each
53512	12"	9"	10"	23 outside	
53514	16"	10"	11"	24 outside	

Large Easy Search Tool Bag



- Rubber bottom for support & water resistance
- Wide opening convenient for storage & search of tools
- · Shoulder strap for easy carrying
- 1 drill holster, 1 velcro pocket, 1, zipper pocket
- Super-tough, durable & water-resistant 600-D Polyester

	Dimensions		ns		
Cat No.	L	W	Н	Pockets	Each
53506	24"	8.5"	13"	63 Total - 24 inside, 39 outside	

Large Easy Search Tool Bag



Back side unzips to access plastic tray



- Multi-compartment plastic tray slide into bottom of bag
- Wide opening convenient for storage & search of tools
- Shoulder strap for easy carrying
- 1 drill holster & 2 velcro pockets
- Super-tough, durable & water-resistant 600-D Polyester

	Dimensions		ns		
Cat No.	L	W	Н	Pockets	Each
53516	24"	8.5"	13"	59 Total - 20 inside, 39 outside	

Box Shaped Tool Carrier



- Box-shaped design prevents tipping
- Rubber bottom for support & water resistance
- Extra padded carry handle
- Super-tough, durable & water-resistant 600-D Polyester

	Dimensions			
Cat No.	L	W	Н	Pockets
53522	19"	7"	14"	52 Total - 13 inside, 39 outside

Square Tool Carrier



Back side unzips to access plastic tray

- Multi-compartment plastic tray slides into bottom of bag
- Box-shaped design prevents tipping
- Extra padded carry handle & adjustable shoulder strap
- Metal tool snap, and electrical tape strap
- Super-tough, durable & water-resistant 600-D Polyester

	Dimensions		ns		
Cat No.	L	W	Н	Pockets	Each
53524	9"	9"	15"	36 Total - 9 inside, 27 outside	



Bucket Bag



- Designed to fit most standard 3-1/2 to 5 gallon buckets
- Super-tough, durable & water-resistant 600-D Polyester

Cat No.	Pockets	Each
53532	36 Total - 12 inside, 24 outside	

Tool Vest



- Many different sizes of pockets for various parts & tools
- Adjustable waist size
- Super-tough, durable & water-resistant 600
 D Polyester

	Dimen	sions		
Cat No.	L	Н	Pockets	Each
53540	21.7"	24.4"	9	

Tool Belt with Pouches



- Versatile all parts removable and interchangeable
- Metal tape chain and tool snap
- Metal clip holds all measuring tape sizes
- Pocket to hold cordless drill
- 3" Wide padded belt for comfort
- Fits waist sizes 29" 46"
- Super-tough, durable & water-resistant 600-D Polyester

Cat No.	Pockets	Each
53536	32	

Cell Phone Holder

- Made of strong elastic fiber material
- Stretches to adjust to cell phone shape and padded inside to protect cell phone, Good for Blackberrys
- Heavy duty clip for belt or pants
- Black Color

Cat No.	Each
53552	

4 Pocket Multi-Purpose Tool Holder



- The tool holder you can Hang-Strap-Clip on workbelts, web suspenders, pants etc.
- Securely holds small tools or accessories like pliers, mini flashlights, screwdrivers, etc.

Cat No.	Each
53558	

3 Multi-Purpose Clip-On Zippered Bags



- Includes 3 convenient sizes and colors: 9x7"(Blue), 7x6"(Hunter Green), & 6x5"(Brown)
- Carry and organize all your miscellaneous parts, tools and accessories
- Durable clip hangs on tool belts & loops, etc.

Cat No.	Set of 3 Bags
53546	

Electrical Meter/ Tester/ Phone Holder

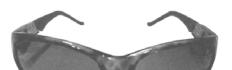


- Double layer of rugged lightweight fabric
- Safety strap with hook and loop fastener
- Heavy duty metal clip on back
- Back pocket for tester/meter
- Front pocket for test leads

Cat No.	Size	Each
53554	4 1/2"H x 2 1/2"W x 1 1/2"D	
53556	6"H x 3"W x 2"D	



Sporty Safety Glasses



- · Sporty trend-setting contemporary styling that fits the contours of your face
- Deep curve provides superior impact protection
- Lightweight polycarbonate lenses impact resistance & UV protection
- Ideal for protection against dust and particles
- Compliance: ANSI Z87.1

ı	Cat No.	Frame Color	Lens Color	Box Qty	Each
	53001	Black	Smoke	12	
	53002	Black	Copper	12	
	53003	Black	Clear	12	
	53004	Black	Silver Mirror	12	
	53005	Black	Blue Mirror	12	
	53006	Silver	Blue Mirror	12	

Safety Goggles



- General purpose impact resistant cover-type protective goggles
- Soft clear polycarbonate lens, flexible vinyl shroud
- Comfortable & Shaped to Conform to Facial Contours
- Lightweight Elastic Strap, Direct ventilation system
- Fits over most prescription glasses
- Meets or Exceeds ANSI Z87.1 Standards

Cat No.	Description	Box Qty	Each
53010	Goggles	12	

Safety Glasses Fit Over Prescription Glasses



- Fits Over Prescription Glasses or can be worn alone
- Full panoramic clear frame/lens has wide vision field & max UV protection
- Anti-glare brow guard, universal bridge, & spatula temples with wide integral side shields
- High-Impact, Scratch Resistant Polycarbonate Lens
- Lightweight Polycarbonate Frame
- Meets or Exceeds ANSI Z87.1 Standards

Cat No.	Description	Box Qty	Each
53000	Safety Glasses (fit over glasses)	12	

Standard Safety Glasses







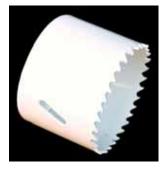
- Full panoramic clear frame/lens has wide vision field & max UV protection
- Anti-glare browguard, universal bridge, & spatula temples with wide integral side shields for maximum coverage
- High-Impact, Scratch Resistant Polycarbonate Lens
- Lightweight Polycarbonate Frame
- Adjustable temple that locks into place
- Meets or Exceeds ANSI Z87.1 Standards

Cat No.	Description	Box Qty	Each
53020	Safety Glasses With Clear Lens	12	
53022	Safety Glasses With Shaded Lens	12	
53024	Safety Glasses With Mirrored Lens	12	



