



## Acrylic Crystal Clear

Crystal Clear Coatings provide a tough, long-lasting protective coating ideal for sealing porous surfaces. They also impede the fading of fluorescents and other paints.

- Guards against electrical failures
- Will not affect resistance values or conduct current
- Air dries in minutes
- Adds strength and water resistance
- Protects documents
- Meets MIL-C-17504B and TT-L-50G Type I and Type III performance requirements



Part No.	Description	Case Qty.
065-K01301	Acrylic Crystal Clear, Clear 11 Oz., Spray	6

## Tough Coat® Rebar Green Epoxy

Tough Coat® Rebar Green epoxy features a high-solids formula that ensures maximum coverage and performance. Tough Coat® delivers the ultimate in protection, durability, high gloss and color retention.

- Specially formulated for a variety of industrial applications
- Ideal for light- to heavy- duty painting projects, both indoors and outdoors
- Tough, protective coating resists chipping and peeling
- Excellent hiding characteristics
- Smooth, even coverage
- Fast-drying; dries to the touch in just 15 minutes



Part No.	Description	Case Qty.
065-K01732	Tough Coat®, Rebar Green, 16 Oz., Epoxy	12

## Heavy Duty Paint Remover

Heavy Duty paint remover is a fast-acting remover that cuts through all paint finishes (air-dry or baked). It also removes urethanes, varnish and shellac. Its catalyst action penetrates through gaskets, cements, decals, sealants, adhesives, tape residue and carbon deposits.

- NSF reg. no. 115076; C3 rated
- Makes removal of gasket cements, paints, sealants and adhesives easy
- Effective on metal, wood, glass, concrete, stone, brick, ceramic tile and other hard surfaces
- Removes hi-bake and air-dry paints, urethane finishes, varnish, shellac, decals
- Leaves surface clean, ready for repainting or installing new gasket



Part No.	Description	Case Qty.
065-S00615	Heavy Duty Paint Remover, 16 Oz., Aerosol	12

## Sprayon® Flash Free Safety Solvent & Degreaser

This non-flammable, fast-evaporating cleaner penetrates instantly to remove dirt, oil, grease and wax. Flash Free® Safety Solvent & Degreaser increases the life of electrical components by removing foreign materials that can cause costly downtime. Degreases more thoroughly and several times faster than alkaline cleaners.

- NSF reg. no. 115070; K2 rated
- Fast-acting solvent penetrates easily, evaporates quickly, leaves no residue
- Excellent cleaning properties make it ideal for removing grease, dirt, wax and metallic particles prevalent in most industrial plants
- Non-conductive, non-flammable
- Dielectric strength: 37,000 volts
- Aerosols include extension tubes and high-delivery nozzles for flush-type applications



Part No.	Description	Case Qty.
065-S20848	Sprayon®, Aerosol w/High Density Nozzle, 16 Oz.	12



## Snap & Spray Applicator Handle

Quickly transforms any spray can into a spray gun.



- Snaps onto any spray can
- Provides control
- Eliminates finger fatigue

Part No.	Description	Case Qty.
065-K07099	Snap & Spray, Spray Gun	12



## Lacledalloy®

Lacledalloy® Grade 80 Chain is American made, produced from the highest quality domestic alloy steel.

- Meets the specifications of the NACM, ASTM and OSHA



Part No.	Chain Size	Working Load Limit	Chain Length	Std. Pkg.
085-1019-543-02	9/32"	3,500	800 Ft.	1 Drum
085-1019-544-02	9/32"	3,500	400 Ft.	1 Drum
085-1023-543-02	5/16"	4,500	500 Ft.	1 Drum
085-1023-544-02	5/16"	4,500	275 Ft.	1 Drum
085-1026-543-02	3/8"	7,100	400 Ft.	1 Drum
085-1026-544-02	3/8"	7,100	200 Ft.	1 Drum
085-1033-543-02	1/2"	12,000	200 Ft.	1 Drum
085-1033-544-02	1/2"	12,000	75 Ft.	1 Drum

## High Test Chain

- Low carbon steel chain ideal for most tie-down applications
- Electronically welded and proof tested



Part No.	Chain Size	Working Load Limit	Chain Length	Std. Pkg.
085-1419-503-00	1/4"	2,600	135'	1
085-1419-543-00	1/4"	2,600	800'	1
085-1419-544-00	1/4"	2,600	400'	1
085-1423-503-00	5/16"	3,900	90'	1
085-1423-543-00	5/16"	3,900	550'	1
085-1423-544-00	5/16"	3,900	275'	1
085-1426-503-00	3/8"	5,400	63'	1
085-1426-543-00	3/8"	5,400	400'	1
085-1426-544-00	3/8"	5,400	200'	1
085-1433-543-00	1/2"	9,200	200'	1

## Transport Chain

- Electronically welded and heat treated
- Higher strength to weight ratio



Part No.	Chain Size	Working Load Limit	Chain Length	Std. Pkg.
085-3519-603-55	1/4"	3,150	135'	1
085-3519-643-55	1/4"	3,150	800'	1
085-3519-644-55	1/4"	3,150	400'	1
085-3523-503-55	5/16"	4,700	90'	1
085-3523-543-55	5/16"	4,700	550'	1
085-3523-544-55	5/16"	4,700	275'	1
085-3526-503-55	3/8"	6,600	63'	1
085-3526-543-55	3/8"	6,600	400'	1
085-3526-544-55	3/8"	6,600	200'	1
085-3533-501-35	1/2"	11,300	37'	1
085-3533-543-35	1/2"	11,300	200'	1
085-3533-544-35	1/2"	11,300	100'	1



## Load Binders



Part No.	Chain Size	Chain Rating	Working Load Limit	Std. Pkg.
<b>Lever Binder</b>				
085-8592-104-14	1/4"	1/4 G7	3,150	1
085-8592-106-14	5/16"	5/16 G7-3/8 G4	5,400	1
085-8592-108-14	3/8"	3/8 G7-1/2 G4	9,200	1
<b>Ratchet Binder</b>				
085-8592-234-14	1/4"	1/4 G70	3,150	1
085-8592-236-14	5/16"	5/16 G7-3/8 G4	5,400	1
085-8592-238-14	3/8"	3/8 G7-1/2 G4	9,200	1
085-8592-240-14	1/2"	1/2 G7-5/8 G4	13,000	1

## Security Chain

Made from quenches and tempered alloy steel. Square links designed to resist cutting.

- Lock Chain kits
- Corrosion resistant electro-galvanized finish
- Available in 10mm and 13mm sizes



Part No.	Description	Case Qty.
085-1970-103-34	Security Chain, 10MM and 13MM Sizes	1

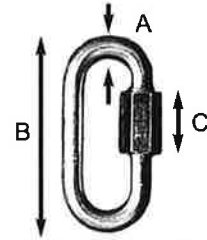
## Single Jack Chain

- Do not use for overhead lifting



Part No.	Chain Size	Feet per Carton	Weight per Carton (lbs.)
085-4219-512-04	#16	100	3

## Quick Links



Part No.	Size	A	B	C	Working Load Limit	Pieces per Carton	Weight per Carton (lbs.)
085-6590-024-04	1/4	15/64	1-29/32	21/64	880	20	8
085-6590-034-04	5/16	5/16	2-21/64	13/32	1,760	20	18

## Connecting Links



Part No.	Chain Size	Working Load Limit (lbs.)	Pieces per Carton	Weight of Carton (lbs.)
085-6750-205-04	1/4"	1,125	10	1
085-6750-305-04	5/16"	1,700	10	1
085-6750-406-04	3/8"	2,325	10	2

## Cold Shuts



Part No.	Chain Size	Working Load Limit (lbs.)	Pieces per Carton	Weight of Carton (lbs.)
085-6370-105-04	3/16"	500	10	.5
085-6370-205-04	1/4"	750	10	1
085-6370-305-04	5/16"	1,250	10	1
085-6370-405-04	3/8"	1,900	10	2

## Clevis Grab Hooks - Grade 70



Part No.	Chain Size	Working Load Limit (lbs.)	Pieces per Carton	Weight of Carton (lbs.)
085-3570-205-05	1/4"	3,150	10	5
085-3570-305-05	5/16"	4,700	10	8
085-3570-405-05	3/8"	6,600	10	12
085-3570-603-05	1/2"	11,300	5	15



## Alloy Clevis Grab Hooks - Grade 80

- Do not use for overhead lifting
- Also available in G100



Part No.	Chain Size	Working Load Limit (lbs.)	Pieces per Carton	Weight of Carton (lbs.)
085-1097-201-80	9/32"	3,500	1	.5
085-1097-301-80	5/16"	4,500	1	.7
085-1097-401-80	3/8"	7,100	1	1.2
085-1097-601-80	1/2"	12,000	1	2.4
085-1097-701-80	5/8"	18,100	1	4.8

## Transport Tow & Binder Chains - Clevis Type



Part No.	Chain Size	Length (ft.)	Working Load Limit (lbs.)	Pieces per Drum	Weight per Drum (lbs.)
085-3562-320-05	5/16	20	4,700	25	538
085-3521-626-57		25		20	535
085-3583-520-15	3/8	20	6,600	20	630
085-3582-825-05		25		15	590
085-3532-725-55	1/2	20	11,300	10	583

## High Test Tow & Binder Chains - Clevis Type



Part No.	Chain Size	Length (ft.)	Working Load Limit (lbs.)	Pieces per Drum	Weight per Drum (lbs.)
085-1421-812-58	5/16	20	3,900	25	425
085-1421-826-56		25		20	527
085-1424-865-60	3/8	20	5,400	20	635
085-1424-828-56		25		15	589

## Disposable Clothing



Part No.	Description	Std. Pkg.
128-850-18	18" Sleeves, Elastic on both Ends	100
128-850-20	20" Sleeves, Elastic on both Ends	100



## WetGuard Cord Connections

WetGuard products are engineered to meet or exceed UL and IEC Watertight standards.

15 Amp, 125V, Nema: 5-15, 2-P, 3-W, Grounding



15 Amp, 125V, Nema: 5L-15L, 2-P, 3-W, Grounding



Part No.	Description	Std. Pkg.
152-14W47	Watertight Straight Blade Plug	10
152-15W47	Watertight Connector with Cap	10
152-24W47	Watertight Locking Plug	10
152-25W47	Watertight Locking Connector with Cap	10



## DustGuard Cord Connections

15 Amp, 125V, Nema: 5-15, 2-P, 3-W, Grounding



Part No.	Description	Std. Pkg.
152-1447	DustGuard Straight Blade Plug	10
152-1547	DustGuard Connector	10

## The Leetonia Tool Company

### Scrapers And Punches

#### Double End Scraper



#### Backing-Out Punch



Part No.	Description	Std. Pkg.
049-392	10 1/2" Double End Scraper, 1 Lb.	48
049-393	15" Double End Scraper, 1 Lb.	48
049-500H-0375	3/8" Backing-Out Punch, Handled	1
049-500H-0500	1/2" Backing-Out Punch, Handled	1
049-500H-0625	5/8" Backing-Out Punch, Handled	1
049-500H-0750	3/4" Backing-Out Punch, Handled	1
049-500H-0875	7/8" Backing-Out Punch, Handled	1
049-500H-1000	1" Backing-Out Punch, Handled	1



## Harnesses And Belts

The Lewis HCB-B harness is a fall arrest harness boatswain's riding belt with a built-in seat for ensured comfort for extended periods of time. Can be used with or without seat board.



Part No.	Description	Std. Pkg.
121-10-1032	HCB-B, Regular Fall Arrest Harness	1
121-10-1033	HCB-B, Large Fall Arrest Harness	1

## Lewis Snap-on Cable Reinforced Derrick Belt



Part No.	Description	Std. Pkg.
121-10-1000	SC, Regular Reinforced Derrick Belt	1

## Oilfield Climbing Belt

- To be used with counterweight and pulley for climbing derricks.



Part No.	Description	Std. Pkg.
121-10-1027	HCB-1, Regular Climbing Belt	1

## Reinforced Monkey Board Belt



Part No.	Description	Std. Pkg.
121-12-1016	Type M, Small Reinforced Monkey Board Belt	1
121-13-1018	Type M, Large Reinforced Monkey Board Belt	1

## Buckle-on Cable Reinforced Derrick Belt



Part No.	Description	Std. Pkg.
121-10-1005	Type BC, Regular Buckle-on Cable Reinforced Derrick Belt	1



## Flexible Steel Tail Ropes

Made of finest grade plastic coated aircraft cable. Available in 1' through 14' lengths in 1' increments. Available with one snap hook and one 3" D-ring or snap hooks on both ends.



Part No.	Description	Std. Pkg.
121-20-2007	TR-4-D-PC 4' Tail Rope w/Snap Hook/D-Ring	1
121-20-2011	TR-6-D-PC 6' Tail Rope w/Snap Hook/D-Ring	1
121-20-2015	TR-8-D-PC 8' Tail Rope w/Snap Hook-D-Ring	1
121-20-2016	TR-8-S-PC Tail Rope w/Snaps on Both Ends	1
121-20-2019	TR-10-D-PC 10' Tail Rope w/Snap Hook/D-Ring	1
121-20-2020	TR-10-S-PC 10' Tail Rope Snap Hooks/Both Ends	1
121-20-2023	TR-12-D-PC 12' Tail Rope w/Snap Hook/D-Ring	1
121-20-2031	TR-16-D-PC 16' Tail Rope w/Snap Hook/D-Ring	1

## Snake Grips

The Lewis Snake Grip expands or contracts to grip different or identical cable and/or rope sizes as per the customer's needs. Save time stringing up, changing and unstringing because the snake requires no special tools. The swivel and swing link go smoothly through blocks and prevent line twisting. Install new cable by using old existing cable as pulling line. Always seize the ends of the grips by banding or taping.



Part No.	Description	Approx. Break Stgth.	Work Load
121-30-3001	LSG 1/4 - 1/2" Snake Grips	4,400 Lbs.	1,200 Lbs.
121-30-3003	LSG 1/2 - 1" Snake Grips	7,500 Lbs.	2,500 Lbs.
121-30-3007	LSG 1 - 1/2" Snake Grips	10,000 Lbs.	3,500 Lbs.
121-30-3009	LSG 1 - 1-1/2" - 2" Snake Grips	12,000 Lbs.	4,000 Lbs.
121-30-3011	LSG 2 - 2-3/4" Snake Grips	16,000 Lbs.	5,000 Lbs.

## Light Safety Cable

The Lewis Derrick Light Safety Cable is a reliable way to protect against the potential drop hazard of derrick light.



Part No.	Description	Std. Pkg.
121-80-1007	DLSC-1, Light Safety Cable, 450 Lbs.	1



## Dual-Element Time-Delay Fuse

Littelfuse FLSR series fuses have been the superior UL Class RK5 dual-element time-delay fuses, and are the most widely used class of fuses. FLSR series fuses provide excellent protection for all types of circuits especially those containing motors. However, users and specifiers should consider the significant benefits offered by Indicator fuses.



Part No.	Description	Std. Pkg.
177-FLSR100	100A 600V RK5 Time Delay Fuse	10 Ea.
177-FLSR15	15A 600V RK5 Time Delay Fuse	10 Ea.
177-FLSR20	20A 600V RK5 Time Delay Fuse	10 Ea.
177-FLSR25	25A 600V RK5 Time Delay Fuse	10 Ea.
177-FLSR30	30A 600V RK5 Time Delay Fuse	10 Ea.
177-FLSR40	40A 600V RK5 Time Delay Fuse	10 Ea.
177-FLSR50	50A 600V RK5 Time Delay Fuse	10 Ea.
177-FLSR60	60A 600V RK5 Time Delay Fuse	10 Ea.
177-FLSR70	70A 600V RK5 Time Delay Fuse	10 Ea.
177-FLSR80	80A 600V RK5 Time Delay Fuse	10 Ea.



199-00116



199-00216



199-00316



199-00416



199-00516



199-00720



199-00816



199-01020



199-01420



199-01516



199-02016

Part No.	Description	Std. Pkg.
199-00116	LPS 1 Premium Lubricant 16 Oz.	12 Ea.
199-00216	LPS 2 Heavy-Duty Lubricant 16 Oz.	12 Ea.
199-00316	LPS 3 Premier Rust Inhibitor 16 Oz.	12 Ea.
199-00416	LPS Electro Contact Cleaner 16 Oz.	12 Ea.
199-00516	LPS Cold Galvanize Corrosion Inhibitor 16 Oz.	12 Ea.
199-00720	LPS Instant Super Degreaser 20 Oz.	12 Ea.
199-00816	LPS Electra-X Contact Cleaner 16 Oz.	12 Ea.
199-01020	LPS HDX Heavy-Duty Degreaser 20 Oz.	12 Ea.
199-01420	LPS Pre Solve Orange Degreaser 20 Oz.	12 Ea.
199-01516	LPS Heavy-Duty Silicone Lubricant 16 Oz.	12 Ea.
199-02016	LPS TKX All-Purpose Lubricant 16 Oz.	12 Ea.





