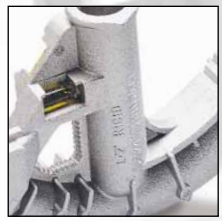
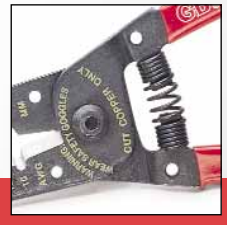
FULL LINE CATALOG





DEMAND THE BEST.

DEMAND GARDNER BENDER.

GB® Gardner Bender

CUSTOMER FOCUSED

Everything starts with you, the customer. Gardner Bender's goal is to exceed customer expectations by offering an unmatched combination of services, delivery, and product.

CUSTOMER SERVICE & TECHNICAL SUPPORT

Gardner Bender's customer support team offers over 200 years of industry experience. When you call for support, you are talking with the engineers that design, individuals who manufacture, and contractors who use our products. This same team conducts Gardner Bender's Distributor Training School, forging true customer partnerships.

EDI SYSTEMS

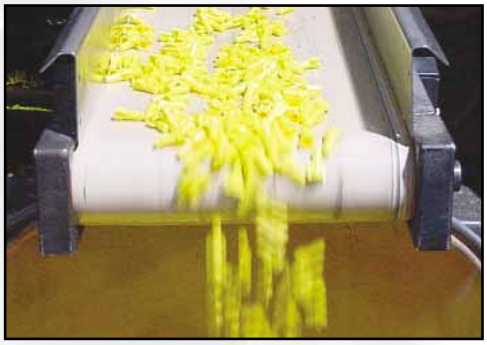
Leading the industry, Gardner Bender introduced EDI (Electronic Data Interaction) systems to our customers in 1988. EDI shortens lead-time between receipt and fulfillment of orders, provides order security and reduces order entry errors. Electronic Commerce increases our customers' competitive edge by providing instant access to inventory while minimizing dollar investment.

DISTRIBUTION

Gardner Bender operates 4 strategically located North American facilities to minimize transit time. Superior information technology such as Oracle® and DOMS® optimizes inventory levels, delivering 98% fill rates within 24 hours. Radio Frequency and Bar Code scanning ensures accuracy.

WORLD CLASS MANUFACTURING

Gardner Bender employs World Class Manufacturing techniques like cellular manufacturing, Kaizen, Poke-a-yoke, Total Productive Maintenance (TPM), Total Quality Control (TQC) to make over 70% of everything we sell. Customer demand drives production through Kan Ban, Just-in-time (JIT), and other inventory pull systems.



MARKETING SUPPORT

Gardner Bender's marketing support team is committed to selling our product through your business to the end-user. The Impact™ Merchandising Program provides distributors ready-made displays featuring only best-selling products. Gardner Bender's ad campaign focuses on innovative products which reinforce professional quality and promote labor savings. Promotions target your customers.

A Glimpse Through Time:

THE EARLY YEARS

1959 *Jim Gardner founds Gardner Bender*

1959 *Aluminum conduit bender with built-in levels invented*

1961 *Metal stamping products introduced*

INNOVATION

1970 *First fishtape w/ steering wheel grip invented*

1974 *Jim Gardner builds 21,500 sq. ft. facility*

1975 *First wire connectors w/ offset wings introduced*

1979 *Exclusive Cyclone® bender was introduced*

Contractors demand the best. That's why Gardner Bender designs and manufactures electrical tools and supplies that reduce labor and increase safety. See why contractors demand Gardner Bender.

TRAILER PROGRAM

Gardner Bender operates 16 trailers that travel from jobsite to jobsite throughout North America. The mobile classroom program expands contractor knowledge and supplements distributor open houses, counter days and other activities. No other manufacturer in our class maintains this strong of an investment in end-user training.

CONTRACTOR NIGHT

Gardner Bender incorporates end-users into the product development cycle through scheduled Contractor Nights. Cross-functional teams of employees, contractors, and engineers design improvements for current product, solutions for new applications and provide feedback for revolutionary concepts. Gardner Bender exclusives like the Volt-Check™, Circuit Alert™, Cyclone®, and HotTube™ are all results of Contractor Nights.

INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS (IBEW)

Gardner Bender, along with the International Brotherhood of Electrical Workers, train apprentices and journeymen to

become more productive and knowledgeable contractors. Gardner Bender has donated products for training facilities across the country. Preferred status at locations like Pittsburgh's Local 5 Training Facility demonstrates our commitment to the contractor trade.

TESTIMONIALS

Gardner Bender is the company of choice for delivering industry-leading contractors quality, innovation, and value:

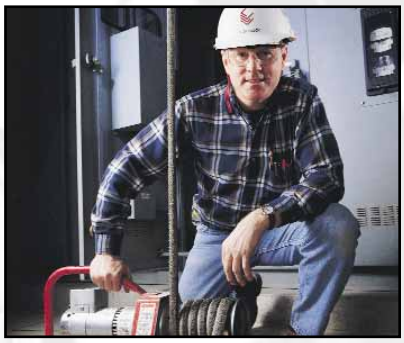
"Working on jobs this size [Miller Park] require the toughest and most reliable tools. That's why I've trusted Gardner Bender for over twenty-two years."

Larry Martin • Supervising Foreman
Pieper Electric • Milwaukee, WI

"Quality and reliability are key. That's why we demand the best tools in the industry – Gardner Bender."

Ron Nabors • Project Superintendent
Sasco Electric • Santa Clara, CA

"The unique features on Gardner Bender products makes them versatile and durable enough to live up to our everyday demands."