Bi-Metal Hole Saws

Dia		C			F	
Cat Inches No. Camp Size Irance No. Each		Saw Dia	Pine	Pine	For use with	
13312 9/16 (14) - 13452-13458 13314 5/8 (16) - 13452-13458 13316 11/16 (17) - 13452-13458 13318 3/4 (19) 1/2" 3/8" 13452-13458 13320 13/16 (21) - 13452-13458 13322 7/8 (22) 3/4" 1/2" 13452-13458 13322 7/8 (22) 3/4" 1/2" 13452-13458 13324 15/16 (24) - 13452-13458 13326 1 (25) - 13452-13458 13328 1-1/16 (27) - 13452-13458 13330 1-1/8 (29) 1" 3/4" 13452-13458 13332 1-3/16 (30) - 13452-13458 13332 1-3/16 (30) - 13452-13458 13333 1-3/8 (35) - 1" 13460-13470 13336 1-5/16 (33) - 13460-13470 13340 1-7/16 (37) - 13460-13470 13344 1-9/16 (40) - 13460-13470 13344 1-9/16 (40) - 13460-13470 13348 1-11/16 (43) - 13460-13470 13348 1-11/16 (43) - 13460-13470 13352 1-3/16 (46) - 13460-13470 13352 1-3/16 (46) - 13460-13470 13353 1-3/16 (46) - 13460-13470 13354 1-7/8 (48) - 13460-13470 13355 2-1/16 (52) - 13460-13470 13358 2-1/16 (52) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13360 2-1/8 (59) - 13460-13470 13360 2-1/8 (59) - 13460-13470 13360 2-1/8 (59) - 13460-13470 13360 2-1/8 (59) - 13460-13470 13360 2-1/8 (59) - 13460-13470 13360 2-1/8 (69) - 13460-13470 13360 2-1/8 (69) - 13460-13470 13370 2-9/16 (65) - 13460-13470 13360 3-1/2 (64) - 2" 13460-13470 13360 3-1/2 (64) - 13460-13470 13360 3-1/2 (64) - 13460-13470 13360 3-1/2 (69) - 13460-13470 13370 2-9/16 (65) - 13460-13470 13370 2-9/16 (65) - 13460-13470 13384 3-3/8 (86) - 13460-13470 13388 3-1/8 (89) - 13460-13470 13380 3-1/8 (89) - 13460-13470 13380 3-1/8 (89) - 13460-13470 13380 3-1/8 (89) - 13460-13470 13380 3-1/8 (89) - 13460-13470	Cat					
13314 5/8 (16) - 13452-13458 13316 11/16 (17) - 13452-13458 13318 3/4 (19) 1/2" 3/8" 13452-13458 13320 13/16 (21) - 13452-13458 13322 7/8 (22) 3/4" 1/2" 13452-13458 13324 15/16 (24) - 13452-13458 13324 15/16 (24) - 13452-13458 13326 1 (25) - 13452-13458 13328 1-1/16 (27) - 13452-13458 13330 1-1/8 (29) 1" 3/4" 13452-13458 13332 1-3/16 (30) - 13452-13458 13333 1-1/8 (29) 1" 3/4" 13452-13458 13333 1-3/16 (30) - 13460-13470 13336 1-5/16 (33) - 13460-13470 13338 1-3/8 (35) - 1" 13460-13470 13340 1-7/16 (37) - 13460-13470 13344 1-9/16 (40) - 13460-13470 13348 1-11/16 (43) - 13460-13470 13348 1-11/16 (43) - 13460-13470 13350 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13352 1-13/16 (46) - 13460-13470 13354 1-7/8 (48) - 13460-13470 13355 2-1/16 (52) - 13460-13470 13356 2-1/16 (52) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13364 2-5/16 (59) - 13460-13470 13364 2-5/16 (59) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13360 2-3/8 (60) - 13460-13470 13360 2-3/8 (60) - 13460-13470 13370 2-9/16 (65) - 13460-13470 13372 2-5/8(67) 2-1/2" 13460-13470 13372 2-5/8(67) 2-1/2" 13460-13470 13373 3-1/2 (64) -	No.	(mm)	Size	trance	No's.	Each
13316	13312	9/16 (14)	ı	-	13452-13458	
13318 3/4 (19) 1/2" 3/8" 13452-13458 13320 13/16 (21) -	13314	5/8 (16)	ı	-	13452-13458	
13320	13316	` ,	-	-	13452-13458	
13322	13318	3/4 (19)	1/2"	3/8"	13452-13458	
13324 15/16 (24) - 13452-13458 13326 1 (25) - 13452-13458 13330 1-1/8 (29) 1" 3/4" 13452-13458 13332 1-3/16 (30) - 13452-13458 13334 1-1/4 (32) - 13460-13470 13336 1-5/16 (33) - 13460-13470 13338 1-3/8 (35) - 1" 13460-13470 13340 1-7/16 (37) - 13460-13470 13342 1-1/2 (38) 1-1/4" - 13460-13470 13348 1-11/6 (40) - 13460-13470 13348 1-11/16 (43) - 13460-13470 13350 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13351 1-3/8 (44) 1-1/2" 1-1/2" 13460-13470 13352 1-13/16 (46) - 13460-13470 13355 2-1/16 (52) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13361 2-5/16 (59) - 13460-13470 13362 2-1/4 (67) 2" - 13460-13470 13363 2-3/8 (60) - 13460-13470 13370 2-9/16 (65) - 13460-13470 13370 2-9/16 (65) - 13460-13470 13370 2-9/16 (65) - 13460-13470 13371 2-3/4 (70) - 13460-13470 13372 2-5/8 (67) 2-1/2" - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13388 3-1/2 (89) - 13460-13470 13380 3-1/8 (79) - 13460-13470 13381 3-8/8 (99) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13383 3-1/8 (79) - 13460-13470 13384 3-3/8 (86) - 13460-13470 13386 3-1/2 (89) - 13460-13470 13388 3-1/2 (89) - 13460-13470 13399 4-1/8 (10) - 13460-13470 13399 4-1/8 (10) - 13460-13470 13399 4-1/8 (10) - 13460-13470 13399 4-1/8 (10) - 13460-13470 13399 4-1/8 (10) - 13460-13470 13399 4-1/8 (10) - 13460-13470 13399 4-1/8 (10) - 13460-13470 13399 4-1/8 (10) - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 4-1/8 (10) - 13460-13470 13390 4-1/8 (10) - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13400 4-3/8 (111) - 13460-13470 13400 4-3/8 (111) - 13460-13470 13400 4-3/8 (111) - 13460-13470 13400 4-3/8 (111) - 13460-13470	13320	13/16 (21)	-	-	13452-13458	
13326	13322	7/8 (22)	3/4"	1/2"	13452-13458	
13328		` ,	-	-	13452-13458	
13330 1-1/8 (29) 1" 3/4" 13452-13458 13332 1-3/16 (30) - 13452-13458 13334 1-1/4 (32) - 13460-13470 13336 1-5/16 (33) - 13460-13470 13340 1-7/16 (37) - 13460-13470 13342 1-1/2 (38) 1-1/4" - 13460-13470 13344 1-9/16 (40) - 13460-13470 13346 1 5/8 (41) - 13460-13470 13348 1-11/16 (43) - 13460-13470 13355 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13355 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13355 1-13/16 (46) - 13460-13470 13355 1-7/8 (48) - 13460-13470 13356 2 (51) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13362 2-1/16 (52) - 13460-13470 13366 2-	13326		-	-	13452-13458	
13332 1-3/16 (30) - 13452-13458 13334 1-1/4 (32) - 13460-13470 13336 1-5/16 (33) - 13460-13470 13338 1-3/8 (35) - 1" 13460-13470 13340 1-7/16 (37) - 13460-13470 13342 1-1/2 (38) 1-1/4" - 13460-13470 13344 1-9/16 (40) - - 13460-13470 13346 1 5/8 (41) - 13460-13470 13348 1-11/16 (43) - 13460-13470 13350 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13352 1-13/16 (46) - 13460-13470 13354 1-7/8 (48) - 13460-13470 13355 2-(51) - 13460-13470 13360 2-1/16 (52) - 13460-13470 13362 2-1/16 (57) 2" 13460-13470 13362 2-1/4 (57) 2" 13460-13470 13366 2-3/8 (60) -	13328	1-1/16 (27)		-	13452-13458	
13334	13330	1-1/8 (29)	1"	3/4"	13452-13458	
13336 1-5/16 (33) - 13460-13470 13338 1-3/8 (35) - 1" 13460-13470 13340 1-7/16 (37) - 13460-13470 13342 1-1/2 (38) 1-1/4" - 13460-13470 13344 1-9/16 (40) - - 13460-13470 13346 1 5/8 (41) - - 13460-13470 13350 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13350 13351 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13352 13352 1-13/16 (46) - 13460-13470 13355 1-7/8 (48) - 13460-13470 13356 2 (51) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13362 2-1/16 (52) - 13460-13470 13366 2-3/8 (60) - 13460-13470 13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - 13460-13470 13372 2-5/8	13332	1-3/16 (30)	-	-	13452-13458	
