

A

ABRASIVES

Belts 23-6-8, 23-13-21
 Bench Grinder 23-51
 Brick,Block and Masonry Saw 23-49
 Bristle Disc 23-4, 23-6
 Cartridge Roll 23-23-24
 Chop Saw/Miter Saw 23-38-39, 23-42, 23-46
 Circular Saws 23-38, 23-45, 23-49
 Cleaning Stick 23-19, 23-53
 Cones and Plugs 23-24, 23-47, 23-51
 Cotton Laminate 23-37, 23-50
 Cross Pads 23-25-26
 Cup Stones 23-37, 23-47, 23-50
 Cut-Off Saw 23-38, 23-42, 23-45-46, 23-49
 Cutting Wheels 23-36-39, 23-41-49
 Cutting/Notching/Grinding 23-35, 23-41, 23-44-45, 23-48
 Depressed Center (Type 27) 23-34-37, 23-40-41, 23-44-45, 23-47-50
 Deburring Wheels 23-9, 23-10
 Diamond 23-12
 Die/Straight Grinders 23-37, 23-41, 23-43, 23-48
 Fiber Disc Cutter 23-28
 Fiber Discs 23-3-4, 23-26-28, 23-42-43, 23-50
 Flap Discs 23-39-40
 Flap Wheels 23-11, 23-22-23
 Garnet Sheets 23-30
 Gas and Electric Saw 23-38, 23-42, 23-45-46, 23-49
 Grinding Wheels (Type 27) 23-34-36, 23-40-41, 23-44, 23-47, 23-49
 Grinding Wheels (Type 28) 23-34-35, 23-45, 23-49
 Hand/Floor Rubs 19-98, 23-37, 23-51
 Hand Pads 23-1, 23-32
 Holders 23-5, 23-27, 23-52
 Mandrels 23-10, 23-24, 23-43, 23-52
 Mounted Points 23-24, 23-47, 23-51
 Pressure Adhesive Discs (PSA) 23-43, 23-51
 Quick-Change 23-3-6, 23-26-27, 23-32-33, 23-50
 Rolls 23-2, 23-28-29, 23-31
 Roloc Discs 23-3-4, 23-26-27, 23-32, 23-50
 Sandscreen 23-31
 Semi-Flexible (Type 27 and 29) 23-36, 23-42, 23-45
 Sheets 23-2, 23-29-31
 Shop Rolls 23-2, 23-28-29, 23-31
 Square Pad 23-25
 Stationary Saws 23-39, 23-46, 23-49
 Street Saw 23-49
 Stones 23-19, 23-37, 23-47, 23-51
 Surface Conditioning 23-1-2, 23-4-6, 23-8-12, 23-31-33
 Velcro Back 23-5-6, 23-33
 "Z" Wheels (Type 29) 23-42, 23-45

ABSORBENT

Oil 24-22, 24-53-57
 Pads 24-53-56
 Pillows 24-54-55

Booms 24-54-56
 Rolls 24-53-55
 Spill Kits 24-56-57

ACCELERATORS

Adhesives 24-42

ACOUSTICAL

Anchors 26-4, 26-11
 Screws 26-1

ACRYLIC

Adhesive 26-13
 Caulk 28-5

ADAPTERS

Cam and Groove 27-3
 Electrical Cord 29-2-3
 Pin Lug 27-10
 Pipe 19-131
 Pipe Nipple Chuck 19-131
 Spindle 20-37
 Stud 19-140
 Threader 19-132
 Twist Drill 20-37
 Twist Drill Kit 20-41
 Type 1 and 27 Wheels 23-10-11, 23-43, 23-52
 Wire Brushes 21-11

ADAPTERS, SOCKETS

1/4" Drive 19-186-188
 3/8" Drive 19-189-192, 19-197
 1/2" Drive 19-193-194, 19-199
 3/4" Drive 19-196-197, 19-200-201
 1" Drive 19-110, 19-203
 1-1/2" Drive 19-118, 19-202
 #5 Spline 19-113

ADJUSTABLE WRENCHES 19-184, 19-213

ADHESIVES

Accelerators 24-42
 Acrylic 26-13
 Activators 24-42
 Capsule 26-14
 Construction 28-5
 Coatings 24-30, 24-32-33
 Contact 24-22
 Epoxies 24-32-33
 Epoxy 26-13
 Gasketing 24-34
 Panel 28-5
 RTV 24-34, 24-47
 Retaining 24-41
 Sealants 24-34, 24-46
 Spray 24-46
 Structural 28-5
 Sub Floor 28-5
 Thread Locking 24-43
 Thread Sealing 24-45

ADJUSTABLE WRENCHES 19-185, 19-224

AEROSOL

Adhesives 24-22, 24-46
 Cleaners 24-19-20, 24-31, 24-48

Coatings 24-32, 24-51, 24-69
 Electrical 24-21, 24-47
 Lubricants 24-16, 24-35, 24-49
 Primers 24-19
 Paints 24-18
 Specialties 24-20-21

AIR

Chain Hoist 10-22-23
 Compressor 30-5
 Blow Guns 27-8
 Drum Vacuum 19-109
 Filtering Systems 19-142
 Gun, Blower 19-110
 Gun, Vacuum 19-110
 Hammer 20-14, 20-65
 Hammer Tool Steel 21-1
 Movers 20-70
 Timer Control 30-29
 Tire Inflator 27-8
 Tools 20-9-16, 20-63-66
 Vacuum Pump 19-109
 Winches 11-3, 11-11-13

AIR ACETYLENE

Kits 31-7
 Tips 31-7

AIR HOSE

Bulk 27-1
 Coiled 27-8
 Filter 27-9
 Gauges 27-9
 Impact Tool 27-1
 Jack Hammer 27-1
 Lubricator 27-9
 Regulator 27-9
 Valve Flex 27-1
 Ventilation Blower Ducting 27-1

AIR HOSE FITTING

A Series (500 psi) 27-5
 Aro-Speed Interchange 27-8
 Automotive Interchange 27-7
 Ball Valve 27-12
 Boss Clamps 27-4
 Check Valves 27-12
 Industrial Interchange 27-6-7
 Menders 27-4, 27-10
 Nipples 27-10

AIRCRAFT

Cable 1-18

ALARMS

Back-up 17-28-29
 Carbon Monoxide 17-30-31
 Smoke 17-29-30

ALLEN

Hex Drivers 19-188, 19-192, 19-195-196
 Hex Keys 19-20-21

ALUMINUM

Chain 6-20
 Ladder 18-2, 18-7-8, 18-14

Master Index

ALUMINUM *continued...*

Scaffold Plank.....18-9, 18-11, 18-14, 18-17
 Stages18-9, 18-14

AMMETER19-52

ANCHOR

Beam, Fall Protection.....16-10
 Bolts26-25
 Expander, Machine Anchor19-41
 Kits, Roofing.....16-12
 Points, Roofing.....16-14-15
 Setting Tool, Caulking Anchor.....19-43
 Shackle.....4-4-7

ANCHORING

Cement.....28-6-7
 Hooks, Block & Tackle.....19-82

ANCHORS

Acoustical.....26-4, 26-11
 Acoustical System.....26-20
 Acrylic Adhesive.....26-13
 Adhesives.....26-13-14
 Adhesives Accessories.....26-14
 Autofast System.....26-19
 Autotraxx System.....26-16
 Base Materials.....26-8
 Brushes.....26-14
 Capsule.....26-14
 Ceiling.....26-1, 26-4, 26-11
 Cordless System.....26-17
 Drive-In.....26-5-7, 26-12
 Drop-In.....26-10
 Drywall.....26-7, 26-12
 Drywall System.....26-20
 Electric System.....20-59, 26-17
 Electrical Contractor System.....26-20
 Epoxy.....26-13-14
 Expansion.....26-5
 Fastening Systems.....20-59, 26-15-22
 Fastraxx System.....26-17
 Forming.....26-11
 General Contractor/Framer System.....26-20
 Grid Master.....26-17
 Gypsum/Cement Panels to Steel.....26-15
 Hammer Drive.....26-5-7, 26-12
 Hangermate.....26-1
 Hole Plugs.....26-14
 Hollow Wall.....26-4-5, 26-7
 Hook Bolt.....26-1
 Insulation to Masonry/
 Concrete/Wood.....26-17-18
 Lag Shield.....26-4
 Loads (P.A.T.).....26-16, 26-22
 Machine Screw.....26-4
 Metal Decking System.....26-16-17
 Mungo.....26-7
 Nylon Nail.....26-6
 Pins (P.A.T.).....26-16, 26-21-22
 Pipe Hanging.....26-1, 26-11
 Plastic Anchors.....26-6-7, 26-13
 Pneumatic Systems.....26-15
 Powder Actuated.....26-16, 26-19-22

Rebar Hook.....16-10
 Remodeling Systems.....26-20
 Sammy Screws (Hangermate).....26-1
 Screen Tubes.....26-14
 Self Drilling Fasteners.....26-16-17
 Sleeve.....26-9, 26-11
 Stucco Lathe to Steel.....26-15
 Tapcon.....26-12
 Threaded Rod Hanger.....26-1, 26-11
 Toggle / Wings.....26-4, 26-7
 Trakfast.....26-19
 Umbrella Inserts.....26-14
 Wedge Anchors.....26-9-10
 Wire Hook.....16-10
 Wood to Steel.....26-15

ANGLE ACCESSIBLE TOOLS.....20-76

ANGULAR CUTTERS.....20-36-41

ANTI-SLIP

Coating.....24-30
 Matting.....17-39-40

ANTI-FATIGUE

Matting.....17-39-40

ANTI-SEIZE LUBRICANTS.....24-35-36

ANTISEPTICS.....17-22

ANTI-SPATTER-WELDING.....24-21

ANTI-STATIC

Matting.....17-40

ANTI-VANDAL SPRAY.....24-19

APRONS

Belly Patch.....17-18
 Double Coated.....17-18
 Leather.....17-18
 Nail/Screw and Tool Pouch.....19-27, 19-77
 Tool.....19-27, 19-77

ARBORS

1/2" Chucks.....20-40
 3/8" Chucks.....20-40
 Extenders.....20-37
 Holesaw.....22-17, 22-44

ARC

Welder.....30-6-7
 Welding Supplies.....31-11

ARRESTORS

Fall.....16-14
 Gas Flashback.....31-8

ASCENDER

Fall Protection.....16-16

ASPHALT

Cutter.....21-14, 22-32
 Lute.....19-174
 Rake.....19-174

ASSEMBLIES, CABLE

Fittings.....3-13-18
 How to Measure.....3-13
 Illustration.....3-13

ASSEMBLIES, WIRE ROPE

Positive Grip.....3-8-13

Spelter Sockets.....3-1
 Swage Sockets.....3-3

AUGER

Bit Kits.....19-41-42
 Bit, Extensions.....22-1
 Closet.....19-150
 Hand Brace.....22-2
 Impact Bits (Nail Eaters).....19-38-39
 Impact Wrench Bit.....22-2-3
 Power Drill (Nail Eater).....19-38-39
 Power Drill Bit.....22-1-3, 22-19
 Ship Bit.....22-1-3, 22-19
 Utility Pole Bit.....22-2

AVIATION SNIPS.....19-2, 19-19

AWL.....19-70

AXES

Boy's.....19-4
 Camp/Hunter.....19-4
 Double Bit.....19-4
 Elite.....19-4
 Fireman's.....19-5
 Handles.....19-4-5
 Landscaping.....19-4
 Lickety Splitter.....19-4
 Michigan.....19-4
 Miners.....19-4
 Single Bit.....19-4

B

BACKING PADS

Diamond Disc.....23-12
 Fiber Disc.....23-28, 23-43, 23-52
 Flexible Grinding/Blending.....23-52
 Hook and Loop.....23-53
 Pressure Sensitive.....23-52
 Quick Change.....23-52-53
 Spiralcool.....23-28
 Surface Conditioning.....23-53
 Velcro.....23-53

BACKING OUT

Hammers.....19-8
 Punches.....19-8

BACK-UP ALARMS.....17-28-29

BAGS

Bolt.....19-82
 Bull Pin.....19-83
 Compartment.....19-80
 Contractors.....19-27
 Electrode.....19-82
 Equipment.....19-80
 Garbage.....28-9
 Grout.....19-94
 Hose.....19-82
 Parts.....19-28
 Power Tools.....19-27
 Small Parts.....19-27
 Stacker Pockets.....19-27
 Tool.....19-27, 19-80-85

BAGS *continued...*

Tool Roll.....19-27
Trash28-9
Utility.....19-82

BAIL

Sockets, Wire Rope3-4

BAKER

Scaffolding18-12, 18-15-16

BALANCERS

Tool.....20-16

BALE LIFTING TONG

.....13-14

BALL

Hitches7-4-5
Overhaul.....5-13

BALL END

Hex Key Wrenches19-19-20

BALL VALVES

Brass27-12

BAND SAW

Battery Pack.....20-29
Blade Characteristics22-22
Blade Selection Variables22-22
Blade, Materials.....22-23
Blades, Portable.....22-19, 22-24
Portable.....20-55, 20-62
Saw20-27-28, 20-43, 20-55, 20-62
Stationary20-43

BANDANNA

.....17-8

BANDFILE

.....20-24-27, 20-60

BANDING TOOLS, HOSE

.....27-12

BAR

Breaker19-186, 19-192-193, 19-195
Cargo.....7-7
Carpenters.....19-6
Claw19-7
Connecting19-84
Crowbar.....19-7
Diamond Point.....19-6-7
Digging19-7
Grizzly19-83
Jack, Load Securement7-7
Manhole Cover Lifting19-8
Molding Tool19-6
Nail Puller.....19-6
Pinch19-7
Pinch Point.....19-7
Pry.....19-8, 19-99
Rack15-34
Ripping.....19-6, 19-83-84
San Angelo19-7
Scraper.....19-6
Series F & SAF-T-Lok,
Load Securement7-7
Slate19-7
Stripping19-7
Telegraph Digging19-7
Utility.....19-6
Warehouse Loading19-7
Wedge Point.....19-7

Winch, Load Securement.....7-5
Wrecking19-6

BARREL

Hooks4-15
Pins19-8, 19-87

BARRICADE

Flasher Batteries17-27
Flashing Lights17-35
Plastic.....17-35
Tape.....17-35

BARRIER

Grabs13-13-14
Fence17-38
Tape.....17-38
Tape Dispenser17-38
Webbing17-38

BASIN

Wrench19-117

BATTERIES

Alkaline17-26
Barracade Flasher.....17-27
General Purpose17-27
Heavy Duty.....17-27
Lantern17-27

BATTERY

Cleaner.....24-31
Terminal Coating24-21, 24-31

BEAM

Anchor16-10
Tongs.....13-14
Trolley, Runaway12-5-6
Trolleys, Fall Protection.....16-10

BEAM CLAMP.....12-3, 12-5-6, 12-9

BEAM CLAMPS

Pipe Hanger26-74-75, 26-89
Strut26-74-75

BEAM, LIFTING

Adjustable Hook13-1
Custom13-5
Fixed Hook13-1
How to Specify a Beam.....13-2
Load Leveler.....13-2
Twin Bail13-2
Twin Basket Sling13-3

BEAM, SPREADER

Adjustable.....13-4
Custom13-5
Fiberglass.....13-4
Fixed.....13-3

BEARING

Grease.....24-50-51
Heater.....19-105
Packer24-4
Pullers14-31-34, 19-115
Splitter14-35

BELOW THE HOOK

Lifting.....13-1-22

BELT

Abrasives23-6-8, 23-13-21
Body16-15
Cleaning Sticks23-19, 23-53
Deburring23-6-7
Dressings24-20, 24-32
File20-24-27, 20-60
Ironworkers.....19-80
Magnetic Clip.....19-109
Narrow, Abrasives23-13-18
Pump Sleeves23-19
Repair24-30-31
Sander20-8
Snap Loop.....19-79
Surface Conditioning.....23-8, 23-33
Suspenders19-80
Tire Wire.....19-80
Tool19-27, 19-75, 19-79-80
Wide, Abrasives.....23-19-21

BENCH

Grinder20-43
Grinder Wheels23-51
Locker Room15-41
Vises.....19-128-129
Work.....19-54, 19-101

BENDERS

Conduit19-34-36, 19-74, 19-139
Electric.....19-34-35
Hand19-34
Heater.....19-35-36
Hickeys.....19-34, 19-83
Instrument19-138
Level.....19-138
Offset.....19-34
Pipe19-35
Plumbing19-138
PVC19-36
Tri19-138
Tubing.....19-138
Rebar.....19-83

BEVELED

Washers26-44

BEVELING

Bands19-52
Dies19-131
Machines19-51
Pipe End Prep Lathes19-52
Shape Cutting Attachments.....19-51

BIB OVERALLS

Cold Weather17-19

BIN

Box/Cabinet Packages15-38-39
Cups15-36
Display Storage Units.....15-38-40
Revolving.....15-34
Shelf15-35-36
Shelving Packages.....15-36
Storage.....15-34-38, 15-40
Systems, Hanging15-35-36
Tilt.....15-30

Master Index

BINDER

Chain Assemblies	7-2
Chain Assemblies	6-19, 7-2
Chain (Grade 70)	6-18
Load	7-1-3

BINDER, LEVER

E-Z Pro Cam Release Lever	7-2
Midget Load Binder	7-2
Snubbing Load Binder	7-2
Standard Lever Type Load Binder	7-1-2

BINDER, RATCHET

Quic-Link	7-1
Standard	7-1
Turnbuckle	7-2-3

BIT BRACES

BITS

Auger	22-1-3, 22-19
Clutch, Screwdriver	21-23
Core	22-11
Female Square Drive Torx, Screwdriver	21-21
Forstner	22-3
Frearson, Screwdriver	21-23
Holder, Screwdriver	21-24
Insert, Screwdriver	21-18-24
Paddle	22-1
Phillips, Screwdriver	21-18-19
Power, Screwdriver	21-19-23
Pozidriv, Screwdriver	21-21
Robertson, Screwdriver	21-22
Self-Feed Wood	22-3, 22-19
Slotted, Screwdriver	21-19-20
Socket Head Tamper Resistant, Screwdriver	21-22
Socket Head, Screwdriver	21-21-22
Spanner, Screwdriver	21-22
Square Recess, Screwdriver	21-22
Torq-Set, Screwdriver	21-23
Torx Tamper Resistant, Screwdriver	21-20
Torx, Screwdriver	21-20
Torxalign (Wedge), Screwdriver	21-21
Tri-Wing, Screwdriver	21-23

BLADE

Abrasive	23-34-50
Band Saw	22-19, 22-22-24
Combination - Carbide	22-29, 22-36
Cut-Off	23-35-50
Deck - Carbide	22-29
Diamond	22-4-10
Emergency	22-30
Finishing - Carbide	22-29
Framing - Carbide	22-30
General Purpose - Carbide	22-29
Hacksaw, Hand	22-15, 22-20
Hook	19-163
Jigsaw	22-14-15, 22-20-21, 22-25-26
Miter Box Saw	22-30
Nail Cutting	22-30
Non-Ferrous	22-30, 22-36
Plastic	22-36
Plastic/Hardwoods	22-31

Power	22-19-20
Precision Finishing - Carbide	22-29
Radial Arm Saw	22-30
Razor	
Reciprocating Saw	22-12-13, 22-20-21, 22-25-26
Ring Saw	20-65
Rip	22-30
Roofer's Special	22-30
Sawzall Blades	22-12-13, 22-20-21, 22-25-26
Steel Cutting	22-12-13, 22-20-21, 22-25-26, 22-37
Table	22-30
Utility Knife	19-162-163
Wall Stripper	19-175

BLANKET

Curing	28-9
Fire	17-22
Welding	31-1

BLOCK AND TACKLE

Line Parts	5-3
Loads on Blocks	5-2
Maintenance	5-1-2
Overhaul Weight	5-3
Reeving and Right Angle Reeving	5-3
Selection Guide	5-1
Set Up	19-86
Sheave Bearing Applications	5-2
Sheave Size and Wire Rope Strength	5-3
Warnings	5-1
Block and Tackle with Rope	19-82
Block Saw	30-10

BLOCKS

Bridge Crane	5-11
Construction	5-10
Deck	5-7
Directional	5-8
Drop Link and Self Locking	5-6
Easy Reeve	5-10
Fixed Eye	5-9
Flag	5-7
Flat Mount	5-9
Gin	5-6
Lead	5-7
Manila Rope	5-6
One Sheave Shorty "J"	5-11
Quick Reeve	5-11
Sanding	19-176
Snatch	5-4-5
Steel	5-6
Swivel Eye	5-9
Swivel Hook	5-9
Utility	5-11
Wood	5-6

BLOW GUN

Air	27-8
Fishline	19-42

BLOWER

Air	30-13
Hose	27-1
Landscaping	20-69

BLUE WATER PLUS

Ropes	9-7
-------------	-----

BOAT

Lifting Slings	8-7
Trailer Winch	11-10
Body Drills	22-31

BODY HARNESS

Back Pad	16-5
Body Belts	16-5
Buyer's Guide	16-2
Construction	16-3
D-Ring Extension	16-5
How to Put on	16-2
Lanyard Clip Retro Fit	16-5
Lanyard Ring	16-5
Non-Stretchable	16-4
Shoulder Pad	16-5
Sizing Chart	16-1
Stretchable Miller	16-3
Tower Climbing	16-3
Utility	16-4
Velcro Sleeves	16-5
Warehouse Picker	16-3
Welders Harness	16-5
Women's	16-3

BOLT

Bags	19-82
Die Heads	19-122
Dies	19-122
Eye Lifting	4-33-35, 4-40
Tension Calibrator	30-29
Threaders	19-121-122

BOLT & BAR CUTTER, HYDRAULIC

BOLTS

A-325	26-23-24
Aluminum	26-54
Anchor	26-25
B7 (Heavy Hex)	26-24
Brass	26-53-54
Carriage Bolts	26-24-25, 26-45
Elevator	26-25
Eye Lag Screw	25-9, 25-11
Eye Machine Screw	25-9, 25-11
Flange	26-24
Heavy Hex (B7)	26-24
Hex Head Cap	26-23, 26-44-45, 26-51, 26-53-56, 26-60-61
J	25-10-11
Lag	26-25, 26-45
Machine	26-31-35, 26-46-47, 26-53-55, 26-59, 26-62-63
Metric	26-55-63
Nylon Bolts	26-55
Plow Bolts	26-25
Security	25-15
Socket Cap	26-26-28, 26-48-49, 26-51-52, 26-56-58, 26-61-62
Stainless	26-44-52, 26-60-63
Structural	26-23-24
Tap	26-25
Tension Control	26-24

BOLTS *continued...*
 Toggle.....26-4
 U.....25-9-10

BOOM PENDANT
 Inspection.....3-1
 Thimbles.....3-1

BOOMS
 Sorbents.....24-55-56
 Booster Cables.....29-4

BOOT
 Buckle.....17-16
 Covers.....17-16
 Hazmat.....17-16
 Hip.....17-15
 Knee.....17-15-16
 Over Shoe.....17-16
 Safety Toe.....17-15

BOSS COUPLERS.....27-4

BOX
 Casters.....19-49
 Compartment.....15-37
 Field Office.....19-51
 Jobsite Storage.....19-49-51
 Mixing.....19-166
 Mortar.....19-166
 Tool.....19-175
 Truck, Plastic.....15-24
 Truck, Steel.....15-24
 Wrenches.....19-182-183
 Wrenches, Ratcheting.....19-182-183

BRACE, BIT.....19-75

BRACKETS
 Strut.....26-75-77

BRAD
 Point Drill Bits.....22-3

BRAID
 Ropes.....9-4-6
 Wire Rope Slings.....2-12

BRAKE
 Cleaner.....24-48

BRASS
 Ball Valves.....27-12
 Barbed Fittings.....27-10
 Bolts.....26-53-54
 Hose Couplers.....27-10, 27-14-15

BRAZING
 Alloys.....31-8-9
 Flux.....31-11
 Goggles.....31-11
 Mapp/Propane Kits.....31-2-4
 Outfits.....31-6, 31-9-10
 Rods.....31-4
 Tips.....31-6-7
 Torches.....31-2-3

BREAKERS
 Pavement.....20-5, 20-9, 20-27
 Tool Steel.....21-13-15, 22-32-33

BRICK
 Rubbing.....19-96, 23-37, 23-51
 Set.....19-99
 Bricklaying Tools.....19-94

BRIDGE
 Crane Block.....5-11
 Cranes.....15-7
 Safety Net Systems.....16-18
 Wire Rope.....1-16

BRIDLE
 Web Slings.....8-7
 Web Sling Hardware.....8-7-8

BRIDLE SLINGS, WIRE ROPE
 2 legged.....2-7-9
 3 legged.....2-9
 4 legged.....2-10

BRIGHT-BUFF
 Belts.....23-8, 23-33
 Hand Pads.....23-1-2, 23-31-32
 Quick Change Discs.....23-4-5, 23-32-33
 Rolls.....23-1-2, 23-32
 Sheets.....23-2, 23-32
 Velcro Discs.....23-5-6, 23-33

BRINELL HARDNESS TESTER.....31-5

BRISTLE
 Discs.....23-4, 23-6

BROODER.....29-4

BROOMS
 Concrete.....19-96
 Corn.....24-23
 Dust Pans.....24-23
 Floor.....24-23
 Garage.....24-23
 Handle Braces.....24-23
 Handles.....24-23
 Mill.....24-23
 Push.....19-174
 Street.....19-174, 24-23
 Warehouse.....24-23
 Wisk.....24-23

BRUSHES
 Abrasive Nylon.....21-7
 Auto.....24-23
 Brooms.....24-23
 Cable Pulling Duct.....19-45
 Cable Pulling Duct Mandrel.....19-46
 Chip.....24-23
 Copper Cleaning.....19-139
 Counter Dusters.....24-23
 Crimped Wire Wheels.....21-3-6
 Cup.....21-6-8
 Encapsulated.....21-5
 End.....21-11-12
 Flap Surface Conditioning.....23-12
 Flux.....31-5
 Knot-Type Wire Wheel.....21-5, 21-9-10
 Masonry.....19-94
 Micro.....21-6
 Mini Grinder.....21-10-11

Paint.....24-23
 Pot.....24-23
 Power.....21-2-13
 Power Application Guide.....21-6, 21-9, 21-11
 Pressure Washer.....30-24
 Scrub.....24-23
 Soldering.....31-5
 Stem Mounted.....21-12-13
 Tube.....21-12-13
 Twisted Wire.....21-12-13
 Wire Scratch.....24-23

BUCKET
 Canvas.....19-81-82
 Corner.....28-4
 Plastic.....19-27
 Pumps.....24-3-7
 Seat.....19-29
 Stacker.....19-27
 Tool Organizer.....19-27-29

BUCKLE
 Cam.....7-8
 Loose Roller.....25-7
 Ratchet.....7-8
 Steel Strapping.....27-12

BUFFALO WEB SLINGS.....8-1-9

BULL
 Float.....19-95
 Pin Bag.....19-82
 Pin Holder.....19-79
 Pins.....19-83
 Points.....22-52

BURN TREATMENT KITS.....17-22

BURRS
 Carbide.....22-26-29
 Non-Ferrous.....22-27-28

BUSTER
 Rivet.....20-10
 Tool Steel.....21-16-17

BUTANE
 Cylinders.....31-4

BUTTON
 Swage Fittings.....3-5

C

C-CLAMP
 Copper-Plated Spindle.....19-207
 Deep Throat.....19-203
 Extra Heavy Duty.....19-208
 Heavy Service.....19-203
 High Visibility.....19-207
 Wilton.....19-207

CABINET
 Bench, Mobile.....15-41
 Casters.....19-49
 Corrosives Storage.....15-29
 Drum Storage.....15-28-29
 Field Office.....19-51

Master Index

CABINET *continued...*

Flammable Waste	15-29
Flat Top	19-49
Four Door	19-50
Hazardous Material	15-29
Job Box	19-51
Safety Can Storage	15-29
Safety Organizer	15-28
Slant Top	19-50
Storage	15-38-40
Tool	19-175-178
Two-Door	19-50
Utility	19-50
Work Bench	19-50

CABLE

Aircraft	1-18
Alloy	1-20
Assemblies	3-13
Clamps, Continuous	4-2
Cleaner	24-48
Coated	1-20
Collars	19-93
Compression Sleeves	3-12-13
Connect Crimper	19-61-62, 19-72
Cutters	19-16-17, 19-47-48, 19-62-63
End Fittings	3-14-18
Fire Stop Spray	28-19
Grips	19-84-93
Hooks, Ladders	18-11, 18-17
Knives, Insulated	19-213
Laid Grommet Sling	2-11
Preparation Tools	19-62
Pullers	19-43-44
Pulling Connectors	19-46, 19-87-93
Pulling Flexible Mandrel	19-46
Pulling Grips	19-85
Pulling Lube Swab	19-45
Pulling Lubricant	19-45
Pulling Rope	19-44
Pulling Rope Clevis	19-46
Pulling Rope Safety Tips	19-43
Pulling Rope Stands	19-44
Pulling Swivel Toggles	19-89
Pulling Swivels	19-46, 19-89-90
Pulling Wire Duct Brush	19-45
Reel Jack	15-11
Shears, Insulated	19-62
Sheath Splitting Knife	19-71
Skinning Knife	19-71, 19-73
Splicer's Knife	19-71
Stainless Steel	1-19
Strain Relief Grips	19-93
Stripper	19-61
Suspension Grips	19-92-93
Terminals	3-14-18

CABLE CUTTERS

ACSR	19-48
Battery Powered	19-48
Compact	19-47-48
Hydraulic	19-48
Insulated	19-71-72

Manual	19-62-63
Ratcheting	19-47-48, 19-63

CABLE, ELECTRICAL

Booster	29-4
Bulk Powder Cord	29-6
Cords	29-1-2, 29-8
Lamp Cord	29-5
Thermostat	29-5

CADDY

Electrical Wire	19-48-49
Spill Containment	15-30

CAGE

Work	18-18
Calcium Chloride	24-22

CALIBRATOR

Bolt Tension	30-11
Torque Wrench	30-11

CALIPERS

Dial	19-32
Digital	19-31
Hermaphrodite	19-29
Pocket	19-32
Vernier	19-32
Cam and Groove Fittings	27-3
Cam Buckle	7-8

CAMERA

Digital Inspection	20-61
--------------------------	-------

CANS

Garbage	28-8
Safety	15-26-27
Cant Hooks	28-3

CANVAS

Tarps	28-9
-------------	------

CAP

Lamps (Mining Industry)	17-26
Screw	26-23, 26-26-28, 26-44-45, 26-48-49, 26-51-53, 26-55-58, 26-60-62

CAPSTAN

Winches	11-4, 11-9-10
---------------	---------------

CAPSULE

Anchors	26-14
---------------	-------

CAR

Reamers	22-35
Carabiners	16-10, 16-16

CARBIDE

Hole Cutter	19-3
-------------------	------

CARBIDE TIPPED

Drill Steel	21-15
Holesaw	22-18, 22-25, 22-33-34
Masonry Bits	22-31-33
Rock Bits	21-15
Carbon Monoxide Alarms	17-30-31

CARGO

Identification Signs	17-37
Net Hardware	7-8-10
Nets	7-8-10
Safety Nets	16-18

CARRIAGE

Bolts	26-24-25, 26-45
-------------	-----------------

CARRIER

Pipe	13-14
Timber	28-3

CART

Cut-off Saw	20-69
Drywall	18-12
Electrical Wire	19-48
Hand Truck Caddy	19-46
Pipe	19-51
Service	15-25
Tilt Bin	15-38
Tools	19-178
Wire	19-46
Wire Caddy	19-46

CARTRIDGE

Rolls	23-23-24
-------------	----------

CARTRIDGES

Grease Gun	24-35-36, 24-50-51
Carts, Hydraulic Pump	14-16, 14-25

CASES/INDEXES

Casters	15-20-21
---------------	----------

CAULK

Acrylic	28-5
Fire Stop	28-10-12, 28-19
Gun Cordless	20-52
Silicone	28-5, 28-12
Silicone	24-47, 28-5, 28-12

CAUTION

Tape	17-38
------------	-------

CEILING

Anchors	26-1, 26-4, 26-11
Fans	30-35
Safety Nets	16-17
Sprayer	19-101

CELL PHONE

Holder	19-75
--------------	-------

CEMENT

Anchoring	28-6-7
Grout	28-6-7
Hydraulic	28-7
Patching	28-6
PVC Pipe	24-29
Water Stop	28-7

CENTER

Finder Set	19-30
Punch	19-28, 19-98

CHAIN

Adjuster, Tire	6-22
Aluminum	6-20
Attachments	6-17-20
Bar & Chain Oil	20-67
Binder Chain Assemblies	6-19
Binder, Assemblies	7-2
Binding (Grade 70)	6-18
Carbon-Welded	6-18, 6-20

CHAIN continued...