Rick Brock • Superintendent
Continental Electric Construction Company • Chicago, IL

PRODUCT LINE EXTENSION

1988 *Powered bending & fishing products added*
1989 *Jetline® fishing products added*
1993 *Comprehensive staple product line added*
1995 *Cable Ties product line added*

CAPABILITY EXPANSION

1995 *75,000 sq. ft. of manufacturing added*
1997 *210,000 sq. ft. distribution centers opened*
1998 *Fully embraced World Class Manufacturing*
1999 *ERP system implemented*

PRODUCT DEVELOPMENT

Gardner Bender's internal design team focuses on designing products that reduce labor, improve craftsmanship and increase job safety. Below are a few examples of products that have been recently added to our product line. Look for the NEW icon throughout the catalog for more product additions.

NEW WIRE CONNECTORS IN JARS

WireGard™, WingGard™, Hex-Lok®, and Uni-Lok™ connectors come in convenient, newly designed storage jars.

See page 5 for info on Wire Connectors.

NEW CYCLONE® BENDER NEWLY ENHANCED

The best conduit bender is now even better with additional features for improved mobility and safety.

See page 30 for info on the New Cyclone® Bender.

NEW HOTBLANKET™ NEWLY ENHANCED

Newly enhanced HotBlanket™ PVC benders feature a multi-strand heavy-gauge wire, unique seven-circuit design and thermostatic control – all increase the lifetime of the blanket up to four times.

See page 59 for info on HotBlanket™ PVC benders.

NEW CABLE SNAKE™

Comfortable, ergonomic handle, large gripping surface, and 20% more tape make for faster and easier fishing runs.

See page 72 for info on Cable Snake™ fish tapes.

NEW SUPER SLUG-OUT™ KNOCKOUTS

Exclusive three knife design splits slug into three pieces, allowing easy removal from the die.

See page 120 for info on Super Slug-Out™ knockouts.

NEW VOLT CHECK™

Automatically selects proper function and range for voltage & continuity testing.

See page 139 for info on the Volt Check™.

NEW WIRE TRACKER™ & LAN TRACKER™

Original compact design traces virtually any unshielded and unenergized wire or cable. Unique housing stores all transmitter plugs.

See pages 155 & 156 for info on the Wire Tracker™ & LAN Tracker™.

TABLE OF CONTENTS

For additional assistance, please reference the Index by Part Number located in the back of the catalog.

WIRE CONNECTING, TERMINATION & CONTROL 5

wire connectors • crimp connectors • grounding accessories • heat shrink tubing • terminals & disconnects • switches

CONDUIT BENDING 30

electric conduit benders • hydraulic conduit benders • electric & manual hydraulic pumps • hydraulic cylinders • mechanical conduit benders • hand benders • PVC benders

CONDUIT FISHING & WIRE HANDLING 61

powered fishing systems • powered fishing accessories • fish tapes & accessories • cable pullers & accessories • pulling lubricants • pulling rope • wire & rope caddies

HAND TOOLS & HOLE CUTTING 93

wire strippers • multi-tools • voice/data/video strippers & crimpers • pliers • cable strippers & cutters • knockouts & knockout sets • hole saws • arbors & saw blades • bits • metal cases

TESTERS & ACCESSORIES 135

voltage & continuity testers • non-contact voltage testers • receptacle testers • stud finders • analog multimeters • digital multimeters • clamp meters • test kits • voice/data/video testers

CABLE TIES, STAPLES & FASTENERS 161

cable ties & accessories • wire markers & clips • metal staples • plastic staples • cable clamps & fasteners • fittings & bushings • seals & straps • fastening kits

ICON KEY

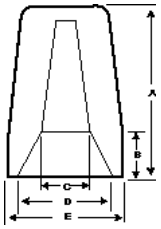
The Icons below have been placed throughout the catalog for easy use and identification.

NEW	Item has recently been added to the product line.		Recognized by Underwriters Laboratory Inc.
VOICE DATA VIDEO	Products are designed for Voice Data Video applications.		Approved by Canadian Standard Association.
SEE PAGE 72 For Info on Fish Tapes	Indicates where complimentary products are listed within catalog.	CE	Certified to European standards.
For easier pulling use GB Super Slick™.	Indicates helpful tips for product use.	CAT III	Meets IEC-1010-1 specifications for Catagory III applications.
USA	Product is made in USA.	One Year Warranty	Product carries a one year limited warranty.
UL	Listed by Underwriters Laboratory Inc.	Five Year Warranty	Product carries a five year limited warranty.
c UL us	Listed by Underwriters Laboratory Inc. for United States and Canada.	Lifetime Warranty	Product carries a lifetime warranty.

WIREGARD™ COLOR-CODED SCREW-ON WIRE CONNECTORS

The industry's standard twist-on connector with quality performance and durability.

- Color-coded for easy size selection.
- Tight, square-wire spring makes quick, secure connections for positive continuity.
- Tough, thermoplastic shell shields against environmental extremes.
- Resists chemical action from hydrocarbons, dilute acid or alkaline solutions.
- Flame-retardant properties resist heat distortion up to 105 °C (221 °F).
- High-dielectric shell features deep skirt design to prevent exposure of bare wire.
- Copper to copper connections only.