13338 1-3/8 (35) - 1" 13460-13470 13340 1-7/16 (37) - - 13460-13470 13342 1-1/2 (38) 1-1/4" - 13460-13470 13344 1-9/16 (40) - - 13460-13470 13346 1 5/8 (41) - - 13460-13470 13348 1-11/16 (43) - - 13460-13470 13350 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13352 1-13/16 (46) - - 13460-13470 13354 1-7/8 (48) - 13460-13470 13355 2 (51) - 13460-13470 13356 2 (51) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13362 2-1/4 (57) 2" 13460-13470 13366 2-3/8 (60) - 13460-13470 13370 2-9/16 (65) - 13460-13470 13377 2-5/8(67) 2-1/2" 13460-13470	13334	1-1/4 (32)	-	-	13460-13470	
13340 1-7/16 (37) - 13460-13470 13342 1-1/2 (38) 1-1/4" - 13460-13470 13344 1-9/16 (40) - 13460-13470 13346 1 5/8 (41) - 13460-13470 13348 1-11/16 (43) - 13460-13470 13350 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13352 1-13/16 (46) - 13460-13470 13354 1-7/8 (48) - 13460-13470 13358 2-1/16 (52) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13362 2-1/4 (57) 2" - 13460-13470 13363 2-1/8 (59) - 13460-13470 13364 2-5/16 (59) - 13460-13470 13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - 13460-13470 13371 2-5/8 (67) 2-1/2" - 13460-13470 13372 2-5/8 (67) 2-1/2" - 13460-13470 13373 3(76) - 2-1/2" 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13388 3-1/8 (79) - 13460-13470 13388 3-1/8 (89) - 13460-13470 13389 3-1/8 (99) - 13460-13470 13380 3-1/8 (79) - 13460-13470 13381 3-3/8 (86) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13383 3-1/8 (79) - 13460-13470 13384 3-3/8 (86) - 13460-13470 13389 3-1/8 (99) - 13460-13470 13389 3-1/8 (99) - 13460-13470 13389 3-1/8 (99) - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 4-1/8 (102) - 13460-13470 13390 4-1/8 (102) - 13460-13470 13390 4-1/8 (102) - 13460-13470 13390 4-1/8 (102) - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13390 4-1/8 (102) - 13460-13470 13390 4-1/8 (102) - 13460-13470 13390 4-1/8 (102) - 13460-13470 13390 3-3/4 (102) - 13460-13470 13390 4-1/8 (102) - 13460-13470 13390 3-3/4 (102) - 13460-13470 13390 4-1/8 (102) - 13460-13470 13390 3-3/4 (102) - 13460-13470 13390 4-1/8 (102) - 13460-13470 13390 3-3/4 (102) - 13460-13470 13390 3-3/4 (102) - 13460-13470 13390 3-3/4 (102) - 13460-13470 13390 3-3/4 (102) - 13460-13470 13390 3-3/4 (102) - 13460-13470 13390 3-3/4 (102) - 13460-13470 13390 3-3/4 (102) - 13460-13470 13390 3-3/4 (102) - 13460-13470 13400 4-3/8 (111) - 13460-13470 13400 4-3/8 (111) - 13460-13470 13400 4-3/8 (111) - 13460-13470 13400 5-1/2 (114) 4-1/2" 4" 13460-13470	13336	1-5/16 (33)	-	-	13460-13470	
13342 1-1/2 (38) 1-1/4" - 13460-13470 13344 1-9/16 (40) - - 13460-13470 13346 1 5/8 (41) - - 13460-13470 13348 1-11/16 (43) - - 13460-13470 13350 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13352 1-13/16 (46) - - 13460-13470 13354 1-7/8 (48) - - 13460-13470 13355 2-1/16 (52) - - 13460-13470 13358 2-1/16 (52) - - 13460-13470 13360 2-1/8 (54) - - 13460-13470 13362 2-1/4 (57) 2" - 13460-13470 13368 2-1/2 (64) - - 13460-13470 13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - - 13460-13470 13372 2-5/8(67) 2-1/2" -	13338	1-3/8 (35)	-	1"	13460-13470	
13344 1-9/16 (40) - - 13460-13470 13348 1-11/16 (43) - - 13460-13470 13350 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13352 1-13/16 (46) - - 13460-13470 13354 1-7/8 (48) - - 13460-13470 13356 2 (51) - 13460-13470 13358 2-1/16 (52) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13362 2-1/4 (57) 2" - 13460-13470 13362 2-1/6 (59) - 13460-13470 13366 2-3/8 (60) - 13460-13470 13370 2-9/16 (65) - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13378 3(76) - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13381 3-3/4 (88) - 13460-13470	13340	1-7/16 (37)	-	-	13460-13470	
13346 1 5/8 (41) - 13460-13470 13348 1-11/16 (43) - 13460-13470 13350 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13352 1-13/16 (46) - 13460-13470 13354 1-7/8 (48) - - 13460-13470 13356 2 (51) - 13460-13470 13358 2-1/16 (52) - 13460-13470 13360 2-1/8 (54) - 13460-13470 13362 2-1/4 (57) 2" - 13460-13470 13362 2-1/6 (59) - 13460-13470 13366 2-3/8 (60) - 13460-13470 13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 133	13342	1-1/2 (38)	1-1/4"	-	13460-13470	
13348 1-11/16 (43) - 13460-13470 13350 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13352 1-13/16 (46) - 13460-13470 13354 1-7/8 (48) - - 13460-13470 13356 2 (51) - 1-1/2" 13460-13470 13358 2-1/16 (52) - 13460-13470 13360 2-1/8 (54) - - 13460-13470 13362 2-1/4 (57) 2" - 13460-13470 13364 2-5/16 (59) - 13460-13470 13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13374 2-3/4(70) - - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13384 3-3/8(86) -	13344	1-9/16 (40)	-	-	13460-13470	
13350 1-3/4 (44) 1-1/2" 1-1/4" 13460-13470 13352 1-13/16 (46) - - 13460-13470 13354 1-7/8 (48) - - 13460-13470 13356 2 (51) - 1-1/2" 13460-13470 13358 2-1/16 (52) - 13460-13470 13360 2-1/8 (54) - - 13460-13470 13362 2-1/4 (57) 2" - 13460-13470 13364 2-5/16 (59) - 13460-13470 13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13374 2-3/4(70) - - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13381 3-1/8 (86) - 13460-13470 13388 3-5/8(92)	13346	1 5/8 (41)	-	-	13460-13470	
13352 1-13/16 (46) - - 13460-13470 13354 1-7/8 (48) - - 13460-13470 13356 2 (51) - 1-1/2" 13460-13470 13358 2-1/16 (52) - - 13460-13470 13360 2-1/8 (54) - - 13460-13470 13362 2-1/4 (57) 2" - 13460-13470 13364 2-5/16 (59) - - 13460-13470 13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13374 2-3/4(70) - - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 <td>13348</td> <td>1-11/16 (43)</td> <td>-</td> <td>-</td> <td>13460-13470</td> <td></td>	13348	1-11/16 (43)	-	-	13460-13470	
13354 1-7/8 (48) - - 13460-13470 13356 2 (51) - 1-1/2" 13460-13470 13358 2-1/16 (52) - - 13460-13470 13360 2-1/8 (54) - - 13460-13470 13362 2-1/4 (57) 2" - 13460-13470 13364 2-5/16 (59) - - 13460-13470 13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13374 2-3/4(70) - - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13392 3-7/8(98) - - 13460-13470	13350	1-3/4 (44)	1-1/2"	1-1/4"	13460-13470	
13356 2 (51) - 1-1/2" 13460-13470 13368 2-1/16 (52) - - 13460-13470 13360 2-1/8 (54) - - 13460-13470 13362 2-1/4 (57) 2" - 13460-13470 13364 2-5/16 (59) - - 13460-13470 13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13374 2-3/4(70) - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13394	13352	1-13/16 (46)	-	-	13460-13470	
13358 2-1/16 (52) - 13460-13470 13360 2-1/8 (54) - - 13460-13470 13362 2-1/4 (57) 2" - 13460-13470 13364 2-5/16 (59) - - 13460-13470 13366 2-3/8 (60) - - 13460-13470 13370 2-9/16 (65) - - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13374 2-3/4(70) - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13398	13354	1-7/8 (48)	-	-	13460-13470	
13360 2-1/8 (54) - - 13460-13470 13362 2-1/4 (57) 2" - 13460-13470 13364 2-5/16 (59) - - 13460-13470 13368 2-3/8 (60) - - 13460-13470 13370 2-9/16 (65) - - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13374 2-3/4(70) - - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470	13356	2 (51)	-	1-1/2"	13460-13470	