199-02416



199-02516



199-03116



199-03155



199-03520



199-03620



199-03816



199-04016



199-04516



199-05416



199-06828

Part No.	Description	Std. Pkg.
199-02416	LPS Chain Mate Chain & Wire Rope Lubricant 16 Oz.	12 Ea.
199-02516	LPS Force 842 Dry Moly Lubricant	12 Ea.
199-03116	LPS CFC Free Electro Contact Cleaner 16 Oz.	12 Ea.
199-03155	LPS CFC Free Electro Contact Cleaner 55 Gal.	1 Ea.
199-03520	LPS ZeroTri Heavy-Duty Degreaser 20 Oz.	12 Ea.
199-03620	LPS TriFree Brake Cleaner 20 Oz.	12 Ea.
199-03816	LPS White Lithium Grease w/PTFE 16 Oz.	12 Ea.
199-04016	LPS NoFlash Electro Contact Cleaner 16 Oz.	12 Ea.
199-04516	LPS Micro-X Fast-Evaporating Contact Cleaner 16 Oz.	12 Ea.
199-05416	LPS CFC Free NU LVC Contact Cleaner 16 Oz.	12 Ea.
199-06828	LPS SA-X-X-Treme Degreaser 30 Fl. Oz. Spray Bottle w/Trigger	12 Ea.



## Multi-Purpose Spray Lubricants



Part No.	Description	Std. Pkg.
069-L0135-063	Chain & Cable Fluid, 12 Oz. Cans	12
069-L0034-063	Spray Lube "A", 11 Oz. Cans	12
069-L0152-063	Gear Shield Extra Heavy, 11 Oz. Can	12
069-L0149-063	X-357, Xtreme Pressure Lube, 11 Oz.	12

## Greases & Lubricants

### Multi-Purpose, Petroleum-Based Greases



#### 1200-2 Series

- Heavy-Duty, General Purpose, Lithium grease.

Part No.	Description	Std. Pkg.
069-L0102-001	1200-2, 14 Oz. Cans	24
069-L0102-006	1200-2, 6 Lb. Cans	6
069-L0102-035	1200-2, 35 Lb. Pail	1
069-L0102-039	1200-2, 120 Lb., 1/4 Drum	1
069-L0102-098	1200-2, 14.5 Oz. Cartridges	40



#### 1500 Series

- Lithium Complex Grease.

Part No.	Description	Std. Pkg.
069-L0166-035	1552, 35 Lb. Pail	1
069-L0166-098	1552, 14.5 Oz. Cartridges	40



#### 1240 Series

- Lithium-polymer type, viscous, non-corrosive, extreme pressure grease.

Part No.	Description	Std. Pkg.
069-L0106-001	1242, 14 Oz. Cans	24
069-L0106-035	1242, 35 Lb. Pail	1
069-L0106-098	1242, 14.5 Oz. Cartridges	40



#### 1444 Series

- Tacky, Aluminum Complex Type Grease.

Part No.	Description	Std. Pkg.
069-L0227-035	1444, 35 Oz. Pail	1
069-L0227-098	1444, 14.5 Oz. Cartridges	40



#### 3000 Series

- Tacky, moly-lithium type, extreme pressure grease.

Part No.	Description	Std. Pkg.
069-L0108-035	3000, 35 Oz. Pail	1
069-L0108-098	3000, 14.5 Oz. Cartridges	40



#### 730 Series

- High performance, aluminum complex grease.

Part No.	Description	Std. Pkg.
069-L0085-006	730-2, 6 Lb. Cans	6
069-L0085-098	730-2, 14.5 Oz. Cartridges	40



## Greases & Lubricants

### Multi-Purpose, Petroleum-Based Greases (Cont.)



#### 630 Series

- Multi-purpose lithium-based grease.

Part No.	Description	Std. Pkg.
069-L0066-001	630-A, Grade 2, 14 Oz. Cans	24
069-L0067-001	630-AA, Grade 1, 14 Oz. Cans	24
069-L0067-006	630-AA, Grade 1, 6 Lb. Cans	6
069-L0067-035	630-AA, Grade 1, 35 Lb. Pail	1
069-L0067-086	630-AA, Grade 1, 1-3/4 Oz. Tubes	36
069-L0067-092	630-AA, Grade 1, 10 Oz. Tubes	36
069-L0072-098	630-2, 14-1/2 Oz. Cartridges	40



#### 930 Series

- Multi-Purpose Bentone-based grease.

Part No.	Description	Std. Pkg.
069-L0096-001	930-AA, Grade 1, 14 Oz. Cans	24
069-L0096-006	930-AA, Grade 1, 6 Lb. Cans	6
069-L0096-035	930-AA, Grade 1, 35 Lb. Pails	1
069-L0096-098	930-AA, Grade 1, 14.5 Oz. Cartridges	40
069-L0100-001	930-2, Grade 2, 14 Oz. Cans	24
069-L0100-006	930-2, Grade 2, 6 Lb. Cans	6
069-L0100-098	930-2, Grade 2, 14.5 Oz. Cartridges	40

### Multi-Purpose Synthetic Greases



#### SYN-1600 Series

- High performance, multi-purpose, poly-alphaolefin (PAO)-based, synthetic lithium complex greases.

Part No.	Description	Std. Pkg.
069-L0302-098	SYN-1602, 14.5 Oz. Cartridges	40



#### SYNXTREME HD-Series

- Extreme-duty, high-temp., synthetic, calcium sulfonate complex grease.

Part No.	Description	Std. Pkg.
069-L0401-098	SYNX HD-2, 14.5 Oz. Cartridges	40

### Specialty Greases & Oils

#### 105 Motor Assembly Grease

- A smooth, light bodied, grease for engine bearings, cylinder walls, and other moving internal engine parts.



Part No.	Description	Std. Pkg.
069-L0034-001	105, Motor Assembly, 14 Oz. Cans	24
069-L0034-006	105, Motor Assembly, 6 Lb. Cans	6
069-L0034-035	105, Motor Assembly, 35 Lb. Pail	1
069-L0034-063	Spray Lube "A", 11 Oz.	12
069-L0034-086	105 B, General Purpose, 1-3/4 Oz. Tubes	36
069-L0034-092	105, Gear Lube, 10 Oz. Tubes	36
069-L0034-094	105, Auto.-Marine Lube, 10 Oz. Tubes	36



#### High Temp

- Multi-purpose, high-temp., bentone grease.

Part No.	Description	Std. Pkg.
069-L0161-001	High Temp., 14 Oz. Can	24
069-L0161-098	High Temp., 14.5 Oz. Cartridge	40

#### Low Temp

- Multi-purpose, anhydrous calcium-based grease for cold temperatures.



Part No.	Description	Std. Pkg.
069-L0172-001	Low Temp., MP, 14 Oz. Can	24
069-L0172-098	Low Temp., MP, 14.5 Oz. Cartridges	40



## Specialty Greases & Oils (Cont.)

### Gear Shield Series

- Multi-purpose, open gear grease.



Part No.	Description	Std. Pkg.
069-L0152-000	Gear Shield, HD, 10-1/2 Oz. Cart	40
069-L0152-035	Gear Shield, HD, 35 Lb. Pail	1
096-L0152-063	Gear Shield, 11 Oz. Aerosol	12

### SPO Series

- Extra-duty anti-wear, rust, and oxidation inhibited (R&O) gear and bearing oils.



Part No.	Description	Std. Pkg.
069-L0246-035	SPO-266 Gear Oil, 35 Lb. Pail	1
069-L0247-035	SPO-277 Gear Oil, 35 Lb. Pail	1
096-L0248-035	SPO-288 Gear Oil, 35 Lb. Pail	1

### APG Series

- Heavy-duty, extreme pressure (EP) petroleum-based gear oils.



Part No.	Description	Std. Pkg.
069-L0030-035	APG-80W-90 3 EP Gear Oil, 35 Lb.	1
069-L0118-035	APG-90 5 EP Gear Oil, 35 Lb. Pail	1
096-L0124-035	APG-80W-140 6 EP Gear Oil, 35 Lb.	1

### Air Tool Lubricant

- Designed for both rotary and reciprocating types of air tools, such as hammers, impact wrenches, air motors, grinders, reamers and drills.



Part No.	Description	Std. Pkg.
069-L0713-054	Air Tool Lubricant, 1 Qt. Bottle	12



### LUBRIPLATE MAG-1

- Designed to provide lubrication over a wide temperature range from -60°F (-51°C) to +300°F (149°C). Lubriplate Mag-1 is a polymer type lubricant for both plain and anti-friction bearings, gears, cams and slides that will provide long service over a wide temperature range.

Part No.	Description	Std. Pkg.
069-L0489-098	Mag-1 Lith Polymer Type 14.5 Oz.	10



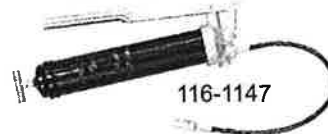
Lincoln...the brand the pros demand for quality lubrication tools

### Grease Guns - Heavy Duty Lever

- Rugged cast pump head for strength and durability
- Jam-proof toggle mechanism prevents binding or accidental bending of plunger
- Extra-heavy follower spring insures positive priming and uninterrupted pumping action
- Precision fit and hardened plunger prevents lubricant bypass, resists scoring for longer life
- Follower rod locks into follower to force prime



116-1142



116-1147



116-1133

Part No.	Description	Std. Pkg.
116-1142	HD Lever Type Grease Gun	1
116-1147	HD Lever Type Grease Gun w/18" Whip Hose	1
116-1133	Fast, One-Hand Operation w/18" Whip Hose & Coupler	1

## LINCOLN

Lincoln...the brand the pros demand for quality lubrication tools

### Grease Hose Extensions

Maximum working pressure 4500 PSI. Strategically placed coil spring provides non-slip, push-pull grip and prevents accidental "Kinking" which could cause hose ruptures.



116-5812

Part No.	Description	Std. Pkg.
116-5812	12", 1/8" NPT Extension Hose	1

### Little Joe Wipers

Carl A. Taylor



### "Little Joe" Line Wipers

Part No.	Description	Std. Pkg.
20-LittleJoe	"Little Joe" Line Wiper	1

## 3M

### Scotchrap Pipe Primer

A quick-drying, non-sag rubber base primer that permeates metal surface pits and irregularities, preparing the surface for tape application.



037-42768

Part No.	Description	Std. Pkg.
037-42768	Scotchrap Pipe Primer, 1 Gal.	4

### Scotchrap 50

Corrosion protection tapes are tough, polyvinyl chloride (PVC) tapes with high-tack adhesives that resist corrosion of metals piping systems above and below ground.



Part No.	Description	Std. Pkg.
037-10638	Scotchrap Pipe Wrap #50, 2"	24
037-10646	Scotchrap Pipe Warp #50, 4"	12
037-15785	Scotchrap Pipe Wrap #50, 6"	8

### Electrical Tape

#### Super 33+ Vinyl Electrical Tape

Black, 7 mil tape, combines the flexibility of a PVC backing with excellent electrical insulating properties to provide primary electrical insulation for splices up to 600V. Abrasion-, corrosion-, and UV-resistant.



037-06132

Part No.	Description	Std. Pkg.
037-06132	33+ Vinyl Electrical Tape	10

#### Super 88 Premium Vinyl Electrical Tape

Better mechanical/abrasion resistance and is thicker (8.5 mil) for quicker build-up. Combines the flexibility of a PVC backing with excellent electrical insulating properties to provide insulation for splices up to 600v.



037-06143

Part No.	Description	Std. Pkg.
037-06143	Super 88 Vinyl Electrical Tape	10

#### Highland Vinyl Electrical Tape

Black, 7 mil tape is a flexible, stretchy, conformable, commercial grade vinyl, that is flame retardant.



037-16720

Part No.	Description	Std. Pkg.
037-16720	Highland Vinyl Electrical Tape	10







## The MAGLITE Family

### MAGLITE D-Cell

- Water and shock resistant
- High-intensity adjustable spot-to-flood beam
- Spare lamp safely secured inside the tailcap



Part No.	Description	Std. Pkg.
104-S2D016	MAGLITE 2 D Cell, Black	12
104-S3D016	MAGLITE 3 D Cell, Black	12
104-S4D016	MAGLITE 4 D Cell, Black	12
104-S5D016	MAGLITE 5 D Cell, Black	12
104-S6D016	MAGLITE 6 D Cell, Black	12
104-S2D016	MAGLITE 2 D Cell, Silver	12
104-S3D026	MAGLITE 3 D Cell, Camo	12
104-S3D116	MAGLITE 3 D Cell, Blue	12

### MAGLITE C-Cell



Part No.	Description	Std. Pkg.
104-S2C016	MAGLITE 2 C Cell, Black	12
104-S3C016	MAGLITE 3 C Cell, Black	12
104-S4C016	MAGLITE 4 C Cell, Black	12

### MAGLITE AA & AAA 2-Cell



104-M2A016

104-M3A016



104-K3A016

Part No.	Description	Std. Pkg.
104-K3A016	MAGLITE Solitaire 1 Cell AAA	12
104-M2A016	MAGLITE Mini-Mag AA	12
104-M3A016	MAGLITE Mini-Mag AAA	12
104-M2A026	MAGLITE Mini-Mag AA, Camo	12

### MAG-Charger® Rechargeable Flashlight System

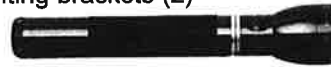
- High intensity halogen lamp (50-hour rating)
- 51,700 peak beam candlepower
- 5-cell (1/2-D) nickel cadmium battery pack. Rechargeable up to 1,000 times.

#### All rechargeable systems include:

- Rechargeable flashlight
- Charging cradle
- Battery pack
- Mounting brackets (2)



104-RN1019



104-RX2019



Part No.	110v Converter	Cigarette Lighter Adapter (12v)	230v Converter	Straight Wire only (12v)
104-RN1019	x	x		x
104-RX2019		x		
104-RX3019	x			
104-RX4019		x	x	
104-RX5019			x	
104-RX6019	x			x
104-RX7019				x

The x shows the charging component included in each system

### MAGLITE® Mounting Brackets

#### D-Cell Belt Holder

Full grain leather, durable nylon cradle  
104-ASXD036



#### D-Cell Mounting Brackets

Includes (4) phillips pan head screws (#8 x 3/4")  
104-ASXD026

### MAGLITE® Replacement Bulbs

Krypton Part No.	Xenon Part No.	Size/Cell	Std.Pkg.
104-LWSA201	104-LMAS201	C & D 2-cell	12
104-LWSA301	104-LMAS301	C & D 3-cell	12
104-LWSA401	104-LMAS401	C & D 4-cell	12
104-LWSA501	104-LMAS501	C & D 5-cell	12
104-LWSA601	104-LMAS601	C & D 6-cell	12



### Rechargeable Halogen Replacement Lamp



Part No.	Description	Std. Pkg.
104-LR00001	Rechargeable Replacement Lamp	12





## Magnolia Brush

### Floor Brooms

#### No. 7 Line Floor Brushes

100% black horsehair, staple set in half-round clear lacquered hardwood block.  
Recommended use: For sweeping smooth, dry floors, such as tile, linoleum, terrazzo, waxed and polished wood floors, etc.

- Length of Trim: 3 inches
- Packed in individual cartons
- Includes No. M-60 Handle
- No. 99 brace included with 055-736



Part No.	Size	Doz. Wt.
055-724	24 Inches	41 Lbs.
055-736	36 Inches	62 Lbs.

#### No. 10 Line Floor Brushes

100% select black tampico. Staple set in clear lacquered half-round hardwood block.  
Recommended use: for dry sweeping semi-smooth floors.

- Length of Trim: 3 inches
- Packed in individual cartons
- Includes No. M-60 Handle



Part No.	Size	Doz. Wt.
055-1024	24 Inches	42 Lbs.

#### No. 18 Line Floor Brushes

- Length of Trim: 2-1/2 inches
- Packed in individual cartons
- Includes No. A-60 Handle



Part No.	Size	Doz. Wt.
055-1818	18 Inches	34 Lbs.

#### No. 11 Line Floor Brushes

Dark red coarse gauge polystyrene plastic in center rows. Fine gauge black plastic in border rows.

Recommended use: For wet or dry sweeping. The coarse plastic bristles in the center rows sweep the heavy debris while the finer plastic on the boarder sweep the finer dirt. Good on rough or smooth concrete, asphalt, wood, etc.

- Length of Trim: 3 inches
- Packed in individual cartons
- Includes No. M-60 Handle



Part No.	Size	Doz. Wt.
055-1124	24 Inches	41 Lbs.

#### No. 19 Line Floor Brushes

Yellow plastic bristles. Staple set in dense hole pattern in clear lacquered half-round hardwood block.

Recommended use: For wet or dry sweeping. This floor brush comes the closest to being the all-around floor brush. It will sweep fine dust or coarse debris.

- Length of Trim: 3 inches
- Packed in individual cartons
- Includes No. M-60 Handle
- No. 99 brace included with 055-1936



Part No.	Size	Doz. Wt.
055-1924	24 Inches	41 Lbs.
055-1936	36 Inches	62 Lbs.