Dimensions

Model	A	B	C	D	E
GB-1	37/64	11/64	1/8	1/4	21/64
GB-2	45/64	11/64	3/16	5/16	25/64
GB-3	27/32	21/64	13/64	11/32	7/16
GB-4	15/16	17/64	15/64	7/16	35/64
GB-6	1 1/16	17/64	21/64	17/32	21/32

SEE PAGE 9 for info on Assortments & Kits

	Color	Part #	Pkg Qty	Wire Range	Min	Max
GB-1 / 71B		10-001	100/box	#22 - #16 AWG[1]	1 #20 w/1 #22	2 #16
		11-001	1,000/bulk case	#22 - #16 AWG[1]	1 #20 w/1 #22	2 #16
		12-001	25,000/bulk keg	#22 - #16 AWG[1]	1 #20 w/1 #22	2 #16
		16-001	150/jar	#22 - #16 AWG[1]	1 #20 w/1 #22	2 #16
		19-001	14/card	#22 - #16 AWG[1]	1 #20 w/1 #22	2 #16
		25-001	25/resealable bag	#22 - #16 AWG[1]	1 #20 w/1 #22	2 #16
GB-2 / 72B		10-002	100/box	#22 - #16 AWG[1]	3 #22	3 #16
		11-002	1,000/bulk case	#22 - #16 AWG[1]	3 #22	3 #16
		12-002	10,000/bulk keg	#22 - #16 AWG[1]	3 #22	3 #16
		16-002	150/jar	#22 - #16 AWG[1]	3 #22	3 #16
		19-002	14/card	#22 - #16 AWG[1]	3 #22	3 #16
		25-002	25/resealable bag	#22 - #16 AWG[1]	3 #22	3 #16
GB-3 / 73B		10-003	100/box	#22 - #14 AWG[3]	3 #20	4 #16 w/1 #20
		11-003	1,000/bulk case	#22 - #14 AWG[3]	3 #20	4 #16 w/1 #20
		12-003	10,000/bulk keg	#22 - #14 AWG[3]	3 #20	4 #16 w/1 #20
		13-003	10,000/keg[4]	#22 - #14 AWG[3]	3 #20	4 #16 w/1 #20
		16-003	100/jar	#22 - #14 AWG[3]	3 #20	4 #16 w/1 #20
		16-003L	700/jar	#22 - #14 AWG[3]	3 #20	4 #16 w/1 #20
		17-003	50/bag	#22 - #14 AWG[3]	4 #20	5 #16 w/1 #20
		18-430	400/bag	#22 - #14 AWG[3]	3 #20	4 #16 w/1 #20
		19-003	12/card	#22 - #14 AWG[3]	3 #20	4 #16 w/1 #20
		25-003	25/resealable bag	#22 - #14 AWG[3]	3 #20	4 #16 w/1 #20
		50-003	6,000/bucket[6]	#22 - #14 AWG[3]	3 #20	4 #16 w/1 #20
GB-4 / 74B		10-004	100/box	#18 - #10 AWG[3]	1 #14 w/1 #18	4 #14
		11-004	1,000/bulk case	#18 - #10 AWG[3]	1 #14 w/1 #18	4 #14
		12-004	10,000/bulk keg	#18 - #10 AWG[3]	1 #14 w/1 #18	4 #14
		13-004	10,000/keg[4]	#18 - #10 AWG[3]	1 #14 w/1 #18	4 #14
		16-004	200/jar	#18 - #10 AWG[3]	1 #14 w/1 #18	4 #14
		16-004L	400/jar	#18 - #10 AWG[3]	1 #14 w/1 #18	4 #14
		17-004	50/bag	#18 - #10 AWG[3]	2 #14 w/1 #18	5 #14
		18-440	400/bag	#18 - #10 AWG[3]	1 #14 w/1 #18	4 #14
		19-004	9/card	#18 - #10 AWG[3]	1 #14 w/1 #18	4 #14
		25-004	25/resealable bag	#18 - #10 AWG[3]	1 #14 w/1 #18	4 #14
		50-004	4,000/bucket[7]	#18 - #10 AWG[3]	1 #14 w/1 #18	4 #14
GB-6 / 76B		10-006	100/box	#18 - #10 AWG[3]	2 #14	2 #10 w/2 #12
		11-006	1,000/bulk case	#18 - #10 AWG[3]	2 #14	2 #10 w/2 #12
		12-006	5,000/bulk keg	#18 - #10 AWG[3]	2 #14	2 #10 w/2 #12
		13-006	5,000/keg[5]	#18 - #10 AWG[3]	2 #14	2 #10 w/2 #12
		16-006	125/jar	#18 - #10 AWG[3]	2 #14	2 #10 w/2 #12
		16-006L	300/jar	#18 - #10 AWG[3]	2 #14	2 #10 w/2 #12
		17-006	50/bag	#18 - #10 AWG[3]	3 #14	3 #10 w/2 #12
		18-260	200/bag	#18 - #10 AWG[3]	2 #14	2 #10 w/2 #12
		19-006	6/card	#18 - #10 AWG[3]	2 #14	2 #10 w/2 #12
		25-006	25/resealable bag	#18 - #10 AWG[3]	2 #14	2 #10 w/2 #12
		50-006	2,500/bucket[11]	#18 - #10 AWG[3]	2 #14	2 #10 w/2 #12

[1] Connections rated at 300 V Max. [2] Connections rated at 600 V Max. [3] Connections rated at 300 V Max. and 600 V Max.
Note: Connection rated at 600 + V Max. for Building Wiring and rated at 1000 V Max. in lighting fixtures/luminaries and signs. See carton for detailed wire combination ratings.
[4] 20 bags of 500 ea. [5] 20 bags of 250 ea. [6] 12 bags of 500 ea. [7] 8 bags of 500 ea. [11] 10 bags of 250 ea.

HI-TEMP BLACK CONNECTORS FOR TOUGH ENVIRONMENTS

Connectors manufactured with high-temperature rated plastic to withstand extreme temperatures.

- Temperature rated to 150 °C (302 °F).
- Available in four standard models.