13362 2-1/4 (57) 2" - 13460-13470 13364 2-5/16 (59) - - 13460-13470 13366 2-3/8 (60) - - 13460-13470 13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - - 13460-13470 13372 2-5/8 (67) 2-1/2" - 13460-13470 13374 2-3/4 (70) - - 13460-13470 13378 3 (76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8 (86) - - 13460-13470 13388 3-5/8 (92) - 3" 13460-13470 13390 3-3/4 (95) 3-1/2" - 13460-13470 13394 4 (102) - - 13460-13470 13398 4-1/8 (105) - 3-1/2" 13460-13470 <td>13358</td> <td>2-1/16 (52)</td> <td>-</td> <td>-</td> <td>13460-13470</td> <td></td>	13358	2-1/16 (52)	-	-	13460-13470	
13364 2-5/16 (59) - 13460-13470 13366 2-3/8 (60) - - 13460-13470 13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13374 2-3/4(70) - - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - 13460-13470 13388 3-5/8(92) - 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470 13400 4-3/8(111) </td <td>13360</td> <td>2-1/8 (54)</td> <td>-</td> <td>-</td> <td>13460-13470</td> <td></td>	13360	2-1/8 (54)	-	-	13460-13470	
13366 2-3/8 (60) - - 13460-13470 13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13374 2-3/4(70) - - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470 13400 4-3/8(111) - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13	13362	2-1/4 (57)	2"	-	13460-13470	
13368 2-1/2 (64) - 2" 13460-13470 13370 2-9/16 (65) - - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13374 2-3/4(70) - - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470 13400 4-3/8(111) - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470	13364	2-5/16 (59)	-	-	13460-13470	
13370 2-9/16 (65) - 13460-13470 13372 2-5/8(67) 2-1/2" - 13460-13470 13374 2-3/4(70) - - 13460-13470 13376 2-7/8(73) - - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470 13400 4-3/8(111) - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13403	13366	2-3/8 (60)	-	-	13460-13470	
13372 2-5/8(67) 2-1/2" - 13460-13470 13374 2-3/4(70) - - 13460-13470 13376 2-7/8(73) - - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13386 3-1/2(89) - - 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470 13400 4-3/8(111) - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13403 5-1/2(140) - 13460-13470 -	13368	2-1/2 (64)	-	2"	13460-13470	
13374 2-3/4(70) - - 13460-13470 13376 2-7/8(73) - - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470 13400 4-3/8(111) - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13403 5-1/2(140) - 13460-13470 13408 5-1/2(140) - 13460-13470	13370	2-9/16 (65)	-	-	13460-13470	
13374 2-3/4(70) - - 13460-13470 13376 2-7/8(73) - - 13460-13470 13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470 13400 4-3/8(111) - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13403 5-1/2(140) - 13460-13470 13408 5-1/2(140) - 13460-13470	13372	2-5/8(67)	2-1/2"	-	13460-13470	
13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470 13400 4-3/8(111) - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - 13460-13470 13408 5-1/2(140) - 13460-13470		1 1	-	-	13460-13470	
13378 3(76) - 2-1/2" 13460-13470 13380 3-1/8 (79) - 13460-13470 13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470 13400 4-3/8(111) - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - 13460-13470 13408 5-1/2(140) - 13460-13470	13376	2-7/8(73)	-	-	13460-13470	
13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13386 3-1/2(89) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470 13400 4-3/8(111) - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - - 13460-13470 13408 5-1/2(140) - - 13460-13470	13378		-	2-1/2"	13460-13470	
13382 3-1/4 (83) 3" - 13460-13470 13384 3-3/8(86) - - 13460-13470 13386 3-1/2(89) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470 13400 4-3/8(111) - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - - 13460-13470 13408 5-1/2(140) - - 13460-13470		3-1/8 (79)	-	-	13460-13470	
13384 3-3/8(86) - - 13460-13470 13386 3-1/2(89) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13398 4-1/8(105) - 3-1/2" 13460-13470 13400 4-3/8(111) - - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - - 13460-13470 13408 5-1/2(140) - - 13460-13470	13382		3"	-	13460-13470	
13386 3-1/2(89) - - 13460-13470 13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13396 4-1/8(105) - 3-1/2" 13460-13470 13398 4-1/4(108) 4" - 13460-13470 13400 4-3/8(111) - - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - - 13460-13470 13408 5-1/2(140) - - 13460-13470	13384	, ,	-	-	13460-13470	
13388 3-5/8(92) - 3" 13460-13470 13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13396 4-1/8(105) - 3-1/2" 13460-13470 13398 4-1/4(108) 4" - 13460-13470 13400 4-3/8(111) - - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - - 13460-13470 13408 5-1/2(140) - 13460-13470	13386	, ,	-	-	13460-13470	
13390 3-3/4(95) 3-1/2" - 13460-13470 13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13396 4-1/8(105) - 3-1/2" 13460-13470 13398 4-1/4(108) 4" - 13460-13470 13400 4-3/8(111) - - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - 13460-13470 13408 5-1/2(140) - 13460-13470	13388		-	3"	13460-13470	
13392 3-7/8(98) - - 13460-13470 13394 4(102) - - 13460-13470 13396 4-1/8(105) - 3-1/2" 13460-13470 13398 4-1/4(108) 4" - 13460-13470 13400 4-3/8(111) - - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - - 13460-13470 13408 5-1/2(140) - 13460-13470	13390		3-1/2"	-	13460-13470	
13394 4(102) - - 13460-13470 13396 4-1/8(105) - 3-1/2" 13460-13470 13398 4-1/4(108) 4" - 13460-13470 13400 4-3/8(111) - - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - - 13460-13470 13408 5-1/2(140) - 13460-13470			-	-	13460-13470	
13396 4-1/8(105) - 3-1/2" 13460-13470 13398 4-1/4(108) 4" - 13460-13470 13400 4-3/8(111) - - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - - 13460-13470 13408 5-1/2(140) - - 13460-13470	13394	1 1	-	-	13460-13470	
13398 4-1/4(108) 4" - 13460-13470 13400 4-3/8(111) - - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - - 13460-13470 13406 5(127) - 13460-13470 13408 5-1/2(140) - 13460-13470	13396	1 1	-	3-1/2"	13460-13470	
13400 4-3/8(111) - 13460-13470 13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - - 13460-13470 13406 5(127) - - 13460-13470 13408 5-1/2(140) - - 13460-13470		1 1	4"	-	13460-13470	
13402 4-1/2(114) 4-1/2" 4" 13460-13470 13404 4-3/4(121) - - 13460-13470 13406 5(127) - - 13460-13470 13408 5-1/2(140) - - 13460-13470	13400		-	-	13460-13470	
13404 4-3/4(121) - 13460-13470 13406 5(127) - 13460-13470 13408 5-1/2(140) - 13460-13470		1 1	4-1/2"	4"		
13406 5(127) - - 13460-13470 13408 5-1/2(140) - - 13460-13470			-	-		
13408 5-1/2(140) 13460-13470			-	-		
			-	-		
	13410	6(152)	-	-	13460-13470	