### Garage Brooms

#### No. 14 Line Garage Brushes

Prime stiff Palmyra fiber. Staple set in clear lacquered streamlined hardwood block.  
Recommended use: For wet or dry sweeping under rough conditions such as wet and greasy concrete floors in service stations, packing houses, creameries, etc.

- Length of Trim: 4 inches
- Packed in individual cartons
- Includes No. B-60 Handle



Part No.	Size	Doz. Wt.
055-1418	18 Inches	43 Lbs.
055-1424	24 Inches	50 Lbs.



## Magnolia Brush

### Garage Brooms (Cont.)

#### No. 17 Line Floor/Garage Brushes

Steel wire and black tampico in center rows. Border is black horsehair and plastic mixture. Staple set in clear lacquered half-round hardwood block.

Recommended use: For dry sweeping rough or smooth concrete and asphalt paved floors such as machine shops and indoor parking lots.

- Length of Trim: 3 inches
- Packed in individual cartons
- Includes No. B-60 Handle



Part No.	Size	Doz. Wt.
055-1718	18 Inches	41 Lbs.

### A-Line Floor Brooms

#### No. 35A Line Floor Brushes

Center rows coarse brown plastic and border rows silver flagged-tip plastic. Staple set in clear lacquered hardwood block with two threaded handle holes.

Recommended use: the coarse plastic center rows sweep the coarse dirt while the fine flagged-tip plastic sweeps the fine dust and dirt. For dry sweeping smooth or rough floors that have heavy dust and dirt accumulations.

- Length of Trim: 3 inches
- Packed in individual cartons
- Does not include handle or brace



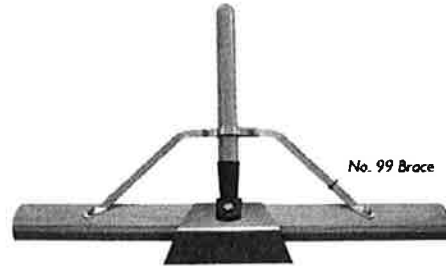
Part No.	Size	Doz. Wt.
055-3524-A	24 Inches	35 Lbs.

### Heavy Duty Handle Brace

Heavy-duty handle brace made of aluminum bar stock.

Complete with all hardware.

- Packed 1 dozen per carton



Part No.	Description	Doz. Wt.
055-99	Handle Brace	3 Lbs.

### Street Brooms

#### Palmyra Stalk

Dyed Palmyra Stalk. Staple set in smooth sanded hardwood block. Wide flare on ends allows close sweeping to curbs.

Recommended use: for wet or dry sweeping in dairy barns, street sweeping, highway work, etc.

- Length of Trim: 6-1/4 inches
- Packed 1/2 dozen per carton
- Price does not include handle
- Required standard tapered handle



Part No.	Size	1/2 Doz. Wt.
055-1516P	16 Inches	18-1/4 Lbs.



## Magnolia Brush

### Counter Dusters

#### Beaver-Tail Counter Duster

Filling material is staple set in clear lacquered hardwood block. Hang up hole in handle. Brush face length: 9 inches. Overall length: 13-1/2 inches.

- Length of Trim: 2-1/2 inches
- Packed in individual cartons
- One dozen to master carton



Part No.	Description	Doz. Wt.
055-54	Black Horsehair	10 Lbs.

### Household Brooms/Dust Pans

#### Angle Broom

Large angle broom, flagged cream colored plastic is secured in an angled plastic cap. 12" angled sweeping surface enables you to sweep hard to reach corners and crevices. 48" metal handle.

- 55" overall length
- 6-3/4" trim at peak
- Head size: 9"
- Price & weight includes handles
- One dozen per master carton
- Handles packed separately



Part No.	Description	Doz. Wt.
055-463	Flagged Plastic	19-1/2 Lbs.

#### Metal Dust Pan

Black metal janitor dust pan is 20 gauge steel. Baked enamel finish is durable with beveled edge. Corrugated ribs add to strength.

- Packed 1 dozen per carton



Part No.	Size	Doz. Wt.
055-6	12 Inch Edge	15 Lbs.

### Household/Miscellaneous

#### Coffee Urn Gauge Glass Brush

Stiff horsehair fiber. Twisted wire construction. Rust proof wire. Overall length: 24 inches. Brush length: 5-5/8 inches x 5/8 inch diameter.

- Packed one dozen per carton



Part No.	Description	Doz. Wt.
055-546	Stiff Horsehair	2 Lbs.

#### Tube Brushes

Black nylon twisted in wire. Ideal for internal cleaning in industrial laboratory and food services.

- Packed one dozen per carton



Part No.	Size	Doz. Wt.
055-540	18" overall, 5/8" diameter	1 Lb.
055-541	18" overall, 3/4" diameter	1 Lb.
055-542	18" overall, 1" diameter	1 Lb.
055-544	30" overall, 1" diameter	1-1/2 Lbs.
055-545	16" overall, 7/8" diameter	1-3/4 Lbs.

### Mop Buckets

#### Plastic Mop Bucket Combo with Wringer

Yellow mop bucket with wringer designed for durability. Bucket accommodates 26 to 35 qts. and is corrosion resistant. No cracks or crevices to collect dirt. Wringer is resistant to cleaning chemicals. Comes with standard 3" ball bearing casters.

- Diameter w/casters: 11-7/8" D x 18-3/8" L x 15-5/16" W
- Packed individually on per carton



Part No.	Description	Wt.
055-6035-3	Plastic Mop Bucket Combo with Wringer	20 Lbs.



## Magnolia Brush

### Galvanized Items

#### Galvanized Pails

Hot-dipped galvanized pail. Superior quality to pre-galvanized pails. Durable and long-lasting containers for liquids. Will not crack or leak.



Part No.	Description	Std. Pkg. / Wt.
055-8	8 Qt. Pail	12 pc. / 18-1/2 Lbs.
055-10	10 Qt. Pail	12 pc. / 21 Lbs.
055-20	24.04 Qt. Pail	12 pc. / 40 Lbs.

#### Squeegees

##### Straight Squeegee with Tapered Handle Socket

Squeegee frame is made of 1" angle aluminum to which a 2" wide x 1/4" thick strip of high-grade flexible black squeegee rubber or neoprene is attached with cadmium plated screws. These squeegees are available with two different types of handle assembly.

- Packed 6 squeegees per carton
- Includes handle



Part No.	Description	Ctn. Wt.
055-4118-TPW/H	18" Black Rubber Straight Squeegee w/Handle	11 Lbs.
055-4124-TPW/H	24" Black Rubber Straight Squeegee w/Handle	13 Lbs.
055-4130-TPW/H	30" Black Rubber Straight Squeegee w/Handle	16 Lbs.
055-4136-TPW/H	36" Black Rubber Straight Squeegee w/Handle	19 Lbs.
055-4118-TPNW/H	18" Neoprene Straight Squeegee w/Handle	11 Lbs.
055-4124-TPNW/H	24" Neoprene Straight Squeegee w/Handle	13 Lbs.

##### Curved Squeegee with Tapered Handle Socket

- Packed 6 squeegees per carton
- Includes handle



Part No.	Description	Ctn. Wt.
055-4624-TPW/H	24" Black Rubber Curved Squeegee w/Handle	13 Lbs.
055-4636-TPN/W	36" Neoprene Curved Squeegee w/Handle	19 Lbs.

### Wire Brushes

#### Butcher Block Brush

Tempered flat steel wire. Staple set in smooth wax tumbled hardwood block.

- Block size: 7-3/4" L x 2-5/8" W
- Length of trim: 1-1/4 inches
- Packed 1 dozen per carton



Part No.	Description	Doz. Wt.
055-101	5 Rows x 10 Rows	10 Lbs.

#### Straight Handle Scratch Brush with Scraper

Wire staple set in smooth wax tumbled hardwood block.

- Block size: 11-1/2" L x 1-1/2" W
- Trim: 1-9/16"
- Packed 1 dozen per carton



Part No.	Description	Doz. Wt.
055-8SC	Steel Wire	8 Lbs.

#### Straight Back Wire Scratch Brush

Round carbon steel wire. Staple set in smooth sanded hardwood block.

- Block size: 7-1/8" L x 2-1/4" W
- Length of trim: 1-3/4 inches
- Packed 1 dozen per carton



Part No.	Description	Doz. Wt.
055-5S	6 Rows x 19 Rows	9 Lbs.



## Magnolia Brush

### Paint Trays/Frames

#### Good Value Frames

Frame made of 1/4" chrome plated steel, 4 wire cage and reinforced handle socket.

- Standard pack 24 per carton



Part No.	Size	Ctn. Wt.
055-300-014	3 Inch	7-1/2 Lbs.
055-400-014	4 Inch	9 Lbs.
055-900-014	9 Inch	13 Lbs.

### Paint Trays

- Packed 24 per carton
- Bright Metal Try



Part No.	Size	Ctn. Wt.
055-MET-100	9 Inch	17 Lbs.

### Paint Sundry

#### Professional China Bristle Paint Brushes

100% China Bristles are epoxy set in a smooth sanded natural wooded handle. Professional quality for industrial or household use. Recommended for use with oil based paints, varnishes, stains and enamels.

- Beavertail



Part No.	Size	Std. Pkg. / Ctn. Wt.
055-250-1	1 Inch	12 / 1 Lb.
055-250-2	2 Inch	12 / 1-3/4 Lbs.
055-250-3	3 Inch	12 / 2-3/4 Lbs.
055-250-4	4 Inch	6 / 1-3/4 Lbs.

### Angle Sash Brushes

Angled bristle epoxy set in a smooth sanded natural wooded handle with stainless steel ferrule. Allow for easy painting in corners and other places that are hard to reach with a regular straight brush.

Recommended for use with oil based paints, varnishes, stains and enamels.



Part No.	Size	Std. Pkg. / Ctn. Wt.
055-251-1.5	1-1/2 Inch	12 / 1-3/4 Lbs.
055-251-2	2 Inch	12 / 2-1/2 Lbs.

### Paint Roller Covers

#### Good Value Cover

100% synthetic fiber attached to a 3-ply phenolic core backing.

- Packed 24 per carton



Part No.	NAP	Ctn. Wt.
055-9TU038	3/8 Inch	6-1/2 Lbs.

#### Heavy Duty Cover

100% synthetic fiber attached to a 4-ply phenolic core backing.

- Packed 24 per carton



Part No.	Size	Ctn. Wt.
055-3SC050	3 Inch with 1/2 Inch Nap	3 Lbs.
055-4SC050	4 Inch with 1/2 Inch Nap	3 Lbs.



## Magnolia Brush

### Automotive/Detail

#### Handy Cleaning Brushes

Filling material is staple set in toothbrush-style plastic handle. This brush is designed for general cleaning in the metal plating and finishing industries. Also, for cleaning of small parts, seams and soldered joints in the aeronautics and electronics industries.

- Block size: 7" L x 7/16" W
- Length of trim: 1/2 inch
- Packed 3 dozen per carton



Part No.	Description	Ctn. Wt.
055-270	Stainless Steel	1-1/2 Lbs.
055-271	Brass Wire	1-1/2 Lbs.

#### Vehicle Squeegees

8" deluxe steel head with 20" wood handle. EPDM rubber blade. Heavy duty nylon net. Heavy duty sponge.

- 24" overall length
- Red handled / yellow head
- Packed 12 unassembled



Part No.	Size	Doz. Wt.
055-59053	8" Deluxe Steel Head	11 Lbs.

### Detail/Miscellaneous

#### Wash Mitts

Made of long lasting, soft synthetic fleece. Each mitt is individually packaged in a clear plastic bag. Ideal for washing and cleaning.

- Packed 1 dozen per carton



Part No.	Size	Doz. Wt.
055-402	8" x 12" Mitt with Cuff & Thumb	3 Lbs.

# Makita

## 18V LXT® Lithium-Ion Impact Driver

### 3-Speed Brushless Motor



- 3-speed power selection switch (0 - 1,300, 0 - 2,000, 0 - 2,600 RPM & 0 - 1,300, 0 - 2,800, 0 - 3,400 IPM) provides precise fastening control
- Makita-built, brushless motor delivers 1,420 in. lbs. of max torque
- Warning light and L.E.D. light flash when it is time to recharge battery

**Model BTD144 Includes:** 2 ea., battery BL1830, Rapid Optimum Charger (DC18RA), Tool case (824774-7)

105-BTD144

**Model BTD144Z:** Tool only - Battery, charger and case not included.

#### Specifications:

Hex shank	.....	1/4"
No load speed	.....0 - 1,300/0 - 2,000/0 - 2,600 RPM	
Impacts per minute	.....0 - 1,300/0 - 2,800/0 - 3,400 IPM	
Maximum torque	.....	1,420 in. lbs./160N•m
Battery	.....	18V LXT Lithium-Ion
Overall length	.....	5-1/2"
Net weight	.....	3.3 lbs. (w/battery)
Shipping weight	.....	10.3 lbs.

## 18V LXT® 1/2" Hammer Driver-Drills

### 2-Speed, Variable Speed, with Light



- Makita-built 4-pole motor delivers 450 in. lbs. of max torque and 285 in. lbs. of PTI torque
- 2 speed (0 - 400 & 0 - 1,500 RPM) covers a wide range of drilling and driving applications
- Compact design at only 8" long and weighs only 4.0 lbs.
- Soft grip handle provides increased comfort on the job

105-BDF452

**Model BDF452 Includes:** 2 ea., battery BL1830, Rapid Optimum Charger (DC18RA), Tool case (824774-7)

**Model BDF452Z:** Tool only - Battery, charger and case not included.

#### Specifications:

Capacities:	.....	Steel (1/2"), Wood (1-1/2")
No load speed	.....0 - 400, 0 - 1,500 RPM	
Maximum torque	.....	450 in. lbs./51 N•m
PTI torque	.....	285 in. lbs.
Battery	.....	18V LXT Lithium-Ion
Overall length	.....	8"
Net weight	.....	4.0 lbs. (w/battery)
Shipping weight	.....	10.4 lbs.

## Makita

### 18V LXT® 1/2" Hammer Driver-Drills (Cont.)

#### 2-Speed, Variable Speed, with Light



105-BHP452

- Makita-built 4-pole motor delivers 450 in. lbs. of max torque
- 2 speed (0 - 400 & 0 - 1,500 RPM) covers a wide range of drilling, driving and hammer applications
- Compact design at only 8-3/4" long and weighs only 4.2 lbs.
- Built-in L.E.D. light illuminates the work area

**Model BHP452 Includes:** 2 ea., battery BL1830, Rapid Optimum Charger (DC18RA), Tool case (824774-7)

**Model BHP452Z:** Tool only - Battery, charger and case not included.

**Model BHP452A:** Features an Automotive Charger (DC18SE)

**Specifications:**

Capacities: . . . . . Steel (1/2"), Wood (1-1/2"), Masonry (1/2")  
 No load speed . . . . . 0 - 400, 0 - 1,500 RPM  
 Blows per minute . . . . . 0 - 6,000, 0 - 22,500 BPM  
 Maximum torque . . . . . 450 in. lbs./51 N•m  
 Battery . . . . . 18V LXT Lithium-Ion  
 Overall length . . . . . 8-3/4"  
 Net weight . . . . . 4.2 lbs. (w/battery)  
 Shipping weight . . . . . 11.0 lbs.

#### 2-Speed, Variable Speed, with Light



105-BHP454

- Makita-built 4-pole motor delivers 560 in. lbs. of max torque and 360 in. lbs. of PTI torque
- 2 speed (0 - 400 & 0 - 1,700 RPM) covers a wide range of drilling, driving and hammer applications
- Shift-lock™ Drive system quickly shifts between modes

**Model BHP454 Includes:** 2 ea., battery BL1830, Rapid Optimum Charger (DC18RA), Side handle (122822-9), Depth gauge (322223-3), Bit holder (419276-2), Screwdriver bits (784637-8), Tool case (824812-5)

**Model BHP454Z:** Tool only - Battery, charger and case not included.

**Specifications:**

Capacities: . . . . . Steel (1/2"), Wood (2-9/16"), Masonry (5/8")  
 No load speed . . . . . 0 - 400, 0 - 1,700 RPM  
 Blows per minute . . . . . 0 - 6,000, 0 - 25,500 BPM  
 Maximum torque . . . . . 560 in. lbs./63 N•m  
 PTI torque . . . . . 360 in. lbs.  
 Battery . . . . . 18V LXT Lithium-Ion  
 Overall length . . . . . 9-9/16"  
 Net weight . . . . . 5.3 lbs. (w/battery)  
 Shipping weight . . . . . 14.2 lbs.