Model	Size	Part #	Pkg Qty	Wire Range	Min	Max
GB-1	71B	10-001HT	100/box	#22 - #16 AWG[1]	3 #22	2 #16
GB-1	71B	27-001	25,000/bulk keg	#22 - #16 AWG[1]	3 #22	2 #16
GB-2	72B	10-002HT	100/box	#22 - #16 AWG[1]	3 #20	3 #16
GB-2	72B	27-002	10,000/bulk keg	#22 - #16 AWG[1]	3 #20	3 #16
GB-3	73B	10-003HT	100/box	#22 - #14 AWG[3]	3 #20	4 #16 w/1 #20
GB-3	73B	27-003	10,000/bulk keg	#22 - #14 AWG[3]	3 #20	4 #16 w/1 #20
GB-4	74B	10-004HT	100/box	#18 - #10 AWG[3]	1 #14 w/1 #18	4 #14
GB-4	74B	27-004	10,000/bulk keg	#18 - #10 AWG[3]	1 #14 w/1 #18	4 #14

[1] Connections rated at 300 V Max. [3] Connections rated at 300 V Max. and 600 V Max. Note: Connection rated at 600 + V Max. for building wiring and rated at 1000 V Max. in lighting fixtures/luminaries and signs. See carton for detailed wire combination ratings.

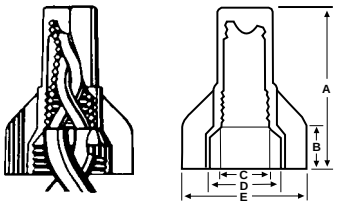
WINGGARD™ COLOR-CODED TWIST-ON WIRE CONNECTORS

Unsurpassed quality and durability in a high-leverage, easy-on wing type design.

- Wings are knurled for a surer grip and offset from centerline for greater twisting leverage.
- Square-wire plated spring instantly adjusts to the shape and size of the splice.
- Flame-retardant properties resist heat distortion up to 105 °C (221 °F).
- High-dielectric shell features deep skirt design to prevent exposure of bare wire.
- Copper to copper connections only.

	Color	Part #	Pkg Qty	Wire Range	Min	Max
#84™		10-084	100/box	#22 - #10 AWG[3]	2 #18	3 #12
		11-084	1,000/bulk case	#22 - #10 AWG[3]	2 #18	3 #12
		12-084	10,000/bulk keg	#22 - #10 AWG[3]	2 #18	3 #12
		13-084	10,000/bulk keg[4]	#22 - #10 AWG[3]	2 #18	3 #12
		16-084	100/jar	#22 - #10 AWG[3]	3 #18	4 #12
		16-084L	600/jar	#22 - #10 AWG[3]	3 #18	4 #12
		17-084	50/bag	#22 - #10 AWG[3]	2 #18	3 #12
		18-484	400/bag	#22 - #10 AWG[3]	2 #18	3 #12
		19-084	6/card	#22 - #10 AWG[3]	2 #18	3 #12
		25-084	25/resealable bag	#22 - #10 AWG[3]	2 #18	3 #12
		50-084	5,000/bucket[8]	#22 - #10 AWG[3]	2 #18	3 #12
#86™		10-086	100/box	#18 - #10 AWG[3]	2 #14	5 #12
		11-086	1,000/bulk case	#18 - #10 AWG[3]	2 #14	5 #12
		12-086	10,000/bulk keg	#18 - #10 AWG[3]	2 #14	5 #12
		13-086	10,000/bulk keg[4]	#18 - #10 AWG[3]	2 #14	5 #12
		16-086	125/jar	#18 - #10 AWG[3]	3 #14	3 #14
		16-086L	325/jar	#18 - #10 AWG[3]	3 #14	6 #12
		17-086	50/bag	#18 - #10 AWG[3]	2 #14	5 #12
		18-486	400/bag	#18 - #10 AWG[3]	2 #14	5 #12
		19-086	6/card	#18 - #10 AWG[3]	2 #14	5 #12
		25-086	25/resealable bag	#18 - #10 AWG[3]	2 #14	5 #12
		50-086	3,000/bucket[9]	#18 - #10 AWG[3]	2 #14	5 #12
#89™		10-089	50/box	#14 - #6 AWG[3]	1 #10 w/1 #12	1 #6 STR w/2 #8 STR
		11-089	1,000/bulk case	#14 - #6 AWG[3]	1 #10 w/1 #12	1 #6 STR w/2 #8 STR
		12-089	2,500/bulk keg	#14 - #6 AWG[3]	1 #10 w/1 #12	1 #6 STR w/2 #8 STR
		13-089	2,500/keg[10]	#14 - #6 AWG[3]	1 #10 w/1 #12	1 #6 STR w/2 #8 STR
		16-089	50/jar	#14 - #6 AWG[3]	1 #10 w/1 #12	1 #6 STR w/2 #8 STR
		19-089	2/card	#14 - #6 AWG[3]	1 #10 w/1 #12	1 #6 STR w/2 #8 STR
		25-089	10/resealable bag	#14 - #6 AWG[3]	1 #10 w/1 #12	1 #6 STR w/2 #8 STR

[3] Connections rated at 300 V Max. and 600 V Max. Note: Connection rated at 600 + V Max. for Building Wiring and rated at 1000 V Max. in lighting fixtures/luminaries and signs. See carton for detailed wire combination ratings.
[4] 20 bags of 500 ea. [8] 10 bags of 500 ea. [9] 6 bags of 500 ea. [10] 25 bags of 100 ea.



Dimensions

Model	A	B	C	D	E
#84™	1 1/32	5/16	7/32	1/4	23/32
#86™	1 1/4	5/16	9/32	7/16	29/32
#88™	1 5/16	3/8	11/32	9/16	1 1/16
#89™	1 8/16	7/16	3/8	3/4	1 1/4

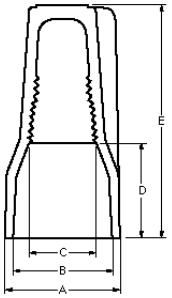
UNI-LOK™ UNIVERSAL WIRE CONNECTORS

Versatile and cost-effective, Uni-Lok™ connectors are designed to accept a wide range of wire combinations.