- M42 Bi-Metal For Use in Most Materials: Wood, Plastic, Aluminum, Brass, Cast Iron, & Stainless Steel
- Variable Pitch Design (4-6 Teeth/Inch) Reduces Labor & Tool Costs By Cutting 45% Faster & Lasting Longer than Straight 6 Pitch Saws
- Better Chip Clearance, Less Heat Build-Up, Lower Feed Pressure & Smooth Cuts
- Bi-Metal Hole Saws Combine the Toughness & Shock Resistance of an Alloy with the Cutting Ability of High Speed Steel
- 1-3/4" Cutting Depth
- 3/16" Thick Heavy Duty Backing Plate Eliminates the Need for Driving Plates and Prevents Drive Pin Holes from Elongating
- Packed in Individual Color Boxes

12 Piece Hole Saw Set

- 12 Piece Set
- Set Contains Nine High Speed Hole Saws, Two Arbors (13456 & 13466), & a 1/4" Arbor Adapter (13434)
- Saw Diameters are: 3/4", 7/8", 1-1/8",1-3/8",1-1/2", 1-3/4", 2", 2-1/4" and 2-1/2"
- All Components are Packed In a Sturdy Plastic Molded Carrying Case



Cat No.	Description	Kits/Case	Each
13422	12 Piece Hole-Saw Set	5	



Hex Extension Shanks



• 12" Extension Fits 7/16" Hex Arbors

Cat No.	Each
13432	

Replacement 1/4" Arbor Adapter



- Converts 1/2"-20 Thread Size Arbor to 5/8"-18 Thread Size for use with Larger-Diameter Saws
- Not Recommended For Saws Larger than 1-1/2" Diameter

Cat No.	Description	Each
13434	1/4 Arbor Adapter	

Replacement Pilot Drills



- 1/4" High Sped Pilot Drills for use with all Hole Saw Arbors
- For General Cutting Of Wood and Metal
- Blister Packed

Cat No.	Length	For Hole Saw Model	Each
13442	4-1/8"	13452, 13456, 13460, 13466	
13444	3-1/4"	13454, 13458, 13468, 13470	

Hole Saw Arbors



- Rugged, Heat Treated Steel Arbors Complete with 1/4" (6MM) High Speed Pilot Drill
- Cuts clean circular holes through steel & wood
- Built to Stand Up Under Hard High Speed Use
- Blister Packed

Cat No.	Shank	Includes Snap Pins	Fits Hole Saw Diameters	Replacement Pilot drill	Each
13452	1/4" (6.5mm) Round	No	9/16" - 1-3/16" (14-30)	13442	
13454	3/8" (9.5mm) Hex	No	9/16" - 1-3/16" (14-30)	13444	
13456	7/16"(11.0mm) Hex	No	9/16" - 1-3/16" (14-30)	13442	
13458	SDS Quick Change	No	9/16" - 1-3/16" (14-30)	13444	
13460	7/16" (11.0mm) Hex	No	1-1/4" - 6" (32-152)	13442	
13466	7/16" (11.0mm) Hex	Yes	1-1/4" - 6" (32-152)	13442	
13468	3/8" (9.5mm) Hex	Yes	1-1/4" - 6" (32-152)	13444	
13470	SDS Quick Change	Yes	1-1/4" - 6" (32-152)	13444	



Carbide Tipped High Speed Steel Hole Saw Cutters



- For Hard Materials
- Tungsten carbide tips are strengthened with the latest brazing technology ensuring a longer drilling life - 10x longer than standard hole saws
- Precision ground teeth cut smooth burr-free holes with ease
- Split-point pilot drill prevents walking & allows accurate hole placement
- Easily drills material as hard as stainless steel

Cat No.	Size	Conduit	CU Pipe	Each
13472	7/8"	1/2"	5/8"	
13474	1-1/8"	3/4"		
13476	1-3/8"	1"		
13478	1-1/2"			
13480	1-3/4"	1-1/4"	1-1/2"	
13482	2"	1-1/2"		
13484	2-1/2"	2"	2"	

Recessed Lighting Hole Saws - Carbide Grit



- The perfect choice for quick and easy installation of recessed lighting
- Carbide grit cutting edge easily cuts holes in ceramic tile, fiberglass, marble, slate etc.
- Cuts through stucco, lath, and plaster
- Cuts 1-3/8" deep through two sheets of 5/8" drywall in one pass to a depth of two inches
- Fits most major brands Halo, Capri, Marco, Juno, Prescolite, Progress, Lithonia, Lightolier, and others
- Strong, durable back plate
- Arbor not included (accepts Morris Arbor #13466, 13468, or 13470)

Cat No.	Diameter	Use For	Each
13492	4-3/8"	Juno, Capri, Marco, Halo	
13494	6-3/8"	Halo, Capri	
13496	6-5/8"	Juno, Progress	
13498	6-7/8"	Progress. Capri, Prescolite, Llghtolier, Lithonia, Marco	

Driller Dust Bowl



Driller's Dust Bowl solves the problem of making a mess while drilling large diameter holes in ceiling for the installation of recess light fixture, eliminating the need for face mask, goggles, drop cloths or vacuuming. The tool accessory is easily fitted between a drill's chuck and the cutting tool. It forms a seal to the surface of the material being worked on, and collapses like a plunger to allow the user to perform the task while

encapsulating all the debris created by the process. It works with a wide variety of drill bits, other cutting tools, and all sizes of hole saws.

- Works with tools you already have
- No ceiling marks
- Stops you from punching through once hole is cut

Cat No.	Description	Case Qty	Each
13500	Driller Dust Bowl	12	

Hack Saw Blades



- Bi-Metal Blades Combine the Toughness and Shock Resistance of an Alloy with the Cutting Ability of High Speed Steel
- Outlasts Conventional Blades up to 3 Times Longer
- High Resistance to Breaking & Requires Fewer Blade Changes
- Can Be Used In Any Hack Saw Frame
- Packed in Hanging See-Through Plastic Pouch

Cat No.	Length	Teeth Per Inch	Qty Per Pouch	Cuts Material	Each Blade
13012	12"	18	10	1/4" & thicker	
13014	12"	24	10	1/8"-1/4" thick	
13016	12"	32	10	1/8" thick & less	



Reciprocating Saw Blades

- Bi-Metal Construction for Faster Cutting & Longer Life Blade
- Wider, Thicker Design for Faster Cuts and Reduced Vibration
- Packed in Hanging See-Through Plastic Pouch

WOOD CUTTING BLADES



Cat No.	Teeth/Inch	L	W	TH	Description	Pouch Qty	Each Blade
13112	6	6"	3/4"	.05"	Very Fast Cutting, Nail Embedded Wood General Rough-In	5	
13114	6	12"	3/4"	.05"	Very Fast Cutting, Nail Embedded Wood General Rough-In	5	

METAL CUTTING BLADE



Cat No.	Teeth/Inch	L	W	TH	Description	Pouch Qty	Each Blade
13132	14	4"	3/4"	.05"	Metal 3/16-1/4", Conduit, Tubing, Channels, Pipe, Rubber, Fiber	5	
13134	14	6"	3/4"	.05"	.05" Metal 3/16-1/4", Conduit, Tubing, Channels, Pipe, Rubber, Fiber		
13136	18	4"	3/4"	.05"	Metal 1/8-3/16", Conduit, Tubing, Channels, Pipe	5	
13138	18	6"	3/4"	.05"	Metal 1/8-3/16", Conduit, Tubing, Channels, Pipe	5	
13140	24	4"	3/4"	.05"	Metal Thinner Than 1/8", Tubing, Pipe, Trim	5	
13142	24	6"	3/4"	.05"	Metal Thinner Than 1/8", Tubing, Pipe, Trim	5	

SCROLL CUTTING BLADES



Cat No.	Teeth/Inch	L	W	TH	Description	Pouch Qty	Each Blade
13162	4/6	6"	3/4"	.05"	3, ,	5	
					Contours, Nail Embedded Wood		
13164	14	3-5/8"	5/16"	.05"	Metal Scroll Cutting 3/16" Thru 1/4"	5	