### 18V LXT® 1/2" Impact Wrenches

#### Variable Speed, Reversible, with Light



105-BTW251

- Makita-built 4-pole motor delivers 170 ft. lbs. of max torque
- 0 - 2,100 RPM & 0 - 3,200 IPM for a wide range of fastening applications
- Compact design at only 6-1/2" long and weights only 3.8 lbs.
- Built-in L.E.D. light illuminates the work area
- Ergonomic shape fits like a glove with even pressure and easy control
- Soft grip handle provides increased comfort on the job

**Model BTW251 Includes:** 2 ea., battery BL1830, Rapid Optimum Charger (DC18RA), Contractor Bag (821016-X)

**Model BTW251Z:** Tool only - battery, charger and case not included.

**Specifications:**

Square drive . . . . . 1/2"  
 No load speed . . . . . 0 - 2,100 RPM  
 Impacts per minute . . . . . 0 - 3,200 IPM  
 Maximum torque . . . . . 170 ft. lbs./230 N•m  
 Battery . . . . . 18V LXT Lithium-Ion  
 Overall length . . . . . 6-1/2"  
 Net weight . . . . . 3.8 lbs. (w/battery)  
 Shipping weight . . . . . 12.6 lbs.

#### High Torque, with Light



105-BTW450

- Makita-built motor delivers 325 ft. lbs. of max torque
- 0 - 1,600 RPM & 0 - 2,200 IPM for superior fastening power
- Shock absorbent handle protects battery housing for extra durability
- Rocker switch for forward/reverse operation
- Soft grip handle provides increased comfort on the job
- Compact design at only 10-1/2" long and weights only 7.5 lbs.

**Model BTW450 Includes:** 2 ea., battery BL1830, Rapid Optimum Charger (DC18RA), Contractor Bag (821016-X)

**Model BTW450Z:** Tool only - battery, charger and case not included.

**Specifications:**

Square drive . . . . . 1/2"  
 No load speed . . . . . 1,600 RPM  
 Impacts per minute . . . . . 2,200 IPM  
 Maximum torque . . . . . 325 ft. lbs./440 N•m  
 Battery . . . . . 18V LXT Lithium-Ion  
 Overall length . . . . . 10-1/2"  
 Net weight . . . . . 7.5 lbs. (w/battery)  
 Shipping weight . . . . . 16.3 lbs.

## Makita

### 18V LXT® 1/2" Impact Wrenches (Cont.)

#### Impact Wrench with Tool Case



105-TW0350

- 1/2" drive
- Maximum torque of 260 ft. lbs.
- 2,000 impacts per minute
- 2,000 RPM
- 3.5 AMPS
- Rocker type switch, reversible
- Compact and light weight, 6.4 lbs.

#### Specifications:

Square drive	1/2"
No load speed	0 - 2,000 RPM
Impacts per minute	0 - 2,000 IPM
Maximum torque	260 ft. lbs.
AMPS	3.5
Net weight	6.4 lbs. (w/battery)
Shipping weight	11.0 lbs.

### 18V LXT® Recipro Saws

#### Variable Speed, with Light



105-BJR181

- Makita-built motor delivers 0 - 2,900 strokes per minute
- Large 2-finger variable speed trigger for added convenience
- Retractable tool hook secures the tool when not in use
- Soft grip handle provides increased comfort on the job
- Compact design at only 19-5/8" long and weighs only 8.2 lbs.
- Ergonomic shape fits like a glove with even pressure and easy control

**Model BJR181 Includes:** 2 ea., battery BL1830, Rapid Optimum Charger (DC18RA), 1 ea. Blade (723054-A, 723066-A), Tool case (824760-8)

**Model BJR181Z:** Tool only - battery, charger and case not included.

#### Specifications:

Length of stroke	1-1/8"
Max, cutting depth	Pipe (5-1/8"), Wood w/12" blade (10")
Strokes per minute	0 - 2,900 SPM
Battery	18V LXT Lithium-Ion
Overall length	19-5/8"
Net weight	8.2 lbs. (w/battery)
Shipping weight	17.7 lbs.

### 18V LXT® Recipro Saws (Cont.)

#### Bare Tool



105-BJR182Z

- Makita-built motor delivers 0 - 2,900 strokes per minute
- "Tool-less" blade change system and shoe adjustment
- Compact design at only 7.9 lbs. for reduced operator fatigue
- Soft grip handle provides increased comfort on the job
- Ergonomic shape fits like a glove with even pressure and easy control

**Model BJR182Z Includes:** Tool only - With 1 ea. blade; battery, charger and case not included

#### Specifications:

Length of stroke	1-1/8"
Max, cutting depth	Pipe (5-1/8"), Wood w/12" blade (10")
Strokes per minute	0 - 2,900 SPM
Battery	18V LXT Lithium-Ion
Overall length	17-3/4"
Net weight	7.9 lbs. (w/battery)
Shipping weight	8.0 lbs.

### 18V Compact Lithium-Ion Cordless

#### 1/2" Driver-Drill Kit



105-LXFD01CW

- Makita-built 4-pole motor delivers 480 in. lbs. of max torque and 290 in. lbs. of PTI torque
- Variable 2-speed (0 - 400 & 0 - 1,500 RPM) covers a wide range of drilling and driving applications
- Compact and ergonomic design at only 7-9/16" long and weights only 3.3 lbs. for reduced operator fatigue

**Model LXFD01CW Includes:** 2 ea., battery BL1815, rapid optimum charger (DC18RA), tool case (824953-7), tool belt clip (346034-2)

#### Specifications:

Capacity	Steel 1/2", Wood 1-1/2"
No load speed	Low 0 - 400 RPM, High 0 - 1,500 RPM
Max Torque	480 in. lbs.
PTI Torque	290 in. lbs.
Battery	18V Compact Lithium-Ion
Overall length	7-9/16"
Net weight	3.3 lbs. w/battery
Shipping weight	9.9 lbs.



## Makita

### Drills

#### 1/2" Drill



105-DP4000

- Powerful 7 AMP motor for heavy duty performance
- 900 RPM, variable speed, reversible
- Lightweight aluminum gear housing for durability
- Large trigger switch

#### 3/8" Drill



105-DP3002

- Powerful 7 AMP motor for heavy duty performance
- 1,200 RPM, variable speed, reversible
- Lightweight aluminum gear housing
- Large trigger switch

Part No.	Description
105-DP4000	1/2" Drill, 7 AMP, 900 RPM
105-DP3002	3/8" Drill, 7 AMP, 1,200 RPM

### 18V LXT® 4-1/2" Cut-Off/Angle Grinder

#### Torque Control

- Makita-built motor delivers 10,000 RPM for faster grinding
- Built-in L.E.D. protection circuit with over-torque control protects motor
- Compact design at only 12-1/2" long and weighs only 5.0 lbs.
- Soft grip handle provides increased comfort on the job
- Ergonomic shape fits like a glove with even pressure and easy control



105-BGA452

**Model BGA452 Includes:** 2 ea. battery BL1830, Rapid Optimum Charger, Cut-off wheel guard (135103-2), Grinding wheel guard (125273-5), Grinding wheel (741424-8-1), Cut-off wheel, Tool case (824767-4)

**Model BGA452Z:** Tool only - Battery, charger and case not included

#### Specifications:

Grinding/Cut-off wheel	4-1/2"
Wire cup brush	3-1/2"
No load speed	10,000 RPM
Battery	18V LXT Lithium-Ion
Spindle thread	.5/8"-11 UNC
Overall length	12-1/2"
Net weight	5.0 lbs. (w/battery)
Shipping weight	17.6 lbs.

### 18V Compact Driver Drill

#### 2 Pc. Combo Kit - Installers/Finishers



- Convenience
- Built-in L.E.D. light illuminates the work area

105-LCT200W

#### Specifications:

##### Includes:

Compact	1/2" Driver-Drill, BDF452
Compact	Impact Driver, BTD142
2 ea.	18V Compact Lithium-Ion Battery, BL1815
Rapid	Optimum Charger, DC18RA
Tool Bag	831274-0
Dimensions (LxWxH)	12" x 12" x 11"
Shipping weight	13.7 lbs.

### 18V Compact Impact Driver

#### Variable Speed, Reversible, with Light



105-BTD142HW

- Makita-built 4-pole motor delivers 1,280 in. lbs. of max torque
- 0 - 2,300 RPM & 0 - 3,200 IPM for a wide range of fastening applications
- Compact design at only 5-3/4" long and weighs only 2.9 lbs.
- Batteries charge in 15 minutes, 4x faster than 18V Ni-Cd
- Convenient 1/4" hex chuck for quick bit changes
- Ergonomic shape fits like a glove with even pressure and easy control
- Soft grip handle provides increased comfort on the job

**Model BTD142HW Includes:** 2 ea. battery BL1815, Rapid Optimum Charger (DC18RA), Tool case (824774-7)

#### Specifications:

Hex shank	1/4"
No load speed	0 - 2,300 RPM
Impacts per minute	0 - 3,200 IPM
Maximum torque	1,280 in. lbs./145 N·m
Battery	18V Compact Lithium-Ion
Overall length	5-3/4"
Net weight	2.9 lbs. (w/battery)
Shipping weight	9.3 lbs.

## Makita

### Rotary Hammers

#### 1-9/16" Rotary Hammer

Accepts SDS-Max Bits, Variable Speed

- 10 AMP motor delivers more power for the most demanding applications
- One-touch sliding chuck for quick bit changes
- 2-mode operation for "hammering only" or "hammering with rotation"
- Soft grip handle provides increased comfort on the job
- "No hammering when idling" helps increase tool life
- Chisel lock allows setting of chisel to 12 positions



105-HR4002

**Model HR4002 Includes:** Side handle (158131-0), Depth gauge (321248-4), Bit grease (194683-7), Tool case (158275-6)

**Specifications:**

Capacity: Concrete (w/core bits)	..... 4-1/8"
No load speed	..... 0 - 680 RPM
Blows per minute	..... 0 - 2,500
Impact energy	..... 5.8 J
AMPS (115V)	..... 10.0
Bit type	..... Accepts SDS-Max
Overall length	..... 18"
Net weight	..... 14.6 lbs.
Shipping weight	..... 17.0 lbs.

#### 1" Rotary Hammer

Accepts SDS-Plus Bits, Variable Speed, Reversible

- 0 - 1,000 RPM & 0 - 4,500 BPM for demanding applications
- 3-mode operation for "rotation only", "hammering with rotation" or "hammering only" for multiple applications
- Ergonomic D-shaped handle with rubberized soft grip for increased comfort and control
- One-touch sliding chuck for quick bit changes
- Built-in clutch reduces gear damage by disengaging gears if bit binds



105-HR2475

**Model HR2475 Includes:** Side handle (158057-6), Depth gauge (32419-0), Tool case (824695-3)

**Specifications:**

Capacities	..... Concrete 1", Steel 1/2"
No load speed	..... 0 - 1,100 RPM
Blows per minute	..... 0 - 4,500
Impact energy	..... 2.7 J
AMPS (115V)	..... 7.0
Bit type	..... Accepts SDS-PLUS
Overall length	..... 16-3/4"
Net weight	..... 6.6 lbs.
Shipping weight	..... 11.9 lbs.

### Angle Grinders

#### 4-1/2" Angle Grinder

- Powerful 6.0 AMP motor delivers 11,000 RPM
- Small diameter barrel grip (only 2-1/4") for added comfort
- Labyrinth construction seals and protects motor and bearings from contamination
- Machined bevel gears provide up to 2x longer service life than previous models



105-GA4530

**Model GA4530 Includes:** 4-1/2" Grinding wheel (741423-B), Wheel guard (122886-3), Lock-nut (224573-1), Lock nut wrench (782420-7), Side handle (153504-2), Inner flange (224377-1)

**Specifications:**

Grinding wheel/Sanding disc	..... 4-1/2"
Wire cup brush	..... 3-1/2"
No load speed	..... 11,000 RPM
Spindle thread (UNC)	..... 5/8" - 11"
AMPS (120V)	..... 6.0
Overall length	..... 10-1/2"
Net weight	..... 4.0 lbs.
shipping weight	..... 6.0 lbs.

#### 4-1/2" Angle Grinder with Aluminum Case

- 7.5 AMP
- 10,000 RPM
- AC/DC
- Paddle switch



105-9557PBX

Part No.	Description
105-9557PBX	4-1/2" Angle Grinder with Aluminum Case
105-9557PB	4-1/2" Angle Grinder Only

#### 5" Angle Grinder

- 9 AMP
- 10,000 RPM
- AC/DC
- Lock-on trigger switch



105-9005B

Part No.	Description
105-9005B	5" Grinder, 9 AMP AC/DC, 10,000 RPM, 6.6 Lbs.

## Makita

### Angle Grinders (Cont.)

#### 5" Paddle Switch Angle Grinder

- Super joint system (SJS) helps prevent gear damage
- Gear housing can be positioned every 90°
- Electronic speed control maintains constant speed under load
- Labyrinth construction protects motor and bearings from contamination
- Large paddle switch for comfortable operation
- "Tool-less" wheel guard for added versatility



105-9565PC

**Model 9565PC Includes:** 5" Grinding wheel (741407-8-1), Side handle (153489-2), "Tool-less" wheel guard (135108-2), Inner flange (224399-1), Lock nut (193465-4), Lock nut wrench (782424-9)

**Specifications:**

Grinding wheel/Sanding disc	.....5"
Wire cup brush	.....3-1/2"
No load speed	.....11,500 RPM
Spindle thread	.....5/8" - 11 UNC
AMPS (120V)	.....13.0
Lock-on: No	.....Lock-off: Yes
Overall length	.....12-1/8"
Net weight	.....5.3 lbs.
Shipping weight	.....7.2 lbs.

#### 6" Paddle Switch Cut-Off/Angle Grinder

- Super Joint System (SJS) helps prevent gear damage
- Refined design at only 5.5 lbs. for reduced operator fatigue
- Labyrinth construction seals and protects motor and bearings from contamination
- Large paddle switch for comfortable operation
- Electronic speed control maintains constant speed under load



105-9566PC

**Model 9566PC Includes:** 6" Cut-off wheel, Side handle (153489-2), Wheel guard (165486-6), Inner flange (224390-9), Lock nut (224574-9), Lock nut wrench (782424-9)

**Specifications:**

Grinding wheel/Sanding disc	.....6"
Wire cup brush	.....3-1/2"
No load speed	.....10,000 RPM
Spindle thread	.....5/8" - 11 UNC
AMPS (120V)	.....13.0
Lock-on: No	.....Lock-off: Yes
Overall length	.....12-1/8"
Net weight	.....5.5 lbs.
Shipping weight	.....7.2 lbs.

### Angle Grinders (Cont.)

#### 7" Angle Grinders

- 15 AMP motor delivers more output for increased performance
- Rotatable gear housing can be positioned every 90°
- Soft grip handle provides increased comfort on the job
- Protective zig-zag varnish seals armature for longer tool life



105-GA7021

**Model GA7021 Includes:** 7" Grinding wheel (741413-3), Side handle (152539-0), "Tool-less" wheel guard (122767-1), Inner flange (224317-9), Lock nut (193465-4), Lock nut wrench (782412-6)

**Specifications:**

Grinding wheel/Sanding disc	.....7"
Wire cup brush	.....6"
No load speed	.....6,000 RPM
Spindle thread	.....5/8" - 11" UNC
AMPS (115V)	.....15.0
Lock-on: Yes	.....Lock-off: No
Overall length	.....18-5/8"
Net weight	.....12.2 lbs.
shipping weight	.....15.4 lbs.

- 15 AMP
- 6,000 RPM
- Electric speed control, Variable Speed



105-GA7011C

- Durable metal housing
- 15 AMP
- 6,000 RPM
- AC/DC



105-GA7001L

Part No.	Description
105-GA7011C	7" Grinder, 15 AMP, AC, 6,000 RPM, 7.5 Lbs.
105-GA7001L	7" Grinder, Metal Housing, 15 AMP, 6,000 RPM

### Angle Sanders

#### 7" / 9" Angle Sander

- Rugged metal housing
- Accepts 7" or 9" wheels
- 15 AMP
- 6,000 RPM
- AC/DC



105-GA7911

Part No.	Description
105-GA7911	7"/9" Sander, Metal Housing, 15 AMP

## Makita

### Grinders

#### 1/4" Die Grinder

- Easy to handle at only 3.7 lbs.
- Anti-dust motor section
- Solid aluminum housing with stepped neck for added durability
- Vent slots designed to direct exhaust air away from the user
- Round-shaped collet nut reduces the possibility of damage



105-GD0601

**Model GD0601 Includes:** 2 ea. Wrench #13 (781039-9), Collet cone 1/4" (763625-8)

**Specifications:**

Collet	1/4"
No load speed	25,000 RPM
AMPS (115V)	3.5
Overall length	14-1/8"
Net weight	3.7 lbs.
Shipping weight	5.1 lbs.