- Swept mini-wings provide additional torque.
- Square-wire spring grabs and holds wires for secure connections.
- Long skirt covers stripped wires.
- Rated at 600 V max in building wire and at 1000 V max in lighting fixtures/luminaries and signs.
- Copper to copper connections only.

	Color	Part #	Pkg Qty	Wire Range	Min	Max
G1		**10-1G1**	100/box	#22 - #12 AWG	4 #22	3 #12
		13-1G1	10,000/keg[4]	#22 - #12 AWG	4 #22	3 #12
		16-1G1	100/jar	#22 - #12 AWG	4 #22	3 #12
		16-1G1L	550/jar	#22 - #12 AWG	4 #22	3 #12
		19-1G1	6/card	#22 - #12 AWG	4 #22	3 #12
		25-1G1	25/resealable bag	#22 - #12 AWG	4 #22	3 #12
		50-1G1	5,000/bucket[8]	#22 - #12 AWG	4 #22	3 #12
G2		**10-2G2**	100/box	#22 - #10 AWG	3 #20	5 #12
		13-2G2	10,000/keg[4]	#22 - #10 AWG	3 #20	5 #12
		16-2G2	150/jar	#22 - #10 AWG	3 #20	5 #12
		16-2G2L	350/jar	#22 - #10 AWG	3 #20	5 #12
		19-2G2	6/card	#22 - #10 AWG	3 #20	5 #12
		25-2G2	25/resealable bag	#22 - #10 AWG	3 #20	5 #12
		50-2G2	3,000/bucket[9]	#22 - #10 AWG	3 #20	5 #12

[4] *20 bags of 500 ea.* [8] *10 bags of 500 ea.* [9] *6 bags of 500 ea.*



Dimensions

Model	A	B	C	D	E
G1	31/64	27/64	9/32	13/32	63/64
G2	37/64	33/64	23/64	27/64	1 11/64

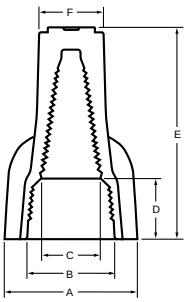
HEX-LOK® MULTI-RANGE WIRE CONNECTORS

Multi-range, hex head copper to copper connector covers 95% of everyday applications.

- Streamlined design for compact installations.
- Square-wire spring grabs and holds wires for secure connections.
- Long skirt covers stripped wires.
- Rated at 600 V max in building wire and at 1000 V max in lighting fixtures/luminaries and signs.
- Copper to copper connections only.

	Color	Part #	Pkg Qty	Wire Range	Min	Max
H1		**10-1H1**	100/box	#22 - #6 AWG	3 #22	4 #12 w/2 #18
		13-1H1	10,000/keg[4]	#22 - #6 AWG	3 #22	4 #12 w/2 #18
		16-1H1	175/jar	#22 - #6 AWG	3 #22	4 #12 w/2 #18
		16-1H1L	400/jar	#22 - #6 AWG	3 #22	4 #12 w/2 #18
		19-1H1	6/card	#22 - #6 AWG	3 #22	4 #12 w/2 #18
		25-1H1	25/resealable bag	#22 - #6 AWG	3 #22	4 #12 w/2 #18
		50-1H1	3,000/bucket[9]	#22 - #6 AWG	3 #22	4 #12 w/2 #18
H2		**10-2H2**	50/box	#14 - #6 AWG	3 #14	1 #6 w/1 #8
		13-2H2	5,000/keg[5]	#14 - #6 AWG	3 #14	1 #6 w/1 #8
		16-2H2	75/jar	#14 - #6 AWG	3 #14	1 #6 w/1 #8
		16-2H2L	200/jar	#14 - #6 AWG	3 #14	1 #6 w/1 #8
		19-2H2	6/card	#14 - #6 AWG	3 #14	1 #6 w/1 #8
		25-2H2	25/resealable bag	#14 - #6 AWG	3 #14	1 #6 w/1 #8

[4] *20 bags of 500 ea.* [5] *20 bags of 250 ea.* [9] *6 bags of 500 ea.*



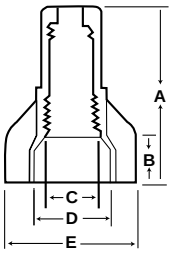
Dimensions

Model	A	B	C	D	E	F
H1	47/64	9/16	5/16	21/61	15/32	5/16
H2	1	15/32	25/64	13/32	1 21/64	7/16

GREENGARD™ GROUNDING WIRE CONNECTORS

Specifically designed for making positive ground connections, GreenGard™ connectors feature the same live-action as GB WingGard™ connectors with the added plating protection for corrosion resistance in grounding applications.

- Contoured, offset wings enable firm ground connections.
- Flame retardant, thermoplastic shell resists punctures, cuts, abrasion and corrosion.
- Connectors have a hole in the tip for ground wire.
- Solid copper to copper connections only.



	Color	Part #	Pkg Qty	Wire Range	Min	Max
#95™		10-095	100/box	#14 - #10 AWG[2]	2 #14	4 #12
		11-095	1,000/bulk case	#14 - #10 AWG[2]	2 #14	4 #12
		12-095	10,000/bulk keg	#14 - #10 AWG[2]	2 #14	4 #12
		13-095	10,000/keg[4]	#14 - #10 AWG[2]	2 #14	4 #12
		16-095	150/jar	#14 - #10 AWG[2]	2 #14	4 #12
		19-095	6/card	#14 - #10 AWG[2]	2 #14	4 #12
		25-095	25/resealable bag	#14 - #10 AWG[2]	2 #14	4 #12

[2] *Connections rated at 600 V Max.* [4] *20 bags of 500 ea.*

Dimensions

Model	A	B	C	D	E
#95™	1 5/32	5/16	9/32	7/16	29/32

WIRE CONNECTOR ASSORTMENTS

Gardner Bender offers industry-leading wire connectors in a wide variety of designs and sizes for dependable secured connecting.