ALL PURPOSE CUTTING BLADES



Cat No	Teeth/Inch	L	W	TH	Description	Pouch Qty	Each Blade
13182	10	6"	3/4"	.05"	All Woods, Nail Embedded Composition Material, Plastic, Ferrous and Non-Ferrous Metals	5	
13184	8/12	6"	3/4"	.05"	All Woods, Nail Embedded Composition Material, Plastic, Ferrous and Non-Ferrous Metals, Cast Iron	5	
13186	8/12	8"	3/4"	.05"	All Woods, Nail Embedded Composition Material, Plastic, Ferrous and Non-Ferrous Metals, Cast Iron	5	
13188	8/12	12"	3/4"	.05"	All Woods, Nail Embedded Composition Material, Plastic, Ferrous and Non-Ferrous Metals, Cast Iron	5	
13190	10/12	6"	5/8"	.05"	All Woods, Nail Embedded Composition Material, Plastic, Light Gauge Ferrous and Non-Ferrous Metals and Aluminum, Has 5/8" Width For Higher Flex	5	
13192	10/12	9"	5/8"	.05"	All Woods, Nail Embedded Composition Material, Plastic, Light Gauge Ferrous and Non-Ferrous Metals and Aluminum, Has 5/8" Width For Higher Flex	5	
13194	10/12	12"	5/8"	.05"	All Woods, Nail Embedded Composition Material, Plastic, Light Gauge Ferrous and Non-Ferrous Metals and Aluminum, Has 5/8" Width For Higher Flex	5	

MORRIS

TOOLS

Titanium Coated High Speed Steel Drill Bits



- Titanium Coated Withstands Higher Drilling Temperatures & Increases Life of the Bit 500% Over Uncoated Drill Bits
- M2 Steel for Superior Metal, Wood & PVC Drilling
- 135 Degree Split Point for No Slip Starting
- Self Centering, Reduced Thrust & Easier Penetration
- Precision Ground Flutes
- Blister Packed

Cat No.	Bit Size	Flute Length	Overall Length	Each
13512	1/16"	7/8"	1-7/8"	
13514	5/64"	1"	2"	
13516	3/32"	1-1/4"	2-1/4"	
13518	7/64"	1-1/2""	2-5/8"	
13520	1/8"	1-5/8"	2-3/4"	
13522	9/64"	1-3/4"	2-7/8"	
13524	5/32"	2"	3-1/8"	
13526	11/64"	2-1/8"	3-1/4"	
13528	3/16"	2-5/16"	3-1/2"	
13530	13/64"	2-7/16"	3-5/8"	
13532	7/32"	2-1/2"	3-3/4"	
13534	15/64"	2-5/8"	3-7/8"	
13536	1/4"	2-3/4"	4"	
13538	17/64"	2-7/8"	4-1/8"	
13540	9/32"	2-15/16"	4-1/4"	
13542	19/64"	3-1/16"	4-3/8"	
13544	5/16"	3-3/16"	4-1/2"	
13546	21/64"	3-5/16"	4-5/8"	
13548	11/32"	3-7/16"	4-3/4"	
13550	23/64"	3-1/2"	4-7/8"	
13552	3/8"	3-5/8"	5"	
13554	25/64"	3-3/4"	5-1/8"	
13556	13/32"	3-7/8"	5-1/4"	
13558	27/64"	3-15/16"	5-3/8"	
13560	7/16"	4-1/16"	5-1/2"	
13562	29/64"	4-3/16"	5-5/8"	
13564	15/32"	4-5/16"	5-3/4"	
13566	31/64"	4-3/8"	5-7/8"	
13568	1/2"	4-1/2"	6"	

16 Piece Titanium Coated Drill Bit Set

1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 17/64", 5/16", 3/8"



- 16 Piece Drill Set in Plastic Case
- Titanium Coated Withstands Higher Drilling Temperatures & Increases the Life of the Bit 500% Over Uncoated Drill Bits
- M2 Steel for Superior Metal, Wood & PVC Drilling
- 135 Degree Split Point for No Slip Starting
- Precision Ground Flutes
- Blister Packed

Cat No.	Description	Each
13592	16 Piece Drill Bit Set	



Nail Hawg Auger Bits



- Eats thru nails
- NEW DESIGN LASTS 8X LONGER
- Precision design prevents point breakage
- Primarily Used For Drilling Wood Where Small Nails and Other Materials May be Encountered
- 7/16" Shank
- Hollow Center Twist Designed for Fast, Continuous Flow of Chips
- Self-Feeding Screw Point Draws Bit
- Heat Treated for Long Life
- Packed in Hanging Hard Plastic Tube

Cat No.	Bore Diameter	Length	Each
13660	5/8"	7-3/4"	
13662	11/16"	7-3/4"	
13664	3/4"	7-3/4"	
13666	13/16"	7-3/4"	
13668	7/8"	7-3/4"	
13670	1"	7-3/4"	
13680	1/2"	18"	
13682	5/8"	18"	
13684	11/16"	18"	
13686	3/4"	18"	
13688	13/16"	18"	
13690	7/8"	18"	
13692	15/16"	18"	
13694	1"	18"	
13696	1-1/8"	18"	
13698	1-1/4"	18"	

Auger Bit Extensions



- 12" Extension Fits 7/16" Hex Shank
- Add 12" to your bit
- Heavy-duty set screw type
- Has 2 Set Screws
- Hex Wrench included

Cat No.	Each
13798	

Flat Spade Bits



- Fast Cut Bevel Edge
- Large Size Markings make Bit easily identifiable
- Bore Hardwood, Softwood, Plywood & Drywall
- Forged & Heat Treated for Long Life
- Hole in Top Center for Wire Pulling
- Heat Treated for Long Life
- Packed in Hanging See-Through Plastic Pouch
- Quick change feature

Cot No	Hala Diameter	Longeth	Foob
Cat No.	Hole Diameter	Length	Each
13812	1/4"	6"	
13814	3/8"	6"	
13816	1/2"	6"	
13818	5/8"	6"	
13820	3/4"	6"	
13822	7/8"	6"	
13824	1"	6"	
13826	1-1/8"	6"	
13828	1-1/4"	6"	
13830	1-3/8"	6"	
13832	1-1/2"	6"	
13842	3/8"	16"	
13844	1/2"	16"	
13846	5/8"	16"	
13848	3/4"	16"	
13850	7/8"	16"	
13852	1"	16"	
6 PIECE S	ET – 6" Long 3/8", 1/	/2", 5/8", 3/4"	, 7/8", 1"
13862	6 Piece S	Set	



Carbide-Tip Masonry Bits



- Slow spiral
- Alloy Steel Shank for Strength and Durability
- Shallow Precision Machined Wide Oval Flutes Lift & Prevents Dust Packing
- Carbide Tip Resists Dulling
- Drills Masonry, Brick, Stone, Plaster, Slate, etc.
- Produces Clean, Accurately Sized Holes Fast
- Packed in Hanging Hard Plastic Tube

Cat No.	Diameter	Shank Diameter	Length	Each
13612	1/8"	1/8"	3"	
13614	5/32"	5/32"	3"	
13616	11/64"	11/64"	3"	
13618	3/16"	3/16"	3"	
13620	7/32"	3/16"	3"	
13622	1/4"	1/4"	4"	
13624	1/4"	1/4"	6"	
13626	1/4"	1/4"	12"	
13628	9/32"	1/4"	4"	
13630	5/16"	5/16"	4"	
13632	3/8"	3/8"	4"	
13634	7/16"	3/8"	6"	
13636	1/2"	3/8"	6"	
13638	1/2"	3/8"	18"	
13640	9/16"	1/2"	6"	
13642	5/8"	1/2"	6"	
13644	11/16"	1/2"	6"	
13646	3/4"	1/2"	6"	
13648	7/8"	1/2"	6"	
13650	1"	1/2"	12"	
13652	1-1/8"	1/2"	12"	
13654	1-1/4"	1/2"	12"	
13656	1-1/2"	1/2"	12"	