Carbon-Weldless	6-20
Casehardened	6-18
Clamps	19-19-53
Coil Straight Link	6-19
Coil Twisted Link	6-19
Conveyor/Mining	6-18
Conveyor/Mining Attachments	6-18
Cross	6-19
Customized Attachments	6-14
Double Loop	6-20
High Test (Grade 43)	6-18
Load Securement Assemblies	6-17-19
Lubricants	24-50
Machine	6-19
Mining	6-18
Overhead Lifting (Grade 80 and Grade 100)	6-1-10
Overhead Lifting Assemblies	6-1-4, 6-8-10, 6-19
Overhead Lifting Attachments	6-11, 6-4-7, 6-9-10
Passing Link	6-19-20
Pipe Tong	19-203
Plastic	6-22
Plastic, Attachments	6-22
Pliers, Tire	6-22
Proof Coil (Grade 30)	6-18
Safety Brass	6-17, 6-20
Sash	6-17, 6-20
Saw	20-66-67
Saw, Diamond	30-11
Security	6-18
Shortener	6-4, 6-10
Side	6-19
Single Jack	6-17, 6-20
Single Loop	6-20
Specialty	6-15
Stainless	6-15-17
Stainless Attachments	6-15-16
Stainless, Overhead Lifting	6-15-17
Tire	6-21
Tire Chain, Attachments	6-22
Tow Truck Chain Assemblies	6-20
Twisted Cross	6-21
Two-Cycle Oil	20-67
Vehicle Assemblies	6-17-19
Vehicle Tie-Down Assemblies	6-20
Vise	19-119
Welded Side	6-21
Well	6-20
Winchline Tail	6-21
Wrenches	19-117, 19-203
CHAIN CONNECTOR	
Link, Stainless Steel	4-38
Shackle Sling Saver®	4-9-10
CHAIN CONTAINER, HOIST	10-20-21
CHAIN HOISTS	
Accessories	10-20-21
Air	10-21-24
Chain Container	10-20-21
Cord Reels	10-21

Electric	10-12-19
Festooning Packages	10-21
Hand	10-7-9
Trolley Hoist	10-7-8
Weather Resistant Covers	10-20
CHAIN HOOKS	
Clevis Grab	4-21, 4-40
Clevis Slip	4-21, 4-40
Eye Grab	4-21, 4-40
Eye Slip	4-12, 4-21, 4-41
CHAIN, OVERHEAD LIFTING (GRADE 100)	
Adjustable Double Chain Sling	6-8
Adjustable Double Loop Chain Sling	6-9
Adjustable Single Chain Sling	6-8
Adjustable Single Loop Chain Slings	6-9
Assemblies	6-8-9
Attachments	6-9-10
Basket Type Chain Slings	6-9
Chain Shortener	6-10
Chain Size/Load Limit	6-8
Double Chain Sling	6-8
Endless Basket Chain Slings	6-9
Identification/Serial Number Tags	6-10
Single Chain Sling	6-8
Triple and Quad Chain Sling	6-8
CHAIN, OVERHEAD LIFTING (GRADE 80)	
Adjustable Double Loop Chain	6-3
Adjustable Double Loop Chain Sling	6-3
Adjustable Single Chain Sling	6-3
Adjustable Single Loop Chain Sling	6-3
Adjust-A-Link Sling	6-4
Assemblies	6-2-14, 6-19
Attachments	6-5-7
Bail-Type Magnet Chain Assemblies	6-4
Basket Type Chain Sling	6-3
Care, Use and Inspection	6-1-2, 6-11
Chain Shortener	6-4
Chain Size/Load Limit	6-1
Double Sling	6-2
Endless Basket Chain Sling	6-3
Inspection Programs	6-2, 6-11
Selection and Ordering	6-1
Single Chain Sling	6-2
Standard Triple Branch Magnet Chain	6-4
Temperature Conditions Influence	6-2, 6-11
Testing and Certification	6-2, 6-11
Tool Box Sling	6-3
Triple and Quad Chain Slings	6-2
Types of Chain Slings	6-1
Wear Allowances	6-2, 6-11
Winchline Tail Chains	6-21
CHAIR, INDUSTRIAL	15-41
CHALK	
Boxes	19-54
Line	19-57
Marking	19-54
Railroad	24-27
Reels	19-57
CHANNELIZERS	17-35
CHANNELLOCK PLIERS	19-10-11

CHANNELS	
Strut	26-67-70
CHAPS	
Leather	17-19
CHARGER/RADIO	20-21
CHECK	
Valves	14-19, 27-12, 31-8
CHEMICAL RESISTANT	
Matting	17-39-40
Wear	17-17
CHEMICAL/RIGHT TO KNOW	
Signs	17-23
CHESTS	
Tool	19-49-51, 19-175-177
CHIPPER	
Weld Flux	20-11
CHIPPING	
Hammer Tool Steel	21-16
Hammers, Electric	20-4, 20-55, 20-24, 20-27, 20-52
Hammers, Pneumatic	20-10-11
CHISELS	
Brick Set	19-99
Bull Point	21-13, 21-16-17
Bull Point	19-103, 21-13, 21-16-17
Chipping Hammer	21-16
Cold	19-98
Digging Chisel	21-13
Electric Hammer	21-16
Electricians Chisel	19-103
Flat	19-103
Floor	19-99
Hand Guarded	19-100
Holder	19-28
Kits	19-100-101
Mason's	19-99
Paving Breaker	21-13
Plugging	19-103
Pneumatic Hammers	21-1
Pneumatic Scaling	21-1
Rivet Buster	21-16-17
Tooth	19-103
Track	19-8
Weld-Flux	21-1
Zip Gun	21-1
CHOCKS, WHEEL	17-37
CHOKER	
Hooks	4-14-15, 4-20
Web Sling Hardware	8-7-8
C-HOOK LIFTERS	
Custom	13-9
Plate Style	13-6-8
CHOPSAWS	20-23, 20-43-44, 20-58
CHORE COATS	17-20
CIRCLE CUTTER DRYWALL	19-97
CIRCUIT BREAKER	
Lockout	17-45
Circuit Tester	19-49, 19-64

Master Index

CIRCULAR

Saw Blades.....	22-29-30, 22-35-37
Saw, Cordless.....	20-17
Saw, Electric.....	20-7, 20-25, 20-53

CLAMPING TOOL, HOSE.....27-12

CLAMPS

Angle.....	19-103-104, 19-106, 19-208
Automatic (BAS).....	19-104
Band and Buckle.....	27-12
Band Clamp.....	27-12
Bar.....	19-104-105
Bas Machine System.....	19-104
Bolt-on.....	27-4
C.....	19-203, 19-207-208
Cable, Continuous.....	4-2
Cantilever.....	19-108
Center Punch.....	27-11-12
Chain.....	19-53
Clamp-it.....	27-12
Claw Machine Hold Down.....	19-104
Contractors.....	19-105-106
Corner.....	19-106
Extra Heavy Duty.....	19-208
Ground.....	19-105
Handle Grip.....	19-106
Hold Down.....	19-104
I Bar.....	19-208
Inductive Signal.....	19-148-149
Industrial.....	19-103-104
Jig and Fixture.....	19-104
L.....	19-207
Lever.....	19-103
Miniature.....	27-11
Multi Angle Vise Set.....	19-103
Panel.....	19-1
Parapet.....	18-19
Pinch-Off Tool.....	19-1
Pipe.....	19-52-53, 19-106, 19-208
Plastic, Insulated.....	19-213
Plier Grip.....	19-103
Sheet Metal.....	19-1
Sliding Arm.....	19-102-103
Spreader.....	19-2
Spring.....	19-2, 19-106
Steel Angle.....	19-208
Strap.....	19-106
T-Bar.....	19-107
Variable Angle Strap.....	19-106
Vise Grip.....	19-1
Welders.....	19-2, 19-103
Wood Hand Screw.....	19-106
Wood Worker.....	19-105-106
Work Hold Down.....	19-1, 19-104
Worm Gear.....	27-11

CLAMPS, LIFTING

Beam.....	12-3, 12-5-6, 12-9
Beam Lifting.....	12-3, 12-7-9
Bulb Section.....	12-8
Drag.....	12-2
Drum Handling.....	12-2-3

Duplex Hand Grip.....	12-2
Girder.....	12-3, 12-5-6, 12-9
Girder Lifting.....	12-3, 12-7-9
Horizontal.....	12-4-5, 12-8
Inspection.....	12-4-5, 12-8
Locking.....	12-2-4
Maintenance.....	12-1
Non-Marring.....	12-1, 12-7
Pile Pitching.....	12-9
Pile Pulling.....	12-9
Pipe.....	12-6
Pipe Grabs.....	12-3
Plate, Horizontal.....	12-2
Rail Lifting.....	12-5, 12-9
Repair, Need A Repair?.....	12-1
Roller Toe.....	12-8
Screw Cam.....	12-2, 12-9
Screwlok.....	12-9
Sheet Bundle.....	12-8
Standard Grip.....	12-1-2, 12-5-7
Thin Sheet.....	12-8
Universal Super Clamp.....	12-6
Wide Mouth Clamp.....	12-7

CLAY

Digger, Pneumatic.....	20-10
Spade.....	21-13

CLEAN AND STRIP

Cup Wheel.....	23-10
Discs.....	23-6, 23-11
Web.....	23-11

CLEANER

Drain.....	19-150-160
------------	------------

CLEANER/DEGREASER

Solvent.....	24-20
--------------	-------

CLEANERS

All Purpose.....	24-19
Anti-Vandal Spray.....	24-19
Aqua Power.....	24-31
Battery.....	24-31
Biodegradable.....	24-31, 24-48, 24-66
Brake.....	24-48
Cable.....	24-48
Cleaner/Degreaser.....	24-19-21, 24-24, 24-31, 24-48, 24-66
Contact.....	24-20-21, 24-31, 24-47
Degreasers.....	24-20, 24-31
Descaler.....	24-66
Disinfectant/Deodorizer.....	24-24, 24-66
Drain.....	19-152-168
Electronics Dust Blaster.....	24-47
Gasket Remover.....	24-31
Glass.....	24-31
Hand.....	24-37, 24-67
Paint Stripper.....	24-31
Parts.....	24-31, 24-66
Plastic.....	24-31, 24-47
Radiator.....	24-31
Varnish Remover.....	24-31
Welding Tip.....	31-8
Cleats.....	25-8

CLEVIS

Pins.....	24-60
-----------	-------

CLEVISES

Adjustable Yoke Ends.....	4-24
Clevis Pins.....	4-24, 4-36
Drop-Forged.....	4-25
Farm Hardware.....	4-41
General Purpose.....	4-41
Plain Yoke Ends.....	4-24
Utility.....	4-41

CLIMBING

Protection Systems.....	16-12-13
Rope.....	9-7

CLIPS

E.....	24-58
Hitch Pin.....	24-58

CLIPS, WIRE ROPE

First Grip® Clips.....	4-2
Forged Wire Rope Clip.....	4-1
How to Install Wire Rope Clips.....	4-1
Malleable.....	4-2
Stainless Steel.....	4-1, 4-37

CLOSET

Auger.....	19-150
Clothesline Hook.....	25-13

COATINGS

Anti-Slip.....	24-30
Battery Terminal.....	24-21, 24-31
Cold Galvanizing.....	24-19, 24-69
Electrical.....	24-20-21, 24-31, 24-47
Epoxies.....	24-32-33
Flooring & Grout.....	24-33
Mold Releases.....	24-20
Rubber.....	24-32
Rust Inhibitors.....	24-19-21, 24-32, 24-35-36, 24-51, 24-70
Urethane.....	24-33, 24-38
Vinyl.....	24-19

COIL

Chain.....	6-19
------------	------

COIL LIFTERS

Coil Grab.....	13-12
Coil Hook.....	13-12
Custom Narrow Aisle.....	13-12
Narrow Aisle.....	13-12
Coiled Air Hose.....	27-8

COLD

Shuts.....	6-19
Cold Tuff® Swage Fitting.....	3-5

COLD WEATHER WEAR

Bib Overalls.....	17-19
Chore Coats.....	17-20
Coveralls.....	17-19
Hood.....	17-20
Jacket.....	17-20
Vest.....	17-20

COLLARS

Lock.....	17-43
Pipe Fire Stop.....	28-13-15, 28-20

COMBINATION					
Locks	17-43				
Wrenches	19-180-181, 19-208				
COMPOUND					
Cold Galvanizing	24-19, 24-69				
Lapping	24-36				
Machining	24-36				
Retaining	24-41				
Sweeping	24-22				
Wearing	24-37				
COMPARTMENT					
Bags	19-80				
COMPRESSION					
Sleeves, Wire Rope	3-12-13				
Stops, Wire Rope	3-13				
Tools	19-107-108				
COMPRESSOR					
Stationary	30-5				
CONCRETE					
Anchors	26-1-22				
Breaker Tool Steel	22-32-33				
Broom	19-96				
Cracker	26-7				
Curing Blanket	28-9				
Cutting Saws	30-2-5				
Edger	19-95				
Finishing Tool	19-94-96				
Finishing Trowel	19-94, 19-97				
Floor Grinder	30-4				
Floor Saws	30-3				
Groover	19-95				
Knee Pads	19-98				
Mixers	30-12				
Rake	19-172				
Repair	26-8				
Screws	26-1, 26-12				
Sealant	28-5				
CONDUIT					
Bender	19-34-36, 19-74, 19-139				
Bit Set	19-39				
Cutter	19-120				
Fitting Screwdriver	19-67				
Hickey	19-36, 19-77, 19-147				
Locknut & Reaming Pliers	19-63, 19-76				
Measuring Tape	19-43				
Pipe Cutter	19-120				
Pipe Wrench	19-120				
Piston	19-42				
Rack	19-51				
Sizing Tool	19-139				
Strap Wrench	19-120				
Threader	19-121				
Vise	19-120				
Wrench	19-120				
CONES					
Traffic	17-33				
Wet Floor	17-33-34				
Cones and Plugs	23-24, 23-47, 23-51				
CONFINED SPACE					
Davit Mounting Systems	16-13				
Fall Protection	16-13				
Hoist/Winches	16-13				
Lights	29-7				
Quad Pod Systems	16-13				
Signs	17-23				
Tripod	16-13				
CONNECTING BARS	19-7, 19-84				
CONNECTOR					
Synthetic Sling	8-13				
CONNECTOR, CABLE PULLING					
Rope Clevis	19-46				
Swivels	19-46, 19-89-90				
CONNECTOR, CHAIN					
Link, Stainless Steel	4-38				
Shackle Sling Saver®	4-9-10				
CONNECTOR, RIGGING					
Link, Stainless Steel	4-38				
Shackle Sling Saver®	4-9-10				
CONNECTOR, WIRE PULLING					
Ball Bearing Swivel	19-86, 19-89				
Swing Link	19-90				
Swivel Toggle	19-89				
CONNECTOR CRIMPING PLIERS	19-59				
CONSTRUCTION					
Adhesive	28-5				
Bags	28-9				
Blocks	5-10				
Body Harness	16-3				
Film	28-5				
Wrench	19-65, 19-183-184, 19-209				
CONTAINER LIFTERS	13-15-16				
CONTAINER STORAGE					
Attached Lid	15-34				
Corrosives	15-29				
Drum Spill Control Pallets	15-29				
Drum Storage	15-28-29				
Flammable Waste	15-29				
Hazardous Material	15-29				
Safety Can	15-29				
SAFETY ORGANIZER	15-28				
CONTAINMENT AND TRANSFER SYSTEMS					
Cans, Safety	15-26-27				
Dip Tank	15-27				
Dispensing Pumps, Drum	15-27				
Disposal Cans, Liquid	15-27				
Drum	15-26-28				
Faucets, Drum	15-28				
Fill Gauges, Drum	15-28				
Flow Meter, Drum	15-27				
Funnels	15-26, 15-28, 15-30				
Rinse Tank	15-27				
Vents, Drum	15-28				
Continuity Tester	19-52, 19-66				
CONTINUITY TESTER & FLASHING LIGHT	17-24				
CONTRACTOR					
Bags	19-27				
Clamps	19-105-106				
CONTRACTORS LIFT	15-8				
CONTROLLED DESCENT					
Devices	16-14				
CONVERTERS					
Power	29-8				
CONVEYOR					
Chain	6-18				
COPPER					
Cleaning Brush	19-139				
CORD					
Calculating Drum Storage	9-2				
Calculating Storage	9-2				
Care & Handling	9-1				
Conditions of Use	9-1				
Cotton	9-3				
Fiber	9-2-6				
Manila	9-4				
Nylon	9-2-3, 9-5				
Polyester	9-2-3, 9-5-6				
Polyethylene	9-2, 9-6				
Polypropylene	9-2, 9-4, 9-6				
Sash	9-5				
Selection Guide	9-2-3				
Shock	9-7				
Sisal	9-4				
Specifications and Technical Data	9-2				
Spectacle	17-3				
Terminology	9-1				
Unmanilatm	9-4				
Wire Center	9-7				
CORD, ELECTRICAL					
Adapters	29-2-3				
All Weather	29-1, 29-8				
Bulk Power	29-6				
Circuit Analyzer	29-8				
Colored	29-1				
Extreme Conditions	29-6-7				
Female Connector Replacement	29-3				
Four-Way Power Block	29-2				
GFCI	29-2-3, 29-8				
Lamp	29-5				
Locking	29-2, 29-8				
Male Plug Replacement	29-3				
Multiple Outlet	29-2, 29-8				
Power Block	29-2, 29-8				
Power Indicator Light	29-1, 29-8				
Power Strip	29-8				
Replacement Ends	29-3				
Surge Protector	29-8				
3 to 2 Wire Adapter	29-3				
Tri-Source Power Block	29-2, 29-8				
Trouble Lights	29-3				
Twist Lock Adapters	29-2				
Twist Lock Cord	29-2, 29-8				
Vinyl Cords	29-1				
W Adapter	29-2				
Y Adapter	29-2				
CORD REELS, HOIST	10-21				

Master Index

CORDURA		Fork Lift Truck Attachments.....	15-2-3	Angular (rotabroach).....	19-16, 20-36-41
Nylon Web Sling.....	8-6	Gantry.....	15-5-6	B Strand.....	19-16
CORE		Hand Signals.....	2-6	Band Clamp.....	27-12
Drilling Machine.....	30-1-2	Jib.....	15-2-4	Bolt.....	19-16, 19-141
CORE BITS		Manipulators.....	15-7-8	Bolt and Bar, Hydraulics.....	14-1
Carbide.....	22-32	CRANE BLOCK		Cable.....	19-16-17, 19-47-48,
Diamond.....	22-10-11	Bridge.....	5-11	.....	19-62-63, 20-61
CORNERMAX®		Easy Reeve.....	5-10	Center Cut.....	19-16
Covers.....	8-12	One Sheave Shorty "J".....	5-11	Circle, Drywall.....	19-97
Pads.....	8-12	Quick Reeve.....	5-11	Clipper.....	19-16
Sleeves.....	8-12	Utility.....	5-11	Conduit.....	19-36, 19-120
CORNER PROTECTOR		CRANE FORKS		Copper Tubing.....	20-61-62
Cargo.....	7-5	Adjustable.....	13-10	Electric Cable.....	19-17
Magnetic Aluminum.....	8-14	Custom.....	13-11	End Cut Nipper.....	19-16
Twin-Path®.....	8-14	Fixed.....	13-10	Fiber Disc.....	23-28
Cornice Hooks.....	18-19	CRAYON		Glass.....	19-33, 19-174
CORROSION PREVENTION		Lumber.....	24-28	Hole.....	19-3
Cold Galvanizing.....	24-19, 24-69	Cribbing Block Set.....	14-6, 14-24-25	Holcutter™.....	20-40-41
Electrical.....	24-20-21, 24-31, 24-47	CRIMPED		Heavy Duty.....	19-16
Inhibitors.....	24-19-21, 24-32,	Wire Wheel Brushes.....	21-3-6	Hole, Pipe.....	19-133-134
.....	24-35-36, 24-69	CRIMPER, CABLE CONNECTOR		Kits.....	20-41
Kleer Kote.....	24-19	Battery Powered.....	19-48	Mattocks.....	19-5
Rubberized.....	24-32	Electricians.....	19-61-62, 19-72	Pipe, Hand.....	19-117-118, 19-120
Vinyl Coating.....	24-19	Insulated.....	19-72	Pipe, Machine.....	19-52, 19-133
Corrosives Storage.....	15-29	CRIMPER		Plasma.....	30-7
COTTER		Compression Sleeves.....	19-113	Plastic Coated Pipe.....	19-120
Pins.....	24-58, 25-14-15	Compression Stops.....	19-113	Plastic Pipe.....	19-120-121, 19-136
Pins, Stainless.....	26-50	Nicopress.....	19-113	Plastic Tubing.....	19-120-121
COTTON		Sheet Metal.....	19-70	PVC.....	19-36, 19-74
Gloves.....	17-14	CROCUS CLOTH		Rotary.....	20-6, 20-63
Rope.....	9-3	.....	23-2	Seam.....	19-175
COUNTERSINK AND DEBURRING		CROSS		Shear.....	19-16
Countersink Kit.....	20-37	Arm Strap.....	16-10	Soil Pipe.....	19-118
COUPLERS		Chain.....	6-19	Strap.....	19-17
Air Hose.....	27-4-8	Pads.....	23-25-26	Tool.....	20-35
All Purpose-EZ Boss.....	27-4	CROSSOVER		Tubing.....	19-121, 19-135-137
Aro-Speed Interchange.....	27-8	Ladders.....	18-4	Wall Covering.....	19-175
Automotive Interchange.....	27-7	CROWBAR		Wire Rope.....	19-102
Bolted.....	27-4	.....	19-7	CUTTING	
Boss.....	27-4	CULTIVATORS		Fluid, Metals.....	22-34-35
Cam and Groove.....	27-3	.....	19-170	Oil.....	19-124
Garden Hose.....	27-14-15	CUP		Pipe.....	19-52, 19-117-118, 19-120, 19-133
Hydraulic.....	27-15-17	Brushes, Wire.....	21-6-8	Plastic.....	19-120, 19-136
Industrial Interchange.....	27-6-7	Stones (Grinding).....	23-37, 23-47, 23-50	Threading Oil.....	19-124
Menders.....	27-4, 27-10, 27-14	CUPS, VACUUM		Wheels, Abrasive.....	23-36-39, 23-41-49
Pin Lug.....	27-10	Power-Grip Wood.....	15-13	Wheels, Pipe.....	19-127
Quick Connect.....	27-5-8	Curing Blanket.....	28-9	Wheels, Tubing.....	19-137
Twist Lock.....	27-4	Curtain Rod Hooks.....	25-12	CYLINDER	
Water Hose.....	27-3-4, 27-10	CUT AND POLISH		Butane.....	31-4
COUPLING		Wheels.....	23-10	Hydraulic (Rams).....	14-3-9
Nuts.....	4-36, 26-42	CUT-OFF		Mapp.....	31-4
COVERALL		Grinder.....	20-27	Oxygen.....	31-4
Cold Weather.....	17-19	Saw Carrying Case.....	20-69	Propane.....	31-4
Disposable.....	17-16	Saw Carts.....	20-69	Regulators.....	31-8, 31-10-11
CRANE		Saw Depth Wheel.....	20-69	Truck.....	15-24
Bridge.....	15-7	Saw Electric.....	20-5, 20-29-32, 20-56	Truck Racks.....	15-24
Bridgecrane Components.....	15-7	Saw Gas.....	20-36	Wrenches.....	31-11
Davit.....	15-1	Saw Mitering.....	20-29-32		
Floor.....	14-35, 15-2	Saw Pneumatic.....	20-12		
		Cut-Out Tools.....	20-5, 20-65		
		CUTTER			

D

D RINGS, FLATBED7-5, 7-10

DAVIT CRANE15-1

DEADMAN DEVICES29-7

DEBRIS
Nets16-17-18

DEBURRING
Belts23-6-7
Tool19-120, 19-140

DECK
Block5-7
Screws26-2-3

DECK PLATE
Matting17-40
Degreaser24-20, 24-31

DE-ICER
Calcium Chloride24-22
Delineator Post17-34

DEMOLITION
Hammer, Electric20-4, 20-52
Tools, Pneumatic20-9-10

DEMOLITION TOOL STEEL
Design Your Own21-17

DEPTH
Gauge19-53

DESCENDERS
Fall Protection16-16
Descent Devices16-14

DESK
Shop15-42

DETAIL
Sander20-33-34

DETERGENT
Injector30-9

DIAMOND
Abrasives23-12
Application/Codes/Grading22-4
Asphalt Blades22-5
Asphalt Over Concrete Blades22-5
Chainsaw30-11
Coring Bits22-10-11
Crack Chasing Blade22-9
Cup Grinders22-9
Cured Concrete Blades22-4-8
Diamond Wire and Beads22-6
Dry Cutting Blades22-6-10
Dry/Wet Cutting Blades22-8, 22-10
Electric Saws Blades22-8
Floor Grinding Heads22-6
Green Concrete Blade22-5
Grinding and Grooving Wet Blades22-6
Hand Saw Blades22-5-6
Refractory Blades22-6
Segmented Dry High Speed Blades22-6-7
Tile Blades22-10
Tuck Pointing Blades22-9
Tuck Pointing Pins22-9

Turbo Blades22-7-8
Wall Saw Blades22-5-6
Wet Blades22-4-5, 22-10

DIE
Grinders, Electric20-26, 20-48, 20-59
Grinders, Pneumatic20-14, 20-64
Storage Rack15-40

DIES
Beveling19-131
Grooving19-131
Heads, Threading19-120, 19-122, 19-127-130, 19-130
Metal Working21-17
Threading19-122, 19-124, 19-127-130
Dip Tank15-27

DIRECTIONAL
Block5-8

DISC HOLDERS
Diamond Abrasives23-12
Quick Change23-5-6, 23-26-27, 23-32-33, 23-53
Roloc23-5-6, 23-27, 23-32-33, 23-53
Spiralcool23-28
Surface Conditioning23-5-6, 23-32-33, 23-53
Velcro23-23-33
Discharge Hose27-2

DISCS
Bristle23-4, 23-6
Clean and Strip23-6, 23-11
Coating Removal23-6
Diamond23-12
Fiber23-3-4, 23-26-28, 23-42-43, 23-50
Flap23-39-40
Hook and Loop (Velcro)23-5-6, 23-33
Pressure Adhesive (PSA)23-43, 23-51
Quick-Change23-3-6, 23-26-27
Roloc23-3-4, 23-26-27, 23-32, 23-50
Surface Conditioning23-4-6, 23-11
Type P, R & S23-3-4, 23-26-27
Velcro Back23-5-6, 23-33
Disinfectant/Deodorizer24-24, 24-66

DISPENSER
Barrier Tape17-38
Conduit Measuring Tape19-43
Electrical Wire19-49
Grease24-4-5
Strapping15-45-46
Tape24-68
Wire19-47

DISPOSABLE
Clothing17-16
Gloves17-14
Disposal Cans, Liquid15-27

DITCH
Bank Blade19-174

DIVIDERS
Layout19-31

DOCK
Ladders18-3
Lights30-15

DOLLIES
Hard Wood15-23
Steel15-24

DOUBLE ENTRY
Ladders18-5-7, 18-10

DOWELS
Pins26-30, 26-50
Pins24-59, 26-30, 26-50
Pull26-30

DRAG
Links19-193
Rope1-13

DRAIN
Cleaner Cables19-160
Cleaners19-150-160
Closet Auger19-150
Hand Spinners19-150
Inspection Equipment19-144-147
Jetter19-161-162
Line Locator19-147-149
Pan24-53
See Snakes19-144-145
Sewer Tape19-151
Spade19-167
Video Inspection19-144-145
Water Blasting19-150, 19-161-162

DRIFT
Pins19-83

DRILL
Angular Cutters20-36-41
Close Quarters20-52
Cable Installation19-42
Cordless20-19-21, 20-47
Core Rigs30-1-2
Electric20-1-3, 20-21-23, 20-47, 20-49-50, 20-64
Joist & Stud20-22
Gauge19-31
Grinder20-46
Hammer, Cordless20-19-21
Hammer, Electric20-2-4, 20-23-24, 20-47, 20-50-52
Hole Enlarging19-3
Magnetic Base20-36-37, 20-54
Placement Tool19-40
Pneumatic20-15
Press20-51
Press Vises19-206
Right Angle20-22
Rock20-10
Rod24-64-65
Saw Combination Kit20-64
Shaft, Flexible19-42
Steel Pneumatic21-15
Step19-3

DRILLING AND WELL WIRE ROPE1-15

Master Index

DRILLS

Bit Sharpener	20-23, 20-48
Core Bits (Carbide)	22-32
Electric Hammer Drill	22-31-33
Hammering Tools	22-32-33
Masonry	22-31-32
Screw Type Drill (Tapcon®).....	22-32
SDS+ Adaptors.....	22-31
SDS+ Drills.....	22-31
SDS-Max Adaptors.....	22-31
SDS-Max Drills.....	22-31
Spline.....	22-31
Straight Shank.....	22-32
Tanged (Tapcon®).....	22-32
Tapcon® (Screw-Type).....	22-32

D-RING

Extension.....	16-5
----------------	------

DRIVE

Screws.....	26-37
-------------	-------

DRIVE-IN

Anchors.....	26-5-7, 26-12
--------------	---------------

DRIVERS

Nut.....	19-69
----------	-------

DRIVING

Gloves.....	17-13
-------------	-------

DROP-IN

Anchor.....	26-10
-------------	-------

DRUM

Below-the-Hook Lifter.....	15-30-31
Caddy.....	15-30
Cap Opener.....	19-209
Collection System.....	15-30
Cradle Truck.....	15-31
Dolly.....	15-31
Faucets.....	15-28
Fill Vents.....	15-28
Flow Meters.....	15-27
Fork Lift Drum Lifters.....	15-31
Funnels.....	15-26, 15-28
Gauges, Drum Fill.....	15-28
Hand Truck.....	15-31
Heaters.....	15-32
Lifting Clamps.....	12-2-3
Management System.....	15-30
Movers.....	15-31
Multi-Purpose Truck.....	15-31
Pumps.....	15-27, 19-109
Spill Control Pallets.....	15-29
Storage and Handling.....	15-30-31
Storage Cabinets.....	15-28-29
Vacuum Pump.....	19-109
Vents.....	15-28
Waste Collection Systems.....	15-28
Wrenches.....	15-32

DRYWALL

Anchor.....	26-7, 26-12
Board Lifter.....	19-97
Cart.....	18-12
Circle Cutter.....	19-97
Cutout Tools.....	20-6, 20-63

Drivers, Cordless.....	20-21
Drivers, Electric.....	20-2, 20-22-23, 20-56
Floats.....	19-97
Hawk.....	19-97
Mixers.....	19-175
Pan.....	19-96
Patcher.....	19-174
Sander.....	19-96
Screws.....	26-3-4, 26-39
Tools.....	19-174-175

DUCT

Fire Stop Insulation.....	28-17-18
Tape.....	24-67
Ducting, Retractable.....	27-1

DUST

Extractor.....	20-33
Plugs, Cam and Groove.....	27-3

D'VERS BIT SYSTEM.....