- Expandable square wire spring creates a strong vibration-resistant connection.
- Deep skirt design helps prevent exposure of bare wires.
- Provides superior flash-over protection.
- Tough thermoplastic shell, shields against environmental extremes.

Part #	Pkg Qty	Description
19-AWC	9/card	Assorted WireGard™ Connectors

Kit Contains:

Qty	Type	Wire Range	Min	Max
2	GB-1	#22 - #16 AWG	1 #20 w/1 #22	2 #16
2	GB-3	#22 - #14 AWG	3 #20	4 #16 w/1 #20
3	GB-4	#18 - #10 AWG	1 #14 w/1 #18	4 #14
2	GB-6	#18 - #10 AWG	2 #14	2 #10 w/2 #12

Part #	Pkg Qty	Description
25-AWC	25/bag	Assorted WireGard™ Connectors

Kit Contains:

Qty	Type	Wire Range	Min	Max
3	GB-1	#22 - #16 AWG	1 #20 w/1 #22	2 #16
4	GB-2	#22 - #16 AWG	3 #22	3 #16
6	GB-3	#22 - #14 AWG	3 #20	4 #16 w/1 #20
6	GB-4	#18 - #10 AWG	1 #14 w/1 #18	4 #14

Part #	Pkg Qty	Description
19-AWW	5/card	Assorted WingGard™ Connectors

Kit Contains:

Qty	Type	Wire Range	Min	Max
2	GB-4	#18 - #10 AWG	1 #14 w/1 #18	4 #14
2	GB-6	#18 - #10 AWG	2 #14	2 #10 w/2 #12
1	GB-1	#22 - #16 AWG	1 #20 w/1 #22	2 #16

WIRE CONNECTOR ASSORTMENT

The industries leading WireGard™ wire connectors in a convenient assortment.

- Square-wire spring enables fast connections.
- Thermoplastic shell shields against environmental extremes.
- Deep skirt design protects wires.

Part #	Pkg Qty	Description
TK-32	1 kit	Slide-Card Kit with 32 Assorted Wire Connectors

Kit Contains:

Qty	Type	Wire Range	Min	Max
10	GB-1 Connectors	#22 - #16 AWG	1 #20 w/1 #22	2 #16
8	GB-2 Connectors	#22 - #16 AWG	3 #22	3 #16
6	GB-3 Connectors	#22 - #14 AWG	3 #20	4 #16 w/1 #20
2	GB-4 Connectors	#18 - #10 AWG	1 #14 w/1 #18	4 #14
4	Crimp Connectors		1 #20 w/1 #12	2 #14
2	Crimp Connectors		4 #22	2 #16

WIRE CONNECTOR & TERMINAL KIT

Unique assortment of wire connecting and terminating products.

- Includes WireGard™ wire connectors.
- Includes ring and spade terminals, and tap and butt splices for various applications.
- Contained in a convenient compartment case for easy carrying and storage.

Part #	Pkg Qty	Description
TK-100	1 kit	Slide-Card Kit with 80 Assorted Wire Connectors & Solderless Terminals

WireGard™ Part of Kit Contains:

Qty	Type	Wire Range	Min	Max
8	GB-1 Connector	#22 - #16 AWG	1 #20 w/1 #22	2#16
4	GB-3 Connector	#22 - #14 AWG	3 #20	4 #16 w/1 #20
4	GB-4 Connector	#18 - #10 AWG	1 #14 w/1 #18	4 #14
4	GB-6 Connector	#18 - #10 AWG	2 #14	2 #10 w/2 #12

Terminal Part of Kit Contains:

Qty	Type	Wire Range	Color	Qty	Type	Wire Range	Color
5	Ring Terminal	22-18 AWG	Red	5	Female Disconnect	16-14 AWG	Blue
5	Ring Terminal	16-14 AWG	Blue	5	Male Disconnect	16-14 AWG	Blue
5	Ring Terminal	12-10 AWG	Yellow	5	Tap Splice	18-14 AWG	Blue
5	Spade Terminal	22-18 AWG	Red	5	Butt Splice	22-18 AWG	Red
5	Spade Terminal	16-14 AWG	Blue	5	Butt Splice	16-14 AWG	Blue
5	Spade Terminal	12-10 AWG	Yellow	5	Butt Splice	12-10 AWG	Yellow

WIRE CONNECTOR & TERMINAL KIT

Broad assortment of wire connecting and terminating products.

- High quality, standard screw-on WireGard™ style wire connectors.
- Includes rings, spades, and tap terminals, and butt splices for various applications.
- Contained in a convenient compartment case for easy carrying and storage.

Part #	Pkg Qty	Description
TK-500	1 kit	Slide Card Kit with 247 Assorted Wire Connectors & Solderless Terminals

WireGard™ Part of Kit Contains:

Qty	Type	Wire Range	Min	Max
25	GB-1 Connector	#22 - #16 AWG	1 #20 w/1 #22	2 #16
15	GB-3 Connector	#22 - #14 AWG	3 #20	4 #16 w/1 #20
15	GB-4 Connector	#18 - #10 AWG	1 #14 w/1 #18	4 #14
15	GB-6 Connector	#18 - #10 AWG	2 #14	2 #10 w/2 #12

Terminal Part of Kit Contains:

Qty	Type	Wire Range	Color	Qty	Type	Wire Range	Color
12	Tap Splice	18-14 AWG	Blue	20	Female Disconnect	16-14 AWG	Blue
20	Ring Terminal	22-18 AWG	Red	5	Male Disconnect	16-14 AWG	Blue
20	Ring Terminal	16-14 AWG	Blue	15	Butt Splice	22-18 AWG	Red
20	Spade Terminal	22-18 AWG	Red	15	Butt Splice	16-14 AWG	Blue
20	Spade Terminal	16-14 AWG	Blue	15	Pigtail		

NYLON PIGTAIL CONNECTORS

Closed-end crimp connector designed for use with solid or stranded wire.