Selfeed Bits



- Cuts Faster & Has Improved Balance with Reduced Runout
- Shanks Have Flat Surfaces for Secure Chuck Grip
- Feed Screws Removable & Replaceable
- Feed Screw Provides Fast, Effortless Feeding Even in Gummy Wood
- Double Sided Feed Screw & Allen Wrench furnished With Each Bit - After Bit is Worn, You Can Reverse the Bit to the Other Side
- Inside Cutting Plane Shaves Hole Radius for Clean, Smooth Holes without Pressure
- Spurs on Outside Diameter Cut Holes Clearly & Accurately
- Universal 7/16" shank

Cat No.	Size	Each
13881	1"	
13882	1-1/8"	
13883	1-1/4"	
13884	1-3/8"	
13885	1-1/2"	
13886	1-5/8"	
13887	1-3/4"	
13888	2"	
13889	2-1/8"	
13890	2-1/4"	
13891	2-9/16"	
13898	3mm Allen Wrench	
13899	Screw Point Replacement	



1/4" Magnetic Bit Holder/Extension Screwdriver Guide



- 2-3/8" long (extends to 4-3/4")
- Holds 1/4" hex insert bits & accepts #10 & smaller screws
- · Heat treated hardened steel bit
- Oversized magnet holds screw in correct starting position
- Outer sleeve slides over screwhead & helps to keep bit in the screwhead recess
- Extends power tool reach by reaching limited access areas

Cat No.	Each
13900	

Hex Shank Insert Bits



- 1/4" Hex Drive Insert & Power Bits
- Made of S2 Steel for Strength & Long Life
- · Packed in Hanging Hard Plastic Box

Cat No.	Overall Length	Point Size	Bits/Pkg	Each Bit
13912	1"	#1	10	
13914	1"	#2	10	
13916	1"	#3	10	
13920	2"	#2	5	

Saw Drill Bit



- Drills Holes & Saws in one operation used to enlarge holes
- Multi Function Bit Drills Saws and Reams Brass, Aluminum, Wood, and Plastics
- Cross Milled Cutting Edges for Rapid, Non Clog Cutting
- Fits any Electric Drill or Drill Press
- Cuts Own Starting Hole and Any Shape In Any Direction Tool is Moved
- Fully Ground Titanium for Long Life
- Packed in Hanging Hard Plastic Tube

Cat No.	Size	Each
13032	1/8"	
13034	5/32"	
13036	3/16"	
13038	3/32"	
13040	1/4"	
13042	5/16"	

Step Drill Bits



- One bit allows you the flexibility to drill various hole diameters
- Self-starting point eliminates starter holes or punches
- Double-fluted design for balanced cuts, faster penetration, & cooler operation
- Use for metal studs, switchboxes, lighting fixtures, junction boxes, etc.
- All bits marked with sizes
- Automatically deburs drilled hole
- Heat treated & tempered for maximum strength & life

Cat No.	Drill Diameter Sizes (inches)	Chuck Size	Each Bit
13980	1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2	1/4"	
13982	3/16, 1/4, 5/16, 3/8, 7/16, 1/2	1/4"	
13984	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	3/8"	
13986	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	3/8"	
13988	1/4, 25/64, 35/64, 11/16, 7/8, 1, 1-1/8, 1-7/32, 1-1/4, 1-3/8	3/8"	



100 Piece Security Bit Set



PH0, PH1, PH2 x 5pcs, PH3
SL 3, 4, 4.5, 5, 5.5, 6, 6.5, 7, 8mm
PZ0, PZ1, PZ2 x 5pcs, PZ3
Spanner 4, 6, 8, 10
Tri-wing 1, 2, 3, 4
4 Square 0, S1, S2, S3
M 5, 6, 8
Torq-set 6, 8, 10
Clutch 1, 2, 3
2.4" L magnetic bit holder
1" L Adaptor
2" L Adaptor
1" L Y-Bit

1"mm L Bit Holding Socket

T-8, T-10, T-15, T-20, T-25, T-27, T-30, T-35 T-40 (Tamper Proof)
T-8, T-10, T-15, T-20, T-25, T-27, T-30, T-40, T-45

Hex. 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8mm

Hex. 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32",3/16",7/32" 1/4"

Hex. 2, 2.5, 3, 4, 5, 6mm (Tamper Proof)

Hex. 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" (Tamper Proof)



- One of the most complete tamperproof screwdriver kits available anywhere with all of the most common & many of the rarest bits
- Includes magnetic holder & adaptors for power driving

Cat No.	Each
13950	

Super Yellow Anchor Kits



 Anchor Kits Include 100 Screws, 100 Anchors, 1 Drill Bit and a 2-Compartment High Impact Reusable Plastic Box with Hanger



YELLOW SUPER ANCHOR Larger & Better Holding than Conical Anchor





PAN HEAD/COMBO SCREW







Cat No.	Screw Size	Screw Type	Anchor	Kits Per Case	Each Kit
31020	10 X 1	Pan Head, Combo Slotted/Phillips	Super Yellow	48	
31024	10 X 1	Hex Head, Combo Slotted	Super Yellow	48	
31030	10 X 1-1/4	Pan Head, Combo Slotted/Phillips	Super Yellow	48	
31034	10 X 1-1/4	Hex Head, Combo Slotted	Super Yellow	48	

Plastic Trays



- Replacement trays for Morris Workbags located on page 190
- Can also be used without tool bag
- · Good for organizing small parts & fasteners

Cat No.	Size	Used in Tool Bag #	Each
53452	5.9" x 7.2" x 1.8"	53524 Square Tool Carrier	
53454	7" x 10.6" x 1.5"	53512 & 53516 Tool Bags	
53456	14.1" x 9.1" x 1.9"	53514 Tool Bag	





Green Grounding Screws

- For grounding of switch & outlet boxes
- Hex washer head slotted/phillips
- With Easy-Start Tip

Cat No.	Size	Box Qty	Per 100
30772	10/32 X 3/8	100	

多点

Green Grounding Clips

 Used with #10, #12, or #14 copper or aluminum grounding wire

Cat No.	Box Qty	Per 100
30773	100	



Green Grounding Pigtails

- Solid Green 12 GA Wire Attached 10/32 x 3/8 Grounding Screw With Easy-Start Tip
- 6" Overall Length

Cat No.	Box Qty	Per 100
30774	100	

Self Drilling Screws Hex Washer Head Zinc Plated



Cat No.	Size	Head Size	Box Qty	Per 100
30112	6-20 X 1/2"	1/4"	100	
30122	8-18 X 1/2"	1/4"	100	
30124	8-18 X 3/4"	1/4"	100	
30126	8-18 X 1"	1/4"	100	
30128	8-18 X 1-1/4"	1/4"	100	
30130	8-18 X 1-1/2"	1/4"	100	
30144	10-16 X 1"	5/16"	100	
30146	10-16 X 1-1/4"	5/16"	100	
30148	10-16 X 1-1/2"	5/16"	100	



Sheet Metal Screws Hex Washer Head Slotted Zinc Plated

Cat No.	Size	Head Size	Box Qty	Per 100
30212	6 X1/2"	1/4"	100	
30222	8 X 1/2"	1/4"	100	
30224	8 X 3/4"	1/4"	100	
30226	8 X 1"	1/4"	100	
30228	8 X 1-1/4"	1/4"	100	
30230	8 X 1-1/2"	1/4"	100	
30232	8 X 2"	1/4"	100	
30242	10 X 3/4"	5/16"	100	
30244	10 X 1"	5/16"	100	
30246	10 X 1-1/4"	5/16"	100	
30248	10 X 1-1/2"	5/16"	100	
30250	10 X 2"	5/16"	100	

Flat Head
Machine Screws
Slotted
Zinc Plated



Cat No.	Size	Box Qty	Per 100
30312	6-32 X 1/2"	100	
30314	6-32 X 3/4"	100	
30316	6-32 X 1"	100	
30318	6-32 X 1-1/4"	100	
30320	6-32 X 1-1/2"	100	
30322	6-32 X 2"	100	
30324	6-32 X 2-1/2"	100	
30326	6-32 X 3"	100	