DYE PENETRANT

Inspection Systems.....	24-21
Dynafile.....	20-24-27

E

EAR

Muff.....	17-9
Plugs.....	17-9
E-Clips.....	24-58

EDGE PROTECTION

Fall Protection.....	16-16
----------------------	-------

EDGER

Concrete.....	19-95
Lawn.....	19-169

ELECTRIC

Breakers Tool Steel.....	22-31-33
Core Bits (Carbide).....	22-32
Hammer Tool Steel.....	21-16, 22-31-33

ELECTRICAL

Connectors.....	29-3
Cord Adapters.....	29-2-3
Plug.....	29-3
Plug Lockout.....	17-45
Safety Signs.....	17-23
Switch Lockout.....	17-45
Tape.....	24-68
Wire, Bulk.....	29-6

ELECTRICIANS

Bag.....	19-81
Belt.....	19-80
Chisels.....	19-103
Hammers.....	19-74
Insulated Tools.....	19-71-73
Knife Holders.....	19-78
Knives.....	19-73-75
Pouches.....	19-75-77
Scissors.....	19-61
Scissors/Knife Holder.....	19-78
Suspenders.....	19-76, 19-80
Tool Holders.....	19-76, 19-78-79

ELECTRODES

Alloy Repair.....	31-1
Bag.....	19-82
Chamfering.....	31-1
Gouging.....	31-11
Welding.....	31-11

ELEVATOR

Bolts.....	26-25
Wire Rope.....	1-14
Emery Cloth.....	23-2, 23-30

ENCAPSULATED

Wire Brushes.....	21-5
-------------------	------

END

Brushes.....	21-11-12
Caps, Strut.....	26-78

ENGRAVING

Environmental Clothing.....	17-16-18
-----------------------------	----------

EPOXIES

Adhesives.....	24-32-33
Applicator Guns.....	24-32
Coating.....	24-32-33
Floor Repair.....	24-33
Grout.....	24-33
Mixing Nozzles.....	24-32
Mold Release.....	24-20
Putty.....	24-32-33
Sticks.....	24-32

EPOXY

Adhesive Anchors.....	26-13
Capsule Anchors.....	26-14

EQUIPMENT

Bags.....	19-84
-----------	-------

ERECTION

Wrench.....	19-66
Wrench Holder.....	19-79

EXAMINATION

Gloves.....	17-14
-------------	-------

EXIT/FIRE EMERGENCY

Signs.....	17-23
------------	-------

EXPANDER

Tubing.....	19-139
-------------	--------

EXPANSION

Anchor.....	19-41
-------------	-------

EXPLOSION PROOF

Lights.....	29-7
-------------	------

EXTENSION

Ladders.....	18-6-8, 18-10-11, 18-13-14
--------------	----------------------------

EXTENSION CORDS

Adapter.....	29-2-3
All Weather.....	29-1, 29-8
Bulk Power Cord.....	29-6
Circuit Analyzer.....	29-8
Colored.....	29-1
Extreme Conditions.....	29-6-7
Female Connector Replacement.....	29-3
Four-Way Power Block.....	29-2
GFCI.....	29-2-3, 29-8
Lamp.....	29-5

EXTENSION CORDS *continued...*

Locking Cords 29-2, 29-8
 Male Plug Replacement 29-3
 Multiple Outlet 29-2, 29-8
 Power Block 29-2, 29-8
 Power Indicator Light 29-1, 29-8
 Power Strip 29-8
 Replacement Ends 29-3
 Surge Protector 29-8
 3 to 2 Wire Adapter 29-3
 Tri-Source Power Block 29-2, 29-8
 Twist Lock Adapters 29-2
 Twist Lock Cord 29-2, 29-8
 Vinyl Cords 29-1
 W Adapter 29-2
 Y Adapter 29-2

EXTINGUISHERS

Fire 17-31

EXTRACTORS

Pipe 19-120
 Screw 19-141

EYE

Cups 17-22
 Flush 17-22
 Nuts 26-42
 Nuts 4-35, 4-40, 26-42
 Pads 17-22
 Protection 17-1-3
 Safety Glasses 17-2-3
 Spectacle Cords 17-3
 Wash Bottles 17-22
 Wash Stations 17-22

EYE BOLTS

Lag Screw Thread 25-9, 25-11
 Machine Screw Threads 25-9, 25-11

EYE BOLTS, LIFTING

Alloy 4-33
 Alloy Reduced 4-33
 Applications and Installation 4-31-32
 Machine 4-31-34
 Metric Lifting 4-33
 Plain Pattern 4-33
 Reduced Eyes 4-33
 Regular Nut 4-31-32
 Rivet 4-34
 Screw 4-32
 Shoulder Nut 4-31-32, 4-34-35, 4-40
 Shoulder Rivet 4-34
 Shoulder Type Machinery 4-33-34
 Stainless 4-34-35, 4-40

EYE NUT, LIFTING

Forged 4-35, 26-42
 Stainless 4-40

EYES

Screw 25-9, 25-12

EYES, LIFTING

Lifting 4-35
 Nut Eyes 4-35, 4-40
 Pad 4-35

F

FACE

Protection 17-3-4
 Shields 17-3-4
 Shields, Headgear 17-3

FALL

Arrestors 10-26, 16-14
 Fall Arrest System 16-1

FALL PROTECTION

ABC'S of Personal Fall Arrest 16-1
 Anchorage Connectors 16-10-11, 16-14-15
 Ascender 16-16
 Back Pad 16-5
 Beam Anchors 16-10
 Beam Trolleys 16-10
 Beamers 16-14
 Body Belts 16-5
 Body Harness 16-3-5
 Body Harness Accessories 16-5
 Body Harness Buyers Guide 16-2
 Body Harness How to Put on 16-2
 Body Harness Sizing Chart 16-1
 Body Harness, Specialty 16-3-5
 Calculating Fall Distance 16-6
 Carabiners 16-10, 16-16
 Categories 16-1
 Climbing Protection Systems 16-12-13
 Confined Space 16-13
 Connecting Devices 16-6-9, 16-15-16
 Construction Harness 16-3
 Controlled Descent Devices 16-14
 Crane and Trail Rail 16-15
 Cross Arm Strap 16-10
 Descenders 16-16
 D-Ring Extension 16-5
 Edge Protection 16-16
 Extension Poll and Hook 16-10
 Fall Arrestors 16-14
 Fall Protection Systems 16-12-13
 Lanyard Clip Retro Fit 16-5
 Lanyard Fall Limiter 16-8
 Lanyard Ring 16-5
 Lanyard Shock-Absorbing 16-6-7
 Lanyard Tie-Back 16-7
 Lanyard Web 16-8
 Lanyards Positioning and Restraint 16-9
 Lanyards Retractable 16-8
 Lifelines Horizontal 16-10
 Lifelines Retractable 16-8
 Lifelines Vertical 16-9
 Positioning Assemblies 16-9
 Pulley, Rescue 16-15-16
 Push-Tru Eyebolt 16-10
 Rebar Hook Anchors 16-10
 Rescue Devices 16-14
 Roofing 16-11-12, 16-14-15
 Roofing Anchor Kits 16-12
 Roofing Anchor Points 16-14-15
 Rope Grabs 16-9
 Safety Netting 16-17-18
 Shoulder Pad 16-5

Tower Climbing Harness 16-3
 Tripod 16-13
 Utility Harness 16-4
 Velcro Sleeves 16-5
 Warehouse Picker Harness 16-3
 Welders Harness 16-5
 Wire Hooks 16-10
 Women's Harness 16-3

FANS

Bench 30-13
 Blower 30-13
 Ceiling 30-14
 Ceiling Mounted 30-13-14
 Desk 30-13
 Floor 30-13
 Industrial 30-13-14
 Oscillating 30-13
 Pedestal 30-13
 Wall Mounted 30-13
 Work Station 30-13

FASTENING SYSTEM, POWDER

Acoustical 26-20
 Autofast 26-19
 Autofast Discs and Pins 26-19
 Drywall 26-20
 Electrical Contractor 26-20
 Extension Poles 26-21
 General Contractor/Framer 26-20
 Loads 26-16, 26-22
 Metal Decking 26-16
 Pins 26-16, 26-22
 Remodeling 26-20

FASTENING SYSTEMS, NON POWDER

Autotraxx 26-16
 Cordless 26-17
 Electric 26-17
 Electric 20-59, 26-17
 Fastraxx 26-17
 Grid Master 26-17
 Gypsum/Cement Panel to Steel 26-15

INSULATION TO

Masonry/Concrete/Wood 26-17-18
 Metal Decking 26-16-17
 Pneumatic 26-15
 Self Drilling Fasteners 26-16-17
 Self Drilling Fasteners 20-59, 26-16-17
 Stucco Lathe to Steel 26-15
 Trakfast 26-19
 Wood to Steel 26-15

FAUCETS, DRUM

..... 15-28

FEELER

Gauge 19-204, 24-60-61

FENCE

Post 17-38
 Plastic 17-38
 Post Drivers 17-38
 Safety 17-38
 Silt 17-38
 Snow and Sand 17-38
 Warning Barrier 17-38

Master Index

FENDER

Washers.....26-43, 26-60, 26-63

FERRULES, WIRE ROPE

Installation Procedures.....3-7
 Pointed Zinc.....3-7
 Wedge.....3-8
 Zinc.....3-7

FESTOONING PACKAGES

.....10-21

FIBER DISCS

Backing Pads.....23-28, 23-43, 23-52
 Cutter.....23-28
 Discs.....23-3-4, 23-26-28, 23-42-43, 23-50
 Quick Change.....23-3-4, 23-26-27, 23-50
 Quick Change Holder.....23-5, 23-26-27, 23-50, 23-52

FIBER OPTIC

Cable Stripper.....19-64

FIBERGLASS

Ladder.....18-5-7, 18-13, 18-15

FIELD OFFICE

Storage Box.....19-54

FILE

Band.....20-57
 Belt.....20-24-27, 20-60
 Dynaflex.....20-24-27

FILES

Aluminum.....19-12
 American Pattern.....19-14
 Cabinet.....19-12
 Cantsaw.....19-12
 Chain Saw.....19-13
 Cleaners.....19-16
 Crosscut.....19-13
 Diamond.....23-12
 Die Sinkers.....19-14
 Flat.....19-13
 Half Round.....19-13
 Hand.....19-13
 Handles.....19-15
 Knife.....19-13
 Lathe.....19-13
 Mill.....19-13
 Needle.....19-15
 Rasp.....19-14
 Riffers.....19-14
 Round.....19-13
 Square.....19-13
 Swiss Pattern.....19-14
 Tapered.....19-13-14
 Terminology.....19-12
 Thread.....19-28
 Thread Repair.....19-29
 Three Square.....19-14

FILL GAUGES

.....15-28

FILL VENTS, DRUM

.....15-28

FILM

Construction.....28-5
 Plastic Sheeting.....28-5
 Stretch Wrap.....28-9

FILTER

Air System.....19-142
 Airline.....27-9
 Combo Filter, Regulator, Lubricator.....27-9
 Wrenches.....24-53

FIRE

Blankets.....17-22
 Extinguishers.....17-31
 Wrap.....28-17-18

FIRE STOP

Cable Spray.....28-19
 Caulk.....28-10-12, 28-19
 Clothing.....17-19
 Collars, Pipe.....28-13-15, 28-20
 Commercial Building.....28-10-19
 Construction Joints Spray.....28-18
 Duct Insulation.....28-17-18
 Electrical.....28-11-12, 28-16-17, 28-19
 Fire Wrap.....28-17-18
 Mineral Wool.....28-1
 Mortar.....28-16
 Pillows.....28-16-17
 Pipe Collars.....28-13-15, 28-20
 Pipe Wraps.....28-13-15
 Putty.....28-11-12
 Residential.....28-19-20
 Sealants.....28-10-12, 28-19-20
 Silicone.....28-12
 Silicone Foam.....28-15
 Spray.....28-18-19
 Wood Structures.....28-19-20
 Wrap Strips.....28-13-15

FIRST AID

Antiseptics.....17-22
 Blankets.....17-22
 Burns.....17-22
 Eye Care.....17-22
 Kits.....17-21

FISHING

Blow Gun Kit.....19-42
 Conduit Piston.....19-42
 Line.....19-43
 Portable System.....19-42
 Reels, Winder.....19-43
 Systems.....19-42
 Tapes.....19-41-43, 19-75
 Vacuum/Blowers.....19-42

FITTINGS

Air.....27-4-8
 Ball Valve.....27-12
 Boss.....27-3-4
 Brass Barbed.....27-10
 Cam and Groove.....27-3
 Chicago.....27-4
 Connectors, Shut Off.....27-15
 Couplers.....27-3-4, 27-10, 27-14-15
 Drive Tool.....24-14
 Garden Hose.....27-14-15
 Grease.....24-8-14, 24-59-60
 Hydraulic.....27-15-17

Hydraulic.....14-17, 27-15-17
 Menders.....27-4, 27-10, 27-14
 Pin Lug.....27-10
 Quick Disconnect.....27-5-8
 Remover.....24-14
 Skimmer.....27-10
 Strainers.....27-10
 Strut.....26-78-86
 Swivels.....27-8
 Twist Lock.....27-4
 Universal.....27-5
 Water Hose.....27-3-4, 27-10, 27-12, 27-14-15

FITTINGS, CABLE ENDS

Ball.....3-16-17
 Deck.....3-17-18
 Eye.....3-15-16
 Fork.....3-15-16
 Sleeves.....3-12-13
 Stops.....3-13
 Stud.....3-14
 Terminals.....3-14-18
 Toggle.....3-17-18
 Turnbuckles.....3-17-18

FITTINGS, WIRE ROPE

Bail Socket.....3-4
 Button.....3-5
 Clevis Socket Assembly.....3-11
 Cold Tuff®.....3-5
 Coupling Assembly.....3-10
 Drum Socket Assembly.....3-10
 Eye.....3-4-5
 Eye Socket.....3-10
 Ferrules.....3-7-8
 Jaw End.....3-4
 Positive Grip.....3-8-12
 Plugs.....3-9
 Shank Hooks.....3-4
 Spelter Sockets.....3-2
 Stud.....3-5
 Stud Socket Assembly.....3-11
 Swage Sockets.....3-3-4
 Terminator Wedge Socket.....3-6
 Turnbuckle.....3-12
 Wedge Socket.....3-6-7

FLAG

Block.....5-7

FLAGS

Jobsite.....17-36
 Pennants.....17-36

FLAME RESISTANT

Sheeting.....28-5
 Wear.....28-5
 Wear.....17-17, 28-5

FLAMMABLE SAFETY

Signs.....17-23
 Flammable Waste Cabinets.....15-29

FLANGE

Bolts.....26-24
 Jacks.....19-204

FLANGE *continued...*

Nut.....26-41, 26-60
Pins.....19-53
Sealant.....24-39-40
Spreader, Hydraulics.....14-27

FLAP

Brushes, Surface Conditioning.....23-12
Discs.....23-39-40
Wheels Adapters.....23-22-23
Wheels, Mounted.....23-11, 23-22
Wheels, Unmounted.....23-23
Flares.....17-37

FLARING

Tools.....19-137

FLASHBACK

Arrestors.....31-8

FLASHING

Barricade.....17-35

FLASHLIGHTS

Adjustable Beam.....17-25
Continuity Tester/Flashlight.....17-24
Director Lites.....17-25
Division I.....17-24
Headlamp.....17-24
Holder.....19-79
Industrial Duty.....17-24, 17-27, 20-29
Pocket.....17-24
Rechargeable.....17-25-26
Rubber.....17-25
Security/Spot.....17-25
Submersible.....17-24-25

FLAT

Stock Steel.....24-64
Washers.....26-42-44, 26-46,
26-52-55, 26-60, 26-63

FLATBED ACCESSORIES

Assemblies.....7-5
Corner Protectors.....7-5
D-Rings.....7-5
Floor Chain Tie-Down.....7-6
Hardware.....7-8-10
Recessed Lashing Ring.....7-5
Snapper Pins.....7-5
Tarp Ties.....7-6
Truckbed Tie-down.....7-5
Web Protectors.....7-5
Winch Bars.....7-5

FLATBED STRAPS ASSEMBLIES

Logistic (A, E, & F Track).....7-7
Strap-Alltm 1".....7-6
2" Ratchet.....7-6-7
3" Ratchet.....7-6
4" Ratchet.....7-6
Flattened Strand Wire Rope.....1-12

FLEET EMERGENCY

Safety Kit.....17-37
Flint, Gas Lighter.....31-4, 31-11

FLOAT

Adapters.....19-95

Brackets.....19-95
Bull.....19-95
Concrete.....19-95
Drywall.....19-97
Handles.....19-98
Magnesium.....19-95
Mounting Plate.....19-95
Rubber.....19-97
Wood.....19-96

FLOOD

Lights.....29-4

FLOOR

Aisle Marking Tape.....17-38
Chain Tie-Down.....7-6
Crane.....14-35, 15-2
Epoxies.....24-33
Grinder.....30-4
Repair.....24-33
Rubs.....23-37, 23-51

FLOOR, WET

Cones.....17-33-34
Signs.....17-34

FLOORING

Screws.....26-38
Flow Meters.....15-27

FLUORESCENT

Lamps.....30-15
Paint.....24-18
Work Lights.....29-4

FLUX

Brazing.....31-11
Brushes.....31-5
Soldering.....31-5
Soldering Paste.....24-28
Water Soluble.....31-5

FOAM

Sealants.....24-67
Tape.....24-68

FOAM RUBBER

Cutter.....20-9

FOIL

Tape.....24-67

FOOD GRADE

Lubricant.....24-17, 24-35-36, 24-50
Mold Release.....24-20
Footrest.....15-41

FORESTRY TOOLS

Cant Hooks.....28-3
Peavies.....28-3
Pike Pole.....28-3
Skidding Tongs.....28-3
Timber Carriers.....28-3

FORK

Ensilage.....19-175
Handles.....19-122
Manure.....19-171
Mulch.....19-171
Potato.....19-174

Soil.....19-171
Stone/Ballast.....19-175

FORK LIFT

Mountable Drum Lifters.....12-3, 15-31
Mirror.....17-42
Platforms.....18-4

FORKS, CRANE

Adjustable.....13-10
Custom.....13-11
Fixed.....13-10
Form Pin Remover.....13-15

FORMING

Anchors.....26-11

FORSTNER

Bit Extension.....22-3

FREEZING

Pipe Tool.....19-140

FUNNELS

Drum.....15-26, 15-28
Lock-On.....28-8
Non-Swirl.....28-8
Plastic.....28-8
Plastic.....24-53, 28-8
Steel.....28-8

G

GANTRY

Gantry Cranes.....15-5-6

GARBAGE

Bags.....28-9
Cans.....28-8

GARDEN HOSE

Connectors.....27-14
Coupling.....27-14-15
Hot Water.....27-13
Menders.....27-14-15
Nozzles.....27-14
Rubber.....27-13
Shut-off.....27-15
Sprinkler.....27-13
Vinyl.....27-13
Washers.....27-15
Weep and Soak.....27-13

GARDENING TOOLS.....19-166-173

GARMENT TRUCK.....15-24

GARNET PAPER.....23-30

GAS MONITOR.....17-31-33

GASOLINE CANS.....15-26

GASKET

Adhesives.....24-34
Eliminators.....24-39
Flange.....24-39-40
Gasoline Cans.....15-26
Remover.....24-31
Scraper.....19-204
Sealant.....24-34, 24-39-40
Silicone.....24-34, 24-40

Master Index

GATE HOOKS

Closed Swivel Bail.....	4-18
Customized.....	4-19-20
Dimension Chart.....	4-19
Identification and Load Limit Chart.....	4-17
Link Chain Nest.....	4-18
Open Swivel Bail.....	4-18
Roller Chain Nest.....	4-18
Safety and Application Instructions.....	4-17
Shank Hook.....	4-18

GATORADE.....	17-20
----------------------	--------------

GATOR-FLEX® SLINGS.....	2-14
--------------------------------	-------------

GAUGE

Air.....	27-9
Depth.....	19-53
Drill.....	19-31, 22-21
Dry.....	27-9
Feeler/Thickness.....	19-204, 24-60-61
Fill Drum.....	15-28
Pressure, Hydraulic.....	14-16
Radius.....	19-31
Screw & Wire.....	19-31
Screw Pitch.....	19-30
Sheet Metal.....	19-31
Telescoping.....	19-30
Thickness.....	19-33
Tire.....	27-8
Wire.....	19-31

GAUGING

Trowel.....	19-94
-------------	-------

GEAR

Oil.....	24-51
Puller.....	14-31-34, 19-115

GENERATORS

Gas Powered.....	30-21
Welders.....	30-6-7

GFCI

Cords.....	29-2-3, 29-8
Tester.....	19-49

GIN

Block.....	5-6
------------	-----

GIRDER

Clamp.....	12-3, 12-5-6, 12-9
Lifting Clamp.....	12-3, 12-7-9

GLASS

Cleaner.....	24-31
Cutter.....	19-33, 19-174
Lifting Sling.....	8-6

GLASSES

Safety.....	17-2-3
-------------	--------

GLAZING, GLASS.....	20-35
----------------------------	--------------

GLOVES

Box Handlers.....	17-15
Cotton.....	17-14
Disposable.....	17-14
Driving.....	17-13
Framer.....	17-15
General Utility.....	17-14
Heat Resistant.....	31-2

Heavy Utility.....	17-15
Hot Mills.....	17-14
Jersey.....	17-14
Kevlar.....	17-14
Leather Palm.....	17-13
Medical Examination.....	17-14
Nitrile.....	17-13
PVC.....	17-13
Rubber.....	17-13
String Liner.....	17-14
Tig.....	17-14
Vinyl Impregnated.....	17-13
Welders.....	31-2
Welding.....	17-14
Work.....	17-13
Workforce.....	17-15
Wrenchworx.....	17-15

GLUE

Gun.....	19-9
Sticks.....	19-9

GOGGLES

Chemical Splash.....	17-1
Dust.....	17-1
Mono.....	17-1
Respirator Fit Design.....	17-1
Welding.....	31-11

GRABS

Rope.....	16-9
-----------	------

GRAPHITE

Lubricants.....	24-17
-----------------	-------

GRASS

Shear.....	19-173
Trimmer.....	19-174

GREASE

Aerosol.....	24-50
Anti-seize.....	24-35-36
Aqua.....	24-51
Bearing.....	24-50-51
Bearing Packer.....	24-4
Bucket Pumps.....	24-3-7
Cartridges.....	24-35-36, 24-50-51
Dielectric.....	24-35-36
Dispensers.....	24-4
Dispensing Valves.....	24-7
Extreme Pressure.....	24-35-36
Fittings, Hydraulic.....	24-8-14, 24-59-60
Food Grade.....	24-17, 24-35-36, 24-50
Gun Adapters/Brushings.....	24-5, 24-53
Gun Couplers.....	24-52
Gun Extensions.....	24-2-3, 24-5, 24-53
Gun Holders.....	24-53
Gun Hoses.....	24-3, 24-52
Guns.....	24-1-2, 24-52
Header Block.....	24-15
High Load.....	24-51
High Pressure.....	24-35-36, 24-50
High Temperature.....	24-17, 24-35-36, 24-50
Hose Swivels.....	24-5
Injectors.....	24-5, 24-53

Lithium.....	24-17, 24-35-36, 24-50
Loader Couplers.....	24-4
Loader Fittings.....	24-4
Loader Pumps.....	24-4-7
Low Temperature.....	24-50
Moly.....	24-17-18, 24-35-36, 24-50
Open Gear.....	24-17
Pumps.....	24-3-7
Red.....	24-50
Rust & Corrosion Inhibitor.....	24-19, 24-32
Silicone.....	24-35-36, 24-50
Synthetic.....	24-35-36

GRINDER

Angle, Electric.....	20-5-6, 20-26, 20-48, 20-57-58
Angle, Pneumatic.....	20-14, 20-63, 20-71
Bench.....	20-43
Die, Electric.....	20-26, 20-48, 20-59
Die, Pneumatic.....	20-14
Drill.....	20-46
Floor.....	30-4
Lead Abatement.....	20-23, 20-61
Sander.....	20-45
Straight.....	20-59
Wire Brushes.....	21-10-11

GRINDING

Bench Wheels.....	23-51
Cotton Laminate.....	23-37, 23-50
Cup Stones.....	23-37, 23-47, 23-50
Discs, Fiber.....	23-3-4, 23-26-28, 23-42-43, 23-50
Semi-Flexible.....	23-36, 23-42, 23-45
Wheels (Type 27).....	23-34-36, 23-40-41, 23-44, 23-47, 23-49
Wheels (Type 28).....	23-34-35, 23-45, 23-49
Z Wheels (Type 29).....	23-42, 23-45

GRIPHOIST WINCH HOIST.....	10-26
-----------------------------------	--------------

GRIPPING

Pliers, Insulated.....	19-212
------------------------	--------

GRIPS

A.C.S.R.....	19-84
Aluminum.....	19-84
Bare Wire.....	19-84
Cable.....	19-84-93
Chicago.....	19-84-85
Conductors.....	19-84-85
Conduit Riser.....	19-89
Guy Strand.....	19-85
Haven.....	19-85
Messenger Line.....	19-85
Pulling.....	19-85
Strain Relief.....	19-93
Stranded Copper.....	19-84
Suspension.....	19-92-93
Weather Proof Wire.....	19-84
Wire.....	19-84-93

GROMMET

Cable Laid Sling.....	2-11
Strand Laid Sling.....	2-11
Gator-Flex®.....	2-14

GROOVER
 Concrete.....19-95
 Roll, Pipe.....19-131-132

GROOVING
 Dies.....19-131

GROUND FAULT CIRCUIT INTERRUPTERS(GFCI).....29-2-3, 29-8

GROUT
 Bags.....19-94
 Cement.....28-6
 Epoxies.....24-33
 Non-Shrink.....28-7
 Repair.....24-33

GUARD RAIL
 Components.....15-44
 Scaffolding.....18-9, 18-12, 18-14, 18-16

GUN
 Air Vacuum.....19-110
 Blow.....27-8
 Glue.....19-9
 Grease.....20-61, 24-1-2, 24-52
 Heat.....20-9, 20-60
 Hopper.....19-98
 Soldering.....19-140
 Staple.....19-8
 Zip.....20-14, 20-65

H

HACKSAW
 Electric.....20-35
 Frame.....19-73, 22-15
 Hand Blades.....22-15
 Pneumatic.....20-35
 Power Blades.....22-19

HAMMER
 Air.....20-64
 Anchors.....26-5-7, 26-12
 Chipping, Electric.....20-4, 20-24
 Chipping, Pneumatic.....20-10-11
 Demolition.....20-4, 20-52
 Hauler.....20-5
 Rotary Cordless.....20-1
 Rotary Electric.....20-3-4, 20-23, 20-47, 20-51-52
 SDS Plus.....20-3, 20-23-24, 20-47, 20-51-52
 SDS Max.....20-3-4, 20-24, 20-52
 Utility.....20-15

HAMMER, ROTARY
 Core Bits (Carbide).....22-32
 Tool Steel.....22-31-33

HAMMERDRILLS
 Cordless.....20-19-21
 Electric.....20-2, 20-23, 20-47, 20-50
 Hammerlock.....4-38, 6-4

HAMMERS
 Back Out.....19-3
 Compo-Cast.....19-163
 Concrete Demo.....19-2

Cross Peen.....19-3
 Curved Claw.....19-26, 19-74
 Dead Blow.....19-26, 19-28
 Drilling.....19-4, 19-25
 Drywall.....19-25
 Electricians.....19-74
 Engineers.....19-2
 Estwing.....19-25-26
 Fiberglass Handled.....19-25
 Hand Drill.....19-2
 Handles.....19-3
 Holders.....19-78
 Internal Slide Set.....19-115
 Linesmen.....19-74
 Mallet.....19-26, 19-28
 Masons.....19-25
 Mill Face.....19-25
 Non-Spark.....19-163
 Raw Hide.....19-28
 Rock Pick.....19-25
 Shingler's.....19-25
 Sledge.....19-2-3, 19-163
 Soft Face.....19-26, 19-163
 Split-Head.....19-28
 Straight Claw.....19-25, 19-74
 Urethane Face.....19-28
 Welders.....19-25

HAND

Bender.....19-34
 Chain Hoists.....10-7-9
 Chain Pullers.....10-3-6
 Cleaner.....24-37, 24-67
 Pad Holder.....23-2, 23-32
 Pads, Surface Conditioning.....23-1-2, 23-31-32
 Rubs.....19-98, 23-37, 23-51
 Sander.....19-96
 Tool Guards.....19-100
 Truck.....15-21-22

HANDLES

Fork.....19-122
 Hoe.....19-123
 Hook.....19-123
 Pike Pole.....19-123
 Post Hole Diggers.....19-124
 Rake.....19-122-123
 Shovels.....19-123-124
 Spoon Shovel.....19-124
 Telegraph Shovel.....19-124

HANGERMATE.....26-1

HARD HAT

Attachable Ear Muffs.....17-9
 Hats.....17-4
 Hardness Tester, Brinell.....31-5

HARNES, BODY

Back Pad.....16-5
 Body Belts.....16-5
 Buyer's Guide.....16-2
 Construction.....16-3
 D-Ring Extension.....16-5

How to Put on.....16-2
 Lanyard Clip Retro Fit.....16-5
 Lanyard Ring.....16-5
 Non-Stretchable.....16-4
 Shoulder Pad.....16-5
 Sizing Chart.....16-5
 Stretchable.....16-3
 Tower Climbing.....16-3
 Utility.....16-4
 Velcro Sleeves.....16-5
 Warehouse Picker.....16-3
 Welders Harness.....16-5
 Women's.....16-3