- Two sizes available.
- Vibration resistant.
- Tin-plated seamless copper.
- Corrosion and chemical resistant.

Part #	Qty	Wire Range	Min	Max
14-089	7/card	#22 - #14 AWG	2 #22	1 #14 w/1 #18
14-090	6/card	#22 - #12 AWG	3 #18	1 #10 w/1 #20
PTL-2214	50/box	#22 - #14 AWG	2 #22	1 #14 w/1 #18

SEE PAGE 106
for info on GCP-400 Crimp Tool

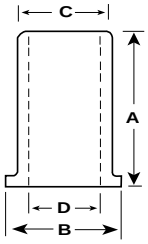
CRIMP CONNECTORS

Use GB crimp connectors for strong, vibration-resistant permanent connections in branch circuit and fixture wiring.

- Two styles to choose from copper or zinc-plated.

Part #	Model	Type	Pkg Qty	Wire Range	Min	Max
10-310	310	Copper	100/box	#18 - #10 AWG	2 #16	2 #10 w/1 #12
10-410	410	Zinc-plated steel	100/box	#18 - #10 AWG	2 #16	2 #10 w/1 #12
10-410C	410	Zinc-plated steel	100/clam	#18 - #10 AWG	2 #16	2 #10 w/1 #12
11-410	410	Zinc-plated steel	1,000/bulk case	#18 - #10 AWG	2 #16	2 #10 w/1 #12
13-410	410	Zinc-plated steel	10,000/keg[2]	#18 - #10 AWG	2 #16	2 #10 w/1 #12
14-410	410	Zinc-plated steel	12/card	#18 - #10 AWG	2 #16	2 #10 w/1 #12
10-311	311	Copper	50/box	#14 - #8 AWG	3 #12	4 #10
10-411	411	Zinc-plated steel	50/box	#14 - #8 AWG	3 #12	4 #10

[2] *20 bags of 500 ea.*



Dimensions

Model	A	B	C	D
310/410	3/8	19/64	1/4	13/64
311/411	5/8	23/64	21/64	17/64

SPLIT BOLT CONNECTORS

For use with copper to copper, copperweld to copperweld or copper to copperweld conductors.

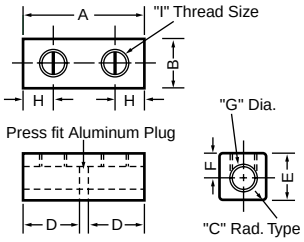
Part #	Pkg Qty	Wire Range
14-702	1/card	#2 AWG Maximum
14-704	1/card	#4 AWG Maximum
10-706	25/box	#6 AWG Maximum
14-706	1/card	#6 AWG Maximum
14-708	1/card	#8 - #10 AWG Maximum

14-801

GSPA-0

ALUMINUM TO COPPER LUG CONNECTORS

For aluminum to copper connections.



Part #	Pkg Qty	Wire Range
14-801	1/box	#14 - #2 AWG
14-802	1/box	#14 - #1/0 AWG

Dimensions

Model	A	B	C	D	E	F	G	H	I	Wire Range
14-801	1.37	.50	.09	.72	.56	.31	.31	.31	⅜ x 24 UNF	#14 - #2 AWG
14-802	1.91	.75	.15	.89	.75	.38	.37	.44	7/16 x 16 UNF	#14 - #1/0 AWG

ML-0614B

ML-1014B

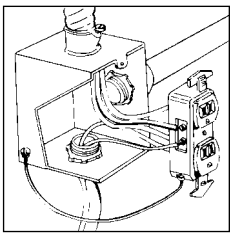
TERMINAL LUGS FOR HEAVIER COPPER WIRE CONDUCTORS

For connection of heavier gauge copper connections.

- Compact for use in tight locations.

Part #	Pkg Qty	Wire Range
ML-0614B	2/card	#6 STR - #14 SOL Offset Tang
ML-1014B	2/card	#10 STR - #14 SOL Offset Tang

GROUNDING ACCESSORIES



Convenient grounding accessory kit contains products suitable for most job requirements.

- Zinc-plated grounding clips provide positive grounding to switch, outlet or junction boxes for #10, 12, 14 AWG copper grounding wire.
- Hex-head grounding screws secure ground wires to circuit box.
- Grounding clamps listed for direct burial and connection of ground wire to ground rod.

Part #	Pkg Qty	Description	Length	Ends
GGP-1261	25/bag	Grounding Pigtail; #12 AWG Solid	6½"	Captured screw/stripped
GGP-1273	25/bag	Grounding Pigtail; #12 AWG Stranded	7"	Stripped/bare fork terminal
GGP-1282	25/bag	Grounding Pigtail; #12 AWG Stranded	8"	Captured screw/bare fork terminal

Part #	Pkg Qty	Description
14-GRC	1/card	Grounding Clamp for ½" - 1" pipe
15-FGC	1/card	Flexible Grounding Clamp for ⅜" - 1" pipe and ½" - 1" Copper
GGC-1014	50/box	Grounding Clip for #10, #12, or #14 AWG
GGC-1508	8/card	Grounding Clip for Aluminum or Copper; Grounding wire; Zinc plated
GGP-1502	2/card	#12 AWG Solid 8" One captured screw and one fork terminal end
GGS-1032HC	100/clam	Hex-Head Ground Screw
GGS-1512R	12/card	Green Round Washer Head Screw for Switch and Outlet Boxes

ELECTRICAL TAPE

All weather standard electrical tape.

• Suitable for applications up to 600 V and not more than 176 °F.