Sheet Metal Screws
Pan Head
Combo Slotted/Phillips
Zinc Plated



Cat No.	Size	Box Qty	Per 100
30012	6 X1/2"	100	
30022	8 X 1/2"	100	
30024	8 X 3/4"	100	
30026	8 X 1"	100	
30028	8 X 1-1/4"	100	
30030	8 X 1-1/2"	100	
30032	8 X 2"	100	
30042	10 X 3/4"	100	
30044	10 X 1"	100	
30046	10 X 1-1/4"	100	
30048	10 X 1-1/2"	100	
30050	10 X 2"	100	
30052	12 X 1"	100	
30056	12 X 1-1/2"	100	
30058	12 X 2"	100	

Drywall Screws
Bugle Head Phillips
Black Phosphated
Fine Thread



Cat No.	Size	Box Qty	Per 100
30502	6 X1"	100	
30504	6 X 1-1/4"	100	
30506	6 X 1-5/8"	100	
30508	6 X 2"	100	
30510	6 X 2-1/4"	100	
30511	8 X 2-1/2"	100	
30513	8 X 3"	100	
30536	8 X 4"	100	
	BULK	PACK	
30518	6 X 2"	500	
30520	6 X 2-1/4"	400	
30532	8 X 2-1/2"	300	
30534	8 X 3"	200	

Round Head Machine Screws Slotted Zinc Plated



Cat No.	Size	Box Qty	Per 100
30408	6-32 X 1"	100	
30412	8-32 X 1/2"	100	
30414	8-32 X 3/4"	100	
30416	8-32 X 1"	100	
30420	8-32 X 1-1/2"	100	
30422	8-32 X 2	100	
30424	8-32 X 2-1/2"	100	
30426	8-32 X 3"	100	
30438	10-24 X 1-1/4"	100	
30452	10-32 X 3/4"	100	
30454	10-32 X 1"	100	
30456	10-32 X 2"	100	
30462	1/4-20 X 3/4"	100	
30464	1/4-20 X 1"	100	
30466	1/4-20 X 1-1/2"	100	
30468	1/4-20 X 2"	100	
30472	1/4-20 X 3"	100	





Hex Nuts Zinc Plated



Flat Washers Zinc Plated



Fender Washers Zinc Plated

Cat No.	Size	Box Qty	Per100
30612	6-32	100	
30614	8-32	100	
30616	10-24	100	
30617	1/4-20	100	
30618	5/16-18	100	
30619	3/8-16	100	

Cat No.	Size	Box Qty	Per100
30622	#6	100	
30624	#8	100	
30625	#10	100	
30626	1/4"	100	
30628	3/8"	100	
30629	1/2"	50	

Cat No.	Size	Box Qty	Per100
30632	1/4 X 1"	100	
30634	1/4 X 1-1/4"	100	
30638	1/4 X 1-1/2"	100	
30644	3/8 X 1-1/4"	100	
30646	3/8 X 1-1/2"	100	



Lock Washers Zinc Plated



Plastic Anchors



6-32 Painted Plate Screws

Cat No.	Size	Box Qty	Per100
30656	1/4"	100	
30658	5/16"	100	
30660	3/8"	100	

Cat No.	Cat No. Size		Per100
30700	#10 Super Yellow	100	
30702	#8 Conical	100	
30704	#10 Conical	100	

Cat No.	Size	Color	Box Qty	Per 100
30710	1/2"	Ivory	100	
30720	1/2"	White	100	
30730	1"	Ivory	100	
30740	1"	White	100	
30750	1"	Nickel	100	



Lag Screws Hex Head Zinc Plated



Hex Bolts
Grade 2
Low Carbon
Zinc Plated



Toggle Bolts
Round Slotted
Spring-Wing Type
Zinc Plated

Cat No.	Size	Box Qty	Per 100
30922	1/4 X 1-1/2"	100	
30924	1/4 X 2"	100	
30928	1/4 X 3"	100	
30934	5/16 X 2"	100	
30948	3/8 X 2"	100	
30952	3/8 X 3"	50	

Cat No.	Size	Box Qty	Per 100
30962	1/4-20 X 1/2"	100	
30963	1/4-20 X 3/4"	100	
30964	1/4-20 X 1"	100	
30965	1/4-20 X 1-1/4"	100	
30980	3/8-16 X 1"	100	
30981	3/8-16 X 1-1/4"	100	
30982	3/8-16 X 1-1/2"	100	

Cat No.	Length	Box Qty	Per 100
30832	1/8 X 3" (6-32)	50	
30838	3/16 X 3" (10-24)	50	
30840	3/16 X 4" (10-24)	50	
30846	1/4 X 3"	50	
30848	1/4 X 4"	50	



Self-Drilling Anchors



Couplings Zinc Plated



Wire Rope Clips Galvanized Mallable Iron For Guy Wire

•	Great for	3/8",	1/2"	& 5/8"	drywall

- Combo drive #6~8 phillips & #3 square drive
- Replaces molly & toggle systems

Cat No.	Type	Box Qty	Per 100
30706	Nylon	100	
30708	Zinc	100	

Cat No.	Diameter	Length	Box Qty	Per 100
30882	1/4-20	7/8"	100	
30886	3/8-16	1-3/4"	50	
30888	1/2-13	1-3/4"	50	

Cat No.	Size	Box Qty	Each
17302	1/4"	50	



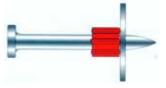
Drive Pins



- For fastening into concrete, steel, or masonry with power actuated tools
- .300 dia. Head with plastic ferrule as guide
- .143 dia. shank drive pins

Cat No.	Shank Length	Box Qty	Case Qty	Per 100
31111	1/2" Knurled	100	5000	
31112	5/8" Knurled	100	5000	
31114	3/4"	100	5000	
31116	1"	100	5000	
31118	1 1/4"	100	1000	
31120	1 1/2"	100	1000	
31122	2"	100	1000	
31124	2 1/2"	100	1000	
31126	3"	100	1000	

Drive Pins With Washer



- For fastening into concrete, steel, or masonry with power actuated tools
- . 300 dia. Head with plastic ferrule as guide
- .143 dia. shank drive pins, 1" dia. Metal washer

Ca	t No.	Shank	Box Qty	Case Qty	Per 100
3	1132	3/4"	100	1000	
3	1134	1"	100	1000	
3	1136	1 1/4"	100	1000	
3	1138	1 1/2"	100	1000	
3	1140	2"	100	1000	
3	1142	2 1/2"	100	1000	
3	1144	3"	100	1000	

Power Loads



1000pcs/case

- .22 caliber low velocity power charge
- Used for most low velocity single shot tools

Cat No.	Color	Power	Power Level	Box Qty	Per 100
31162	Gray	Lowest	1	100	
31164	Brown	Low	2	100	
31166	Green	Medium	3	100	
31168	Yellow	Strong	4	100	

Power Loads-10 Shot Strip



- .27 caliber power charge
- 1000pcs/case
- Used for most low velocity strip shot tools

Cat No.	Color	Power	Power Level	Box Qty	Per 100
31172	White	Lowest	2	100	
31174	Green	Low	3	100	
31176	Yellow	Medium	4	100	
31178	Red	Strong	5	100	

Drive Pins with Angle Clip



- For fastening angle clip into concrete, steel, or masonry with power actuated tools
- .300 diameter Head with plastic ferrule as guide, .143 diameter shank drive pins

Cat No.	Shank Length	Hole Dia.	Box Qty	Case Qty	Per 100
31152	1"	.278"	100	1000	
31154	1 1/4"	.278"	100	1000	

Malleable Hook



- 3/4" NPT threads
- Use with high bay and other fixtures
- · Includes screw

Swivel Pendant



- Swivel pendant mount allows highbays and other hanging fixtures to be mounted on a sloped ceiling
- Fits 3/4" conduit
- Includes reducer bushing to 1/2" with set screw
- Fits standard and round electrical boxes

Cat No.	Box Qty	Each
18094	25	

Cat No.	Box Qty	Each
18092	100	
18092	100	