HASPS

Locks.....17-43-44
 Safety.....17-44, 25-15-16

HATCHETS

Carpenters.....19-25
 Elite.....19-5
 Shingler's.....19-25

HATS

Bouffant.....17-16
 Hard.....17-4
 Ranger.....17-7

HAWK

Callus Preventer.....19-97
 Drywall/Plaster.....19-97

HAZARDOUS LOCATION

Light.....29-6-7
 Hazardous Material Storage.....15-29

HAZMAT

Disposable Boots.....17-16

HEAD BAND.....17-8

HEADACHE

Ball.....5-13

HEARING PROTECTION.....17-9

HEAT

Gun.....20-9, 20-60
 Lamp.....29-4
 Measurer.....19-111
 Monitor, Bearing.....19-105
 Pyrometer/thermometer.....19-111
 Shield, Soldering.....31-4-5

HEATER

Bender.....19-35-36
 Bearing.....19-105
 Calculating Size.....30-16
 Drum.....15-32
 Electric.....30-14
 Kerosene.....30-19-20
 Natural Gas.....30-16-20
 Propane.....30-16-20
 PVC Pipe Bending.....19-35-36

HEDGE

Shears.....19-173
 Trimmer.....20-68-69

HELMET

Liner.....17-4-8

Master Index

HERRINGBONE

Wire Rope 1-13

HEX

Allen Keys 19-20-21
 Ball Hex Wrenches 19-19-20
 Bit Sockets 19-110, 19-186-187,
 19-190, 19-194, 19-210-211
 Bolt 26-23, 26-44-45, 26-51,
 26-53-56, 26-60-61
 Key Wrenches 19-19-20

HICKEY

Bender 19-34
 Conduit 19-34
 Rebar 19-83

HINGES

Blank 25-15
 Continuous 25-15
 Mortise 25-15
 Strap 25-16
 T-Hinge 25-16

HIP

Boots 17-15
 Hitch Pins 4-36, 24-58

HITCHES

Ball 7-5
 Dual Purpose 7-4
 Hitching Ring 25-10

HOE

Garden 19-170
 Mason/Plaster 19-170

HOIST

Air, Chain 10-22-23
 Chain Container 10-20-21
 Chain Electric 10-12-19
 Chain Hoists Accessories 10-20-21
 Cord Reels 10-21
 Festooning Packages 10-21
 Hand Chain 10-7-9
 How to Choose the Right Hoist 10-2
 I-Beam Specifications 10-3
 Lever 10-3-6
 Man Handler 16-13
 Material 16-13
 Ordering Hand Hoists 10-2
 Ordering Lever Operated Hoist 10-2
 Ordering Powered Hoists 10-2
 Repairs? Need a Hoist
 or Puller Repaired? 10-1
 Retrieval 16-13
 Safety Tips 10-1-2
 Weather Resistant Covers 10-20
 Wire Rope, Electric 10-24-25

HOIST RINGS

Applications 4-26
 Forged (Pivoting, Non-Rotating) 4-26
 Inspection/Maintenance 4-26
 Large Opening 4-29
 Metric 4-28-29
 Rectangular Plate 4-30
 Round Base 4-30

Side Load 4-28
 Side Pull 4-29
 Speed Base 4-31
 Stainless Steel 4-29
 Swivel and Pivoting 4-28-31
 UNC Threads 4-28-29

HOIST SHANK

Hooks 4-11, 4-13-14, 4-18-20

HOLDER

Bull Pin 19-79
 Cable Splicer's Knife 19-78
 Cell Phone 19-75
 Chisel 19-28
 Erection Wrench 19-79
 Flashlight 19-79
 Grease Gun 24-53
 Hammer 19-78
 Hand Pads 23-2, 23-32
 Linesmen's Knife 19-78
 Multi-Purpose 19-76
 Pliers 19-78
 Pliers & Ruler 19-79
 Pliers & Screwdriver 19-79
 Pliers, Ruler & Screwdriver 19-78
 Pocket Knife 19-78
 Punch 19-30
 Scissors 19-78
 Scissors & Knife 19-78
 Screwdriver Bit 21-24
 Snap Loop 19-79
 Tape Rule 19-78
 Utility Knife 19-82
 Voltage Tester 19-82

HOLE

Cutter 19-3
 Cutter, Pipe 19-133-134
 Punch 20-41-42
 Punching 19-36-38, 19-98-104

HOLE SAWS

Arbor/Adapters 22-17, 22-24, 22-34
 Bi-Metal 22-16, 22-24-25
 Brazed Carbide 22-33-34
 Carbide Tipped 22-18, 22-25
 Diamond (Masonry) 22-11
 Kits 22-17, 22-24-25
 Metal Cutting 22-33-34
 Plastic/Stucco Cut 22-34
 Recessed Lights 19-40
 Tub, Tile & Spa Cut 22-34
 Tungsten Carbide Grit 22-18, 22-26
 Wood/Fiberglass 22-34

HOLLOW

Wall Anchors 26-4-5, 26-7

HOOK AND LOOP (VELCRO)

Disc 23-5-6, 23-33
 Holder 23-6, 23-33

HOOKS

Alloy 4-11-14, 4-21
 Alloy Eye 4-21

Alloy Hook Latch Kit 4-16
 Alloy Swivel Eye 4-21
 Alloy Web Slings 4-21
 Anchoring 19-83
 Barrel 4-15
 Blade 19-163
 Block & Tackle 19-82
 Bolt 26-1
 Cable 18-11, 18-17
 Cants 28-3
 Chain Hooks 4-21
 Choker 4-14-15, 4-20
 Clevis Grab 6-19
 Clevis Slip 6-19
 Closed Swivel Bail 4-18
 Clothesline 25-13
 Cornice Hooks 18-19
 Curtain Rod 25-12
 Eye Grab 6-19
 Eye Slip 6-19
 Fast Eye Bolt 25-1
 Gate Hooks 4-17-20
 Grab, Clevis 4-21, 4-40
 Grab, Eye 4-21, 4-40
 Grapppler 19-151
 Hoist Shank 4-11, 4-13-14, 4-18-20
 J Towing 6-20

HOOKS *continued..*

Link Chain Nest 4-18
 Logging 4-20
 Open Swivel Bail 4-18
 Overhead Lifting 6-5-7, 6-10
 Parallel Hooks 25-12
 Pedro Hooks 4-15
 Pelican Hook 4-15
 Pintle 7-4
 Pipe Hook 4-15
 R Towing 6-20
 Release-A-Matic 4-15
 Roller Chain Nest 4-18
 Roof 18-11
 S 6-20
 Safety Latch Kits 4-15-16, 19-208
 Scissor 25-6
 Screw 25-9, 25-12-13
 Shank Hooks 4-11, 4-13-14, 4-18-20
 Shipyard 4-41
 Sliding Hooks 4-14-15
 Slip, Clevis 4-21, 4-40
 Slip, Eye 4-12, 4-21, 4-41
 Snap Hooks 4-14
 Sorting Hook 4-15
 Spring Hooks 25-4, 25-6
 Stainless Steel Hooks 4-40-41
 Swageable Shank 3-4
 Swivel Hooks 4-12-13, 4-18, 4-21, 4-41
 T Towing 6-20
 Tie-down Assembles 7-8-10
 Tow 7-5
 Web Sling Hook 4-12, 4-21
 Weld On 4-21

HOOKS, OVERHEAD LIFTING

Clevlok Cradle Grab 6-7, 6-10
 Clevlok Grab 6-5
 Clevlok Latchlok 6-7
 Clevlok Sling 6-7, 6-10
 Cradle Grab 6-6
 Foundry 6-6, 6-10
 Hook and Latch Kit 6-7
 Large Eye Latchlok 6-6
 Plate 6-7
 S 6-7
 Sling 6-6

HOOKS, STAINLESS STEEL

Clevis Grab 4-40
 Clevis Slip 4-40
 Eye Grab 4-40
 Eye Hook 4-41
 Eye Slip 4-41
 Swivel Eye 4-41

HOPPER

Gun 19-98

HOSE

Air 27-1
 Bag 19-82
 Banding Tools 27-12
 Bolt-on Clamps 27-4
 Boss Clamps 27-4
 Brass Fittings 27-10
 Bulk 27-1
 Center Punch Clamps 27-11-12
 Clamp Pliers 19-64
 Clamps 27-4, 27-11-12
 Clamps, Plastic 24-59
 Coil-Self Storing 27-8
 Contractor Water 27-1
 Couplers, Hydraulic 14-16
 Discharge Hose 27-2
 Ducting, Retractable 27-1
 Garden 27-13
 Grease Gun 24-3, 24-52
 Hot Water 27-13
 Hydraulic 14-15, 27-15
 Impact Tool 27-1
 Jack Hammer 27-1
 Lay Flat Hose 27-2
 Mender 27-4, 27-10, 27-14
 Nipples 27-10
 Nozzles 27-14
 Paint Sprayer 27-2
 Pressure Washer 27-2, 30-9
 Reels 24-7, 27-18-20
 Rubber 27-1, 27-13
 Sandblast 27-2
 Self-Storing 27-8
 Soaker 27-13
 Sprinkler 27-13
 Steam 27-2
 Suction 27-1
 Ventilation Blower 27-1
 Vinyl Hose 27-13
 Water Hose 27-1-2, 27-13

Weep and Soak 27-13
 Welding 27-2, 31-11
 Whip Check 27-5
HOT FORMED PRODUCTS 4-25
HOT MILLS
 Gloves 17-14
HYDRAULIC
 Bearing Puller 14-31-34, 19-116
 Bolt and Bar Cutter 14-1
 Cable Cutters 19-48
 Cement 28-7
 Concrete Saw 30-4-5
 Conduit Benders 19-35
 Couplers, Cylinder Hose 14-16
 Crimpers 19-48-49
 Cylinders 14-3-9
 Cylinders and Pump Sets 14-20
 Dust Caps For Fittings 14-16
 Engine Stand 14-23
 Fittings 14-17, 27-15-17
 Flange Spreader 14-27
 Gear Puller 19-122
 Gear Puller 14-31-34, 19-122
 Hand Tools 14-1
 Hole Making 19-37-38
 Hose 14-15, 27-15
 Hose Couplers 14-16
 Jack Oil 24-35
 Jacks 14-21-26, 14-35
 Load Reliever 30-11
 Manifold Blocks 14-15
 No-Spill Couplers 14-16
 Nut Splitter 14-28
 Platform Lift 18-3
 Post Tension/Stressing 14-26
 Presses 14-28-31
 Pressure Gauges 14-16
 Pullers 14-31-35
 Pump Carts 14-16, 14-25
 Pump Roll Cage 14-16, 14-25
 Pumps 14-9-14, 14-20
 Punches 14-28
 Rams 14-3-9
 Rams and Pump Sets 14-20
 Roll Groover 19-131-132
 Selecting the Right Components 14-2
 Shearing Machine 30-27
 Spreaders 14-27
 Steel Cutters 14-1
 Swaging Tools 14-1, 19-113
 System Setups 14-2
 Valves 14-17-20

I

I-BEAM

Specifications 10-3
 Winches 11-5

IDENTIFICATION TAGS, LOCKS 17-43

IGNITERS, TORCHES 31-2-4

IMPACT

Monster 20-64
 Wrenches, Cordless 20-19-20
 Wrenches, Electric 20-13-14, 20-23, 20-50
 Wrenches, Pneumatic 20-1, 20-13-14, 20-63, 20-66

INCANDESCENT LAMPS 30-15

INFLATABLE JACKS 14-26

INFRARED HEATERS 30-14-18

INJECTOR

Detergent 30-9
 Sand 30-9

INK

Marker 24-27
 Prussian Blue 24-38
 Stencil 24-19
 Toolmaker's 24-18
 Toolmaker's Remover 24-18

INSECT REPELLENT 17-22

INSERT

Bit Holders 21-24
 Clutch Bit 21-23
 Frearson 21-23
 Phillips 21-18
 Pozidriv 21-21
 Robertson 21-22
 Slotted 21-19
 Socket Head Insert 21-21
 Socket Head Tamper Resistant 21-22
 Spanner 21-22
 Square Recess 21-22
 Torq-Set 21-23
 Torx 21-20
 Torx Tamper Resistant 21-20
 Torxalign (Wedge) 21-21
 Tri-Wing 21-23

INSPECTION

Lights 29-6-7
 Mirrors 19-33

INSULATED

Bare Wire Caps 19-213
 Box Wrenches 19-209
 Cable Cutters 19-71-72
 Cable Shears 19-212
 Clamp 19-213
 Crimping Tools 19-72
 Diagonal Pliers 19-71-72
 1/2" Drive Tools 19-210
 Hand Tools 19-208-213
 Knives 19-73
 Linesmen's Knife 19-73
 Long Nose Pliers 19-72
 Nut Drivers 19-73
 Open End Wrenches 19-208-209
 Pliers 19-71-72
 Screwdrivers 19-72-73
 Side Cutters 19-72
 3/8" Drive Tools 19-209
 Tool Sets 19-212
 Torque Wrenches 19-210

Master Index

INSULATED *continued...*

Wire Rope Shears.....	19-212
Wire Strippers.....	19-72

INSULATOR

Link.....	5-12
-----------	------

INTERNAL

Puller.....	14-35
-------------	-------

IRONS

Soldering.....	19-18-19
Ironworker Machines.....	30-11-12

IRONWORKERS

Bags.....	19-84-85
Belts.....	19-80
Bull Pin Holders.....	19-79
Pliers.....	19-55
Tool Buckets.....	19-81-82
Tool Holders.....	19-76-79
Tool Pouches.....	19-76-79

J

JACK

Chain.....	6-20
------------	------

JACKS

Air/Hydraulics.....	14-23
Air Motor.....	15-11
Bell Base.....	15-11
Bottle.....	14-21-22
Cable Reel.....	15-11
Economy Toe.....	14-22
Flange.....	19-204
High Capacity.....	15-12
Hydraulic.....	15-12
Inflatable.....	14-26
Journal.....	15-10
Ladder.....	18-11
Low Profile.....	14-21
Mechanical.....	15-10-11
Mini.....	15-12
Portable High Tonnage.....	14-24-25
Post Tension/Stressing.....	14-26
Ratchet.....	15-10
Service.....	14-23
Side Winder Mini.....	14-22
Telescoping.....	14-21
Toe.....	15-12
Toe Jacks.....	14-22
Track.....	15-10
Transmission Jacks.....	14-23

JACOBS® CHUCKS.....

JAM

Nuts.....	26-40-41, 26-45, 26-52-53, 26-59, 26-63
-----------	---

J-BOLT.....

JERSEY

Gloves.....	17-14
-------------	-------

JIG

Saw, Electric.....	20-7, 20-25, 20-54
--------------------	--------------------

JOINT REPAIR.....

JIGSAW BLADES

Application/Blade Chart.....	22-14-15, 22-21
Bayonet Shank.....	22-15, 22-21
Bosch Shank.....	22-21, 22-26
Tungsten Carbide.....	22-25-26
Universal Shank.....	22-14, 22-21, 22-26

JOBSITE

Storage Cabinets.....	19-49-51
-----------------------	----------

JOHNSON BARS.....

JOINER.....

JOINT

Raker.....	19-94
------------	-------

JOURNAL JACK.....

JUMBO

IIX Tool Steel.....	21-16-17
---------------------	----------

JUMPING JACKS.....

K

KEROSENE

Heaters.....	30-19-20
Safety Cans.....	15-26

KEVLAR

Gloves.....	17-4
Sleeves.....	17-4

KEYS

Allen Wrench.....	19-19-20
Ball Hex Wrenches.....	19-19-20
Hex Wrench.....	19-19-20
Machinery.....	24-59
Torx.....	19-20
Woodruff.....	24-58, 24-60

KEYSTOCK.....

KNEE

Boots.....	17-15-16
Pads.....	19-101

KNIVES

Blades, Utility.....	19-27, 19-162-163
Broad.....	19-174
Cable.....	19-71
Coping.....	19-70-71
Dismantling, Insulated.....	19-213
Electricians.....	19-73
Ergonomic.....	19-27
Exacto.....	19-27
Flooring.....	19-174
Folding.....	19-27, 19-68, 19-70-71
Glazier.....	19-174
Holdes.....	19-78
Insulated.....	19-73
Linesmen's.....	19-71, 19-73
Linoleum.....	19-176
Pocket.....	19-70-71
Putty.....	19-174
Razor.....	19-27, 19-175
Skinning.....	19-71, 19-73
Snap-off Blade.....	19-175
Splicers.....	19-71

Splitting.....	19-73
Taping.....	19-96
Utility.....	19-27, 19-162-163
Utility Blades.....	19-27, 19-163

L

L-CLAMPS

Copper Plated.....	19-207
Economy.....	19-207

LAB COAT

Covers.....	17-16
Laboratory Safety Cans.....	15-26

LADDER

Aluminum.....	18-7-8, 18-14
Aluminum.....	8-2, 18-7-8, 18-14
Baker Scaffolding.....	18-12, 18-15-16
Cable Hooks.....	18-11, 18-17
Combination.....	18-7
Crossover.....	18-4
Dock.....	18-3
Double Entry.....	18-5-7, 18-10
Extension.....	18-6-8, 18-10-11, 18-13-14
Extension Ladder Accessories.....	18-11, 18-17
Fiberglass.....	18-5-7, 18-13, 18-15
Fold-N-Store.....	18-2
Jacks.....	18-11
Leveler.....	18-11
Lift Platforms.....	18-3-4
Manhole.....	18-7
Mezzanine.....	18-3
Mitts.....	18-11, 18-17
Mud Blocks.....	18-11
Order Pickers.....	18-3
Pail Shelf.....	18-11
Pivot-In-Place.....	18-3
Planks.....	18-9, 18-11, 18-14
Platform, Rolling Work.....	18-12, 18-15-16
Platform, Scaffolding.....	18-6, 18-8, 18-10
Pole Grip.....	18-11
Pole Lash.....	18-11
Preservative.....	18-11
Rolling.....	18-1-3
Roof Hook.....	18-11
Scaffolding Entry.....	18-16
Scaffolding, Powered.....	18-18-19
Scissor Lift.....	18-3
Shelf.....	18-6, 18-8
Shoes.....	18-11
Single.....	18-14
Stages.....	18-9, 18-14
Stages, Planking.....	18-9, 18-11, 18-14
Step Accessories.....	18-11
Step Ladders.....	18-5-10
Step Stools.....	18-15
Stock Picking.....	18-1
Swivel Shoes.....	18-11
Tank-Top Lift.....	18-4
Tilt and Roll.....	18-2
Trestle.....	18-11, 18-13

LADDER *continued...*

Tripod 18-6, 18-10
 Twin Front 18-5-7, 18-10
 V-Rung 18-17
 Warehouse Ladders 18-1-4
 Wear Sleeves 18-11
 Wheel Spurs 18-11
 Wood Preservative 18-11
 Wooden 18-9-11, 18-15
 Work Stand 18-6, 18-8

LAG

Bolts 26-25, 26-45
 Screw Eyebolt 25-9, 25-11
 Shield Anchors 26-4

LAMINATE

Trimmer 20-6

LAMP

Cords 29-5

LAMPS

Cap (Mining) 17-26
 Dock 30-15
 Fluorescent 30-15
 Incandescent 30-15
 Infrared Heat 30-14, 30-18
 Magnifier 30-15
 Sodium 30-15
 Wall Mounted 30-15
 Work Station 30-15

LANTERN

Batteries 17-27
 Heavy Duty 17-25
 Rechargeable 17-25-26
 Utility 17-24-25
 Waterproof 17-25-26

LANYARDS

Air Fitting 27-5
 Clip Retro Fit 16-5
 Positioning and Restraint 16-9
 Retractable 16-8
 Ring 16-5
 Shock-Absorbing 16-6-7
 Tie-Back 16-7
 Web 16-8
 Lap Links 6-20, 25-6

LAPPING

Compound 24-36

LASER

Levels 19-141
 Rotating 19-23, 19-150
 Torpedo Level 19-141
 Vertical 19-23

LASHING RING 7-5

LATCHES

Safety, Hoist Hook 19-208
 Safety, Hoist Hook 4-15-16, 19-208

LATHES

Pipe End Prep 19-52

LEAD ABATEMENT

Needle Scalers 20-72
 Peening Tools 20-71

Right Angle Grinder 20-71
 Scabbler (Floor) 20-73
 Scaler (Floor) 20-72-73
 Scaling Hammer 20-73
 Vacuum (HEPA) 20-73-74

LEAD BLOCK

Hinged 5-7
 Horizontal 5-7
 Vertical 5-7

LEATHER

Clothing 17-18-19
 Palm Gloves 17-13
 Leg Leveler 18-11

LENS CLEANING

Station 17-3
 Towellettes 17-3

LETTERING

Stamps 19-213
 Stencils 19-214

LEVELS

Aluminum 19-21-22
 Box 19-21
 Bulls Eye 19-24
 Cases 19-22
 Hand 30-1
 Heavy Duty 19-21
 Laser 19-21
 Laser, Torpedo 19-141
 Line 19-24
 Magnetic 19-21-22
 Magnetic Mount 30-19
 Optical 30-1
 Pocket 19-24
 Polycast 19-22
 Speed 19-23
 Torpedo 19-22, 19-141
 Trim Wood 19-21

LEVER BINDER

E-Z Pro Cam Release Lever 7-2
 Midget Load 7-2
 Snubbing Load 7-2
 Standard Lever Type Load 7-1-2
 Lever Hoists 10-3-6

LIFELINES

Horizontal 16-11
 Retractable 16-8
 Vertical 16-9

LIFT

Platforms 18-3-4
 Tables 15-9

LIFT ENGINEERING GUIDELINES

Angles of Bridles 2-1
 Basic Hitches 2-1
 Calculating Load 2-1
 Choker Hitch Rated 2-2
 Capacity Adjustment 2-2
 D/d Ratios Apply to Slings 2-2
 Effect of Angles 2-1
 Minimum Sling Body Length 2-2
 Sling Eye Design 2-2

LIFT RIGGERS GUIDE LINES

Care of Wire Rope Slings 2-3
 Check List to Lift 2-3
 Inspection 2-3
 Planning a Lift 2-4-5
 Sling Selection 2-2
 Sling Usage Dictates Sling 2-2
 Body Construction 2-2
 Turning or Repositioning to Load 2-5

LIFTERS

C-Hook, Custom 13-9
 C-Hook, Plate Style 13-6-8
 Coil 13-12
 Container 13-15-16
 Crane Forks 13-10-11
 Drum 15-30-31
 Drywall Board 19-97
 Sheet 13-11
 Vacuum 13-16-18

LIFTING

Eyes 4-35
 Eye Nuts 4-35, 4-40
 Pad Eyes 4-35

LIFTING BELOW-THE-HOOK

ANSI Safety/Standard 13-4
 Beams 13-1-5
 Bulky, Odd Shaped Objects 13-22
 C-Hook Lifters 13-6-9
 Coil Lifters 13-12
 Container Lifters 13-15-16
 Crane Forks 13-10-11
 Drum 15-30-31
 Flip-Rite 13-22
 Load Indicator Devices 13-22-23
 Magnets 13-18-21
 Material Handling System 13-22
 Pin Puller 13-15
 Pipe Carrier 13-14
 Sheet Lifters 13-11
 Suspended Personnel Platforms 13-22
 Tongs 13-13-14
 Vacuum Lifters 13-16-18

LIFTING CLAMP

Beam 12-3, 12-5-6, 12-9
 Beam Lifting 12-3, 12-7-9
 Bulb Section 12-8
 Drag 12-2
 Drum Handling 12-2-3
 Duplex Hand Grip 12-2
 Girder 12-3, 12-5-6, 12-9
 Girder Lifting 12-3, 12-7-9
 Horizontal 12-4-5, 12-8
 Inspection 12-1
 Locking 12-2-4
 Maintenance 12-1
 Non-Marring 12-1, 12-7
 Pile Pitching 12-9
 Pile Pulling 12-9
 Pipe 12-6
 Pipe Grabs 12-3
 Plate Horizontal 12-2

Master Index

LIFTING CLAMP *continued...*

Rail	12-5, 12-9
Repair, Need A Repair?	12-1
Roller Toe	12-8
Screw Cam	12-2, 12-9
Screwlok	12-9
Sheet Bundle	12-8
Standard Grip	12-1-2, 12-5-7
Thin Sheet	12-8
Universal Super Clamp	12-6
Wide Mouth	12-7

LIFTING EYE BOLTS

Alloy Lifting	4-33
Alloy Reduced	4-33
Applications and Installation	4-31-32
Forged	4-32-35, 4-40
Machine	4-31-34
Metric Lifting	4-33
Plain Pattern	4-33
Reduced Lifting Eyes	4-33
Regular Nut	4-31-32
Rivet	4-34
Screw	4-32
Shoulder Nut	4-31-32, 4-34-35, 4-40
Shoulder Rivet	4-34
Shoulder Type Machinery	4-33-34
Stainless	4-34-35, 4-40

LIFTING HOOKS

Alloy	4-11-14, 4-21
Alloy Eye	4-21
Alloy Hook Latch Kit	4-16
Alloy Swivel Eye	4-21
Barrel	4-15
Chain Hooks	4-21
Choker	4-14-15, 4-20
Closed Swivel Bail	4-18
Gate Hooks	4-17-20
Grab, Clevis	4-21, 4-40
Grab, Eye	4-21, 4-40
Hoist Shank	4-11, 4-13-14, 4-18-20
Link Chain Nest	4-18
Open Swivel Bail	4-18
Pedro	4-15
Pelican	4-15
Pipe	4-15
Release-A-Matic	4-15
Roller Chain Nest	4-18
Safety Latch Kits	4-15-16
Shank	4-11, 4-13-14, 4-18-20
Shipyard	4-41
Sliding	4-14-15
Slip, Clevis	4-21, 4-40
Slip, Eye	4-21, 4-40
Snap	4-14
Sorting	4-15
Stainless Steel	4-40-41
Swivel	4-12-13, 4-18, 4-21, 4-41
Web Slings	4-12, 4-21
Weld On	4-21

LIFTING LINKS

Connecting Links – Stainless Steel	4-38
Hammerlock – Stainless Steel	4-38
Master Link	4-10, 4-38
Pear-Shaped	4-11
Weldless Links	4-11

LIFTING PLATE

Pivoting	4-30
----------------	------

LIFTING RING

Alloy	4-10, 4-11
Street Plate	4-31
Weldless	4-11

LIFTING SWIVELS

Chain Swivels	4-22
Eye & Eye Swivels	4-22, 4-40
Hoist Rings	4-26-31
Jaw & Eye Swivel	4-22, 4-40
Jaw & Jaw Swivels - Stainless Steel	4-40
Jaw End Swivel	4-22
Regular Swivels	4-22

LIFTS

Contractor	15-8
Fork Lift Mounted Man Lift	15-9
Hydraulic Material Lift	15-9
Mechanical Material Lift	15-8-9
Stock Pickers	15-9
Table	15-9
Work Platform	15-9

LIGHTERS

Flint	31-4, 31-11
Spark	31-4, 31-11

LIGHTS

Abrasive Blasting	29-6
Area Lights	29-5, 29-6
Barricade	17-35
Battery Operated	29-4, 29-6-7
Brooder	29-4
Clamp-On	29-3
Confined Entry	29-7
Dock	30-15
Explosion Proof	29-7
Flashlights	17-24-27
Flood Light	29-4
Fluorescent	30-15
Fluorescent	29-4
GFCI	29-3
Hazardous Location	29-6-7
Heat Lamp	29-4
Incandescent	30-15
Inspection	29-6-7
Lanterns	17-24-26
Light Systems	29-7
Lightsticks	17-37
Magnifier	30-15
Outdoor	29-6-7
Painting	29-6
Portable	29-3-7
Quartz	29-5
Reel	29-3-4

Reflector	29-4
Sodium	30-15
Spot	17-26
Stringer	29-5
Temporary	29-3-7
Tripod Mounted	29-5
Trouble Light	29-3
Vinyl Coated	29-3
Wall Mounted	30-15
Wet Service	29-6-7
Work Lights	29-3-7
Work Site	29-5-7
Work Station	30-15
Z-Frame	29-5

LINE

Construction	19-24
Fishing	19-44
Poly	19-43

LINERS

Gloves	17-14
Helmet	17-4-8
Winter	17-4-8

LINESMEN'S

Hammer	19-74
Knife	19-71, 19-73
Pliers	19-54-55
Ratchet	19-194
Wrenches	19-65-66

LINKS

Cable Pulling	19-92
Connecting	6-18-19
Drag	19-193
Insulator	5-12
Lap	25-6
Lap	6-20, 25-6
Mid	6-19-21
Missing	6-21
Quick	25-5, 25-7
Quick	6-19, 25-5, 25-7
Repair	6-20
Twin Clevis	6-21

LINKS, OVERHEAD LIFTING

Connecting Links	
Stainless Steel	6-16
Stainless Steel	4-38, 6-16
Grab	6-5
Hammerlock – Stainless Steel	4-38
Hammerlock Coupling	6-4
Master Link	6-9, 6-15-16
Master Link	4-10, 4-38, 6-9, 6-15-16
Master Ring	6-5
Oblong Master Sub-Assembly	6-5, 6-9, 6-16
Pear-Shaped Master	6-5, 6-15
Pear-Shaped Master	4-11, 6-5, 6-15
Welding Coupling	6-5
Weldless	4-11

LINOLEUM

Knife	19-176
Lithium Grease	24-17, 24-35-36, 24-50

LOAD
 Indicating Devices 13-22-23
 Indicating Washers 26-44
 Positioner-Hydraulic 5-19
 Securement 7-1-10
 Securement 6-19-21, 7-1-10

LOAD BINDERS
 Application, Maintenance and Warning 7-1
 Binder Chain Assemblies 7-2
 Custom Ratchet Turnbuckles 7-3
 Dimensions of Ratchet Turnbuckle 7-2-3
 E-Z Pro Cam Release Lever 7-2
 Instructions for Lever and Ratchet Binders 7-1
 Lever 7-1-2
 Midget 7-2
 Quic-Link Ratchet 7-1
 Ratchet Turnbuckles 7-2-3
 Snubbing Load Binder 7-2, 10-6
 Standard Ratchet Binder 7-1

LOCATOR
 Surveyors Metal Detector 30-6

LOCK
 Nuts 26-41, 26-45-46,
 26-52, 26-60, 26-63
 Washers 26-43-44, 26-46,
 26-52, 26-54, 26-60, 26-63-64

LOCKER
 Room Benches 15-41

LOCKERS 15-39

LOCKOUTS
 Ball Valve 17-44
 Butterfly Valve 17-44
 Circuit Breaker 17-45
 Electrical Plug 17-45
 Electrical Switch 17-45
 Hasps 17-43-44
 Systems 17-43
 Tagout Center 17-45
 Tags & Collars 17-43-45
 Valve Lockouts 17-44