- Easy-to-operate paddle switch
- Collet - 1/4"
- 25,000 RPM
- 3.5 AMPS
- Length - 14-1/8"



105-GD0600

Part No.	Description
105-GD0600	1/4" Die Grinder, Paddle Switch, 25,000 RPM

### Grinder Accessories

#### Hubbed General Purpose Metal Wheels

- For metal polishing and general flat grinding
- Aluminum oxide abrasive grains are evenly distributed to give a smooth surface



Part No.	Diameter	Thickness	Arbor Hole	Grit	Max. Safe RPM
105-741416-B-10	4-1/2"	1/4"	5/8"-11	24	11,900
105-741417-B-10	5"	1/4"	5/8"-11	24	11,000
105-741414-B-10	7"	1/4"	5/8"-11	24	8,500

### Grinder Accessories (Cont.)

#### Cut-Off Wheel

- For all ferrous materials steel and cast iron
- For masonry/concrete, marble, slate and more



Part No.	Diameter	Thickness	Arbor Hole	Grit	Max. Safe RPM
105-724107-5-10	4"	5/64"	5/8"	A46	14,000

#### General Purpose Hubbed Wheels for Metal, Wood and Plastic (Angled Type 29)

- Insures 90% of the abrasive material is in contact with the work surface, providing a superior cut rate and maximum disc life
- Works at 10° to 25° angle



Part No.	Diameter	Arbor Hole	Grit	Max. Safe RPM
105-741833-B-10	4-1/2"	5/8"-11	60	11,000
105-741834-B-10	4-1/2"	5/8"-11	80	11,000

### Metalworking Saws

#### Portable Band Saw Kit



105-2107FK-KIT

- 4-3/4" x 4-3/4" cutting capacity
- Powerful 6.5 AMP motor delivers 200 - 335 ft./min.
- Accepts standard 44-7/8" x 1/2" blade
- Variable speed dial
- Includes: 1 ea., band saw blade, hex wrench, wrench holder, plus tool case

#### Portable Band Saw Accessories

- Bi-Metal lasts up to 3x longer than carbon
- Cuts aluminum, copper, iron, mild steel, stainless steel and chrome



105-792557-A

Part No.	Workpiece Thickness	Teeth Per Inch
105-792557-A	44-7/8" x 1/2" x 020 Band Saw Blade on 1/4" x 1/2" Material	14

## Makita

### Metalworking Saws (Cont.)

#### Portable Band Saws

- Powerful 6.5 AMP motor delivers 200 - 335 ft./min. for cutting in a wide variety of materials
- Dual bearing blade guides and adjustable stopper plate
- Variable speed control dial to match the speed to the application
- Blade tightening lever for fast and easy blade installation
- Accepts standard 44-7/8" x 1/2" blade



105-2107F

**Model 2107F Includes:** 1 ea. Band saw blade (792559-A), Hex wrench (783202-0), Wrench holder (410048-8)  
**Model 2107FK Includes:** Same as 2107F plus tool case (824728-4)

**Specifications:**

Maximum cutting capacities:	.....Round workpiece 4-3/4"
	.....Rectangular workpiece 4-3/4" x 4-3/4"
No load speed	.....200 - 335 ft./min.
AMPS (120V)	.....6.5
Overall length	.....20-5/8"
Net weight	.....13.1 lbs.
Shipping weight	.....2107F (17.6 lbs.)
	.....2107FK (22.1 lbs.)

#### 14" Cut-Off Saw

- D-shaped handle for easy gripping
- Lock-off button helps prevent accidental starting
- Fence adjusts 45° right and left; 3 locations for various material sizes
- Quick release vise for secure stock retention and fast repeated cut-offs
- Spark diversion guard
- Adjustable depth stop for precise, repeatable cutting depth



105-2414NB

**Model 105-2414NB Includes:** 1 ea. Abrasive wheel (A-93859-5), Socket wrench (782210-8)

**Model 105-2414NBX2** Chop Saw/Grinder with 4-1/2" Angle Grinder, Paddle Switch

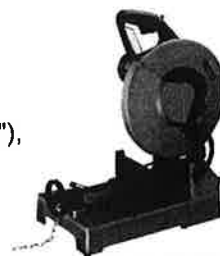
**Specifications:**

Blade diameter	.....14"
Arbor	.....1"
Max. cutting capacities	.....at 90° (4-1/2"), 45° (4-1/2")
No load speed	.....3,800 RPM
AMPS (115V)	.....15.0
Overall length	.....19-3/4"
Net weight	.....40.6 lbs.
Shipping weight	.....41.8 lbs.

### Metalworking Saws (Cont.)

#### 12" Metal Cutting Saw

- For cutting pipe, angle iron, etc.
- 1,300 RPM
- 15 AMP
- Max cutting capacities, at 90° (4-1/2"), 45° (3-1/2")



105-LC1230

**Model LC1230 Includes:** 1 ea. Carbide tipped blade (A-90532) lasts 50x longer than abrasive wheels

Part No.	Description
105-LC1230	12" Metal Cutting Saw, 1300 RP, 15 AMP

### Portable Cut-Off Saw Accessories

#### Ferrous Metal Abrasive Cut-Off Wheels

- Hard Materials
- Smooth Fast Cutting



105-A-93859-5

Part No.	Size	Grit
105-A-93859-5	14"	A36P

- For all ferrous materials, steel, cast iron and other metals
- Internal reinforced arbor



105-724603-3

Part No.	Size	Grit
105-724603-3	14" x 1/8" x 1"	A36P

## Makita

### Recipro Saws

#### Orbital, Variable Speed, Recipro Saw



105-JR3060T

- "Tool-less" blade change and shoe adjustment
- Variable speed control dial to match the speed to the application
- Powerful 12 AMP motor for improved performance
- Long 1-1/4" stroke for faster cutting
- All ball and needle bearings for longer tool life
- Heavy-duty shoe features "tool-less" adjustment
- Externally accessible brushes for easy maintenance

**Model JR3060T Includes:** 1 ea. Blade (723054-A, 723066-A), Tool case (824734-9)

**Specifications:**

Length of stroke	.....	1-1/4"
Strokes per minute	.....	0 - 2,800 SPM
AMPS (120V)	.....	12.0
Overall length	.....	19-1/8"
Net weight	.....	9.6 lbs.
Shipping weight	.....	15.6 lbs.

#### 18V LXT Recipro Saw Variable Speed, with Light



105-BJR181

- Makita-built motor delivers 0 - 2,900 strokes per minute
- Large 2-finger variable speed trigger for added convenience
- Retractable tool hook secures the tool when not in use
- Soft grip handle provides increased comfort on the job
- Compact design at only 19-5/8" long and weights only 8.2 lbs.
- Ergonomic shape fits like a glove with even pressure and easy control

**Model BJR181 Includes:** 2 ea. Battery BL1830, Rapid Optimum Charger (DC18RA), 1 ea. Blade (723054-A, 723066-A), Tool case (824760-8)

**Model BJR181Z:** Tool only - Battery charger and case not included

**Specifications:**

Length of stroke	.....	1-1/8"
Max cutting depth	.....	Pipe (5-1/8"), Wood w/12" blade (10")
Strokes per minute	.....	0 - 2,900 SPM
Battery	.....	18V LXT Lithium-Ion
Overall length	.....	19-5/8"
Net weight	.....	8.2 lbs. (w/battery)
Shipping weight	.....	17.7 lbs.

### Recipro Saw Accessories

#### Recipro 6 Piece Assortment Pack

**Model 723086-A-A Includes:** 1 ea. Nail embedded wood, hard and soft wood, particleboard, plastic pipe from 1/4" - 4", 6 (TPI), (723054-A)  
 Nail embedded wood, metal, bar and pipe over 1/4", 10 (TPI), (723064-A)  
 Pipe, conduit, channels, metal from 1/8" - 3/16", 18 (TPI), (723066-A)  
 Pipe, conduit, channel, metal from 3/16" - 1/4", 18 (TPI), (723061-A)  
 Progressive tooth spacing for fast cuts in metal, conduit, plastic, Progressive (TPI), (723079-A)  
 Progressive tooth spacing for all-purpose fast cuts in variety of wood, metal, plastic, Progressive (TPI), (723080-A)



Part No.	Description	Std. Pkg.
105-723086-A-A	6 Pc. Bi-Metal Pack	1 Each

## LA-CO<sup>®</sup> Markal<sup>®</sup>

### Industrial Markers

#### Valve Action<sup>®</sup> Paint Markers



- Markers with real paint, dries in 3 minutes
- Long lasting weather- water- and UV-resistant marks
- Marks on all surfaces including: metal, wood, glass, plastic, rubber, cardboard and paper
- Tip size 1/8"
- Improved "flowmatic" valve releases paint on-demand for smooth, continuous use
- Marking range -50°F to 150°F

Part No.	Description	Std. Pkg.
043-96809	Brown Valve Action <sup>®</sup> Marker	12
043-96820	White Valve Action <sup>®</sup> Marker	12
043-96821	Yellow Valve Action <sup>®</sup> Marker	12
043-96822	Red Valve Action <sup>®</sup> Marker	12
043-96823	Black Valve Action <sup>®</sup> Marker	12
043-96824	Orange Valve Action <sup>®</sup> Marker	12
043-96825	Blue Valve Action <sup>®</sup> Marker	12
043-96826	Green Valve Action <sup>®</sup> Marker	12
043-96830	Pink Valve Action <sup>®</sup> Marker	12
043-96832	Aluminum Valve Action <sup>®</sup> Marker	12

## LA-CO<sup>®</sup> Markal<sup>®</sup>

### Industrial Markers (Cont.)

#### Valve Action<sup>®</sup> Paint Markers Fluorescent



- Ideal on metal, plastic, wood, rubber, ceramic, glass and stone
- Fluorescent colors perform best in low light conditions or under black light. Not recommended for extended outdoor uses or in nuclear power applications
- Marking temperature range -50°F to 150°F (-46°C to 66°C)

Part No.	Description	Std. Pkg.
043-97050	Yellow Fluorescent Valve Action <sup>®</sup> Marker	12
043-97051	Green Fluorescent Valve Action <sup>®</sup> Marker	12
043-97052	Orange Fluorescent Valve Action <sup>®</sup> Marker	12
043-97053	Pink Fluorescent Valve Action <sup>®</sup> Marker	12

#### Pro-Line<sup>®</sup> HP Paint Markers



- Unsurpassed writing capability on oily, soapy and wet surfaces
- Excellent on most types of metals, coatings, plastics, glass, ceramics and other non-porous surfaces
- Leaves permanent, highly visible marks that dry quickly and resist wearing and fading
- Marking temperature range -50°F to 150°F (-46°C to 66°C)

Part No.	Description	Std. Pkg.
043-96960	White Pro-Line <sup>®</sup> HP Paint Markers	12
043-96961	Yellow Pro-Line <sup>®</sup> HP Paint Markers	12

#### Pro-Line<sup>®</sup> Paint Markers



- High-strength, lightweight barrel for industrial use
- Ideal for metal, also suitable for wood, glass, plastic, rubber and more
- Ergonomic design for comfortable extended use
- Marking range 0°F to 150°F (-18°C to 66°C)

Part No.	Description	Std. Pkg.
043-96871	White Pro-Line <sup>®</sup> Paint Markers	12
043-96872	Yellow Pro-Line <sup>®</sup> Paint Markers	12
043-96873	Black Pro-Line <sup>®</sup> Paint Markers	12
043-96874	Red Pro-Line <sup>®</sup> Paint Markers	12
043-96875	Blue Pro-Line <sup>®</sup> Paint Markers	12

### Industrial Markers (Cont.)

#### Ball Paint Marker<sup>®</sup>

- Marks with real paint, dries in 5 minutes
- Durable metal ball tip marks on wet, oily, smooth and rough surfaces including metal, wood, plastic, glass and any hard surface
- Lead-free, non-toxic
- Unbreakable plastic bottle with 1/8" steel ball tip
- Marks are weather-resistant, fade-resistant
- Marking range -50°F to 150°F



Part No.	Description	Std. Pkg.
043-84620	White Ball Paint Marker <sup>®</sup>	12
043-84621	Yellow Ball Paint Marker <sup>®</sup>	12
043-84622	Red Ball Paint Marker <sup>®</sup>	12

#### B Paintstik<sup>®</sup>

#### Marks on Any Material or Surface



- Real lead-free paint in stick form
- Weather resistant, UV resistant
- Marks through oil and water
- Marks on smooth, rough, rusty, or dirty surfaces
- For use on metal, wood, plastic, concrete, rubber, glass, cardboard and paper
- Marking range -50°F to 150°F

Part No.	Description	Std. Pkg. Master Pkg.
043-80220	White B Paintstik <sup>®</sup>	12/144
043-80221	Yellow B Paintstik <sup>®</sup>	12/144
043-80222	Red B Paintstik <sup>®</sup>	12/144
043-80223	Black B Paintstik <sup>®</sup>	12/144
043-80224	Orange B Paintstik <sup>®</sup>	12/144
043-80225	Blue B Paintstik <sup>®</sup>	12/144
043-80227	Pink B Paintstik <sup>®</sup>	12/144

#### B-E Paintstik<sup>®</sup>

#### Marks on Very Rough Surfaces



- For marking forgings, castings, rough logs, lumber, concrete and other rough surfaces
- Marks will withstand prolonged immersion in water
- Lead-free, non-toxic
- Long-lasting, weather-resistant, fade-resistant
- Marking range -50°F to 150°F (-46°C to 66°C)

Part No.	Description	Std. Pkg.
043-80620	White B-E Paintstik <sup>®</sup>	12
043-80621	Yellow B-E Paintstik <sup>®</sup>	12
043-80622	Red B-E Paintstik <sup>®</sup>	12

## LA-CO<sup>®</sup> *Markal*<sup>®</sup>

### Industrial Markers (Cont.)

#### C Paintstik<sup>®</sup> Marks on Smooth Surfaces



- For marking on smooth surfaces such as cold rolled steel, sheet metal, plate glass and plastic
- Long-lasting, weather-resistant, fade-resistant
- Marking range 0°F to 150°F (-18°C to 66°C)

Part No.	Description	Std. Pkg.
043-80820	White C Paintstik <sup>®</sup>	12
043-80821	Yellow C Paintstik <sup>®</sup>	12

#### F Paintstik<sup>®</sup> All-Purpose Fluorescent Marker



- Ultra-high visibility fluorescent colors
- For marking metal, wood, glass, plastic, concrete, rubber, cardboard and paper
- Marks through oil and water
- Ideal for layout, inspection and color coding
- Glows under black light
- Marking range -50°F to 150°F (-46°C to 66°C)

Part No.	Description	Std. Pkg.
043-82834	Orange F Paintstik <sup>®</sup>	12/72
043-82836	Green Fluorescent B Paintstik <sup>®</sup>	12/72
043-82842	Pink Fluorescent B Paintstik <sup>®</sup>	12/72

#### Quik Stik<sup>®</sup> Paint Marker



- Smooth-marking, fast-drying paint marks dry in 5-7 minutes
- Bright, bold, fade-resistant colors
- Stick advances by turning twist-up knob
- Marks on virtually any surface, metal, glass, plastic, wood, cardboard, paper, etc.
- Marking range 0°F to 140°F (-18°C to 60°C)

Part No.	Description	Std. Pkg.
043-61051	White Quik Stik <sup>®</sup> Paint Marker	72
043-61053	Yellow Quik Stik <sup>®</sup> Paint Marker	72

### Felt-Tip Ink Markers

#### Dura-Ink<sup>®</sup> 15 Fine Bullet Tip



- Ideal for fineline marking with plastic barrel and cap with metal pocket clip
- Extra-tough tip won't spread or mush
- Smear-resistant, water-resistant, fast-drying
- Marks on metal, wood, cardboard, paper, plastic, glass, etc.
- For identification of parts, layout work, and marking cartons and crates

Part No.	Description	Std. Pkg.
043-96023	Black Dura-Ink <sup>®</sup> 15 Marker	72

#### Dura-Ink<sup>®</sup> 25 King Size, Chisel Tip



- Heavy-duty metal barrel with pocket clip on cap
- Chisel tip makes fine lines or broad marks
- Extra-large ink supply for greater mileage
- Use on cardboard, wood, metal, paper, ceramics, glass and leather
- For identification of equipment, marking shipping cartons, making signs, etc.