LOCKS
 Collars 17-43
 Combination 17-43
 Covers 17-44
 Hasp Locks 17-43-44
 Hasps 17-43-44
 High Security 17-43
 Identification Tags 17-43
 Keying Systems 17-43
 Lock Labels 17-45
 Multi-Purpose 17-43
 Padlock 17-43
 Padlock Eyes 17-44

LOGGING
 Wire Rope 1-15

LOGGING HOOKS
 Bardon® Choker 4-20
 Bardon® Choker 4-20
 Chain Winchline 4-20
 Chainrite® Choker 4-20

Double-Ender 4-20
 Ring-Type Holdrite® 4-20
 Screwy® Guy Line 4-20
 Sleeve-Type Holdrite® 4-20
 Sliding Winchline 4-20

LOOP
 Chain 6-20

LOOPERS
 By-Pass 19-173

LUBRICANTS
 All 4 24-16
 Angular Cutter 20-40-41
 Anti-Seize 24-35-36
 Cable Pulling 19-45
 Chain 24-50
 Creme 24-49
 Cutting Oil 24-16, 24-48-49
 Disc Brake 24-35-36
 Dry Film 24-16
 Dry Moly 24-17-18, 24-35-36, 24-50
 Food Grade 24-17, 24-35-36, 24-50
 Gear, Chain & Cable 24-35-36
 Graphite 24-17
 Greaseless 24-49
 High Temperature 24-17,
 24-35-36, 24-50
 Industrial Strength 24-49
 Lithium 24-17, 24-35-36, 24-50
 Lubricating Oil 24-16
 Manifold 20-70
 Moly Chain 24-17-18, 24-35-36, 24-50
 Open Chain 24-17
 Open Gear 24-17
 Penetrating Oil 24-16, 24-35-36, 24-50
 Red Grease 24-50
 Rust Inhibitor 24-19, 24-51
 Silicone 24-35-36
 Stick 24-49, 20-39-40
 Synthetic 24-35-36
 Tapping 24-16
 Wire Rope 24-50

LUBRICATORS
 In Line 27-5
 Mini 27-9

LUG-ALL WINCH HOIST
 Hot Stick Hoist (Livewire Puller) 10-25
 Portable Winch Models 10-24

LUMBER
 Crayons 24-28

M

MACHINE
 Bolts 26-31-35, 26-46-47,
 26-53-55, 26-62-63
 Chain 6-19
 Screw Anchors 26-4
 Screw Eyebolt 25-9, 25-11

MACHINERY
 Movers 15-8
 Rollers 15-14-17

Skates 15-18-19

MACHINING COMPOUND 24-36-37

MAGNESIUM
 Float 19-95

MAGNETIC
 Belt Clip 19-109
 Drill 20-36
 Levels 19-21-22
 Pickup Tool 19-33
 Scriber 19-28
 Squares 19-104-105
 Sweep 19-105
 Wand 19-105
 Welders Ground Clamp 19-105
 Welders Link 19-33
 Welders Square 19-104-105

MAGNETS
 Alnico 19-33
 Button 19-33
 Clamps 19-105
 Horseshoe 19-33
 Industrial 19-104-105
 Pocket 19-33

MAGNETS LIFTING
 A.C. Powered 13-20
 Battery Powered 13-20-21
 D.C. Powered 13-19
 Permanent Lift 13-18-19, 13-21

MAGNIFIER
 Illuminated 19-33
 Lamp 30-15

MAINTENANCE SETS
 Clevis Pins 24-60
 Cotter Pins 24-58
 Dowel Pins 24-59
 E-Clips 24-58
 Electrical Terminals 24-59
 Grease Fittings 24-59
 Hitch Pin Clips 24-58
 Housing Rings 24-58
 Machinery Keys 24-59
 Metric Grease Fittings 24-60
 Metric Roll Pins 24-60
 Metric Set Screws 24-59
 Metric Socket Head Cap Screws 24-59
 O-Rings 24-59
 Plastic Hose Clamps 24-59
 Retaining Rings 24-58
 Roll Pins 24-58
 Set Screws 24-59
 Snap Rings 24-58
 Socket Head Cap Screws 24-59
 Stainless Steel Woodruff Keys 24-60
 Taper Pins 24-59
 Woodruff Keys 24-58

MALLETS
 Plastic 19-28
 Rawhide 19-28
 Rubber 19-26, 19-28

Master Index

MAN LIFT

Platforms18-3-4

MAN LIFT, FORKLIFT MOUNTED

Stock Picker15-9
Work Platform.....15-9

MANDRELS

Cartridge Roll23-24
Cone Point.....23-24
Cross Pad.....23-25-26
Flap Wheel23-23
Scotch Britetm Wheels23-10-11
Square Pad23-25
Surface Conditioning23-2, 23-10-11
Trim-Kut.....23-28
Type 1 Abrasive Wheel23-43, 23-52

MANHOLE

Cover Lifter.....19-8
Handling Sling8-8
Ladders18-7
Manifold.....20-71
Manifold Blocks, Hydraulic14-15

MANILA ROPE

Block.....5-6
Rope.....9-4

MANIPULATORS15-7-8

MANUAL TROLLEYS10-9-11

MAPP GAS

Brazing/Welding Tips.....31-16
Cylinders31-4
Torches31-2-3

MARKERS

Ball Paint24-27
Chalk, Railroad.....24-27
Crayon, Lumber.....24-28
Fiber Tip24-27
Holders24-28
Ink.....24-27
Lumber Crayons.....24-28
Paint Sticks.....24-25-27
Pencils.....24-27
Spray24-18
Temperature Indicator24-29
Upside Down Paint.....24-18
Valve Action.....24-27

MARKING

Chalk19-54

MASKING

Tape.....24-70

MASONRY

Brush19-94
Core Bits.....22-32
Hammering Tools (SDS+, SDS-Max, Spline, 3/4" Hex)22-32-33
Hoe19-170
Rebar Cutters.....22-33
Saw30-10
Screw Type Drill22-32
SDS+ Adaptors.....22-31
SDS+ Drills.....22-31

SDS-Max Adaptors.....22-31
SDS-Max Drills22-31
Sealant28-5
Spline Drills22-31
Straight Shank Drills22-32
Tanged (Tapcon®) drills22-32
Tapcon® (Screw-Type) Drills.....22-32

MASONS

Chisel19-99
Hammer.....19-25

MASTER LINK

Alloy6-5, 6-9
Alloy4-10, 6-5, 6-9
Stainless Steel6-15-16
Stainless Steel.....4-38, 6-15-16

MATERIAL HANDLING SYSTEM

Beams13-1-5
Bulky, Odd Shaped Objects13-22
Flip-Rite13-22
Load Indicator Devices.....13-22-23
Magnets.....13-18-21
Pin Puller.....13-15
Pipe Carrier13-14
Sheet Lifters13-11
Tongs.....13-13-14

MATERIAL LIFT

Barrier Grabs.....13-13-14
Beam Tongs13-14
Bridge Crane15-7
C-Hook13-6-9
Coil13-12
Container.....13-15-16
Contractor.....15-8
Crane Fork.....13-10-11
Davit Cranes.....15-1
Drum.....15-30-31
Gantries15-5-6
Hydraulic15-9
Jib Crane15-7
Lifting Beam13-1-3
Manipulators.....15-7
Mechanical15-8-9
Rail Tongs.....13-14
Roust-A-Bout.....15-8
Sheet13-11
Slab Tongs.....13-14
Spreader Beam13-3-4
Stacker15-10
Tables15-9
Tong Grabs.....13-13
Vacuum.....13-16-18

MATERIAL LIFTING

Block & Tackle.....19-82

MATS & MATTING

Anti-Fatigue17-39-40
Anti-Static17-40
Cable Protection Matting17-41
Chemical Resistant17-39-40
Drainage.....17-39-40
Electronically Conductive17-40

Industrial17-39
Slip Resistant17-39-40
Wiper/Scrubber17-40

MATTOCKS

Cutter.....19-5
Garden Cutter.....19-5
Handles19-6
Pick.....19-4
Maul.....19-4

MEASURING

Depth Gauge19-53
Surveyors Rope.....19-53
Tapes19-10-12, 19-24-25, 19-163-165
Wheels19-57

MEDICAL

Gloves17-14

MEN AT WORK

Signs17-23

MESH

Slings6-12-13

METAL

Cutting Saw30-12
Detector, Surveyor.....30-1
Fastener Driver20-2, 20-19, 20-58-59
Punching Machine30-11
Working Machines.....30-11-12

METAL WORKING

Tooling21-17

METERS

Ammeter.....19-52
Clamp-on.....19-64
Current19-52
Electric.....19-52
Flow15-27
Frequency19-52
Micrometer19-31-32
Multimeter19-49, 19-63
Resistance19-52, 19-66
Torque20-16
Voltage19-52

METRIC

Bolts26-55-63
Nuts.....26-59-60, 26-63

METRIC/ENGLISH

Conversion Tables1-8, 20-19

MEZZANINE

Ladders18-3

MICRO

Brushes21-6
Micrometer19-33-34

MIG

Welders30-7
Welding Gloves31-2
Wire31-12

MILLING

Machine Vise.....19-206

MINERAL WOOL

Fire Stop.....28-1

MINING
 Chain6-18

MINING AND EXCAVATION
 Wire Rope1-13

MINING AND TRAMWAY
 Wire Rope1-14

MIRRORS
 Convex Circular.....17-42
 Dome.....17-41
 Flat17-42
 Fork Lift Mirror.....17-42
 Inspection.....19-33

MITER
 Saw20-8, 20-24, 20-29-32, 20-53-54

MITTENS
 Heat Resistant.....31-2
 Welders31-2

MIXER
 Boxes19-166
 Drywall19-96, 19-175
 Paint19-175
 Pans19-166
 Plaster19-96

MIXERS
 Concrete.....30-12
 Mortar30-12

MOBILE
 Lift Platforms18-3-4

MOLD RELEASE
 Epoxies.....24-20

MOLY
 Lubricants24-17-18, 24-35-36, 24-50

MONITOR
 Bearing Heater19-110
 Gas17-31-33

MOPS
 Handles24-23
 Wet Mops24-23

MORTAR
 Boxes19-166
 Fire Stop.....28-16
 Hoe Handles.....19-123
 Hoes19-170
 Mixer.....30-12
 Mixing Pans/Boxes19-49, 19-63

MOVER
 Air20-70
 Drum.....15-31
 Machinery.....15-8

MRO MAINTENANCE
 Platform Lift18-3

MSDS/STATIONS
 Signs17-23

MULTI MASTER.....20-33

MULTIMETER19-49, 19-63

MULTIPLIER
 Torque19-203

MUSIC
 Wire.....24-62

N

NAIL
 Puller19-6
 Set19-99

NATURAL GAS HEATERS
 Convection30-17
 Forced Air.....30-16-17
 Radiant.....30-18

NEEDLE
 Scales.....20-12, 20-16, 20-64, 20-74

NETS, CARGO
 Hardware7-8-10

NETTING, SAFETY
 Bridge16-18
 Cargo.....16-18
 Ceiling and Roof.....16-17
 Debris16-17-18
 Overhead.....16-18
 Perimeter.....16-17
 Pit and Shaft.....16-17
 Speciality16-17
 Wire Rope16-18

NICOPRESS.....19-107-108

NIBBLERS
 Electric.....20-6, 20-44-45, 20-59
 Pneumatic20-44-45

NIPPERS
 Concretors.....19-10
 Cutting19-10
 End Cut.....19-16

NIPPLE
 Chuck, Pipe.....19-131

NITRILE
 Gloves17-13

NO SMOKING
 Signs17-23

NON-SPARKING
 Hammer.....19-162-163

NON-SKID
 Tape.....17-39

NOTCHER
 Sheet Metal19-70

NOZZLES
 Hose27-14
 Rotating, Pressure Washer.....30-9

NUCLEAR
 Suit & Coverall17-18

NUMBERING/LETTERING
 Stamp19-213
 Stencil.....19-214

NUT
 Drivers.....19-69, 19-73
 Splitters14-28, 19-29

NUTS
 Acme26-42
 Acorn.....26-42, 26-46,
 26-52-53, 26-60, 26-63
 Aluminum26-54
 Brass26-53
 Castle26-60
 Channel, Strut26-72-73
 Coupling26-42
 Coupling Nut4-36
 Eye26-42
 Finished.....26-63
 Flange26-41, 26-60
 Flexlock.....26-41-42, 26-46, 26-52
 Galvanized26-40
 Heavy Hex.....26-40, 26-45, 26-52-53
 Heavy Hex Jam.....26-41
 Hex.....26-39-42, 26-45-46,
 26-52-55, 26-59-60, 26-63
 Hex Full26-39, 26-45, 26-52-54, 26-59
 High26-42
 Jam26-40-42, 26-45,
 26-52-53, 26-59, 26-6
 K-Lock.....26-41, 26-46
 Left Hand.....26-40
 Lifting Eye4-35, 4-40
 Lock26-41, 26-45-46,
 26-52, 26-60, 26-63
 Metric26-59-60, 20-63
 Nylon26-55
 Nylon Inserts.....26-41, 26-45,
 26-52, 26-60, 26-63
 Recessed Nut and Pin4-36
 Reversible.....26-41, 26-45, 26-52
 Sleeve4-36
 Slotted26-40
 Square Nut.....26-42
 Stainless26-45-46, 26-52, 26-63
 Steel26-39-42
 2H (A194).....26-40
 Tee.....26-42
 Top Lock.....26-41, 26-45, 26-52, 26-60
 Weld Nut.....26-63
 Wing26-42, 26-46, 26-52-53, 26-60

NUTSETTER
 Insert21-24
 Power21-24

NYLON
 Bolts26-55
 Insert Nuts.....26-41, 26-45,
 26-52, 26-60-63
 Web Sling8-4-8

O

OIL
 Absorbents24-53-57
 Bar & Chain20-67
 Cutting.....24-16, 24-48-49
 Dispensing Valves.....24-7
 Gear Oil.....24-51
 Hydraulic Jack.....24-35

Master Index

OIL continued...

Lubricating.....24-17
Open Chain.....24-17
Open Gear & Wire Rope.....24-17
Penetrating.....24-16, 24-35-36, 24-50
Sorbents.....24-53-57
Synthetic.....24-35-36
Thread Cutting.....19-124
Transfer Pumps.....24-4-5, 24-7, 24-52
Two-Cycle.....20-67

OIL SORBENTS

Blanket.....24-54
Booms.....24-55-56
Compact Spill Kit.....24-56
Floor Absorbent.....24-22, 24-54-55
Hazmat Spill Kit.....24-56-57
Spill Kit.....24-57
Pads.....24-53-55
Pans.....24-54
Particulate.....24-56
Peat Moss.....24-56
Pillows.....24-54, 24-56
Rolls.....24-53-55
Rugs.....24-54
Sheets.....24-54-56
Socks.....24-54, 24-56
Trucker's Spill Kit.....24-56
Wipes.....24-54

OILER

Thread Machine.....19-125

OPTICAL

Instruments.....30-1

ORDER PICKERS

Lift Platforms.....18-3

ORGANIZER

Tool.....19-27-28, 19-81
Tradesman Pro™.....19-81

O-RINGS

.....24-59

OUTRIGGERS

Scaffolding.....18-12, 18-16, 18-19

OVERHAUL BALLS

Split.....5-13
Top Swivel.....5-13

OVERHEAD PROTECTION

Nets.....16-18

OVERSHOE

Boot.....17-16

OVERSIZE LOAD

Signs.....17-37

OXYACETYLENE

Brazing/Welding Tips.....31-6, 31-10
Welding Kits.....31-6, 31-9-10

OXYGEN

Cylinders.....31-4

P

PACKING

Tape.....24-68

PADDLES

Bits.....22-1
Stop/Slow/Go.....17-36

PADS

Sorbents.....24-53-55

PADS, ABRASIVES

Cross.....23-25-26
Diamond Disc.....23-12

PAD HAND

Surface Conditioning.....23-1-2, 23-31-32
Holder, Hand.....23-2, 23-32
Sanding.....23-31
Square.....23-25

PAIL SHELF, LADDERS.....18-11

PAILS

Animal Watering.....28-4
Galvanized.....28-8
Rubber.....28-3-4
Window Washing.....28-4

PAINT

Aerosol.....24-18
Ball Marker.....24-27
Brushes.....24-24
Color Coding.....24-18
Fluorescent.....24-18
High Temperature.....24-18
Markers.....24-25-27
Primer.....24-18, 24-30, 24-42
Remover.....24-19
Rollers/Covers.....24-24
Sprayer Hose.....27-2
Stencil Ink.....24-19
Sticks.....24-25-26
Stripper.....24-31
Touch Up.....24-18
Tray.....24-24
Upside Down.....24-18
Valve Action.....24-27

PALLET

Drum Spill Control.....15-29
Pullers.....15-23
Racks.....15-32-34
Tongs.....28-3
Truck.....15-22

PAN

Drywall.....19-96
Galvanized.....28-8
Mortar.....19-166
Mud.....19-96

PANEL

Adhesives.....28-5
Saw Electric.....20-45-46, 20-54
Saw Pneumatic.....20-45

PAPER CARRIER

Rope.....9-8

PARALLEL HOOKS.....25-12

PARAPET CLAMPS.....18-19

PARKING

Signs.....17-23

PARTS

Bags.....19-84
Cleaner.....24-31, 24-66
Compartment Boxes & Racks.....15-37

PASSING LINK

Chain.....6-19-20

PASTE

Brazing.....24-28
Soldering.....24-28
Thread Sealant w/Teflon.....24-28

PATCHER

Drywall.....19-174

PATCHING

Cement.....28-6

PAVEMENT

Breakers.....20-5, 20-9, 20-27
Breaker Tool Steel.....21-13-15, 22-52-53

PAVERS

Saw.....30-4

PAVING

Breaker Tool Steel.....21-13-15, 22-32-33
Breakers.....20-4, 20-8-9, 20-55
Peavies.....28-3

PEDESTAL

Fans.....30-13
Stand.....20-43

PEDRO HOOKS.....4-15

PEENING

Tools.....20-71
Pelican Hook.....4-15

PENCILS

Carpenters.....19-24, 24-27

PENDANT BOOM

Inspection.....3-1
Thimbles.....3-1

PENETRATING

Oil.....24-16, 24-35-36, 24-50

PENNANT

Crowd Control.....17-36

PERIMETER

Debris Nets.....16-17

PERSONNEL

Safety Nets.....16-17

PICK

Aluminum.....18-9, 18-14
Clay.....19-5
Handles.....19-6
Mattocks.....19-5

PICKUP

Tools.....19-32-33, 19-105

PIKE POLES.....28-3

PILLOWS

Fire Stop.....28-16-17
 Sorbents.....24-54, 24-56

PIN

Punches.....19-99, 19-101

PINS

Barrel.....19-83
 Bull.....19-83
 Clevis.....24-60
 Clevis.....3-15, 24-60
 Cotter.....26-50
 Cotter.....25-14-15
 Cotter.....24-58
 Cotter.....3-15, 24-58, 25-14-15, 26-50
 Dowel.....26-30, 26-50
 Dowel.....24-59, 26-30, 26-50
 Drift.....19-83
 Flange.....19-53
 Hitch.....24-58
 Hitch.....4-24, 4-36, 24-58
 Roll.....24-58, 24-60
 Snapper.....7-5
 Spring.....26-30, 26-50
 Taper.....26-31
 Taper.....24-59, 26-31

PINTLE HOOKS

Rigid Mounted.....7-4
 Spring Mounted.....7-4
 Swivel Mounted.....7-4

PIPE

Adaptor Kit.....20-37
 Adapters, Nipple Chuck.....19-131
 Assembly Tool.....19-119
 Bands, Welding.....19-55
 Bender.....19-35
 Beveler.....19-52, 19-131
 Carrier.....13-14
 Carts.....19-51
 Chain Clamps.....19-53
 Clamps.....19-52-53, 19-106, 19-208
 Collars, Fire Stop.....28-13-15, 28-20
 Cutters.....19-117-118, 19-120
 Cutting Machines.....19-52, 19-133-134
 Cutting Wheels.....19-137
 Die Heads.....19-120, 19-122, 19-128, 19-130
 Dies.....22-38-39
 Dies, Machine.....19-122, 19-124, 19-127-130
 Extractors.....19-120
 Flange Gasketing.....24-39-40
 Freezing Tool.....19-140
 Grabs.....12-3
 Handling Sling.....8-8
 Hole Cutters.....19-133-134
 Hook.....14-15
 How To Measure.....24-15
 Lathes.....19-52
 Lifting Clamp.....12-6
 Nipple Chucks.....19-131
 Pressure Testing Pumps.....19-140

PVC Cement.....24-29
 Rack.....15-34, 19-51
 Reamers.....19-119
 Roll Groover.....19-131-132
 Soil, Assembly Tools.....19-119
 Strap Wrenches.....19-117, 19-120
 Tapping Tools.....19-143-144
 Taps.....19-120, 22-36
 Teflon Tape.....24-29, 24-69
 Thawing Tools.....19-140
 Threaders, Manual.....19-121
 Threaders, Powered.....19-123-130
 Vises.....19-128
 Wraps, Fire Stop.....28-13-15
 Wrenches.....19-116-117, 19-120, 19-209

PIPE HANGERS

Anchors.....26-1, 26-11
 Beam Clamp.....26-74-75, 26-89
 Clamps - Cady.....26-70-72, 26-74-75
 Hangermate System.....26-1
 Straps.....26-70-72

PIPE THREAD

Paste.....24-28
 Repair Kits.....24-38
 Tape.....24-29, 24-69

PIT AND SHAFT

Nets.....16-17

PIVOT-IN-PLACE

Ladders.....18-3
 Planer.....20-21

PLANKS, SCAFFOLDING

Aluminum.....18-9, 18-11, 18-14, 18-17
 Decorator.....18-9, 18-14
 Extension.....18-11
 Guard Rail.....18-9, 18-12, 18-14, 18-16
 Scaffolding.....18-9, 18-11, 18-14, 18-17
 Stage.....18-9, 18-11, 18-14
 Toeboard.....18-14, 18-16-17
 Wood.....18-11, 18-16-17
 Plasma Cutter.....30-7

PLASTER

Hoe.....19-170

PLASTIC

Anchors.....26-6-7, 26-13
 Box Trucks.....15-24
 Bucket.....19-27
 Chain.....6-22
 Chain Attachments.....6-22
 Chain Size/Load Limit.....6-22
 Clamps.....19-213
 Cleaner.....24-31, 24-47
 Cutters Pipe.....19-120, 19-136
 Cutting Pliers.....19-11, 19-63
 Deburring, Pipe.....19-120, 19-140
 Hose Clamps.....24-59
 Mallets.....19-28
 Reamer, Pipe.....19-119
 Sheeting.....28-5
 Threading Dies, Pipe.....19-122
 Tubing Cutters.....19-121

PLASTIC/STUCCO

Holesaw.....22-34

PLATE LIFTING CLAMPS

Drag.....12-2
 Horizontal Plate.....12-4-5, 12-8
 Locking Lifting.....12-2-4
 Non-Marring.....12-1, 12-7
 Pile Pitching.....12-9
 Pile Pulling.....12-9
 Roller Toe Horizontal.....12-8
 Screw Clamp Cam Lifting.....12-2, 12-9
 Standard Grip Lifting.....12-1-2, 12-5-7
 Plate Lifting Ring.....4-30

PLATFORM

Ladder.....18-6, 18-8, 18-10
 Lifts.....18-3-4
 Rolling Work.....18-12, 18-16
 Truck.....15-23

PLIERS

Alligator.....19-208, 19-212
 Bell System.....19-62
 Cable Cutter.....19-10
 Channellock.....19-9-10
 Concretor.....19-10
 Conduit Locknut & Reaming Pliers.....19-63
 Connector, Crimping.....19-59
 Cutting Nipper.....19-11, 19-58
 Diagonal.....19-55-57, 19-59, 19-72
 Duckbill.....19-57
 End Cutter.....19-11, 19-58
 Flat Nose.....19-60, 19-211
 Gripping.....19-212
 High Leverage.....19-71
 Holders.....19-78-79
 Hose Clamp.....19-60
 Insulated.....19-71-72
 Ironworkers.....19-55
 Linesmen Pliers.....19-54-55
 Locking.....19-1
 Long Nose.....19-9, 19-57-59, 19-72
 Midget.....19-58
 Multipurpose.....19-27
 Needle Nose.....19-58
 Nipper.....19-11, 19-58
 Nut Buster.....19-9
 Pinch Off.....19-1
 Plastic Cutting.....19-60
 Pump Pliers.....19-60, 19-72
 Sheet Metal.....19-1
 Short Nose.....19-59
 Side Cutting.....19-54-55, 19-72
 Skinner.....19-62-63
 Slip Joint.....19-10, 19-60
 Snap Ring.....19-60
 Telephone System.....19-59
 Tongue and Groove.....19-9
 Vise Grip.....19-1
 Welding Clamp.....19-1
 Wire Cutting.....19-10

Master Index

PLOW

Bolts26-25

PLUMB BOBS19-24

PNEUMATIC

Air Chain Hoist10-21-24

Air Motor Jacks15-11

Air Movers20-70

Air Winches11-3, 11-11-13

Air/Hydraulic Jack.....14-23

Angle Grinder20-13, 20-65-66, 20-72

Chipping Hammer20-10

Clay Digger.....20-9

Concrete Cutting Saw30-4

Cut-Off Saw20-11

Demolition Tool.....20-8-9

Die Grinders.....20-13, 20-65-66

Drills20-14, 20-65

Fastening Systems.....26-15

Fitting.....27-4-8

Hacksaw20-35

Hose27-1

Impact Wrenches20-1, 20-11-12

20-68, 20-71

Jigsaw20-68

Manipulators.....15-7-8

Needle Scaler20-10, 20-14,

20-66, 20-72-73, 20-79

Nibbler.....20-46

Panel Saw20-47

Pavement Breakers20-4, 20-8-9, 20-55

PEENING

Tools20-71

PUMPS

Ratchet Wrenches.....20-12

Reciprocating Saw20-65, 20-68

Rivet Buster.....20-9

Rock Drills20-9

Rotary Hammers20-10

Sandblasters20-15

Scabblers (Floor).....20-74

Scaler (Floor).....20-72

Screwdrivers20-15, 20-66-67

Shears20-45-47

Tampers20-11

Tool Balancers.....20-16

Tool Steel22-31-33

Tool Steel21-1, 21-13-17, 22-31-33

Torque Wrench20-15

Vacuum20-73

Vacuum19-109, 20-73

Vacuum Lifters.....13-16-18

Weld Flux Chippers20-10, 20-14, 20-66

Zip Gun20-14, 20-65

POINTING

Trowels19-94

POLE

Grip18-11

Lash18-11

Pike Poles28-3

PRUNER (GAS)20-67

POLYETHYLENE

Film.....28-5

Sheeting28-5

Tarps.....28-9

POLISHERS20-8, 20-58

POLISHING SET, FELT20-34

POLYESTER

Round Sling.....8-13

Round Sling Inspection8-4

Round Sling Operation.....8-5

Web Slings8-6-9

POLYETHYLENE

Stretch Film24-68

PORTABLE DRILLS, MAGNETIC20-36

PORTABLE DRILLS, MAGNETIC

Cutters/ Accessories20-36-37

Portable Vac-Pad™20-36

POSITIVE GRIP

Wire Rope Assemblies/Fittings3-8-12

POST

Bases, Strut.....26-86-87

Delineator.....17-34

Drivers, Fence.....17-38

Fence17-38

POST HOLE

Diggers19-170

POUCHES

Apron.....19-27, 19-77

Belted.....19-27, 19-77

Nail/Screws & Tool19-77

Tool.....19-27, 19-75-77

Utility.....19-76-79

POWER

Brushes21-2-13

Brushes Applications21-2-3

Converters29-8

Strip29-8

Tools20-1-74

POWER BLOCK

Circuit Analyzer29-8

Four-Way.....29-2

Ground Fault Circuit Interrupter (GFCI).....29-8

Power Indicator Light.....29-1, 29-8

Three Way.....29-2, 29-8

POWER CORDS

Adapter.....29-2-3

All Weather29-1, 29-8

Bulk29-6

Circuit Analyzer29-8

Colored.....29-1

Extreme Conditions.....29-6-7

Female Connector Replacement29-3

Four-Way Power Block.....29-2

GFCI.....29-2-3, 29-8

Lamp29-5

Locking Cords29-2, 29-8

Male Plug Replacement.....29-3

Multiple Outlet.....29-2, 29-8

Power Block29-2, 29-8

Power Indicator Light.....29-1, 29-8

Power Strip29-8

Replacement Ends.....29-3

Surge Protector29-8

Tri-Source Power Block.....29-2, 29-8

Twist Lock Cord29-2, 29-8

POWER TOOL

Auger Bits19-38-39

Bags19-27

Project Center19-178

POWDER FASTENING SYSTEMS

Acoustical26-20

Autofast26-19

Autofast Discs and Pins26-20

Drywall.....26-20

Electrical Contractor.....26-20

Extension Poles.....26-21

General Contractor/Framer26-20

Loads26-16, 26-22

Metal Decking.....26-16

Pins26-16, 26-21-22

Remodeling26-20

PRESSES, HYDRAULIC

Bench14-28

C Frame14-29

Economy14-29

Floor14-28-29

Heavy Duty14-30

Open Throat14-29

Roll-Bed Press14-31

PRESSURE

Gauge, Hydraulic.....14-16

Reducing Valve14-19

Relief Valve14-20

PRESSURE ADHESIVE

Disc Backing Pads23-52

Discs23-43, 23-51

PRESSURE WASHER

Brush30-9

Coldwater30-8

Hose30-9

Hose.....27-2, 30-9

Hot water30-9

Injector, Detergent.....30-9

Injector, Sand30-9

Nozzles, Rotating30-9

Wand30-9

PROOF

Coil (Grade 30) Chain6-18

PROPANE

Cylinders31-4

Solder/Brazing Kit.....31-2-3

Torches.....31-2-4

PROPANE HEATERS

Convection30-17

Forced Air.....30-16-17

Infrared30-18

Radiant30-18

PROTECTOR

- Corner, Twin-Path®.....8-14
- Corner7-5
- Surge.....29-8
- Web.....7-5

PROTRACTOR

- Magnetic.....19-24

PRUNER

- Anvil.....19-175
- Bypass.....19-175
- Pole, Gas.....20-68
- Saw.....19-3, 19-29, 19-175
- Stick.....19-29
- Tree.....19-29, 19-175

PRUSSIAN BLUE INK.....24-38

PRY BAR.....19-7, 19-103-104

PULLERS

- Adapter.....14-35
- Bearing.....14-31-34, 19-115
- Bearing Splitter.....14-35
- Cable.....19-43-44
- Form Pin.....13-15
- Gear.....14-31-34, 19-115
- Grip-Hoist Winch Hoist.....10-26
- Grip-O-Matic.....14-33
- Hand Chain Pullers.....10-4-6
- Hot Stick Hoist (Livewire Puller).....10-25
- Hydra Grip-O-Matic.....14-31, 14-33
- Hydraulic, Bearing.....19-116
- Internal Pulling.....14-35
- Jaw Type.....14-32
- Lever.....10-3-6
- Lug-All Winch Hoist.....10-24
- Manual.....19-115
- Maasdam - Pow'R-Pulls.....10-24
- Nail.....19-6
- Pallet.....15-23
- Push.....14-34
- Rope Pullers.....10-25
- Sets, Manual/Hydraulic.....14-34
- Straightening Tool.....14-31
- Super Grip-O-Matic Jaw Type.....14-32
- Universal.....14-32
- V-Belt Pulley Attachment.....14-35
- Web Strap Pullers.....10-25
- Wire Rope Winch-Hoists.....10-23-25
- Wyeth-Scott Co. -
The More Power Puller®.....10-25