Part No.	Description	Std. Pkg.
043-96223	Black Dura-Ink <sup>®</sup> 25 Marker	48

#### Dura-Ink<sup>®</sup> 55 Medium Tapered Chisel Tip



- Ergonomic design for extended use with plastic barrel and cap with pocket clip
- Versatile tapered chisel tip for 1/16" and 3/16" marks
- Ink formulated for industrial-strength usage
- Smear-resistant, water-resistant, fast drying
- Use on cardboard, ceramics, glass, cloth, lumber, paper, rubber and steel

Part No.	Description	Std. Pkg.
043-96529	Black Dura-Ink <sup>®</sup> 55 Marker	48



## LA·CO<sup>®</sup> *Markal*<sup>®</sup>

### Lumber & Timber Markers

#### Lumber Crayon #500 Clay-Based



- Clay-based formula provides longer marking mileage
- Makes weather-resistant, water-resistant marks
- Lead-free
- Marks on concrete, wood, metal, plastic, rubber, paper, cardboard and ceramics
- Marking range -20°F to 150°F (-28°C to 66°C)

Part No.	Description	Std. Pkg.
043-80320	White Lumber Crayon #500	144
043-80321	Yellow Lumber Crayon #500	144

### Specialty Markers

#### Silver-Streak<sup>®</sup> Metal Marker



- Marks on all types of metal surfaces
- Ideal for metal layout and fabrication work
- Marks won't rub off like soapstone
- Marks are resistant to torch flames
- Durable metal and plastic holders prevent breakage
- Holders include pocket clip
- Round holder features a built-in sharpener

Part No.	Description	Std. Pkg.
043-96006	Round Silver-Streak <sup>®</sup> Metal Marker	24
043-96007	Refills for Round Silver-Streak <sup>®</sup> Metal Marker	6 Pk/24

### Industrial Marker Accessories

#### Paintstik<sup>®</sup> Holder



- 6" push-button metal holder for Paintstik<sup>®</sup> markers
- All-metal construction for long worklife

Part No.	Description	Std. Pkg.
043-85100	#102, 11/16" Push Button Holder	12

#### Leak Detector

##### sure chek<sup>®</sup>



- All-temperature formula: -55°F to 200°F (-48°C to 93°C)
- Ultra-sensitive; long-lasting bubbles
- Fluorescent for improved visibility
- Available in handy spray bottle
- Non-corrosive, non-toxic

Part No.	Description	Std. Pkg.
043-32850	sure chek <sup>®</sup> 16 fluid oz. Leak Detector	12

#### Slic-Tite<sup>®</sup> Paste

#### Premium Thread Sealant

- Contains more Teflon particles for greater sealing power
- Use on metal, PVC, CPVC, and ABS plastic pipe threads
- For sealing water, air, steam, natural gas, LP gas, refrigerants, ammonia, gasoline and oil
- Sealing temp range: -50°F to 500°F
- Working pressures: 3,000 PSI for gas, 10,000 PSI for liquids



Part No.	Description	Std. Pkg.
043-41209	Slic-Tite <sup>®</sup> Paste, 1/4 pt. BIC	12
043-42049	Slic-Tite <sup>®</sup> Paste, 1 qt. BIC	12
043-42014	Slic-Tite <sup>®</sup> Paste, 1 gal.	4



## Marvel Mystery Oil

**Marvel Mystery Oil** can be added to gas or diesel and it can be added to engine oil. It offers the same benefits for all marine engines as well, inboard or outboard.

### Added to Gas or Diesel

- Lubricates the entire fuel system-fuel pumps, fuel injectors, or carburetors and the top portion of the cylinders
- Reduces and prevents varnish and gum build-up
- Reduces carbon built-up on spark plugs
- Improves fuel mileage by reducing internal friction
- Use 4 ounces for every 10 gallons of fuel

### Added to Engine Oil

- Reduces and prevents valve sticking and clatter by breaking down harmful deposits of carbon and sludge
- Prevents oil breakdown caused by extreme temperatures
- Easier cold weather starting and ability to eliminate oil's tendency to congeal at low temps
- Prevents sludge build-up in newer engines and removes sludge from older engines



Part No.	Description	Std. Pkg.
026-MM014R	Marvel Mystery Oil, 1 Gallon	6
026-MM015	Marvel Mystery Oil, 5 Gallon Pail	1
026-MM018	Marvel Mystery Oil, 55 Gallon Drum	1
026-MM12R	Marvel Mystery Oil, 16 oz. Bottle	6
026-MM13R	Marvel Mystery Oil, 32 oz. Bottle	6

## Air Tool Oil

**Marvel Mystery Oil** prevents rust formation in air tools while providing positive lubrication for smoother starting, longer lasting tools. Assures the maximum performance of your tools by dissolving gum and sludge that reduce tools speed and power.



Part No.	Description	Std. Pkg.
026-MM080	Marvel Air Tool Oil, 4 oz. Bottle	48
026-MM85R	Marvel Air Tool Oil, 32 oz. Bottle	12

## Super Lubricant

- Penetrates the tightest joints
- Frees rusty nuts and bolts
- Leaves a residual film of non-drying oil to prevent further rust and corrosion



Part No.	Description	Std. Pkg.
026-MM35R	Super Lubricant, 12 oz. Aerosol	12

## Lubricating Oil & Oil Stabilizer



Part No.	Description	Std. Pkg.
026-MM004	Oil Stabilizer, 32 oz. Bottle	6
026-MM005	Lubricating Oil, 4 oz. Bottle	48

## MASTER

### Portable Heaters

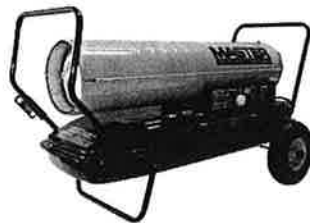
- Powerful instant heat - high performance fan
- Safe and efficient - auto shut off if power is interrupted or flame is extinguished
- Quality construction - rugged steel body, heavy-duty motor and operating components
- Easy to use - fill with fuel, plug into approved power source and enjoy
- Value - added features - unmatched quality and performance design

- 125,000 BTU heat output
- Operates up to 10 hours on full tank
- 10 gallon fuel tank
- Heats up to 3,100 sq. feet
- Multi-fuel compatible
- Built-in thermostat



089-MH-125T-KFA

- 175,000 BTU heat output
- Operates up to 9.5 hours on full tank
- 13 gallon fuel tank
- Heats up to 4,300 sq. feet
- Multi-fuel compatible
- Built-in thermostat



089-MH-175T-KFA

- 215,000 BTU heat output
- Operates up to 8 hours on full tank
- 13 gallon fuel tank
- Heats up to 3,100 sq. feet
- Multi-fuel compatible
- Built-in thermostat



089-MH-215T-KFA

Part No.	Description	Std. Pkg.
089-MH-125T-KFA	125,000 BTU, 10 Gallon Fuel Tank	1
089-MH-175T-KFA	175,000 BTU, 13 Gallon Fuel Tank	1
089-MH-215T-KFA	215,000 BTU, 13 Gallon Fuel Tank	1

### Radiant Tank Top Heaters



089-MH-15-TT



089-MH-30-TT

- Safe - built-in oxygen sensor turns heater off in unsafe oxygen levels, auto shut-off tip over device
- Effective - clean quiet instant heat, no electricity required
- Portable - front and rear rolling casters
- Easy to use - integrated know ignition
- Heavy duty construction - wind resistant burner system

#### Specifications/Features: 089-MH-15-TT

Heat output (BTU) single burner (L,M,H)	. . . . .	9K/12K/15K
Heat output (BTU) Double Burner (L,M,H)	. . . . .	N/A
UPC#657888	. . . . .	.090168
Ignition Type	. . . . .	Match
Heat settings	. . . . .	.3
Propane tank size (lbs.)	. . . . .	.20
Max operating hours (L,M,H) 20 lb. Cyl.	. . . . .	48/36/28
Weight (lbs.)	. . . . .	.3
Box dimensions (LxWxH) (Inches)	. . . . .	.9x8x11.2
Box dimensions (sq. ft.)	. . . . .	.47
Master carton dimensions (Inches)	. . . . .	.18x15x12
Master carton pack	. . . . .	.4
Container qty. (40'N/40'HQ)	. . . . .	3836/4384

#### Specifications/Features: 089-MH-30-TT

Heat output (BTU) single burner (L,M,H)	. . . . .	9K/12K/15K
Heat output (BTU) Double Burner (L,M,H)	. . . . .	18K/24K/30K
UPC#657888	. . . . .	.090311
Ignition Type	. . . . .	Match
Heat settings	. . . . .	.6
Propane tank size (lbs.)	. . . . .	.20
Max operating hours (L,M,H) 20 lb. Cyl.	. . . . .	48/18/14
Weight (lbs.)	. . . . .	.7
Box dimensions (LxWxH) (Inches)	. . . . .	18.1x6.1x12.9
Box dimensions (sq. ft.)	. . . . .	.82
Master carton dimensions (Inches)	. . . . .	.30x13x15.5
Master carton pack	. . . . .	.4
Container qty. (40'N/40'HQ)	. . . . .	1824/2128

## MASTERKIT

### Grease Fitting Assortment



039-100-5

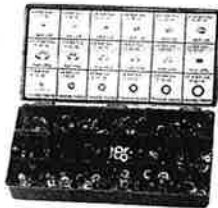


039-105-9

- Standard American fractional sizes

Part No.	Description	Std. Pkg.
039-100-5	100 Piece Grease Fitting Assortment	1
039-105-9	105 Piece Metric Assortment	1

### Flat, Lock & Star Washer Assortment



- 18 different sizes
- For sizes: #2, #4, #6, #8, #10, 1/4
- Bright zinc plated

Part No.	Description	Std. Pkg.
039-1200-10	1200 Piece Washer Assortment	1

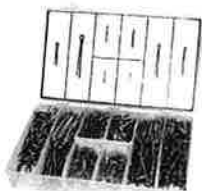
### Standard Internal Retaining Rings



- 14 different sizes
- Standard American fractional sizes housing rings

Part No.	Description	Std. Pkg.
039-150-14	150 Piece Standard Internal Retaining Rings	1

### Cotter Pin Assortment



- 8 different sizes
- Standard extended prong type
- Meets military standard 24665

Part No.	Description	Std. Pkg.
039-1500-8	1500 Piece Cotter Pin Assortment	1

### Cotter Pin Assortment



- 6 different sizes
- Standard extended prong type
- Meets military standard 24665

Part No.	Description	Std. Pkg.
039-750-6	750 Piece Cotter Pin Assortment	1

### Woodruff Key Assortment



- 18 different sizes
- S.A.E. carbon #1035 steel
- Standard halfmoon type keys
- American fractional sizes
- Confirms to A.N.S.I standard B-17.1 and S.A.E. standard J502

Part No.	Description	Std. Pkg.
039-250-18	250 Piece Woodruff Key Assortment	1

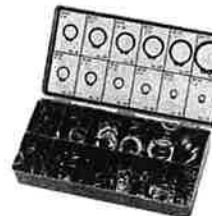
### Roll Pin/Spring Pin Assortment



- 10 different sizes
- Conforms to standard ASME-B18.8.2-2000
- 1074 carbon steel RC 46-53
- Black finish lightly oiled

Part No.	Description	Std. Pkg.
039-300-10	300 Piece Roll Pin/Spring Pin Assortment	1
039-500-10	500 Piece Roll Pin/Spring Pin Assortment	1

### External Retaining Ring Assortment

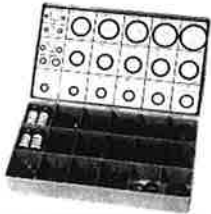


- 12 different sizes
- Standard American fractional sizes
- Snap rings
- Conforms to Mil-Std. #16624

Part No.	Description	Std. Pkg.
039-300-12	300 Piece External Retaining Ring Assortment	1

## MASTERKIT

### O-Ring Assortment



- 24 different sizes
- BUNA-N compound
- Meets ASTM Standard D 2000
- Service Temps. -40°F to +250°F

Part No.	Description	Std. Pkg.
039-300-24	300 Piece O-Ring Assortment	1
039-400-30	400 Piece O-Ring Assortment	1

### Hitch Pin Assortment



- 6 different sizes
- #03, 06, 07, 10, 16, & 22
- 039-150-6
- Bright zinc plated
- Wire Dia., .125
- Hole Size 9/64"
- 039-11

Part No.	Description	Std. Pkg.
039-150-6	150 Piece Hitch Pin Assortment	1
039-11	Standard American Wire Form Hitch Pin	1

### E-Clip Assortment



- Standard American fractional sizes
- Conforms to Mil-Std. #16633

Part No.	Description	Std. Pkg.
039-260-9	260 Piece E-Clip Assortment	1

### Retainer Ring Assortment



- Austempered
- Conforms to Mil-Std. #16626

Part No.	Description	Std. Pkg.
039-140-9	140 Piece Retainer Ring Assortment	1



### Chisels

#### Cold Chisels



Part No.	Description	Std. Pkg.
045-10200	70-1/4" Cold Chisel	12
045-10201	70-5/16" Cold Chisel	12
045-10202	70-3/8" Cold Chisel	12
045-10204	70-7/16" Cold Chisel	12
045-10205	70-1/2" Cold Chisel	12
045-10206	110-1/2" x 9" Cold Chisel	12
045-10207	110-1/2" x 12" Cold Chisel	12
045-10209	70-5/8" Cold Chisel	12
045-10210	110-5/8" x 12" Cold Chisel	12
045-10211	110-5/8" x 18" Cold Chisel	6
045-10212	70-3/4" Cold Chisel	12
045-10213	110-3/4" x 12" Cold Chisel	6
045-10214	110-3/4" x 14" Cold Chisel	6
045-10215	110-3/4" x 18" Cold Chisel	3
045-10216	70-7/8" Cold Chisel	6
045-10217	110-7/8" x 12" Cold Chisel	6
045-10219	110-7/8" x 18" Cold Chisel	3
045-10220	70-1 Cold Chisel	6
045-10221	110-1" x 12" Cold Chisel	6
045-10222	110-1" x 18" Cold Chisel	3
045-10223	70-1-1/8" Cold Chisel	6

#### Cape Chisels



Part No.	Description	Std. Pkg.
045-10400	150-1/8" Cape Chisel	12
045-10401	150-3/16" Cape Chisel	12
045-10402	150-1/4" Cape Chisel	12
045-10403	150-5/16" Cape Chisel	12
045-10404	150-3/8" Cape Chisel	6
045-10405	150-1/2" Cape Chisel	6



## Chisels (Cont.)

### Half Round Nose Chisels



Part No.	Description	Std. Pkg.
045-10500	250-1/8" Half Round Nose Chisel	12
045-10501	250-3/16" Half Round Nose Chisel	12
045-10502	250-1/4" Half Round Nose Chisel	12
045-10503	250-5/16" Half Round Nose Chisel	12
045-10504	250-3/8" Half Round Nose Chisel	6
045-10505	250-1/2" Half Round Nose Chisel	6

### Diamond Point Chisels



Part No.	Description	Std. Pkg.
045-10600	350-1/8" Diamond Point Chisel	12
045-10601	350-3/16" Diamond Point Chisel	12
045-10602	350-1/4" Diamond Point Chisel	12
045-10603	350-5/16" Diamond Point Chisel	12
045-10604	350-3/8" Diamond Point Chisel	6
045-10605	350-1/2" Diamond Point Chisel	6

## Punches

### Solid Punches



Part No.	Description	Std. Pkg.
045-20000	400-3/32" Solid Punch	12
045-20001	400-1/8" Solid Punch	12
045-20002	400-3/16" Solid Punch	12
045-20003	400-1/4" Solid Punch	12
045-20004	400-1/16" Solid Punch	12
045-20005	400-5/32" Solid Punch	12
045-20103	400-3/16" Solid Punch	12
045-20104	400-1/4" Solid Punch	12
045-20105	400-5/16" Solid Punch	12
045-20301	400-3/8" Solid Punch	6
045-20302	400-1/2" Solid Punch	6

## Punches (Cont.)

### Pin Punches



Part No.	Description	Std. Pkg.
045-21000	413-1/16" Pin Punch	12
045-21001	413-3/32" Pin Punch	12
045-21002	413-1/8" Pin Punch	12
045-21003	413-5/32" Pin Punch	12
045-21004	413-3/16" Pin Punch	12
045-21005	413-1/4" Pin Punch	12
045-21011	413-7/32" Pin Punch	12
045-21019	413-5/16" Pin Punch	12
045-21100	414-3/16" Pin Punch	12
045-21101	414-13/64" Pin Punch	12
045-21103	414-1/4" Pin Punch	12
045-21104	414-5/16" Pin Punch	12
045-21105	414-3/8" Pin Punch	12
045-21302	418-3/8" Pin Punch	6
045-21400	419-7/16" Pin Punch	6
045-21401	419-1/2" Pin Punch	6

### Extra Long Pin Punches



Part No.	Description	Std. Pkg.
045-21500	443-1/8" Extra Long Pin Punch	12
045-21501	443-3/16" Extra Long Pin Punch	12
045-21502	443-1/4" Extra Long Pin Punch	12
045-21503	443-5/16" Extra Long Pin Punch	12
045-21504	443-3/8" Extra Long Pin Punch	12
045-21505	443-7/32" Extra Long Pin Punch	12
045-21506	443-5/32" Extra Long Pin Punch	12

### Prick Punches



Part No.	Description	Std. Pkg.
045-23000	410-1/4" Prick Punch	12
045-23001	410-5/16" Prick Punch	12
045-23002	410-3/8" Prick Punch	12
045-23003	410-1/2" Prick Punch	12



## Punches (Cont.)

### Line-Up Punches



Part No.	Description	Std. Pkg.
045-22000	453-5/32" Line-Up Punch	6
045-22003	458-1/4" Line-Up Punch	6
045-22005	460-1/4" Line-Up Punch	6
045-22006	461-3/16" X-Long Taper Line-Up Punch	12
045-22007	462-1/4" X-Long Taper Line-Up Punch	12
045-22008	463-5/16" X-Long Taper Line-Up Punch	6
045-22010	466-1/8" Line-Up Punch	12
045-22011	466-5/32" Line-Up Punch	12
045-22012	467-3/16" Line-Up Punch	12
045-22013	458-5/16" Line-Up Punch	6
045-22017	460-3/8" Line-Up Punch	6
045-22021	466-3/32" Line-Up Punch	12
045-22024	464-1/2" Line-Up Punch	6
045-22025	467-7/32" Line-Up Punch	12

### Center Punches



Part No.	Description	Std. Pkg.
045-24000	415-1/4" Center Punch	12
045-24001	415-5/16" Center Punch	12
045-24002	415-3/8" Center Punch	12
045-24003	416-1/2" Center Punch	12
045-24004	416-5/8" Center Punch	6

### Pilot Punches



Part No.	Description	Std. Pkg.
045-25000	112-1/16" #1 Pilot Punch	12
045-25001	112-5/64" #2 Pilot Punch	12
045-25002	112-3/32" #3 Pilot Punch	12
045-25003	112-1/8" #4 Pilot Punch	12
045-25004	112-5/32" #5 Pilot Punch	12
045-25005	112-3/16" #6 Pilot Punch	12
045-25006	112-7/32" #7 Pilot Punch	12
045-25007	112-1/4" #8 Pilot Punch	12
045-25008	112-5/16" #9 Pilot Punch	12
045-25009	112-3/8" #10 Pilot Punch	6
045-25010	112-7/16" #11 Pilot Punch	6
045-25011	112-1/2" #12 Pilot Punch	6

## Punches (Cont.)

### Knurled Center Punches



Part No.	Description	Std. Pkg.
045-24200	455-1/4" Knurled Center Punch	12
045-24300	455-5/16" Knurled Center Punch	12
045-24301	455-3/8" Knurled Center Punch	12
045-24302	455-1/2" Knurled Center Punch	6
045-24303	455-3/32" Knurled Center Punch	6

### Knurled Brass Drift Punches



Part No.	Description	Std. Pkg.
045-25075	100-3/4" Knurled Brass Drift Punch	6
045-25076	101-1/2" Knurled Brass Drift Punch	12
045-25077	102-3/8" Knurled Brass Drift Punch	12
045-25078	103-3/4 x 12" Knurled Brass Drift Punch	6
045-25095	120-3/8" x 10" Brass Line-Up Punch	6
045-25096	121-7/16" x 14" Brass Line-Up Punch	6

### Knurled Brass Solid Punches



Part No.	Description	Std. Pkg.
045-25080	118-1/4" Knurled Brass Solid Punch	12
045-25502	165-1/8" Knurled Brass Solid Punch	12

Brass punches are often used for non-marring and non-sparking applications.