PULLEY

- Fixed Eye.....5-9
- Rescue.....16-15
- Solid Eye.....25-7
- Swivel Eye.....25-7
- Swivel Eye.....5-9, 25-7
- Swivel Hook.....5-9
- Trolley.....16-16

PULLING

- Cable Connectors.....19-46, 19-87-93
- Cable Lubricant.....19-45
- Flexible Mandrel Cable.....19-46
- Grips, Cable.....19-85

- Grips, Wire.....19-87-93
- Lube Swab, Cable.....19-45
- Rope, Cable.....19-44
- Rope, Clevis.....19-46

PUMP

- Pliers.....19-60

PUMPS

- Bearing Packer.....24-4
- Bucket.....24-3-7
- Dispenser.....24-4
- Drum.....15-27
- Drum Dispensing.....15-27
- Drum Vacuum.....19-109
- Effluent.....30-6
- Grease.....24-3-7
- Hydraulic.....14-9-14, 14-20
- Loader.....24-4-7
- Pipe Pressure Testing.....19-140
- Pneumatic.....20-12
- Rotary Transfer.....15-27
- Septic Tank.....30-6
- Submersible.....30-6, 30-21
- Sump.....30-6
- Transfer.....24-4-5, 24-52, 30-21
- Utility.....30-21
- Vacuum.....19-109

PUNCH

- Back Out.....19-8
- Center.....19-28, 19-98
- Hand Guarded.....19-100
- Holders.....19-28
- Hole.....19-36-38
- Hole, Electric.....20-41-42
- Kits, Hand.....19-100-101
- Knock Out.....19-36-38
- Line-up.....19-99
- Metal Stud.....19-38
- Nail Set.....19-99
- Pilot Punch.....19-101
- Pin.....19-99, 19-101
- Plug.....19-8
- Prick.....19-98
- Solid.....19-98, 19-101
- Tie.....19-8
- Track.....19-8

PUNCHES

- Hydraulic.....14-28
- Metal Working.....21-17

PUSH

- Puller.....14-34

PUTTY

- Aluminum.....24-32
- Fire Stop.....28-11-12
- Stainless.....24-32
- Steel.....24-32-33
- 2000 Degrees.....24-38
- Urethane.....24-33
- Wear Resistant.....24-33

PVC

- Bender.....19-36

- Cutters.....19-74, 19-121, 19-136
- Discharge Hose.....27-2
- Gloves.....17-13
- Hand Saw.....22-16
- Pipe Cement.....24-29

PYROMETER.....19-111

Q

QUARTZ

- Lights.....29-5

QUICK

- Disconnect Fitting.....27-5-8

QUICK LINKS

- Delta Shaped.....25-5, 25-7
- Pear Shaped.....25-5, 25-7
- Plated.....25-7
- Plated.....6-19, 25-7
- Square Shaped.....25-5, 25-7
- Stainless.....25-5
- Wide Jaw.....25-5, 25-7

R

RACK GUARD

- Nets.....16-18

RACKS

- Bin.....15-37
- Bulk Storage.....15-33-34
- Conduit and Pipe Storage.....19-51
- Die.....15-40
- Pallet.....15-32-33

REEL.....15-34

RADIANT

- Heaters.....30-18

RADIATOR

- Cleaner.....24-31

RADIO/CHARGER.....20-21

RADIOS

- Accessories.....28-4-5
- Two-Way.....28-4

RADIUS

- Gauge.....19-31

RAGS

- Non-Lint.....28-9
- Wiping.....28-9

RAIL

- Guard.....15-44
- Lifting Clamp.....12-5, 12-9
- Tongs.....13-14
- Wear Sleeves.....18-11

RAINSUITS.....17-17-18

RAKES

- Asphalt Lute.....19-172
- Asphalt/Tar.....19-174
- Bow.....19-172

Master Index

Concrete.....	19-172	Chalk Line	19-57	Lifting, Street Plate	4-31
Handles	19-122-124	Drywall Tape	19-97	Lifting, Welding	4-11
Landscape.....	19-172	Electric Cord.....	27-19-20	Retaining	24-58
Lawn.....	19-173	Hose.....	24-7	RINGS	
Leaf.....	19-172	Light.....	29-3-4	Dee Rings.....	25-8
Level Head.....	19-173	Line.....	19-24	Hitch Rings.....	25-10
Road/Stone.....	19-173	Power Fishing.....	19-44	Round.....	25-7-8
RAMS, HYDRAULICS		Rack.....	15-34	Screw Ring.....	25-8
Aluminum - Single Acting	14-9	Rollers.....	19-47	Split Key Rings.....	25-8
Center Hole - Double Acting	14-7	Stands.....	19-47	RINGS, HOIST	
Center Hole - Single Acting.....	14-6	Tie Wire.....	28-2	Applications.....	4-26
Couplers.....	14-16	REEVING AND RIGHT		Forged (Pivoting, Non-Rotating)	4-26
Double Acting.....	14-7-8	Angle Reeving.....	5-3	Inspection/Maintenance	4-26
General Purpose - Single Acting.....	14-3	REGULATORS		Large Opening.....	4-29
General Purpose Series		Air Hose.....	27-9	Metric.....	4-28-29
“C” Accessories.....	14-4	Welding Gas.....	31-8, 31-10-11	Rectangular Plate.....	4-30
Low Profile Single Acting	14-5	REMOVER		Round Base.....	4-30
Ram and Pump Sets.....	14-20	Graffiti.....	24-19	Side Load.....	4-28
Shorty Cylinders	14-5	Paint.....	24-19	Side Pull.....	4-29
Shorty Cylinders Accessories.....	14-6	Repellent, Insect.....	17-22	Speed Base.....	4-31
RATCHET		RESCUE		RINGS, HOIST <i>continued</i>	
Binder.....	7-1	Devices.....	16-14	Stainless Steel.....	4-29
Box Wrench.....	19-182-183	Pulleys.....	16-15	Swivel and Pivoting	4-28-31
Jack.....	15-10	Ropes.....	9-8	UNC Threads	4-28-29
Tie-down Straps	7-6-7	RESIN		RINSE	
Turnbuckles.....	7-2-3	Spelter Socket.....	3-2	Tank.....	15-27
Wrench, Pneumatic.....	20-14, 20-64	RESPIRATORY PROTECTION		RIPPING	
REAMERS		Disposable.....	17-12	Bar.....	19-83-84
Conduit.....	19-76	Half Mask.....	17-12	RIVET	
Hand.....	22-35	Multigas/Vapor.....	17-12	Buster Tool Steel	21-16-17
Pipe.....	19-119	Organic Vapors.....	17-12	Busters.....	20-10
Plastic Pipe.....	19-129	Paints/Pesticide.....	17-12	Gun.....	19-9-10
Tubing.....	19-139	Particulates.....	17-12	ROAD	
REAMING		Replacement Cartridges.....	17-12	Construction Signs	17-35
Pliers.....	19-76	RESTORERS		ROADSIDE EMERGENCY	
Screwdriver	19-76	Thread.....	19-106-107	Safety Kit.....	17-37
REBAR		RETAINING		ROCK	
Benders.....	19-86	Compound.....	24-41	Bits.....	21-15
Cutter.....	22-33	Rings.....	24-58	Drills.....	20-10
Hickey.....	19-83	RETRACTABLE		Drill Steel.....	21-15
Hook Anchors.....	16-10	Lanyards.....	16-8	ROD	
Pliers.....	19-58	Lifelines.....	16-8-9	Brazing.....	31-4
Protective Caps.....	17-37	RETRIEVAL SYSTEMS	16-13-14	Drill.....	24-64-65
Shears.....	19-86	REVERSE EYE		Rack.....	15-34
Threading Dies.....	19-138	Lifting Sling.....	8-6	Soldering.....	31-4
Tools.....	19-86	RIGGER GUIDELINE TO A LIFT		Tig.....	31-12
Wire Ties.....	28-2	Care of Wire Rope Slings	2-3	Welding.....	31-4, 31-12
RECHARGEABLE		Check List to Lift.....	2-3	ROD, THREADED	
Flashlights.....	17-25-26	Inspection.....	2-3	Aluminum.....	26-65
Lantern.....	17-25-26	Planning a Lift.....	2-4-5	B-7.....	26-65
RECIPROCATING		Turning or Repositioning to Load.....	2-5	Brass.....	26-65
Blades.....	22-12-13, 22-20-21, 22-25-26	RIGGING CONNECTORS		Coupling Nuts.....	26-42
Saw, Cordless.....	20-20	Link, Stainless Steel.....	4-38	Coupling Nuts.....	4-36, 26-42
Saw, Electric.....	20-25, 20-55	Shackle Sling Saver®.....	4-9-10	Left-Handed.....	26-64
Saw, Pneumatic.....	20-65	RING		Metric.....	26-64
RED WARNING CORE		Housing.....	24-58	Nylon.....	26-65
Web Slings.....	8-1	Lashing.....	7-5	Stainless Steel.....	26-64-65
REEL		Lifting, Alloy.....	4-10-11	Steel.....	26-64
Air/Water/Petroleum Hose.....	27-7, 27-18-19			Studs (B-7).....	26-65
Caddies.....	19-46-47				

ROLL
 Grooving, Pipe.....19-131-132
 Pins.....24-58, 24-60

ROLLERS
 Machinery.....15-14-19
 Pry Truck.....15-22
 Reel.....19-47

ROLLING LADDERS.....18-1-3

ROLLS, ABRASIVES
 Aluminum Oxide.....23-2, 23-28-29
 Cartridge.....23-23-24
 Crocus Cloth.....23-2
 Emery Cloth.....23-2
 Handy.....23-28
 Plumbers.....23-29
 Production Cloth.....23-2, 23-29
 Sand Screen.....23-31
 Shop.....23-29
 Silicone Carbide.....23-29, 23-31
 Surface Conditioning.....23-1-2, 23-32

ROOF
 Brush.....24-23
 Containment Nets.....16-17
 Hook, Ladder.....18-11

ROOFERS
 Shovels.....19-168

ROOFING FALL PROTECTION
 Anchor Kits.....16-12
 Anchor Points.....16-14-15
 Systems.....16-11

ROPE
 Blue Water Plus.....9-7
 Cable Pulling.....19-43-44
 Calculating Drum Storage.....9-2
 Calculating Storage.....9-2
 Care & Handling.....9-1
 Composite.....19-43
 Conditions of Use.....9-1
 Cotton.....9-3
 Diamond Braid.....9-6
 Double Braid.....9-5
 Fiber.....9-2-6
 Grabs.....16-9
 Hollow/Single Braids.....9-6
 Manila.....9-4
 Multiplex.....19-44
 Nylon.....9-2-3, 9-5
 Paper Carrier.....9-8
 Polyester.....9-2-3, 9-5-6
 Polyethylene.....9-2, 9-6
 Polypropylene.....9-2, 9-4, 9-6
 Rescue.....9-7
 Sash Braid.....9-5
 Selection Guide.....9-2-3
 Sisal.....9-4
 Solid Braid Ropes.....9-4-5
 Specifications and Technical Data.....9-2
 Stands.....19-44
 Surveyors.....19-53
 Swivels.....19-46

Terminology.....9-1
 Tree Climb.....9-7
 Twisted.....9-4
 Unmanilatm.....9-4
 Wire.....1-1-20
 Wire Center.....9-7

ROSEBUD
 Heating Tips.....31-7

ROTARY
 Cutter.....20-6, 20-63
 Hammer Steel.....22-31-33
 Hammer Steel.....21-16, 22-31-33
 Hammer, Cordless.....20-1
 Hammer, Electric.....20-3-4, 20-23,
 20-47, 20-51-52
 Hammer, Pneumatic.....20-11
 Hammer, SDS Max Shank.....20-3-4,
 20-24, 20-52
 Hammer, SDS Plus Shank.....20-3, 20-23-24,
 20-47, 20-51-52
 Hammer, Spline Shank.....20-4

ROTARY HAMMER STEEL
 Asphalt Cutter.....22-32
 Bull Point.....22-32
 Bushing Tools.....22-33
 Clay Spades.....22-32
 Cold Chisels.....22-33
 Core Bits (Carbide).....22-32
 Ground Rod Driver.....22-33
 Hammering Tools.....22-32-33
 Moil Point.....22-32
 Mortar Chisel.....22-33
 Rebar Cutters.....22-33
 Scaling Chisel.....22-32
 Screw Type Drill (Tapcon®).....22-32
 SDS+ Adaptors.....22-31
 SDS+ Drills.....22-31
 SDS-Max Adaptors.....22-31
 SDS-Max Drills.....22-31
 Slotting Chisel.....22-32
 Spline.....22-31
 Straight Shank.....22-32
 Tanged (Tapcon®).....22-32
 Tapcon® (Screw-Type).....22-32

ROTATING
 Lights.....17-27-28

ROTATION
 Resistant Wire Rope.....1-11

ROUST-A-BOUT.....15-8

ROUTER
 Bits.....22-3-4
 Tool.....20-57

RUBBER
 Coating.....24-32
 Gloves.....17-13
 Mallets.....19-26, 19-28
 Straps.....7-6, 28-9

RUBS
 Brick.....19-98, 23-37, 23-51

RULES
 Depth Gauge.....19-53
 Folding.....19-11-12
 Machinist.....19-29-30
 Stainless.....19-29-30
 Steel.....19-29-30
 Tapes.....19-10-11, 19-24, 19-163-165

RUST
 Inhibitors.....24-19-21, 24-32,
 24-35-36, 24-51, 24-69

S

S-HOOKS.....25-10, 25-13

SAFETY
 Cabinet Organizer.....15-28
 Can Storage Cabinet.....15-29
 Cans.....15-26-27
 Chain.....6-20
 Clips, Air Fittings.....27-5
 Fence.....17-38
 Hose Whipcheck.....27-5
 Latch Kits, Hooks.....19-208
 Latch Kits, Hooks.....4-15-16, 19-208
 Netting.....16-17-18
 Pins, Air Fittings.....27-5

SAFETY NETTING
 Bridge Systems.....16-18
 Cargo.....16-18
 Ceiling and Roof Containment.....16-17
 Combo.....16-17
 Debris.....16-17-18
 Overhead Protection.....16-18
 Perimeter Debris.....16-17
 Pit and Shaft Protection.....16-17
 Rack Guard Systems.....16-18
 Specialty.....16-17
 Wire Rope.....16-18
 Sammy Screws (Hangermate).....26-1

SAND
 Bags.....17-35
 Fence.....17-38
 Injector.....30-9

SANDBLAST
 Blasting Material.....20-17
 Cabinets.....20-16-17
 Deadman Devices.....29-7
 Hose.....27-2
 Kit.....20-16
 Lights.....29-6-7
 Pots.....20-15
 Protective Wear.....17-16

SANDER
 Angle, Electric.....20-5, 20-58
 Angle, Pneumatic.....20-15, 20-64
 Belts.....20-8
 Detail (Triangle).....20-31-33, 20-60
 Drywall.....19-96
 Hand.....19-96
 Orbit.....20-8, 20-15, 20-57

Master Index

SANDER *continued...*

Pad	20-33-34
Pole	19-96
Sheet Palm	20-57
Sponge	19-96

SANDING

Blocks	19-176
--------------	--------

SANDPAPER

.....	23-2, 23-29-31
-------	----------------

SASH

Chain	6-20
Cord.....	9-5

SAW

Bandsaw	20-27-28, 20-43, 20-55, 20-62
Bandsaw Kit	20-28
Blades	20-33
Block.....	30-10
Bow	19-3, 19-30
Chain.....	20-66-67
Chain, Diamond.....	30-5
Chop	20-27
Circular, Cordless.....	20-17
Circular, Electric.....	20-7, 20-25, 20-42, 20-53
Close Quarter.....	22-16
Concrete Cutting	30-2-5
Coping	19-2
Cut-Off, Electric.....	20-7, 20-25, 20-42, 20-56
Cut-Off, Gas	20-69
Cut-Off, Pneumatic.....	20-12
Cut-Off-Mitering.....	20-29-32
Dove Tail.....	19-2
Floor	30-2-3
Folding.....	19-29
Hacksaw	19-73, 20-35, 22-15
Hydraulic Concrete Cutter.....	30-4-5
Jig.....	20-7, 20-25, 20-27, 20-54
Masonry/Paver	30-4
Metal Cutting	19-133, 30-14
Miter	20-8, 20-24, 20-29-32, 20-53-54
Panel.....	20-45-46, 20-54
Pneumatic "Quickie".....	30-4
PVC/ABS Plastic	22-16
Reciprocating, Pneumatic	20-65
Reciprocating, Cordless	20-20
Reciprocating, Electric	20-25, 20-55
Sawzall	20-55
Table.....	20-21
Tile Cutter.....	20-43
Trifold.....	22-15
Walk Behind	30-2-3
Wall Board	19-97
Worm Drive	20-56

SAW

Bandsaw	20-27-28, 20-43, 20-55, 20-62
Bandsaw Kit	20-28
Blades	20-33
Block.....	30-10
Bow	19-3, 19-30
Chain.....	20-66-67
Chain, Diamond.....	30-5
Chop	20-27
Circular, Cordless.....	20-17
Circular, Electric.....	20-7, 20-25, 20-42, 20-53
Close Quarter.....	22-16
Concrete Cutting	30-2-5
Coping	19-2
Cut-Off, Electric.....	20-7, 20-25, 20-42, 20-56
Cut-Off, Gas	20-69
Cut-Off, Pneumatic.....	20-12
Cut-Off-Mitering.....	20-29-32
Dove Tail.....	19-2
Floor	30-2-3
Folding.....	19-29
Hacksaw	19-73, 20-35, 22-15
Hydraulic Concrete Cutter.....	30-4-5
Jig.....	20-7, 20-25, 20-27, 20-54
Masonry/Paver	30-4
Metal Cutting	19-133, 30-14
Miter	20-8, 20-24, 20-29-32, 20-53-54
Panel.....	20-45-46, 20-54
Pneumatic "Quickie".....	30-4
PVC/ABS Plastic	22-16
Reciprocating, Pneumatic	20-65
Reciprocating, Cordless	20-20
Reciprocating, Electric	20-25, 20-55
Sawzall	20-55
Table.....	20-21
Tile Cutter.....	20-43
Trifold.....	22-15
Walk Behind	30-2-3
Wall Board	19-97
Worm Drive	20-56

SAW BLADES

Band Saw	22-19, 22-22-24
Combination-Carbide	22-29, 22-36
Deck - Carbide	22-29
Diamond	22-4-10
Emergency	22-30
Finishing - Carbide	22-29
Framing - Carbide	22-30
General Purpose - Carbide	22-29
Hacksaw Hand	22-15, 22-20
Hacksaw Power	22-19-20
Jigsaw	22-14-15, 22-20-21, 22-25-26
Miter Box Saw	22-30
Nail Cutting.....	22-30
Non-Ferrous.....	22-30, 22-36
Plastic/Hardwoods Cutting	22-36
Plastic Cutting	22-31
Precision Finishing - Carbide	22-29
Radial Arm Saw.....	22-30
Reciprocating Saw	22-12-13, 22-20-21, 22-25-26
Rip	22-30
Roofer's Special	22-30
Sawzall Blades	22-12-13, 22-20-21, 22-25-26
Steel Cutting	22-12-13, 22-20-21, 22-25-26, 22-37
Table.....	22-30

SAWS, HOLE

Arbors / Adapters.....	22-17, 22-24, 22-34
Bi-Metal.....	22-16, 22-24-25
Brazed Carbide	22-33-34
Carbide Tipped.....	22-18, 22-25
Diamond (Masonry).....	22-11
Kits.....	22-17, 22-24-25
Metal Cutting	22-33-34
Plastic/Stucco	22-34
"Tub, Tile & Spa"	22-34
Tungsten Carbide Grit.....	22-18, 22-26
Wood/Fiberglass	22-34
Sawzall	20-17-18, 20-22, 20-57
Sawzall Blades.....	22-12-13, 22-20-21, 22-24-25

SCABBLER

Floor	20-73
Long Reach	20-74

SCAFFOLDING

Baker.....	18-12, 18-15-16
Base Section	18-15-16
Decking	18-11, 18-16-17
Guardrail.....	18-9, 18-12, 18-14, 18-16
Outriggers	18-12, 18-16, 18-19
Planking	18-9, 18-11, 18-14, 18-17
Sections.....	18-15-16
Stages	18-9, 18-14
Stairways.....	18-16
Toe Board	18-12, 18-14, 18-16-17

SCAFFOLDING, POWERED

Accessories	18-19
Corner Unit.....	18-18
Cornice Hooks.....	18-19
Counter Weights.....	18-19
Guard Rail Support	18-19
I-Beam Assembly.....	18-19
Outriggers, Rolling.....	18-19
Roller Bumpers.....	18-19
Speed Winder.....	18-19
Window Washers Set Up.....	18-18
Work Cages.....	18-18

SCALER

Chisel	20-16, 20-74
Floor.....	20-72-73
Long Reach	20-74
Needle	20-12, 20-16, 20-65

SCRAPER

Blade	20-33
-------------	-------

SCISSOR

Electricians.....	19-61
Holder.....	19-78
Lift Platform	18-3
Plastic/PVC Cutter	19-121, 19-136

SCOOP

Shovels	19-168-169
Aluminum	19-168
Poly	19-167
Steel	19-168-169

SCOTCH-BRITE

Belts	23-8, 23-33
EXL Wheels	23-4, 23-9-12
Pads.....	23-1-2, 23-31-32
Quick Change Discs	23-4-5, 23-32-33
Stars	23-12
Velcro Discs	23-5-6, 23-33

SCRAPERS

Bar	19-6
Barn.....	19-6
Carbon.....	19-99
Concrete.....	19-169
Gaskets	19-204
Ice.....	19-169
Lawn.....	19-169
Paint	19-175
Roofing.....	19-169
Sidewalk.....	19-169
Siding	19-169
Wallpaper	19-175

SCRATCH

Awl.....	19-70
----------	-------

SCREW

Extractor.....	19-141
Eyes	25-9, 25-12
Pitch Gauge.....	19-30
Screw and Wire Gauge.....	19-31

SCREW HOOKS

Lag Screw Threads.....	25-9, 25-13
Machine Screws.....	25-9, 25-13
Round End	25-12
Square Bend	25-12

SCREW SHOOTING

System	20-59, 26-16-17
--------------	-----------------

SCREWDRIVERS

Adjustable Clutch, Electric	20-56
Bit Holder.....	21-24
Cabinet Tip.....	19-66, 19-68, 19-72
Clutch Bits	21-23
Conduit Fitting/Reaming	19-68, 19-76
Cordless	20-21
Crank Action Handle	19-69

SCREWDRIVERS *continued...*

Cushion Grip19-66-67, 19-69-70, 19-72-73
 Electric20-18-19, 20-58-59, 20-63
 Electricians19-212-213
 Electronics19-213
 5 In 119-71
 Female Square Drive Torx Bits21-21
 Frearson21-23
 General Information.....21-18
 Holders19-79
 Insert Bits21-18-24
 Insulated19-72-73
 Jewelers19-32
 Magnetic.....19-71
 Nutsetter.....21-24
 Oversized Handle.....19-70-71
 Phillips.....19-66-68, 19-73
 Phillips Bit.....21-18-19
 Pneumatic.....20-70
 Pocket Clip19-68
 Power Bits21-19-23
 Power Nutsetter.....21-24
 Pozidriv Bits.....21-21
 Ratcheting19-69, 19-71
 Reversible Blade19-71
 Robertson Bits.....21-22
 Screw-Holding.....19-72, 19-213
 Sets19-67
 Slotted19-66-69
 Slotted Bits21-19-20
 Socket Head Bits.....21-21-22
 Socket Head Tamper Resistant Bits.....21-22
 Spanner Bits21-22
 Square Recess Bits.....21-22
 Square Recessed Tip19-66-67, 19-73
 Stubby19-70-71
 10 In 119-68
 Torq-Set Bits.....21-23
 Torque20-18
 Torx Bits.....21-20
 Torx Tamper Resistant.....21-20
 Torx Tip.....19-67
 Torxalign (Wedge).....21-21
 Tri-Wing.....21-23

SCREWS

Acoustical26-1
 Aluminum26-54
 Brass26-53-54
 Cap, Hex Head26-23, 26-44-45, 26-51, 26-53-56, 26-60-61
 Concrete.....26-1, 26-12
 Deck.....26-2, 26-3
 Drive26-37
 Drywall26-3-4, 26-39
 Flooring26-38
 Hangermate.....26-1
 Hex Head Cap26-23, 26-44-45, 26-51, 26-53-56, 26-60-61
 Self Drilling Screws26-2-3
 Set, Socket.....26-28-29, 26-49, 26-58-59, 26-62
 Set, Square Head26-31, 26-50

Sheet Metal.....26-36-37, 26-47-48
 Shouldered26-29, 26-50, 26-59
 Socket Cap26-26-27, 26-48, 26-51-52, 26-57, 26-61
 Socket Cap, Button Head.....26-27, 26-48-49, 26-57-58, 26-61
 Socket Cap, Flat Head.....26-27, 26-49, 26-58, 26-62
 Socket Cap, Low Head.....26-28, 26-58, 26-61
 Socket Cap, Shoulder.....26-29, 26-50, 26-59
 Socket Pipe Plug.....26-29, 26-50
 Speed Tip26-39
 Stainless.....26-44-52, 26-61-63
 Steel26-23-39
 Structural26-23-24
 Tapcon26-12
 Thread Cutting26-37-38
 Thread Rolling.....26-39
 Threaded Rod Hanging.....26-1, 26-12
 Thumb26-39
 Wood Screws.....26-35-36, 26-47, 26-54

SCREWGUN

Drywall.....20-2
 High Torque.....20-2

SCRIBER

.....19-28

SDS+ ADAPTORS

.....22-31

SDS+ DRILLS

.....22-31

SDSMAX ADAPTORS

.....22-31

SDSMAX DRILLS

.....22-31

SEALANTS

Adhesives.....24-34, 24-46
 Anaerobic24-39
 Anti-Seize24-35-36
 Caulk28-5
 Caulk24-47
 Concrete and Masonry.....28-5
 Fire Stop.....28-10-12, 28-19-20
 Flange24-39-40
 Foam24-67
 Gasket.....24-34, 24-39-40
 High Temperature24-34, 24-45
 Pipe Flange24-39-40
 Pipe Joint.....24-29
 Pipe Tape24-29
 Rubber.....24-32
 Silicone.....24-34, 24-40, 24-47, 28-5, 28-12
 Thread.....24-28, 24-45-46
 Thread Locking.....24-43-44
 Urethane.....24-38

SEAMER

Sheet Metal19-70

SECURITY

Bolts25-15
 Chain6-18
 Signs17-23

SELF TAPPING FASTENER

Driver.....20-56

SELF-FEED

Wood Boring Bits.....19-39

SEPTIC TANK PUMP30-6

SERVICE

Carts.....15-25
 Jack, Hydraulic.....14-23

SET

Screw Kit24-59
 Screws, Socket.....26-28-29, 26-49, 26-58-59, 26-62
 Screws, Square Head26-31, 26-50

SETS

Wedges19-208

SETUP

Wedges19-204

SHACKLES

Alloy Wide Body4-7
 Alloy Bolt Type4-7
 Anchor6-20
 Anchor4-4-5, 4-38-39, 6-20
 Bolt Type4-7, 4-38
 Bow, Stainless Steel4-39
 Chain4-6, 4-38
 Euro Ground Release Shackle.....4-8
 Pin Pads.....8-14
 Mining6-18
 Sheet Pile.....4-7
 Stainless Steel.....4-5, 4-38-39
 Synthetic Sling Saver Shackle4-9
 Web Sling Shackle.....4-9, 8-8

SHAFT ALIGNMENT SYSTEMS24-1

SHANK HOOKS

Basic Machining & Threading4-11
 Capacity Charts4-13
 Customing Chart4-14
 Dimensions.....4-14
 Gate.....4-17-20
 Hoist4-13-14
 Swageable.....3-4

SHARPENER

Drill Bit.....20-23, 20-48

SHEARS

Cable19-62
 Electric.....20-6, 20-43-44, 20-48, 20-59
 Grass19-173
 Hedge.....19-173
 Pneumatic20-43-44
 Rebar.....19-86
 Wire Rope, Insulated.....19-212

SHEAVES

Application/Ordering Information.....5-14
 Bronzed Bushed5-7, 5-14-16
 Cable Puller.....19-45-46
 Custom5-16
 Deck Mounted5-7
 Roller Bearing5-16
 Size & Wire Rope Strength5-3
 Stainless Steel.....4-41
 Tapered Bearing.....5-16
 Tray Type.....19-45

Master Index

SHEET METAL

Crimper.....	19-70
Custom.....	13-11
Gauge.....	19-31
Lifters, Custom.....	13-11
Lifters, Telescoping.....	13-11
Lifting Clamp.....	12-8
Notcher.....	19-70
Pliers.....	19-1
Screws.....	26-36-37, 26-47-48
Seamer.....	19-70

SHEETING

Plastic.....	28-5
--------------	------

SHEETS, ABRASIVES

Aluminum Oxide.....	23-2, 23-29-31
Drywall.....	23-31
Emery.....	23-2, 23-30
Flint Paper.....	23-30
Garnet.....	23-30
Silicone Carbide.....	23-2, 23-30-31
Surface Conditioning.....	23-2, 23-32

SHELF

Ladders.....	18-6, 18-8
--------------	------------

SHELVING

Industrial.....	15-40
-----------------	-------

SHIELDS

Face.....	17-3-4
Face, Head Gear.....	17-3

SHIM

Brass.....	24-63
Slotted.....	24-63
Steel.....	24-62

SHIPYARD

Hooks.....	4-41
------------	------

SHOCK

Cord.....	9-7
-----------	-----

SHOCK-ABSORBING

Lanyards.....	16-6-7
---------------	--------

SHOE

Covers.....	17-16
-------------	-------

SHOES

Ladder.....	18-11
Wooden Sole.....	17-16

SHOP

Desk.....	15-42
-----------	-------

SHOULDERED

Eyebolt.....	4-31-34, 4-40
Screws.....	26-29, 26-50, 26-59

SHOVELS

Coal.....	19-169
D-Handle.....	19-166-168, 19-173
Irrigation.....	16-167
Li'L Pal®.....	19-173
Little Hog®.....	19-173
Long Handle.....	19-166-167
Roofers.....	19-168
Round Point.....	19-166

Scoop.....	19-168-169
Snow.....	19-173
Spade.....	19-167
Square Point.....	19-167

SHUT-OFF

Valve Hydraulics.....	14-19
Water Connectors.....	27-15

SIDE

Chain.....	6-19
------------	------

SIGNAGE

Cargo Identification.....	17-37
Chemical & Flammable.....	17-23
Chemical/Right to Know.....	17-23
Confined Space.....	17-23
Electrical Safety.....	17-23
Exit/Fire Emergency.....	17-23
Floor.....	17-33-34
Men at Work.....	17-35
MSDS Stations.....	17-23
No Smoking.....	17-23
Oversize Load Banner.....	17-37
Parking/Traffic Control.....	17-23
Parking Signs.....	17-23
Security.....	17-23
Slipping and Tripping.....	17-23
Wide Load Banner.....	17-37
Signals, Crane Hand.....	2-6

SILICONE

Adhesives.....	24-34
Caulk.....	28-5
Fire Stop.....	28-12, 28-15
Flange Sealants.....	24-40
Foam, Firestop.....	28-15
Gasket Maker.....	24-34
Grease.....	24-35-36, 24-50
Lubricant.....	24-35-36
Mold Release.....	24-20
RTV.....	24-34, 24-40, 24-47
Sealants.....	24-34, 24-40, 24-47

SILT

Fence.....	17-38
------------	-------

SINGLE

Ladders.....	18-14
--------------	-------

SISAL

Rope.....	9-4
-----------	-----

SKATES, MACHINERY.....