Punches are designed to mark metal, drive and remove pins, and align holes in different sections of metal and other materials.

### Knurled Brass Pin Punches



Part No.	Description	Std. Pkg.
045-25090	116-1/4" Knurled Brass Pin Punch	12
045-25091	117-3/8" Knurled Brass Pin Punch	12
045-25702	175-3/32" Knurled Brass Pin Punch	12
045-25703	175-1/8" Knurled Brass Pin Punch	12
045-25705	175-3/16" Knurled Brass Pin Punch	12
045-25707	175-1/4" Knurled Brass Pin Punch	12
045-25708	175-5/16" Knurled Brass Pin Punch	12



## Pry Bars

### Screwdriver Pry Bars



Part No.	Description	Std. Pkg.
045-40109	24-C Curved SD Pry Bar 31" OAL	6
045-40110	7-C Curved SD Pry Bar 12" OAL	6
045-40111	12-C Curved SD Pry Bar 17" OAL	6

### Line-Up Pry Bars



Part No.	Description	Std. Pkg.
045-40000	468-14" Line-Up Pry Bar	6
045-40001	469-16" Line-Up Pry Bar	6
045-40002	471-20" Line-Up Pry Bar	6
045-40003	472-24" Line-Up Pry Bar	3
045-40022	474-38" Line-Up Pry Bar	3
045-40023	475-42" Line-Up Pry Bar	3
045-40024	476-60" Line-Up Pry Bar	3
045-75001*	469-16" Line-Up Pry Bar	6
045-75002*	471-20" Line-Up Pry Bar	6
045-75004*	473-30" Line-Up Pry Bar	3

\* Blast Finish

### Rolling Head Pry Bars



Part No.	Description	Std. Pkg.
045-40100	481-9" Rolling Head Pry Bar	6
045-40101	482-16" Rolling Head Pry Bar	6
045-40102	483-18" Rolling Head Pry Bar	6
045-40104	484-22" Rolling Head Pry Bar	3

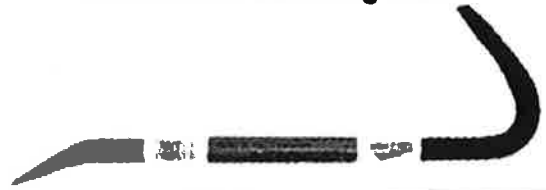
### Lady Foot Pry Bars



Part No.	Description	Std. Pkg.
045-40150	424-7/16" x 12" Lady Foot Pry Bar	6
045-40152	426-9/16" x 16" Lady Foot Pry Bar	6
045-40154	428-11/16" x 21" Lady Foot Pry Bar	6

## Pry Bars (Cont.)

### Gooseneck Wrecking Bars



Part No.	Description	Std. Pkg.
045-41001	705-18" Gooseneck Wrecking Bar	6
045-41002	710-24" Gooseneck Wrecking Bar	6
045-41003	715-30" Gooseneck Wrecking Bar	6
045-41004	717-36" Gooseneck Wrecking Bar	6

## Pry Bar Sets

### Screwdriver Pry Bar Sets



Part No.	Description	Std. Pkg.
045-61350	3 Piece Screwdriver Pry Bar Set	1

## Pry Bar Sets



Part No.	Description	Std. Pkg.
045-76284	4 Piece Pry Bar Set	1

## Lady Foot Pry Bar Set



Part No.	Description	Std. Pkg.
045-760150	3 Piece Lady Foot Pry Bar Set	1





## Screw Extractor Kits

### Screw Extractor Kit



Part No.	Description	Std. Pkg.
045-65085	5 Piece Spiral Screw Extractor Set	1

## Screw Extractor Sets

### 5 Piece Screw Extractor Set - Fluted Type

Five extractors with sharp, undercut edges to provide solid grip on studs, set screws, pipe and Alemite fittings. Packed in convenient vinyl pouch. Drill size is stamped on each tool for easy identification. Black oxide finish.



Set consists of: 36961, 36962, 36963, 36964, and 36965

### 4 Piece Screw Extractor Set - Fluted Type

Our four largest screw extractors, packed in a heavy, durable leatherette pouch. Drill size is stamped on each tool. Black oxide finish.



Set consists of: 36966, 36967, 36968, and 36969

Part No.	Description	Std. Pkg.
045-37332	5 Piece Screw Extractor Set	1
045-37331	4 Piece Screw Extractor Set	1

## Punch Sets

### Punch & Chisel Kits



Part No.	Description	Std. Pkg.
045-60007	7 Piece Center Punch Kit	1
045-60560	7001-K 6 Piece Punch & Chisel Kit	1
045-61005	751-K 6 Piece Punch & Chisel Kit	1
045-61044	7014-K 14 Piece Punch & Chisel Kit	1
045-61019	7019-K 19 Piece Punch & Chisel Kit	1
045-61050	7024-K 24 Piece Punch & Chisel Kit	1
045-61340	4006-K 6 Piece Solid Punch Kit	1
045-62005	702-K 10 Piece Punch Kit	1
045-62010	756-K 10 Piece Knurled Punch Kit	1
045-62020	4105-K 5 Piece Starter Punch Kit	1
045-62030	4106-K 6 Piece Punch Kit	1
045-62065	446-K 5 Piece Pin Punch Kit	1
045-62075	4102-K 6 Piece Pin Punch Kit	1
045-62214	706-K 5 Piece Center Punch Kit	1
045-62230	123-K 3 Piece Line-Up Punch Kit	1
045-62235	125-K 4 Piece Line-Up Punch Kit	1
045-62277	4 Piece Brass Kit Assorted Tools	1
045-67005	7 Piece Brass Pin Punch Kit	1

## Economy Finish Kits



Part No.	Description	Std. Pkg.
045-76044	7014-K 14 Piece Punch & Chisel Kit	1

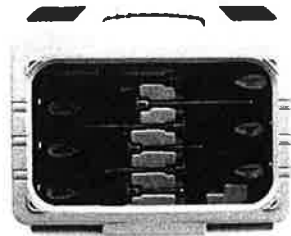
## Knurled Brass Kits



Part No.	Description	Std. Pkg.
045-61360	3 Piece Brass Drift Punch Set	1
045-61365	3 Piece Heavy Duty Brass Punch Set	1



## Screwdriver Sets



045-66300

Part No.	Description	Std. Pkg.
045-66300	6 Piece Cats Paw™ Screwdriver Set	1
045-66306	10 Piece Cats Paw™ Screwdriver Set	1



## Hook & Pick Sets



045-60003

Part No.	Description	Std. Pkg.
045-60003	4 Piece "Mini" Dominator® Hook Pick Set	6

## Pry Bars



Part No.	Description	Std. Pkg.
045-40138	36-C Dominator® 36" OAL x 5/8" Steel	6
045-40139	42-C Dominator® 42" OAL x 5/8" Steel	6
045-40162	58-C Dominator® 58" OAL x 3/4" Steel	4
045-40164	44-C Dominator® 44" OAL x 7/8" Steel	4
045-40166	45-C Dominator® 45" OAL x 1" Steel	4
045-40128	38-S Dominator® 36" OAL x 5/8" Steel	4
045-40129	42-S Dominator® 42" OAL x 5/8" Steel	4



## Industrial Cleaner & Degreaser

Environmentally safe and delivers maximum cleaning power at a fantastic price.

- Unique blend of non-toxic, biodegradable detergents
- Powerful, non-flammable, extra heavy-duty cleaner and degreaser
- Up to 60% more active ingredients than other cleaners with similar claims
- Gentle enough for cleaning clothes, upholstery and carpet, but strong enough for projects like cleaning engines and drilling equipment



159-132



159-101



159-106

Part No.	Description	Std. Pkg.
159-132	Mean Green Super Strength Degreaser, 32 oz.	12
159-101	Mean Green Super Strength Degreaser, 1 Gallon	4
159-106	Mean Green Super Strength Degreaser, 5 Gallon	1

## Micro Lube

### Solvent / Lubricant



- Penetrates, lubricates, protects
- Stops rust and corrosion collect
- Draws out moisture and penetrates metals to provide long lasting protection

050-1615

- Safety Solvent Cleaner
- Non-flammable, non-corrosion
- 29,000 dielectric
- Contains no oil
- Leaves no film residue

050-Micro-Solv



Part No.	Description	Std. Pkg.
050-1615	Micro Mist	12
050-Micro-Solv	Micro Solv	12
050-Micro-Grip	Micro-Grip	12



## Blo-Guns

### 100 Series



094-S-148

Compact and versatile blo-gun comes with both a safety nozzle and rubber tip nozzle. Maximum pressure of 150 psi, 1/4" NPT air inlet, 1/2"-27 nozzle thread.

For use where leak-proof connection is required when blowing out fluid lines. 1/4" NPT air inlet, rubber tip.



094-S-153

Part No.	Description	Std. Pkg.
094-S-148	Compact Safety Lever Blo-Gun	1
094-S-153	Rubber Tip Lever Blo-Gun	1

### Bent Nozzle Blo-Gun

Bent 11" nozzle allows direct access to hard to reach places. Straight nozzle has a non-safety metal tip, bent tube has a non-marring plastic tip. Built in hang-up hook allows for easy storage.

- Maximum working pressure: 125 PSI
- SCFM 11 @ 90 PSI
- 1/4" NPT brass air inlet
- Nylon and fiberglass body

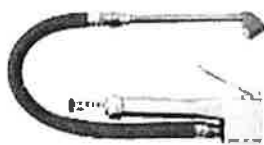
094-S-177



Part No.	Description	Std. Pkg.
094-S-177	11" Bent Nozzle Blo-Gun	1

### Inflator Gages

#### 500 Series



094-522

With dual (truck) head chuck. Valve and gage combined in 1 replacement cartridge. Lever action, heavy duty construction, calibrated from 10-120 lbs in 2 lb. increments.

Part No.	Description	Std. Pkg.
094-522	Bayonet Inflator Gage	1



## Air Couplers & Plugs

### 700 Series

M-style "Kwik-change" couplers will interchange with all manufacturers who comply with the dimensional requirements of military spec. MIL-C-4109.

All brass, max pressure: 300

M-style "Kwik-change" plugs will interchange with all manufacturers. Made with plated hardened steel to prevent rust. Max pressure: 300 psi, 1/4" NPT female.

- M-style coupler bodies are brass with brass sleeves
- M-style plugs are case hardened steel, plated to resist rust
- Maximum inlet pressure: 300 PSI
- Maximum temperature: 250°F
- Air flow: 450 SCFM
- Seals: Buna-N



094-S-711



094-S-715  
094-S-718



094-S-716  
094-S-719



094-S-727



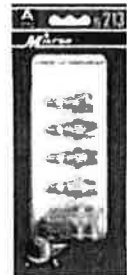
094-S-728  
094-S-732

Part No.	Description	Std. Pkg.
094-S-711	M-Style 1/4" Combination Coupler/Plug & Kits	1
094-S-715	M-Style 1/4" NPT Female Coupler	1
094-S-716	M-Style 1/4" NPT Male Coupler	1
094-S-718	M-Style 3/8" NPT Female Coupler	1
094-S-719	M-Style 3/8" NPT Male Coupler	1
094-S-727	M-Style 1/4" NPT Male Plug, 2/CD	1
094-S-728	M-Style 1/4" NPT Female Plug, 2/CD	1
094-S-732	M-Style 3/8" NPT Female Plug	1

### 200 Series A-Style Coupler Kit

#### Kit includes:

- 1 each #775, 1/4" A-style female coupler
- 3 each #777, 1/4" A-style male plugs
- 1 each #778, 1/4" A-style female plug



Part No.	Description	Std. Pkg.
094-S-213	5 Piece 1/4" NPT A-Style Coupler Kit	1



## G-Style Couplers & Plugs

- G-style coupler bodies are steel, plated to resist rust
- G-style plugs are case hardened steel, plated to resist rust
- Maximum inlet pressure: 300 PSI
- Maximum temperature: 250°F
- Air flow: 99-SCFM
- Seals: Buna-N



094-1815



094-1857  
094-1859



094-1858

Part No.	Description	Std. Pkg.
094-1815	G-Style 1/2" NPT Female Coupler	1
094-1859	G-Style 3/8" NPT Male Plug	1
094-1857	G-Style 1/2" NPT Male Plug	1
094-1858	G-Style 1/2" NPT Female Plug	1

## Air Chucks



094-690



094-691



094-S-693

Part No.	Description	Std. Pkg.
094-690	1/4" Female NPT Dual Head Air Chuck	1
094-691	1/4" Female NPT Straight Head Air Chuck	1
094-S-693	1/4" Female NPT Dual Head Straight Foot, For Inner Duals, Both Ends Lock on Threads	1

## Tire Pressure Gages

USA made tire gages provide accurate, long life with trouble free performance.



094-S-911

- For radial and conventional tires
- Flat bar is marked 5 to 50 psi



094-S-921

- For radial and conventional tires
- 2 sides 5 to 50 psi in 1 lb. increments and 40 to 350 kPa



094-S-927

- 2 sides 20 to 120 psi in 2 lb. increments
- 2 sides 120 to 820 kPa in 20 kPa units

Part No.	Description	Std. Pkg.
094-S-911	Passenger Car Tire Gage, 5 to 50 psi	1
094-S-921	Passenger Car Tire Gage, 2 sides 5 to 50 psi	1
094-S-927	Dual Chuck Truck Tire Gage, 2 sides 20 to 120 psi	1

## Service Gages

Milton precision engineered service gages provide accurate, long life.



094-976

- Plated brass tube
- Calibrated 2 sides 10 to 160 psi in 2 lb. increments
- 2 sides 80 to 100 kPa, in 20 kPa units



094-S-986

- For inner style duals

Part No.	Description	Std. Pkg.
094-976	Dual Head Chuck Service Gage, 2 sides 10 to 160 psi	1
094-S-986	Straight Foot Dual Head Chuck Service Gage, 2 sides 10 to 160 psi	1



## Air Compressor Regulators & Filters

### Micro Filters

Supplied with preassembled automatic overnight drain. Corrosion resistant metal bowls. 3 stage baffle system. Lightweight aluminum die-cast housing.



### Polycarbonate Bowls with Metal Bowl Guards

Part No.	NPT Size	Bowl Capacity	Max Pressure	Temp.	Max SCFM
094-1018	1/4"	5 oz.	150 psi	40-120°F	48
094-1019	3/8"	5 oz.	150 psi	40-120°F	75
094-1020	1/2"	5 oz.	150 psi	40-120°F	100

### Metal Bowls Heavy Duty 250 PSI



Part No.	NPT Size	Bowl Capacity	Temp.	Max SCFM
094-1022-10	3/4"	20 oz.	40-160°F	230
094-1022-8	3/4"	10 oz.	40-160°F	245
094-1122-8	1"	29 oz.	40-160°F	300



094-1022-8

094-1022-10

### Regulators - Relieving Type

Offers stable downstream air pressure over a wide range of air flows with accurate control, fast response and minimal pressure drop.

- Inlet pressure: 250 psi
- Operating temperature: 40°F to 120°F
- Aluminum die-cast body
- Buna-N diaphragm and O rings
- Balanced piston, molded rubber set



### Regulators - 5-125 PSI

Part No.	NPT Size	Max SCFM
094-1113	1/4"	50
094-1114	3/8"	80
094-1115	1/2"	100

### Regulators - 10-250 PSI

Part No.	NPT Size	Max SCFM
094-1026-8	3/4" Midsize	220
094-1027-8	1" Midsize	250

### Mini Heavy Duty Regulator

Ideal for air flow applications that call for a compact unit, such as small pneumatic equipment, miniature valves and instruments. Gage not included, but available as an accessory.

- Relieving model: 5-125 PSI
- Max inlet pressure: 250 PSI
- Maximum operating temperature: 120°F
- 1/8" NPT gage ports



Part No.	Description	Max SCFM
094-S-1145	1/4" NPT, Mini Regulator	25

### Precision Lubricators

Ideal for the customer who wants trouble-free protection and tamper proof reliability. Perfect for lubrication of air motors, tools, valves, etc.

- Guarantees instant start-up lubrication
- Low pressure drop at full air flow
- Oil delivered at an air flow as low as 2 SCFM



Part No.	NPT Size	Bowl Capacity	Max Pressure	Temp.	Max SCFM
094-1028	1/4"	5 oz.	150 psi	40-125°F	16
094-1029	3/8"	5 oz.	150 psi	40-125°F	82
094-1030	1/2"	5 oz.	150 psi	40-125°F	142

Synthetic lubricants should not be used with lubricators that have polycarbonate bowls.

### Metal Bowls with Slight Glass Heavy Duty

Part No.	NPT Size	Bowl Capacity	Max Pressure	Temp.	Max SCFM
094-1131-9	3/4"	10 oz.	250 psi	40-160°F	142



### Circuit Tester

Micro-sharp tip for easy wire piercing with no wire damage and virtually a self-sealing hole. Includes the illustrated electrical troubleshooters guide.



Part No.	Description	Std. Pkg.
094-S-1232	6-12 Volt Circuit Tester	1



## Compression Tester



Double fiber braided neoprene hydraulic hose. Includes 14 mm long reach adapter and spare valve core. Composite metric scale reads both PSI and all metric ranges.  
 0-300 PSI 0-21 kg/cm<sup>2</sup>  
 0-2100 kPa 0-21 bars

Part No.	Description	Std. Pkg.
094-S-1251	Deluxe Compression Tester	1



## Steel Sprayer

Sure Shot sprayers are an inexpensive way to apply bulk chemicals like cleaners, degreasers, penetrating oils, solvents and lubricants. They use readily available compressed air, instead of flammable or dangerous propellants, and because they are reusable you don't have to worry about disposal of empty cans.

Comes with multi purpose nozzle. Nozzle is set for regular mist. For pin stream remove #303 spiral. Do not use water or water based materials in steel sprayers. Not recommended for paint.



### Repair Kit

Complete repair kit contains, 108, 110, 111, 114, 115, 116, 117, 118, 302, 307, 309. For Models 1000-1100-2000-2600-6100-6200-6600  
 164-K10



### Accessories

Liquid, measuring/filtering device 32 ounce capacity, heavy duty polyethylene container with brass mesh screening.



164-P07362

Part No.	Description	Std. Pkg.
164-1000B	Sure Shot Powder Coated Finish Sprayer, Black	1
164-2000	Sure Shot Chrome-Plated Premium Finish Sprayer	1
164-K10	Sure Shot Repair Kit	1
164-P07362	Sure Shot Liquid, Measuring/Filtering Device	1

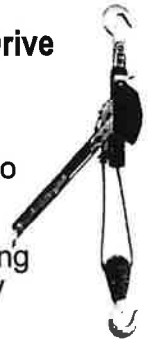
# DEUER

MANUFACTURING INCORPORATED

## Mini-Mule

### 2 Ton Heavy Duty, Double Drive

Ratchet wheels on both sides for a balanced drive. Double locking and driving pawls independently sprung to insure alignment with ratchet with teeth. Tubular steel cable drum, minimize distortion and binding locking and lifting pressure applied uniformly to both sides of cable drum.



Part No.	Capacity	Pull
125-MM1212CDD	1 - 2 Ton	6 - 12 Ft.



## Firm Joint Calipers

### Inside



Part No.	Description	Std. Pkg.
051-330-12	12" Inside Caliper	1
051-330-6	6" Inside Caliper	5
051-330-8	8" Inside Caliper	1

### Outside



Part No.	Description	Std. Pkg.
051-331-12	12" Outside Caliper	1
051-331-18	18" Outside Caliper	1
051-331-24	24" Outside Caliper	1
051-331-6	6" Outside Caliper	5
051-331-8	8" Outside Caliper	1



## Spring Joint Calipers

Inside



Outside



Part No.	Description	Std. Pkg.
051-51-10	10" Inside Caliper	1
051-51-12	12" Inside Caliper	1
051-51-6	6" Inside Caliper	5
051-51-8	8" Inside Caliper	1
051-52-10	10" Outside Caliper	1
051-52-12	12" Outside Caliper	1
051-52-6	6" Outside Caliper	5
051-52-8	8" Outside Caliper	1

## Spring Dividers

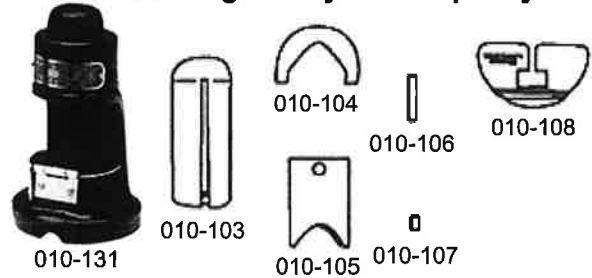


Part No.	Description	Std. Pkg.
051-50-10	10" Spring Divider	1
051-50-12	12" Spring Divider	1
051-50-6	6" Spring Divider	5
051-50-8	8" Spring Divider	1

# MORSE STARRETT

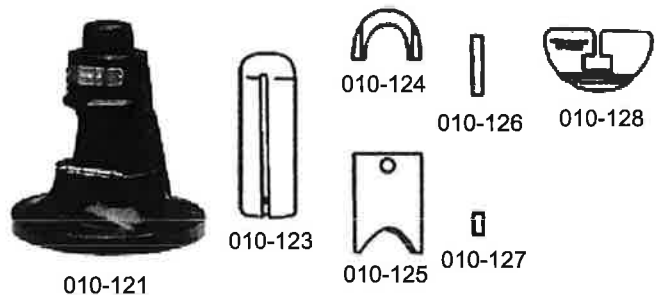
## Impact Cable Cutters

### Model 1 - Light Duty 3/4" Capacity



Part No.	Description	Std. Pkg.
010-101	Model #1 Cutter, 3/4" Capacity	6
010-102	Casting Base for Model #1	1
010-103	Plunger for Model #1	1
010-104	Die Set for Model #1	Set
010-105	Blade & Pin Set for Model #1	1
010-106	Blade Pin only for Model #1	1
010-107	Plunger Guide Pin for Model #1	1
010-108	Guard Plate for Model #1	1

### Model 1A - Heavy Duty 1-1/16" Capacity

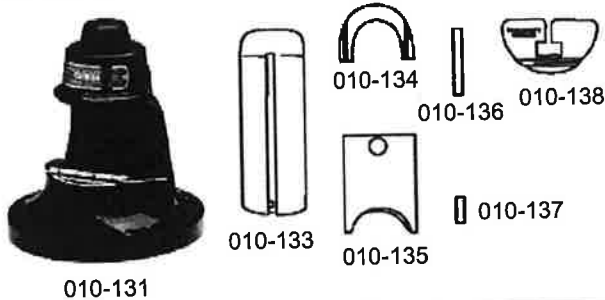


Part No.	Description	Std. Pkg.
010-121	Model #1A Cutter, 1-1/16" Capacity	2
010-122	Casting Base for Model #1A	1
010-123	Plunger for Model #1A	1
010-124	Die Set for Model #1A	Set
010-125	Blade & Pin Set for Model #1A	1
010-126	Blade Pin only for Model #1A	1
010-127	Plunger Guide Pin for Model #1A	1
010-128	Guard Plate for Model #1A	1

## MORSE STARRETT

### Impact Cable Cutters (Cont.)

#### Model 2 - Extra Heavy Duty 1-1/2" Capacity



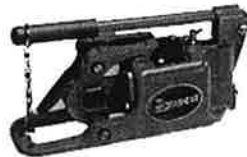
Part No.	Description	Std. Pkg.
010-131	Model #2 Cutter, 1-1/2" Capacity	2
010-132	Casting Base for Model #2	1
010-133	Plunger for Model #2	1
010-134	Die Set for Model #2	Set
010-135	Blade & Pin Set for Model #2	1
010-136	Blade Pin only for Model #2	1
010-137	Plunger Guide Pin for Model #2	1
010-138	Guard Plate for Model #2	1



### Manual Cable Cutters



**Model W-075**  
**3/4" Capacity**  
010-W-075

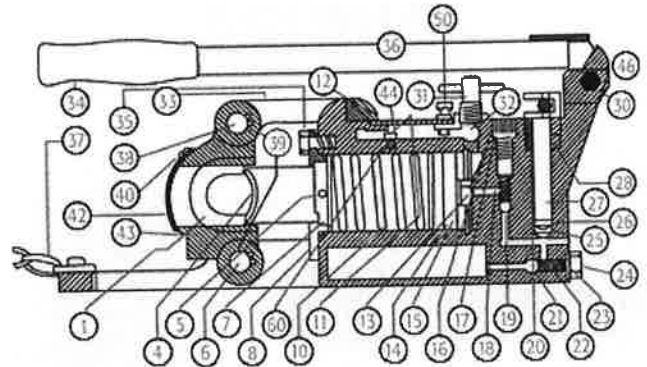


**Model P-1125**  
**1-1/8" Capacity**  
010-P-1125



**Model C-1750**  
**1-3/4" Capacity**  
010-C-1750

### Pell Hydrashear Replacement Parts



No.	Description	Model W	Model P	Model C
1	Die Set	010-W1	010-P1	010-C1
4	Blade	010-W4	010-P4	010-C4
5	Blade Pin	010-W5	010-P5	010-C5
6	Hinge Pin with #39	010-W6	010-P6	010-C6
7	Ram	010-W7	010-P7	010-C7
8	Ram Collar	010-W8	010-P8	010-C8
10	Ram Retracting Spring	010-W10	010-P10	010-C10
11	Cover Plate	010-W11	010-P11	010-C11
15	Ram Cup Retainer	010-W15	010-P15	010-C15
33	Latch	010-W33	010-P33	010-C33
36	Pump Handle	010-W36	010-P36	010-C36
38	Latch Pin w/#39	010-W38	010-P38	010-C38
43	Shear Blade Holder	010-W43	010-P43	010-C43
60	Bypass Valve	010-W60	010-P60	010-C60
62	Overhaul Kit	010-W62	010-P62	010-C62

#### Overhaul Kit Includes:

Items Listed Must be Purchased in Kit Form Only

No.	Description	No.	Description
12	Cover Plate Screws (3)	28	Plunger Packing Set
13	Retainer Screw/Washer	30	Handle Hinge Bolt
14	Ram Cup & O-Ring	31	Release Valve Retainer
16	Check Valve Plug	32	Release Valve
17	Check Valve Gasket	34	Handle Grip
18	Check Valve Spring	35	Ram Collar Screws (3)
19	Ball Check Valve	37	Bail
20	Packing Nut	39	Snap Rings (4)
21	Ball Suction Valve	40	Guard Screws (2)
22	Suction Valve Spring	42	Guard Plate
23	Suction Valve Gasket	44	Cover Gasket
24	Suction Valve Plug	46	Lock Nut
25	Plunger Packing Screw	47	Packing Nut Wrench
26	Plunger End Packing	50	Air Vent Valve
27	Plunger		



## Mystik

### Grease

#### JT-6® Hi-Temp Grease

025-JT6-HT



025-JT6-HT-35#

Part No.	Description	Std. Pkg.
025-JT6-HT	JT-6® Hi-Temp Grease, 14 Oz. Tube	10
025-JT6-HT-35#	JT-6® Hi-Temp Grease, 35 Lb. Pail	1
025-JT6-HT-1#	JT-6® Hi-Temp Grease, 1 Lb.	1
025-JT6-HT-120#	JT-6® Hi-Temp Grease, 120 Lb.	1
025-JT6-HT-7#	JT-6® Hi-Temp Grease, 7 Lb.	1

#### JT-6® High-Temp w/3% Moly EP No. 2 Grease

025-JT6-HT-MOLY



Part No.	Description	Std. Pkg.
025-JT6-HT-MOLY	JT-6® Hi-Temp Moly EP Grease, 14 Oz. Tube	10 Pkg/50CS

#### JT-6® Multi-Purpose Grease

025-JT6-MP



025-JT6-MP-35



025-JT6-MP-AERO

Part No.	Description	Std. Pkg.
025-JT6-MP	JT-6® Multi-Purpose Grease, 14 Oz. Tube	10
025-JT6-MP-35#	JT-6® Multi-Purpose Grease, 35 Lb. Pail	1
025-JT6-MP-AERO	JT-6® Multi-Purpose Grease, 10 Oz. Can	12/CS
025-JT6-MP-7#	JT-6® Multi-Purpose Grease, 7 Lb.	1

#### JT-6® Synthetic Blend Grease

025-JT6-SYN



Part No.	Description	Std. Pkg.
025-JT6-SYN	JT-6® Synthetic Blend Grease, 14 Oz. Tube	10 Pkg/50CS

#### JT-7® Multi-Purpose Gear Lubricant



025-JT7-QT



025-JT7-5GAL

Part No.	Description	Std. Pkg.
025-JT7-QT	JT-7® Multi-Purpose Gear Lubricant, 80W-90, Quart	12/CS
025-JT7-5GAL	JT-7® Multi-Purpose Gear Lubricant, 5 Gal.	1

#### Converter Fluid



025-TwinDisc

#### Motor Oil



025-30-SAE

Part No.	Description	Std. Pkg.
025-TwinDisc	Twin Disc Converter Fluid, 5 Gal.	1
025-30-SAE	Non-Detergent Motor Oil SAE 30, Qt.	12/CS

#### Outside Gear Grease



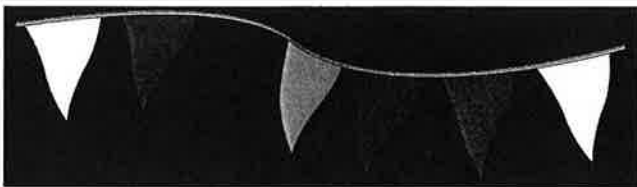
025-OG-5

Part No.	Description	Std. Pkg.
025-OG-5	Outside Gear Grease, 10 Oz. Tube	25

## NABCO NATIONAL BANNER

### Pennants & Flags

Made of long-lasting fluorescent plasticloth. Ten times more brilliant than regular colors. Double-sewn on plastic covered, hi-strength, sag-resistant Nablon™.



133-PC100A

Dye printed field and stripes. Fly ends reinforced with nylon stitching. Sewn with heavy header-brass grommets.



133-US10

Part No.	Description	Std. Pkg.
133-PC100A	100 Ft. Alternating Color Pennant	1
133-US10	3' x 5' USA Flag	1

## Bostik NEVER-SEEZ®

### Anti-Seize & Lubricating Compounds

Never-Seez® compounds provide protection in a lot of ways. Properly applied, they provide a fine, protective film that doesn't burn off or wash off in salt or fresh water. Each Never-Seez® product is formulated to work in a specific, critical environment.

### Regular Grade Anti-Seize & Lubricating Compound

The "original" anti-seize compound and extreme pressure lubricate formulated with copper, graphite, aluminum and other ingredients to protect metal parts against rust, corrosion and seizure up to 1800° F. Fine metallic and graphite particles in special grease protect parts even in high heat, high pressure and corrosive environment.

#### Product

#### Applications:

- Nuts, bolts, screws
- Pipe fittings
- Boom guides
- Valve assemblies
- Pump mountings
- Chain drives
- Shafts
- Gaskets
- Press fit assemblies
- Taps and drills
- Packaging glands
- Metal fittings
- Machinery



073-NS-160



073-NSA-16



073-NSBT-8

Part No.	Description	Std. Pkg.
073-NS-160	Regular Grade Flat Top, 1 Lb.	12
073-NS-168	Regular Grade Flat Top, 8 Lbs.	4
073-NSA-16	Regular Grade Aerosol Spray, 16 Oz.	12
073-NSBT-8	Regular Grade Brush Top, 8 Oz.	12
073-NSBT-16	Regular Grade Brush Top, 1 Lb.	12
073-NSC-1	Regular Grade Cartridge, 1 Lb.	12