.....	15-18-19
-------	----------

SKIDDING TONGS.....

.....	28-3
-------	------

SKIMMER, WATERPUMP.....

.....	27-10
-------	-------

SLAB TONGS.....

.....	13-14
-------	-------

SLEDGE

Hammers.....	19-3, 19-163
Handles.....	19-3

SLEEVE

Anchors.....	26-9, 26-11
Compression.....	3-12-13

SLIDING HOOKS

Choker.....	4-14-15
-------------	---------

Latch Type Choker.....	4-14
Logging.....	4-20
Pedro.....	4-15

SLING, CHAIN ASSEMBLIES

Adjustable Double Chain.....	6-3, 6-8
Adjustable Double Loop Chain.....	6-3, 6-9
Adjustable Single Chain.....	6-3, 6-8
Adjustable Single Loop Chain.....	6-3, 6-9
Adjust-A-Link.....	6-4
Bail-Type Magnet Chain Assemblies.....	6-4
Basket Type Chain.....	6-3, 6-9
Chain Shortener.....	6-4, 6-10
Double Chain Sling.....	6-2, 6-8
Endless Basket Chain.....	6-3, 6-9
Single Chain Sling.....	6-2, 6-8
Standard Triple Branch Magnet Chain.....	6-4
Tool Box Sling.....	6-3
Triple and Quad Chain.....	6-2, 6-8
Winchline Tail Chains.....	6-21

SLING, CHAIN ASSEMBLIES

(Stainless).....	6-15
Chain Size/Load Limit.....	6-15

SLING, CHAIN ATTACHMENTS

Clevok Cradle Grab Hook.....	6-7, 6-10
Clevok Grab Hook.....	6-5
Clevok Latchlok Hook.....	6-7
Clevok Sling Hook.....	6-7, 6-10
Cradle Grab Hook.....	6-6
Foundry Hook.....	6-6, 6-10
Grab Links.....	6-5
Hammerlock Coupling Link.....	6-4
Hook and Latch Kit.....	6-7
Identification/Serial Number Tag.....	6-4, 6-10
Large Eye Latchlok.....	6-6
Master Ring.....	6-5
Oblong Master Link.....	6-5, 6-9
Pear-Shaped Master Link.....	6-5
Plate Hook.....	6-7
"S" Hook.....	6-7
Sling Hook.....	6-6
Sub-Assembly.....	6-5, 6-9
Welding Coupling Link.....	6-5

SLINGS, CHAIN ATTACHMENTS (STAINLESS)

Clevis Grab.....	6-16
Clevis Slip.....	6-16
Connecting Link.....	6-16
Eye Hoist Hook.....	6-15
Eye Sling Hook.....	6-16
Grab Hook.....	6-16
Master Link.....	6-16
Master Link Assembly.....	6-16
Oblong Master Link.....	6-15
Pear-Shaped Link.....	6-15
Round Master Link.....	6-15
Sling Hook.....	6-16
Sub-Master Link Assembly.....	6-15
Slings, Load Positioning.....	14-35
Sling Max® Slings.....	2-13-14
Slings, Mesh.....	6-12-13

SLINGS, SYNTHETIC

Choosing the Right Sling.....8-1
 Nylon8-4-8
 Polyester8-6-9
 Polyester Round.....8-13
 Steel Lined8-8
 Twin-Path®.....8-8-12
 Web.....8-1-9, 8-13

SLINGS, WEB 101

Capacity Tags.....8-2
 Chemical Effects8-2
 Choosing the Right Sling.....8-1
 Effects of Angle8-2
 Environmental Effects8-2
 Factors Effecting Strength.....8-2
 How to Measure.....8-1
 Inspection.....8-3-4
 Ordering Information8-2
 Red Warning Core.....8-1
 Repair.....8-4
 Sling Types Available8-1
 Warning Sheets.....8-2

SLING, WEB

Accessories8-7
 Boat Lifting8-7
 Bridle Slings8-7-8
 Bridle Slings Hardware.....8-7
 Buffalo Sling8-1-9
 Choker.....8-8
 Cordura-Web Nylon.....8-6
 Fittings.....8-7
 Flat Fast Sleeves8-15
 Glass Lifting.....8-6
 Nylon8-4-8
 Poly Pads8-14
 Polyester8-6-9
 Reversed Eye (Type 6)8-6
 Shackle.....8-8
 Standard Stitched Sleeves8-14
 Stone Lifting.....8-7
 Triangles.....8-8
 Types.....8-1
 Wear Pads.....8-14
 Wide Lift8-6

SLINGS, WIRE ROPE

Adjust-a-Leg.....2-14
 Basket2-8
 Braid-6 Part2-12
 Braid-8 Part2-12
 Bridle, 2-legged2-7-9
 Bridle, 3-legged2-9
 Bridle, 4-legged2-10
 Cable Laid2-11
 Eye and Eye.....2-8
 Flemished Eyes.....2-9-10
 Gator-Flex®.....2-14
 Grommet2-11, 2-14
 Hand Spliced Eyes2-7
 Mechanically Spliced.....2-8-10
 Round Body-4 part.....2-13
 Single Rope.....2-7

Slingmax® Slings.....2-13-14
 Straid Laid.....2-11
 Torpedo Lock (105B).....2-8
 Tri Flex®.....2-13
 With Sliding Choker Hook2-7-8

SLIP RESISTANT

Matting.....17-39-40

SLIPPING AND TRIPPING

Signs17-23

SLOTTED

Angle26-73-74

SMALL PARTS

Bags19-84
 Compartment Boxes & Racks15-37

SMOKE ALARM17-29-30

SMOKING

Receptacles.....17-20

SNAP

Bodies25-6
 Hooks4-14
 Ring Pliers19-63
 Rings24-58

SNAPS

Bronze25-3-4
 Iron25-2-3
 Key25-8
 Metal.....25-1-2
 Stainless Steel25-4-5
 Wire25-5-6

SNATCH BLOCKS

All Alloy.....5-4
 Champion5-4
 Double Sheeve.....5-4-5
 Drop Link & Self Locking.....5-6
 Heavy Steel Shell Self-Locking5-5
 Manila Rope5-6
 One Sheeve5-5
 Removable Sheave.....5-6
 Steel Wire Rope5-4-5, 5-7-8
 Team for Wire Rope5-6
 Top Dead End5-5

SNIPS

All Purpose.....19-18
 Aviation19-2, 19-19
 Compound Action.....19-18
 Duct19-18
 Metalmaster.....19-18
 Multipurpose.....19-18, 19-26
 Offset.....19-18
 Pipe19-18

SNOW

De-Icer.....24-22
 Fence17-38
 Pushers19-174
 Shovels.....19-173
 Tools19-174

SNOW AND SAND

Fence17-38

SOAPSTONE

Holders24-28
 Markers24-27

SOCKET

Cap Screw26-26-27, 26-48,
 26-51-52, 26-57, 26-61
 Cap Screw24-59, 26-26-27,
 26-48, 26-51-52, 26-57, 26-61
 Insert Bits21-21
 Pipe Plug.....26-29, 26-50
 Power Bits21-22
 Screws26-26-28, 26-48-49,
 26-51-52, 26-56-58, 26-61-62
 Set Screws.....26-28-29, 26-49,
 26-58-59, 26-62
 Shoulder Screw26-29, 26-50, 26-59
 Tamper Resistant Bits21-22

SOCKETS

Customized.....19-115

SOCKETS, 1/4" DRIVE

Adapters19-187
 8 Point.....19-187, 19-209
 Extensions.....19-186
 Flex Handle19-186
 Hex Bits19-186-187
 Metric.....19-188
 Phillips Screw Bits19-187
 Ratchets19-186
 Sets19-187-188, 19-211
 6 Point.....19-187-188
 Slotted Screw Bits19-187
 Speeder19-186
 Spinner Handle.....19-187
 T-Handle.....19-186
 Torx Bit19-187
 12 Point19-187
 Universal19-187

SOCKETS, 3/8" DRIVE

Adapters.....19-189, 19-197
 Crowfoot.....19-208-209
 8 Point.....19-190, 19-210
 Extensions.....19-189, 19-197
 Flex Handle19-188
 4 Point19-190
 Hand Impact Driver19-197
 Hex Bits.....19-190, 19-209
 Insulated.....19-209
 Metric19-192, 19-198
 Phillips Screw Bits19-190
 Ratchets19-188
 Sets19-191, 19-197, 19-209, 19-212
 6 Point.....19-189-190, 19-189,
 19-198, 19-209
 Slotted Screw Bits19-190
 Spark Plug.....19-189
 Spinner19-189
 T-Handle.....19-189
 Torque Wrenches19-206-207
 12 Point19-189-190, 19-189-190
 Universal Joint19-189, 19-197
 Universal Socket19-189

Master Index

SOCKETS, 1/2" DRIVE

Adapters.....	19-193-194, 19-199
Crowfoot.....	19-208
Drag Links.....	19-193
8 Point.....	19-195
Extensions.....	19-193, 19-198
Flex Handle.....	19-192
Hex Bit.....	19-194
Metric.....	19-195, 19-199
Phillips Screw Bit.....	19-196
Ratchet, Construction.....	19-192
Ratchet, Linesmen.....	19-192
Ratchets.....	19-192
Sets.....	19-194, 19-199, 19-212
6 Point.....	19-193-194, 19-199, 19-210
Slotted Screw Bits.....	19-194
Speeder.....	19-193
Spinner.....	19-193
Stud Remover.....	19-193
T-Handle.....	19-193
Torque Wrench.....	19-215
12 Point.....	19-193-194
Universal Joint.....	19-193, 19-198

SOCKETS, 3/4" DRIVE

Adapters.....	19-195, 19-200
8 Point.....	19-210
Extension.....	19-195, 19-199
Flex Handles.....	19-195
Hex Bit.....	19-210-211
Metric.....	19-197, 19-203
O-Ring.....	19-200
Ratchets.....	19-195
Retainers.....	19-200
Sets.....	19-196-197
6 Point.....	19-196, 19-200-201
Torque Wrench.....	19-215
T-Handle.....	19-195
12 Point.....	19-195-196
Universal Joint.....	19-195, 19-200

SOCKETS, 1" DRIVE

Adapters.....	19-110, 19-201
Budd Wheel.....	19-110
8 Point.....	19-211
Extensions.....	19-110, 19-201
Hex Driver.....	19-110
Metric.....	19-109-110
Retainers.....	19-110, 19-201
6 Point.....	19-108-110, 19-201-202
Torque Wrenches.....	19-215
Universal Joints.....	19-110

SOCKETS, 1-1/2" DRIVE

Adapters.....	19-118, 19-202
Castellated.....	19-211
Extensions.....	19-118
Metric.....	19-111-112
Retainers.....	19-112, 19-202
6 Point.....	19-110-112, 19-202
Spanner.....	19-211
Universal Joints.....	19-112

SOCKETS, 2-1/2" DRIVE

Castellated.....	19-211
------------------	--------

O-Ring.....	19-203
Retainer.....	19-203
Spanner.....	19-211

SOCKETS, #5 SPLINE

Adapters.....	19-113
Budd Wheel.....	19-113
Extensions.....	19-113
Metric.....	19-113
Retainers.....	19-113
6 Point.....	19-112-113
Universal Joint.....	19-113

SOCKETS, WIRE ROPE

Bail.....	3-4
Spelter.....	3-2
Swage.....	3-3-4
Wedge.....	3-6-7

SOCKS

Sorbents.....	24-54, 24-56
Sodium Lamp.....	30-15

SOLDER

Acid Core (General Purpose).....	31-5, 31-9
Brushes.....	31-5
Flux.....	31-5
Flux.....	24-28, 31-5
Fuel Cylinders.....	31-4
Heat Shield.....	31-5
HVAC/Plumbers Kit.....	31-7
Kits.....	31-2-4, 31-7
Paste.....	24-28
Plumber's Kits.....	31-7
Rod.....	31-4
Rosin Core (Electrical).....	31-5
Solid Core (Plumbing).....	31-4
Tips.....	31-7
Torches.....	31-2-4, 31-7
Torches Accessories.....	31-2-5
Twister Kits/Tips.....	31-7
Wire.....	31-4-5, 31-9

SOLDERING

Gun.....	19-140
Iron.....	19-17-19

SOLENOID

Valves.....	14-19
-------------	-------

SOLVENT

Cleaning and Degreasing.....	24-20
Sorting Hook.....	4-15

SPADE

Shovel.....	19-167
-------------	--------

SPANNER

Insert Bits.....	21-22
Socket.....	19-211
Wrench.....	19-185-196

SPARK

Lighters.....	31-4, 31-11
---------------	-------------

SPECIALTY

Chain.....	6-15
------------	------

SPELTER

Socket.....	3-2
-------------	-----

Socket Assemblies.....	3-1
Socket Resin.....	3-2

SPIKE

Lifter.....	19-8
-------------	------

SPILL

Absorbent.....	24-22, 24-54-55
Booms.....	24-54-56
Containment Caddy.....	15-30
Control.....	24-53-57
Control Accessories.....	15-30
Drip Can.....	15-30
Drip Pan.....	15-30
Drum Spill Control Pallets.....	15-29
Funnels.....	15-30
Funnels w/ Flame Arrest.....	15-30
Kits.....	24-56-57
Pads.....	24-53-56
Pillows.....	24-54
Spill Tray.....	15-30

SPLINE

Spline Drive Drills.....	22-31
--------------------------	-------

SPLITTER

Bearing.....	14-35
Nut.....	14-28, 19-29
Wood.....	19-3-4

SPOON

Shovel Handle.....	19-124
Spotlights.....	17-25

SPRAY, FIRE STOP

Cable.....	28-19
Construction Joints.....	28-18

SPRAYING & SAND BLASTING

Wear.....	17-16
-----------	-------

SPREADER BEAM

Adjustable.....	13-4
Fiberglass.....	13-4
Fixed.....	13-3

SPREADERS

Flange.....	14-27
Hydraulic.....	14-27

SPRING

Clamp.....	19-106
Installing Tool.....	19-70
Pins.....	26-30, 26-50

SPUD

Wrench.....	19-117, 19-209
Wrench Holder.....	19-79

SQUARE

Nut.....	26-42
Pad.....	23-25

SQUARES

Aluminum.....	19-24-25
Combination.....	19-24
Framing.....	19-25
Rafters.....	19-23
T.....	19-23, 19-101
Welders, Magnetic.....	19-104-105

SQUEEGEES.....	24-23
----------------	-------

STACKABLE			
Drawer Case Unit.....	15-40		
STACKERS			
Material Lifts.....	15-10		
STAGES			
Aluminum.....	18-9, 18-14		
Planking.....	18-9, 18-11, 18-14, 18-17		
STAINLESS STEEL			
Anchor Chain (316L/BBB Chain).....	6-17		
Assemblies.....	6-15		
Attachments.....	6-15-16		
Bolts.....	26-44-52, 26-60-63		
Cable.....	1-19		
Chain Size/Load Limit Chart.....	6-15-16		
Clevis Grab Hooks.....	6-16		
Clevis Slip Hooks.....	6-16		
Connecting Link.....	6-16		
Eye Hoist Hook.....	6-15		
Eye Sling Hook.....	6-16		
Grab Hook.....	6-16		
High-Test Chain (316L).....	6-17		
Long Link Chain (316L).....	6-17		
Master Link.....	6-16		
Nuts.....	26-45-46, 26-52, 26-63		
Oblong Master Link.....	6-15		
Overhead Lifting Attachments.....	6-15-16		
Overhead Lifting Chain.....	6-15-17		
Pear-Shaped Link.....	6-15		
Round Master Link.....	6-15		
Safety Chain (302).....	6-17		
Sash Chain.....	6-17		
Screws.....	26-44-52, 26-61-63		
Single Jack Chain.....	6-17		
Sling Hook.....	6-16		
Sub-Master Link Assembly.....	6-15		
Twist Chain.....	6-17		
Washers.....	26-46, 26-60, 26-63-64		
STAMP			
Steel.....	19-213		
STAND			
Engine.....	14-23		
Reel.....	19-47		
Rope.....	19-44		
Shop.....	14-23		
Threader.....	19-125		
Wire.....	19-47		
Work.....	18-6, 18-8		
STAND OFF SURFACE PROTECTORS			
Ladder.....	18-11, 18-17		
STAPLER			
Electric.....	19-8		
Hammer.....	19-8		
Hand.....	19-8		
Plier.....	19-8-9		
Tacker.....	19-8		
Wire Tacker.....	19-8		
STARS			
Surface Conditioning.....	23-12		
Steam Hose.....	27-2		
Steel Cutters, Hydraulic.....	14-1		
STENCIL			
Ink.....	24-19		
Letters.....	24-15		
Letters.....	19-225, 24-15		
Numbers.....	24-15		
Numbers.....	19-225, 24-15		
Press.....	24-15		
STEP			
Drill.....	19-3		
Ladders.....	18-5-10		
Stools.....	18-15		
STILTS	19-101		
STOCK PICKING			
Ladders.....	18-3		
Lift.....	18-3		
STOOLS			
Step.....	18-15		
Sit Stand.....	15-41		
STOPS			
Compression.....	3-13		
STORAGE CONTAINER			
Corrosives.....	15-28		
Drum Spill Control Pallets.....	15-29		
Drum Storage.....	15-28-29		
Flammable Waste.....	15-29		
Hazardous Material.....	15-29		
Safety Cabinet.....	15-28		
Safety Can Storage.....	15-29		
STORAGE UNITS			
Bin Box/Cabinet Packages.....	15-38-39		
Bins.....	15-34-38		
Cabinets.....	15-38-40		
Display Bin.....	15-38-40		
Hanging Bin Systems.....	15-35-36		
Hanging Systems Louvered Panels.....	15-36		
Industrial Shelving.....	15-40		
Lockers.....	15-39		
Modular Drawer and Bin Systems.....	15-37		
Racks.....	15-32-34, 15-37, 15-40		
Revolving Bins.....	15-34		
Shelf Bin/Shelving Packages.....	15-36		
Stackable Drawer Case Unit.....	15-40		
Tilt-Bin Carts.....	15-38		
STRAIGHT			
Edges.....	19-24		
Strainers, Waterpump.....	27-10		
STRAND			
Hoist Wire Rope.....	1-13		
Laid Sling.....	2-11		
STRAP			
Clamp.....	19-112		
Wrench.....	19-66, 19-117, 19-120		
STRAPPING			
Dispenser.....	15-45-46		
Galvanized.....	27-12		
Plastic.....	15-45-46		
Sealer.....	15-45-46		
Seals.....	15-45		
Stainless.....	27-12		
Steel.....	15-45		
Strapping.....	15-45-46		
Tape.....	24-68		
Tensioner.....	15-45-46		
STRAPS			
Cross Arm.....	16-10		
Hangers.....	26-70-72		
Rubber.....	7-6, 28-9		
STRAPS ASSEMBLIES, LOAD SECUREMENT			
1" Cam Buckle.....	7-6		
1" Ratchet.....	7-6		
2" Ratchet.....	7-6-7		
3" Ratchet.....	7-6		
4" Ratchet.....	7-6		
STRAP HARDWARE, LOAD SECUREMENT			
Cam Buckle (1").....	7-8		
Chain Attachment (18").....	7-9		
Cluster Hook RTJ Attachment.....	7-10		
Delta Ring (2" & 4").....	7-10		
D-Ring 1".....	7-10		
Flat Hook (1"-4").....	7-8-9		
Grab Hook Assembly (3/8").....	7-9		
Logistic Track Fitting (A, E & F Track).....	7-7, 7-10		
Ratchet Buckles (1"-4").....	7-8		
Snap Hooks (1"-2").....	7-9		
Vinyl Coated Wire Hooks (1").....	7-9		
Wire Hooks (1"-3").....	7-9		
Wrap.....	28-9		
STRETCH WRAP FILM	24-69, 28-9		
STRIKING			
Wrenches.....	19-113-115, 19-184-187		
STRING LINER			
Gloves.....	17-14		
STRIPPER			
Bar.....	19-7		
Cable.....	19-61		
Wall Paper.....	19-175		
Wire.....	19-61, 19-72		
STROBE			
Lights.....	17-27-28		
STRUCTURAL			
Bolts.....	26-23-24		
Wrench.....	19-185, 19-209		
STRUT			
A-12.....	26-68		
A-14.....	26-68		
Applications/Calculating Loads.....	26-66-67		
B-12.....	26-68		
Basics To Ordering Strut.....	26-66		
Beam Clamps.....	26-74-75, 26-89		
Brackets.....	26-75-77		
C-12.....	26-69		
C-14.....	26-69		
Channel Nuts.....	26-72-73		
Channel Selection Chart.....	26-67		
Concrete Inserts.....	26-77-78		
D-14.....	26-69		

Master Index

STRUT *continued...*

E-12.....	26-70
End Caps.....	26-78
Fittings.....	26-78-86
M-12.....	26-70
Pipe Clamps.....	26-70-72
Post Bases.....	26-86-87
Rollers.....	26-87-88
Slotted Angle.....	26-73-74

SUBFLOOR

Adhesives.....	28-5
----------------	------

SUBMERSIBLE

Flashlights.....	17-24-25
Pump.....	30-6, 30-21

SUCTION HOSE

Banding Clamp.....	27-11-12
Cam and Groove Coupler.....	27-3
Hose.....	27-1
Lug Pin Coupler.....	27-10
Menders.....	27-4, 27-10
Skimmer.....	27-10
Strainer.....	27-10

SUMP PUMP

.....	30-6
-------	------

SUN SCREEN

Lotion.....	17-22
Screen Kit.....	17-22
Towelettes.....	17-22

SURFACE CONDITIONING

Backing Pads.....	23-53
Belts.....	23-8, 23-33
Clean and Strip.....	23-6, 23-11
Combi Wheel.....	23-12
Cutting and Polishing.....	23-11
Disc Holders.....	23-5-6, 23-32-33, 23-53
Flap Brushes.....	23-12
Hand Pads.....	23-1-2, 23-31
Hook and Loop (Velcro).....	23-5-6, 23-33
Performance Advantages.....	23-1
Quick Change Discs.....	23-4-5, 23-32-33
Rolls.....	23-1-2, 23-32
Shanked Discs.....	23-6
Sheets.....	23-1-2, 23-32
Stars.....	23-12
Velcro Disc Holder.....	23-6, 23-33
Velcro Discs.....	23-5-6, 23-33
Web.....	23-11
Wheels.....	23-9-12

SURGE

Protector.....	29-8
----------------	------

SURVEYORS

Locator, Magnetic.....	30-1
Rope.....	19-53
Tape.....	17-38

SUSPENDED PERSONNEL

Platforms.....	13-22
----------------	-------

SUSPENDERS.....

.....	19-76, 19-80
-------	--------------

SWAGED

Wire Rope.....	1-15
----------------	------

SWAGED FITTING, CABLE

Ball.....	3-16-17
Deck.....	3-17-18
Eye.....	3-15-16
Fork.....	3-15-16
Sleeves.....	3-12-13
Stops.....	3-13
Stud.....	3-14
Terminals.....	3-14-18
Toggle.....	3-17-18
Turnbuckles.....	3-17-18

SWAGED FITTING, WIRE ROPE

Bail Socket.....	3-4
Button.....	3-5
Cold Tuff®.....	3-5
Eye.....	3-4-5
Jaw End.....	3-4
Shank Hooks.....	3-4
Sockets.....	3-3-4
Stud.....	3-5

SWAGING

Tools.....	14-1, 19-139
Sweatbands.....	17-8
Sweeping Compounds.....	24-22

SWEEPS

Magnetic.....	19-105
---------------	--------

SWIVEL

Cable Pulling.....	19-46
Grip.....	19-86
Hooks.....	4-12-13, 4-18, 4-21, 4-41

SWIVELS

Air Tool.....	27-8
Bent Stem, Air.....	27-8
Closed, Hardware.....	25-8
Open, Hardware.....	25-8
Snaps.....	25-1-6

SWIVELS, LIFTING

Angular Contact Bearing.....	5-17-18
Chain.....	4-22
Eye & Eye Swivels.....	4-22, 4-40
Hoist Rings.....	4-26-31
Hydraulic Load Positioner.....	5-19
Insulator Link.....	5-12
Jaw and Eye.....	4-22, 4-40
Jaw and Jaw - Stainless Steel.....	4-40
Jaw End Swivel.....	4-22
Overhaul Balls.....	5-13
Regular.....	4-22
Taper Roller Thrust Bearing.....	5-13

SYNTHETIC

Armor™ Pads.....	8-14
Grease.....	24-35-36
Oil.....	24-35-36
Slings.....	8-1-14

T

T & D ULTRA-FLEX SLINGS.....	2-14
T-HINGES.....	25-16
T-SQUARE.....	19-101

TABLE

Lift.....	15-9
Saw.....	20-21

TACKER

Electric.....	19-9
Hammer.....	19-9
Wire.....	19-8

TAGOUT CENTER

Lockout.....	17-45
--------------	-------

TAMPER

Hand.....	19-6
Pneumatic.....	20-43-44

TAMPER RESISTANT

Screwdriver Bits.....	21-20-22
Tanged (Tapcon®) Drills.....	22-32

TANKS

Dip.....	15-27
Rinse.....	15-27

TANK-TOP LIFT

Ladders.....	18-4
--------------	------

TAP

Bolts.....	26-25
------------	-------

TAPCON®

Anchors.....	26-12
Drills (Screw-Type).....	22-32

TAPER

Drywall.....	19-97
Pin Kits.....	24-59
Pins.....	26-31

TAPES

Banner.....	19-11
Barricade.....	17-35
Barrier.....	17-38
Caution.....	17-38
Depth Gauge.....	19-53
Diameter.....	19-11
Dispenser.....	17-38
Dispensers.....	24-68
Double Face.....	24-68
Drywall Reel.....	19-97
Duct.....	24-67
Electrical.....	24-68
Fiberglass.....	19-11, 19-25
Fishing.....	19-41-43, 19-75
Floor and Alse Marking.....	17-38
Foam.....	24-68
Foil.....	24-67
Key Ring.....	19-12
Masking.....	24-69
Measuring Wheels.....	19-53
Non-Skid.....	17-39
Packing.....	24-68
Pipe Sealing.....	24-29, 24-69
Power Return.....	19-10-11, 19-163-165
Rule Holders.....	19-78
Rules.....	19-11-12, 19-163-165
Sewer Cleaning.....	19-156-160
Strapping.....	24-68
Surveyors.....	17-38, 19-53
Teflon®.....	24-29, 24-69

TAPING
 Knives.....19-96

TAPPER
 Tool.....20-8

TAPPING
 Lubricants.....24-16
 Kit.....20-37
 Tool, Pipe.....19-134-135

TAPS
 Pipe.....19-120

TARP TIES, FLATBED.....7-6, 28-9

TARPS
 Canvas.....28-9
 Polyethylene.....28-9

TEA CUP CARRIER.....13-14

TEE
 Nut.....26-42

TEFLON
 Tapes.....24-29, 24-69

TEK
 Guns.....20-2, 20-19,
 20-58-59, 20-63, 26-2-3
 Screws.....26-23

TELEPHONE
 Circuit Tester.....19-49, 19-64
 System Pliers.....19-59

TELL-TAIL
 Twin-Path® Slings.....8-15

TEMPERATURE
 Indicator.....20-28, 24-29

TENSION
 Testers, Bolt.....30-10-11

TENSION CONTROL
 Bolts.....26-24
 Tensioner, Strapping.....15-45-46

TERMINALS
 Cable.....3-14-18
 Kits, Electrical.....24-59
 Wire Rope.....3-2-13

TESTER, BRINNELL HARDNESS.....31-5

TESTERS
 Bolt Tension.....30-11
 Torque.....30-11
 Torque-Tension.....30-10-11

TESTING
 Circuit.....19-49, 19-64-65
 Continuity.....19-65
 DC Voltage.....19-52
 Diode.....19-52
 GFCI.....19-49
 HFE.....19-52
 Pipe Pressure.....19-140
 Resistance.....19-52
 Solenoid Voltage.....19-66
 Telephone Line.....19-52
 Twin Lead.....19-65
 Voltage.....19-64-65

THAWING
 Pipe Tool.....19-140

THERMOMETER.....19-111, 20-28

THERN WINCHES.....11-6-8

THICKNESS
 Gauge.....19-33

THICKNESS FEELER
 Gage.....19-33, 19-203, 24-60-61

THIMBLES
 AN 100.....4-4
 Boom Pendant.....3-1
 Choker.....4-2
 Crescent.....4-3
 Equalizing.....4-3
 Extra Heavy Wire Rope.....4-3
 Open Pattern.....4-3
 Slip-Thru.....4-2
 Solid Wire Rope.....4-3
 Stainless.....4-3, 4-37-38
 Standard Wire Rope.....4-3
 Synthetic Rope – Round and Oval.....4-4

THIN SHEET LIFTING CLAMP.....12-8

THIRST QUENCHER
 Gatorade.....17-20

THREAD
 Cleaner.....19-113
 Locker.....24-43-44
 Repair.....24-38
 Repair File.....19-29
 Restorers.....19-106-107
 Sealants.....24-28, 24-45-46
 Sealing.....24-45-46

THREADED
 Rod.....26-64-65
 Rod Hanger.....26-1, 26-11

THREADERS
 Bolt.....19-121, 19-126-130
 Carry Case.....19-121
 Conduit.....19-121
 Dies.....19-122, 19-124, 19-127-130
 Die Heads.....19-120, 19-122,
 19-127, 19-130
 Geared.....19-123-130
 Nipple Chucks.....19-131
 Oiler.....19-124
 Oil-Less.....19-126
 Pipe, Manual.....19-123-130
 Pipe, Powered.....19-123-130
 Ratchet.....19-121
 Receding.....19-124
 Stands.....19-125
 Three Way.....19-121

THREADING
 Adapter.....19-131
 Conduit.....19-121
 Die Heads.....19-120, 19-122, 19-127, 19-130
 Dies.....19-122, 19-124, 19-127-130
 Drive Bar.....19-123
 Machines.....19-123-130

Manual Threading.....19-121
 Nipple Chucks.....19-131
 Oil.....19-124
 Oiler.....19-125
 Plastic (PVC).....19-130
 Plastic Coated Pipe.....19-120, 19-130
 Power Drives.....19-123
 Ratchet Handles.....19-121
 Shank Hook.....4-11
 Stands.....19-125
 Universal Drive Shaft.....19-124

THUMB
 Screws.....26-39

TIE WIRE
 Belt.....19-80
 Coils.....28-2
 Double Loop.....28-2
 Rebar.....28-2
 Reels.....28-2
 Twister.....19-99
 Tying Tools.....28-2

TIE-DOWN CHAIN ASSEMBLIES
 Binder Chain.....7-2
 Binder Chain.....6-19, 7-2
 Tow Truck Chain.....6-20
 Truck Bed.....7-5
 Vehicle Tie-Down.....6-20
 Winchline Tail Chain.....6-21

TIE-DOWN STRAPS ASSEMBLIES
 1" Cam Buckle Straps.....7-6
 1" Ratchet Straps.....7-6
 2" Ratchet Straps.....7-6
 3" Ratchet Straps.....7-6
 4" Ratchet Straps.....7-6
 Logistic Straps (A, E & F Track).....7-7, 7-10

TIE-DOWN STRAP HARDWARE
 Cam Buckle (1").....7-8
 Chain Attachment (18").....7-9
 Cluster Hook RTJ Attachment.....7-10
 Delta Ring (2" & 4").....7-10
 D-Ring 1".....7-10
 Flat Hook (1"-4").....7-8-9
 Grab Hook Assembly (3/8").....7-9
 Logistic Track Fitting (A, E, & F Track).....7-10
 Pan Fitting with Ring and Stud.....7-10
 Ratchet Buckles (1"-4").....7-8
 Snap Hooks (1"-2").....7-9
 Vinyl Coated Wire Hooks (1").....7-9
 Wire Hooks (1"-3").....7-9

TIG
 Gloves.....17-14
 Welders Gloves.....17-14, 31-2
 Welding Rod.....31-12

TILE CUTTER
 Saw.....20-43

TILT AND ROLL
 Ladders.....18-2
 Tilt-Bin Carts.....15-38
 Timber.....28-3
 Carriers.....28-3

Master Index

TIMER			
Air Control.....	30-11		
TIN			
Snips	19-2		
TIP			
Air/Acetylene	31-7		
Brazing	31-6-7		
Cleaner, Welder.....	31-8		
Cutting.....	31-7		
Heating.....	31-7, 31-10		
Soldering	31-7		
Welding	31-6-7		
TIRE			
Chain	6-21		
Chain Attachments	6-22		
Inflator Gauge.....	27-8		
Toe Jacks	15-12		
TOGGLE			
Anchor, Plastic.....	26-7		
Bolts	26-4		
TONGS			
Pallet	28-3		
Skidding.....	28-3		
Timber	28-3		
TONGS, LIFTING			
Barrier Grabs.....	13-13-14		
Beam Tongs	13-14		
Custom Tong Grabs	13-13		
Rail Tongs.....	13-14		
Slab Tongs.....	13-14		
Tong Grabs.....	13-13		
TONGUE AND GROOVE PLIERS	19-9		
TOOL			
Aprons.....	19-27, 19-77		
Bags	19-27, 19-80		
Balancers	20-18-19		
Belts	19-27, 19-79-80		
Boxes	19-49-51, 19-175-178		
Buckets	19-26-27, 19-81-82		
Cabinets.....	19-49-51, 19-176-178		
Carts.....	19-178		
Chests	19-178		
Cut-Off.....	20-5, 20-69		
Organizer.....	19-26-27		
Pickup	19-32-33, 19-105		
Rollups	19-27		
Snow	19-174		
Stacker Pockets.....	19-27		
Steel, Electric.....	21-1, 21-13, 21-17		
Steel, Pneumatic.....	21-1, 21-13, 21-17		
Totes.....	19-81, 19-175		
TOOL, HOLDERS			
Bull Pin	19-79		
Cable Splicer Knife.....	19-78		
Cell Phone.....	19-75		
Chisel	19-28		
Erection Wrench.....	19-79		
Flashlight	19-79		
Hammer	19-78, 19-79		
Linesmen's Knife	19-78		
Multi Purpose	19-76-77		
Pliers	19-78		
Pliers & Rule	19-79		
Pliers & Screwdriver.....	19-79		
Pliers, Rule & Screwdriver	19-79		
Pocket Knife	19-78		
Punch	19-28		
Scissors.....	19-82		
Scissors & Cable Knife.....	19-78		
Snap Loop.....	19-79		
Tape Measure.....	19-78		
TOOL SETS			
Construction Equipment Repair	19-180		
Industrial Mechanic & Machine Repair	19-179		
Master Service	19-178		
Metric Service Mobile Work Shop.....	19-179		
TOOLING			
Metal Working	21-17		
TOOLMAKER'S			
Ink.....	24-18		
Ink Remover	24-18		
TORCHES			
Air/Acetylene	31-7		
Brass	31-3-4		
Brazing.....	31-2, 31-3		
Check Valves.....	31-8		
Cleaners, Welding	31-8		
Cutting Attachments	31-6, 31-10		
Cutting Handle	31-6, 31-10		
Cutting Tips	31-7		
Cylinders	31-4		
Flashback Arrestors.....	31-8		
Flint Lighters.....	31-4, 31-11		
Handles.....	31-6, 31-10		
Heating Tips	31-7, 31-10		
High Temperatures	31-3		
Instant Igniters.....	31-2		
Kits.....	31-2-4, 31-6-7, 31-9-10		
Mapp	31-2-4		
Oxyacetylene.....	31-6		
Oxygen Mapp.....	31-2		
Propane	31-2-4		
Soldering	31-2-4, 31-7		
Spark Lighters	31-4, 31-11		
Tip Cleaners	31-8		
Tips.....	31-6, 31-10		
Utility.....	31-4		
Welding.....	31-2, 31-6, 31-9-10		
Welding and Cutting Kit.....	31-2		
Wrenches.....	31-11		
TORQUE			
Meter	20-18		
Multiplier	19-203		
Screwdriver Pneumatic	20-18		
Transducers.....	20-18		
Wrench	19-119, 20-11		
Wrench Calibrator.....	30-11		
TORQUE-TENSION			
Accessories	30-11		
Testers.....	30-10-11		
TORX			
Insert Bits	21-20		
Key Wrench.....	19-20		
Power Bits	21-20		
Screwdrivers.....	19-66		
Tamper Resistant Bits	21-20		
TOTES			
Stack and Hang.....	15-35		
Tools.....	19-175		
TOWER CLIMBING			
Body Harness.....	16-3		
TOWER CRANE			
Wire Rope.....	1-11		
TOWING			
Chain Assemblies	6-20		
J Hook	6-20		
Mounted Hooks	7-5		
R Hook	6-20		
T Hook	6-20		
TRACK			
Jacks	15-10		
Spike Lifter.....	19-8		
Strap Tiedowns	7-7, 7-10		
TRAFFIC			
Cones	17-33		
TRAILER			
Ball Hitch	7-5		
Dual Purpose Hitch	7-4		
Winches.....	11-10		
TRANSFER			
Pumps.....	24-4-5, 24-7, 24-52		
TRANSFORMER DECKS	29-8		
TRANSITS	30-1-3		
TRANSMISSION JACKS	14-23		
TRASH			
Bags	28-9		
Can.....	28-8		
TREE			
Climbing Ropes	9-7		
Pruner	19-29, 19-175		
TRENCH			
Shovel.....	19-112		
TRESTLE			
Ladders	18-11, 18-13		
TRIANGLES			
Safety Kits	17-37		
Web Sling	8-8		
Tri-Flex® Slings and System.....	2-13		
TRIMMER			
Grass	19-174		
Hedge.....	20-68-69		
Laminate.....	20-63		
TRIMMER/BRUSH			
Cutter.....	20-68		

TRIPOD
Confirmed Space 16-13
Ladders 18-6, 18-10
Material Handling 15-6

TROLLEY
Pulley 16-16

TROLLEYS
Beam Fall Protection 16-10
Close Radius 10-10
Economical 10-10
Electric 10-19
Hoists 10-7-8
Low Headroom 10-8, 10-10, 10-13
Manual (Push) 10-9-10
Motorized 10-13, 10-19-20
Overhead Traveling 10-11
Plain and Gear Models 10-8-11
Runaway Beam 12-5-6
Wide Range 10-11

TROUBLE
Light 29-3

TROWELS
Concrete/Masonry 19-94
Finishing 19-94, 19-97
Gauging 19-94
Margin 19-94
Pointing 19-94
Pool 19-94
Tuck Pointer 19-94

TRUCKS
A-Frame 15-25
Cylinder 15-24
Cylinder Truck Racks 15-24
Garment 15-24
Hand 15-21-22
Narrow Aisle 15-22
Pallet 15-22
Plastic Box 15-24
Platform 15-23
Roller Pry 15-22
Steel Box 15-24

TUB, TILE & SPA
Holesaw 22-54

TUBE
Brushes 21-12

TUBING
Bender 19-138
Cutter 19-121, 19-135-137
Cutter Wheels 19-137
Deburring Tool 19-129, 19-140
Expander 19-139

TUBS, GALVANIZED 28-8

TUCK POINT
Diamond Blades 22-9
Trowels 19-94

TUGGER
Cable 19-44-45
Sheaves 19-44-45

TUNGSTEN CARBIDE
Holesaw 22-18, 22-26
Reciprocating Sawblades 22-12, 22-25

TURNBUCKLES
Applications 4-23
Aluminum 25-11
Engineering Data 4-23
Forged 4-23-24
Stainless Steel 25-10
Stainless Steel 4-24, 4-39-40

TURNBUCKLES TERMINALS
Positive Grip Fitting 3-12
Swaged Fitting 3-17-18

TURNBUCKLES, RATCHET
Custom Ratchet Turnbuckles 7-3
Dimensions of Ratchet
Turnbuckles Components 7-2-3
Eye & Eye Turnbuckle (Type D) 7-2
Eye & Jaw Turnbuckle (Type DJ) 7-2
Jaw & Jaw Turnbuckle (Type J) 7-2

TWEEZERS
Industrial 19-32

TWIN FRONT
Ladders 18-5-7, 18-10

TWINES
Cabled/Seine Twines 9-6
Cotton & Polyester 9-6
Polypropylene 9-6

TWIN-PATH® 101
Advantages 8-9
Check-Fast® Inspection System 8-12
Environmental Effects 8-10
Fiber Optic Inspection 8-12
Inspection Procedures 8-11
Safety Information 8-10
Testing Procedures 8-11
Wear Pads 8-14

TWIN-PATH® SLINGS
Adjustable Bridle 8-13
Coil Sling 8-12
Corner Protectors 8-12-14
Covermax 8-11
Extra 8-11
Extra Covermax 8-13
Sparkeater 8-13
Twin-Path® 8-12
Wear Pads 8-14

TYING TOOLS, TIE WIRE 28-2

TYVEK SUITS 17-16

U

U-BOLTS
Plated 25-10
Stainless Steel 25-9

UNIT OF MEASURE
Conversion Table 20-19

UNMANILA
Rope 9-4

URETHANE
Repair Kits 24-33
Sealants 24-38

UTILITY
Bags 19-82
Bar 19-6
Body Harness 16-4
Cabinet 19-50
Knife 19-26, 19-162-163
Knife Blades 19-163
Knife Holders 19-78

V

VACUUM
Accessories 19-143, 20-60
Cups 15-13
Drum Pump 19-109
Electric 19-142-143, 20-73
Machine 19-109
Pneumatic 20-73
Pump Kit 19-109
Shop 19-110, 19-142
Wet/Dry 19-142-143, 20-29, 20-60

VACUUM LIFTERS
Advantages and Applications 13-18
Features of Vacuum Lifters 13-16
Selection Guide 13-17-18
Technical and Operation Information 13-16-17

VALVE
Backflow Prevention 31-8
Ball Brass 27-12
Check 31-8
Check 27-12, 31-8
Dispensing Grease 24-7
Lockout 17-44

VALVES, HYDRAULIC
Automatic 14-18
Check 14-19
Counter Balance 14-19
In-Line 14-19-20
Load Lowering 14-19
Manual 14-17-18
Metering 14-20
Pilot Operated Check 14-19
Pressure Reducing 14-19
Pressure Relief 14-20
Sequence 14-19
Shut-off 14-19
Solenoid Operated 14-19

VARNISH
Red Insulating 24-21
Remover 24-31

V-BELT PULLEY
Pulling Attachment 14-35

Master Index

VEHICLE	
Tie-Down Assemblies	6-20
VELCRO	
Disc	23-5-6, 23-33
Holder.....	23-6, 23-33
VENTILATING	
Ventilation Blower Hose	27-1
VENTS	
Drum	15-28
Drum Fill	15-28
VEST	
Cold Weather	17-20
Safety	17-36
Specialty	17-36
Windbreaker	17-8
VINYL	
Coating	24-19
WISE-GRIP PLIERS	19-1
VISES	
All Weather	19-205
Bench	19-119-120
Chain	19-119-120
Combination	19-204
Covers	19-141
Drill Press Vise	19-206
General Purpose	19-141
High Visibility	19-205
Jaw Caps	19-141, 19-206
Machine.....	19-206-207
Machinists'	19-205
Mechanics'	19-205
Milling Machine.....	19-206
Pipe	19-119
Pipe & Bench	19-204
Stationary Base	19-205
Tradesmen	19-205
Tri Stand	19-119
Utility Workshop	19-205
Welding.....	19-119
Yoke.....	19-119
VOLTAGE	
Tester.....	19-64-65
V-RUNG	
Ladders	18-17
W	
WADERS	17-15
WALL COVERING	
Cutters.....	19-175
Stripper	19-175
Tools.....	19-175
WALKIE-TALKIES	28-4-5
WAND	
Magnetic.....	19-105
Pressure Washer.....	30-9
WAREHOUSE	
Ladders	18-1-4

Picker Body Harness.....	16-3
WARMING PACKS	17-8
WASHER, PRESSURE	
Brush	30-9
Coldwater	30-8
Hose	30-9
Hot water.....	30-9
Injector, Detergent	30-9
Injector, Sand	30-9
Nozzles, Rotating	30-9
Wand	30-9
WASHERS	
Air Fitting	27-5
Aluminum	26-54
Beveled	26-44
Brass	26-53
Bronze	26-54
Fender	26-43, 26-60, 26-63
Finishing	26-43, 26-46, 26-52-53
Flat	26-42-44, 26-46, 26-52-55, 26-60, 26-63
Garden Hose.....	27-15
Load Indicating.....	26-44
Lock	26-43-44, 26-46, 26-52, 26-54, 26-60, 26-63-64
Suction Hose	27-10
WASP & HORNET SPRAY	17-22, 24-20
WASTE COLLECTION	
Systems, Drum.....	15-28
WATER	
Stop Cement	28-7
WATER HOSE	
Contractors	27-1
Discharge	27-2
Garden Hose.....	27-13
Hot Water	27-13
Rubber	27-1, 27-13
Soaker	27-13
Sprinkler	27-13
Suction	27-1
Vinyl.....	27-13
WATERPROOF	
Sandpaper.....	23-2, 23-30-31
Clothing	17-17
WEAR PADS	
CornerMax™	8-12
Customize	8-14
Flat Fast Sleeves	8-14
Poly	8-14
Standard Stitched Sleeves	8-14
Synthetic Armor.....	8-14
Web Sling	8-14
WEARING COMPOUND	24-37-38
WEB	
Connector.....	4-10
Protectors.....	7-5
Shackle.....	4-9
Sling Hook.....	4-12, 4-21
Strap Pullers.....	10-26

WEB SLING 101	
Capacity Tags	8-2
Chemical Effects	8-2
Choosing the Right Sling.....	8-1
Effects of Angle	8-2
Environmental Effects	8-2
Factors Effecting Strength.....	8-2
How to Measure	8-1
Inspection	8-3-4
Operating.....	8-3
Ordering Information	8-2
Red Warning Core.....	8-1
Repair	8-4
Sling Types Available	8-1
Warning Sheets.....	8-2
WEB SLINGS	
Accessories	8-7
Boat Lifting	8-7
Bridle Slings	8-7
Bridle Slings Hardware.....	8-7
Buffalo Sling	8-1-9
Choker.....	8-8
Cordura-Web Nylon.....	8-6
Fittings.....	8-7
Flat Fast Sleeves	8-14
Glass Lifting.....	8-6
Nylon	8-4-8
Poly Pads	8-14
Polyester	8-6-9
Reversed Eye (Type 6)	8-6
Shackle.....	8-8
Standard Stitched Sleeves	8-14
Stone Lifting.....	8-7
Triangles.....	8-8
Types	8-1
Wear Pads.....	8-14
Wide Lift	8-6
WEDGE	
Anchors	26-9-10
Setup	19-204
Socket, Assemblies	3-6
Socket, Safety	3-6
Sockets.....	3-6-7
Terminator	3-6
Wood Splitting	19-5
WELD	
Flux Chipper	20-11
Flux Chipper Steel.....	21-1
Nuts	26-63
WELDERS	
Anti-Splatter	24-21
Arc.....	30-6-7
Body Harness.....	16-5
Gas Powered	30-6-7
Generators	30-6-7
Mig.....	30-7
WELDING	
Arc, Electrodes	31-11
Blankets.....	31-1
Chaps	17-19

WELDING *continued...*

Check Valves.....31-8
 Clamp Pliers.....19-1
 Clamps.....19-1-2, 19-103-104
 Curtains.....31-1
 Cutting and Welding Outfit.....31-9-10
 Cutting Attachments.....31-6, 31-10
 Cutting Tips.....31-7
 Electrode Bag.....19-82
 Electrodes.....31-11
 Flame Retardant.....17-19
 Flange Pins.....19-53
 Gas Lighter.....31-2, 31-4, 31-11
 Gas Regulator.....31-8, 31-10-11
 Gloves.....31-2
 Gloves.....17-14, 31-2
 Goggles.....31-11
 Goggles.....17-11, 31-11
 Hammer.....19-25
 Hard Hat Attachments.....17-11
 Heat Measuring Tools.....19-111
 Heating Tips.....31-7, 31-10
 Helmets.....17-10
 Hose.....31-11
 Hose.....27-2, 31-11
 Kevlar Sleeves.....17-4
 Kits.....31-2, 31-6, 31-9-10
 Leather Clothing.....17-18-19
 Magnetic Ground Clamp.....19-105
 Magnetic Link.....19-33
 Magnetic Square.....19-104-105
 Mig Wire.....31-12
 Outfits.....31-6, 31-9-10
 Oxyacetylene Kits.....31-6
 Oxygen/Mapp.....31-2
 Pipe End Prep Lathes.....19-52
 Rod.....31-4, 31-12
 Tank Regulators.....31-8, 31-10-11
 Tank Wrenches.....31-11
 Tig Rod.....31-12
 Tip Cleaners.....31-8
 Torch Check Valve.....31-8
 Torch Flashback Arrestor.....31-8
 Torch Instant igniter.....31-2
 Torch Tips.....31-6-7, 31-10
 Torches.....31-2, 31-6-9, 31-9-10
 Vise.....19-119
 Wire, Mig.....31-12

WELD-ON

Hooks.....4-21
 Webbing Winch.....7-3

WELL

Chain.....6-20
 Servicing Wire Rope.....1-15

WHEEL

Chock.....17-37
 Ladders Spurs.....18-11

WHEELBARROWS.....19-165-166

WHEELS, ABRASIVES

Adapters/Reducing Bushings.....23-10-11,
 23-43, 23-52

Bench Grinder.....23-51
 Brick, Block and Masonry Saw.....23-49
 Chop Saw/Miter Saw.....23-38-39,
 23-42, 23-46
 Circular Saws.....23-32, 23-45, 23-49
 Clean and Strip Cup.....23-10
 Combi.....23-12
 Cotton Laminate.....23-37, 23-50
 Cup Stones.....23-37, 23-47, 23-50
 Cut and Polish.....23-10
 Cut-Off Saw.....23-38, 23-42,
 23-45-46, 23-49
 Cutting Wheels.....23-36-39, 23-41-49
 Cutting/Notching/Grinding
 (Type 27).....23-35, 23-41, 23-44-45, 23-48
 Depressed Center (Type 27).....23-34-37,
 23-40-41, 23-44-45, 23-47-50
 Die/Straight Grinders.....23-37, 23-41,
 23-43, 23-48
 Flap.....23-11, 23-22-23
 Gas and Electric Saw.....23-38, 23-42,
 23-45-46, 23-49
 Grinding Wheel (Type 27).....23-34-36,
 23-40-41, 23-44, 23-47, 23-49
 Grinding Wheels (Type 28).....23-34-35,
 23-45, 23-49
 Multi-Finishing.....23-10
 Scotch-Brite EXL.....23-4, 23-9-11
 Semi-Flexible
 (Type 27 and 29).....23-36, 23-42, 23-45
 Stationary Saws.....23-39, 23-46, 23-49
 Street Saw.....23-49
 Surface Conditioning.....23-9-12
 Wire.....21-2, 21-9-10
 Wire Cup.....21-7-8
 Z (Type 29).....23-42, 23-45

WHIP CHECK SAFETY CABLES.....27-5

WHIRLBITS.....21-15

WIDE

Lifting Slings.....8-6
 Load Signs.....17-37
 Mouth Lifting Clamp.....12-7
 Wiggler/Center Finder.....19-32
 Winch Bars, Flatbed.....7-5

WINCH, FLATBED WEBBING

Portable.....7-3
 Sliding.....7-3
 Storable Disc.....7-3
 Weld-On.....7-3

WINCHES

Air.....11-3, 11-11-13
 Boat Haulings.....11-10
 Capstan.....11-4, 11-9-10
 Electric.....11-3-13
 Gripwinch.....11-12
 Hand.....11-1-2
 I-Beam.....11-5
 Long Distance.....11-12-13
 Manhandler.....16-13
 Material.....16-13
 Material Lifting.....11-12-13
 Retrieval.....16-13
 Worm Gear.....11-1, 11-6-8

WINCH-HOISTS, WIRE ROPE

Fall Protection Devices (Block Stop).....10-26
 Griphoist Winch/Hoist.....10-26-27
 Lug-All Winch Hoist.....10-24
 Maasdam - Pow'R-Pulls.....10-24

WYETH-SCOTT CO.

The More Power Puller®.....10-25

WINCHLINE

Tail Chain.....6-21

WIND SPEED MEASURER.....28-3

WINDOW WASHER LIFT.....18-18-19

WINDSOCKS.....17-37

WING

Nut.....26-42, 26-46, 26-52-53, 26-60
 Toggle.....26-4

WIRE

Caddies.....19-46
 Carts.....19-46
 Center Cord.....9-7
 Crimper.....19-48-49, 19-61-62, 19-72
 Cutting Pliers.....19-10
 Dispenser.....19-47
 End Caps, Insulated.....19-213
 Gauge.....19-31
 Grips.....19-84-85
 Hook Anchor.....16-10
 Mesh Slings.....6-12-13
 Mig.....31-12
 Music.....24-62
 Scratch Brushes.....24-24
 Soldering.....31-4-5, 31-9
 Stainless.....24-62
 Stands.....19-47
 Strippers.....19-61, 19-72

WIRE ROPE

Assemblies.....3-1, 3-3, 3-8-12
 Clips, Forged.....4-1
 Clips, Malleable.....4-2
 Clips, Stainless.....4-1, 4-37
 Cutter, Hydraulic.....19-102
 Cutter, Impact.....19-102
 Electric Hoist.....10-23-24
 Ferrules.....3-7-8
 Fist Grip.....4-2
 Fitting.....3-1-13
 Grips.....19-84-93
 Lubricant.....24-50
 Positive Grip Assemblies.....3-8-12
 Pullers.....10-24-27
 Rod Ends.....4-36-37
 Safety Nets.....16-18
 Shears, Insulated.....19-17, 19-212
 Sheaves.....5-7, 5-14-16
 Sleeves.....3-12-13
 Sockets.....3-1-4, 3-6-7, 3-10-11
 Studs.....3-5
 Swage Fittings.....3-3-5, 3-12-13
 Terminals.....3-2-12
 Winch Hoist.....10-24-27

Master Index

WIRE ROPE

7-Strand.....	1-16
Bridge Rope.....	1-16
Cable.....	1-18-20
Corrosion Resistant.....	1-17
Drag.....	1-13
Electrical Construction.....	1-14
Elevator.....	1-14
Flattened Strand.....	1-12
Galvanized Structural Strand.....	1-16
Galvanized Wire Strand.....	1-12
General Purpose.....	1-10
Herringbone.....	1-13
High Performance.....	1-12
Logging.....	1-15
Marine Application.....	1-14
Oil/Gas Drilling.....	1-15
Plastic Filled Valley.....	1-17
Rotation Resistant.....	1-11
Stainless.....	1-19
Strand Hoist.....	1-13
Surface Mining.....	1-13
Swage.....	1-15
Tower Power.....	1-11
Tramway.....	1-14
Underground Mining.....	1-14
Well Service.....	1-15

WIRE ROPE 101

Abrasion and Bending.....	1-4
Block Twisting.....	1-4-5
Calculating Drum Capacity.....	1-8
Common Abuses.....	1-5
Common Causes of Failure.....	1-6
Conversion Tables Metric/English.....	1-8
Cross Sections (illustrations).....	1-2
Design and Construction.....	1-1
Glossary.....	1-21-22
Inspection.....	1-3
Installation.....	1-7
Lay of Wire Rope.....	1-1
Lubrication.....	1-7
Matching Rope to Sheave and Drum.....	1-7-8
Matching Sheave Groove to Rope.....	1-8
Nominal Strength.....	1-3
Operating.....	1-7
Physical Properties.....	1-6
Rope Strength Design Factors.....	1-4
Selection Guide.....	1-6
Sheave Inspection.....	1-3
Weights.....	1-3
What Wire Rope Is.....	1-1
Wire Grades.....	1-1

WIRE ROPE CLIPS

Fist Grip® Clips.....	4-2
Forged.....	4-1
How to Install.....	4-1
Malleable.....	4-2
Stainless Steel.....	4-1, 4-37

WIRE ROPE, GENERAL PURPOSE

6 x 7 Classification.....	1-10
6 x 19 Classification.....	1-10

6 x 19 Seale.....	1-10
6 x 21 Filler Wire.....	1-10
6 x 25 Filler Wire.....	1-10
6 x 26 Warrington Seale.....	1-10
6 x 31 Warrington Seal.....	1-10
6 x 36 Warrington Seale.....	1-10
6 x 37 Classification.....	1-10
6 x 41 Seale Filler Wire.....	1-10
6 x 41 Warrington Seale.....	1-10
6 x 49 Seale Warrington Seale.....	1-10

WIRE ROPE SHEAVES

Bronze Bushed.....	5-7, 5-14-16
Roller Bearing.....	5-16
Tapered Bearing.....	5-16

WIRE ROPE SLINGS

Adjust-a-Leg.....	2-14
Basket.....	2-8
Braid-6 Part.....	2-12
Braid-8 Part.....	2-12
Bridle, 2-legged.....	2-7-9
Bridle, 3-legged.....	2-9
Bridle, 4-legged.....	2-10
Cable Laid.....	2-11
Eye and Eye.....	2-8
Flemished Eyes.....	2-9-10
Gator-Flex®.....	2-14
Grommet.....	2-11, 2-14
Hand Spliced Eyes.....	2-7
Mechanically Spliced.....	2-8-10
Round Body-4 part.....	2-13
Single Rope.....	2-7
Slingmax®.....	2-13-14
Strand Laid.....	2-11
Torpedo Lock (105B).....	2-8
Tri Flex®.....	2-13
With Sliding Choker Hook.....	2-7-8

WIRE TIES

Coils.....	28-2
Double Loop.....	28-2
Rebar.....	28-2
Reels.....	28-2
Tying Tools.....	28-2

WOOD

Block and Tackle.....	5-6
Boring Tools.....	19-39
Ladders.....	18-9-11, 18-15
Preservative, Ladders.....	18-11
Screws.....	26-35-36, 26-47, 26-54
Splitters.....	19-3-4

WORKERS CLAMP.....

WORKERS VISE.....

WOOD BORING

Auger Bits.....	22-1-3, 22-19
Forstner Bits.....	22-3
Holesaw.....	22-34
Paddle Bits.....	22-1
Self Feed Wood Bits.....	22-3, 22-19

WOOD/FIBERGLASS

Holesaw.....	22-34
--------------	-------

WOODRUFF

Keys.....	24-58, 24-60
-----------	--------------

WORK

Bench.....	19-54, 19-101
Bench.....	15-41-42, 19-54, 19-101
Belt.....	19-27, 19-75, 19-79-80
Belt Suspenders.....	19-76, 19-80
Cages.....	18-18
Center.....	15-42
Lights.....	29-3-7
Stand.....	18-6, 18-8
Station.....	15-42-44

WORK STATION

Cabinet Bench.....	15-41
Fans.....	30-13
Lamps.....	30-15
Mobile.....	15-41
Shop Desk.....	15-42
Work Bench.....	15-41-42, 19-50
Work Center.....	15-42

WORKSITE

Lights.....	29-5-7
Storage Boxes.....	19-49-51

WORM DRIVE

Saw.....	20-56
----------	-------

WORM GEAR

Winches.....	11-1, 11-6-8
--------------	--------------

WRAP

Fire.....	28-17-18
Pipe Fire Stop.....	28-13-15
Stretch.....	28-9

WRECKING

Ball.....	5-13
-----------	------

WRENCHES

Adjustable.....	19-184, 19-213
Adjustable Construction.....	19-184, 19-209
Basin.....	19-117
Bell System.....	19-65
Box.....	19-182-183
Calibrator, Torque.....	30-11
Chain.....	19-117, 19-207
Chain Pipe Tong.....	19-203
Combination.....	19-180-181, 19-208
Construction.....	19-65, 19-183-184, 19-209
Crow Foot.....	19-208-209
Drum.....	15-32
Engineers' Pipe.....	19-209
Erection.....	19-67
Hex.....	19-117
Hex Key.....	19-19-20
Impact, Cordless.....	20-23
Impact, Electric.....	20-13-14, 20-23, 20-50
Impact, Pneumatic.....	20-1, 20-13-14, 20-63, 20-66
Internal.....	19-117
Linemen.....	19-65-66
Locking.....	19-1
Metric.....	19-180-181, 19-183
Open End.....	19-181-182
Pipe.....	19-116, 19-120, 19-209

WRENCHES *continued...*

Ratchet.....	20-12, 12-68
Ratcheting Box.....	19-182-183
Round Die Stock	22-37
Soil Pipe	19-118
Spanner	19-185
Spud	19-209
Spud, Pipe	19-117
Strap.....	19-68, 19-117, 19-120
Striking Face.....	19-113-115, 19-184-185
Structural	19-185, 19-209
Tap.....	22-37
Three in One	19-209
Torque	19-206-207, 19-210
Torque, Pneumatic	20-15
Torque, Soil Pipe	19-128
WELDING TANK	31-11

Y

YOKE

Vises.....	19-128
------------	--------

Z

ZIP GUN

Tool Steel.....	21-1
-----------------	------