Part #	Pkg Qty	Description
49605	1/card	¾" x 60' x 7 mil. Black Tape - Non-Flame Retardant
GTP-307	1/roll	¾" x 30' x 7 mil. Black Tape - Flame Retardant
GTP-607	1/roll	¾" x 60' x 7 mil. Black Tape - Low-Temp Resistant
GTPX-607	10/sleeve	¾" x 60' x 7 mil. Black Tape - Non-Flame Retardant

COLORED ELECTRICAL TAPE

Various colors of quality electrical tape used for identification and insulation of wiring.

• Suitable for applications up to 600 V and not more than 176 °F.

Part #	Pkg Qty	Color	Description
GTB-667	1/roll	Blue	All-weather
GTE-667	1/roll	Grey	All-weather
GTG-667	1/roll	Green	All-weather
GTPC-512	5/rolls	1 of ea.	All-weather
GTR-667	1/roll	Red	All-weather
GTW-667	1/roll	White	All-weather

FRICTION TAPE

Black friction tape with matted finish available in two lengths.

• Matted finish provides the best gripping surface available.

• Use over electrical splices, wrapping grips, or sporting goods.

• Available in two lengths: 30' or 60' long.

Part #	Pkg Qty	Description
GTF-300	1/roll	¾" wide, 30' long
GTF-600	1/roll	¾" wide, 60' long

SILICONE SELF-SEALING TAPE

High quality tape that insulates all shapes of conductors to 400 V.

• Insulates and seals surfaces from -65 °C to 260 °C.

• Fuses to itself in seconds to stay watertight.

• Permanent mold in 24 hours or in minutes with heat application.

Part #	Pkg Qty	Description
HTP-1010	1/roll	10' Roll

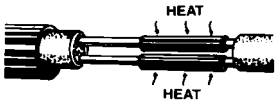
HEAT SHRINK TUBING

Polyolefin tubing shrinks under heat application to insulate wiring up to half its diameter.

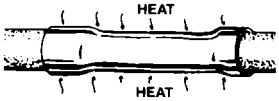
- Useful for repairing cords and covering tool handles.
- Makes strong rope loops and neat ends.
- 600 V/Mil Dielectric strength.
- 2 to 1 shrink rate.

		Inside Diameter			Conductor Gauge AWG*															
Part #	Pkg Qty	Before	Finished	Length	24	22	20	18	16	14	12	10	8	6	4	2	1	1/0	2/0	3/0	4/0
HST-093	8 pcs	3/32"	3/64"	4"	•																
HST-125	7 pcs	1/8"	1/16"	4"		•	•	•													
HST-125S	1 spool	1/8"	1/16"	1000'		•	•	•													
HST-187	8 pcs	3/16"	3/32"	4"			•	•	•	•	•										
HST-250	6 pcs	1/4"	1/8"	4"				•	•	•	•	•									
HST-375	3 pcs	3/8"	3/16"	4"							•	•	•	•	•						
HST-500	3 pcs	1/2"	1/4"	4"								•	•	•	•	•					
HST-750	2 pcs	3/4"	3/8"	4"											•	•	•	•	•	•	
HST-999	2 pcs	1"	1/2"	4"															•	•	•

** Sizes shown are approximate and may vary according to manufacturer and insulation system for each wire.*



Slide tubing over one end of wire to be spliced after removing enough outer insulation to accept the tubing. Then splice wire and slide tubing over splice. Heat gently and uniformly until tubing shrinks tight.



Slide larger tubing over the entire completed splice. Heat gently and uniformly until tubing shrinks tight. Shrinking occurs between 120°C (250°F) and 250°C (480°F). Optimum temperature 205°C (400°F).

HEAVY WALL HEAT SHRINK TUBING

Heavy Wall shrinks under heat to ensure a waterproof seal.

- Inner wall adhesive liner melts and seals during heating.
- Adhesive liner ensures waterproof seal.
- Used for both above or below ground installations.

Part #	Pkg Qty	I.D. Before	I.D. After
HWT-0722	1/bag	1 1/16"	7/32"
HWT-1138	1/bag	1 3/32"	3/8"
HWT-1550	1/bag	1 1/2"	1/2"

THINWALL TUBING ASSORTMENT

This convenient Thinwall Heat Shrink Tubing Assortment offers the most widely used tubing for specific electrical applications.

- Constructed of polyolefin.
- Shrinks up to one half its diameter under heat.
- Provides excellent insulation to wiring.
- Used for repairing cords and covering tool handles.

Part #	Pkg Qty	Description
HST-AST	8/card	Thinwall Tubing Assortment

Kit Contains:

Qty	Part #	Description
4	HST-125	1/8" shrinks to 1/16"
2	HST-187	3/16" shrinks to 3/32"
2	HST-250	1/4" shrinks to 1/8"

UNDERGROUND UF SPLICE KIT

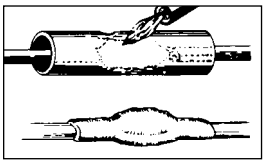
Accommodates waterproof splicing of #14 - #8 AWG UF copper wire.

- Connector set screws engage each wire securely for a solid splice.
- Minimum conductor size 14/2 with ground.
- Maximum conductor size 8/3 with ground.
- 600 V rating.

Part #	Pkg Qty	Description
HST-1300	1 kit	Complete waterproof installation for UF cables

Kit Contains:

Qty	Description
4	Screw Splice Connectors
1	8" Heavy Wall Polyolefin Heat Shrink Tubing with Watertight Adhesive Liner



BUTT SPLICE KIT

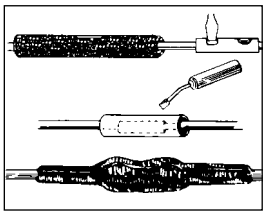
Used for waterproof installation or repair of #2 - #8 AWG copper cable.

- Easy to use.
- Seal with heat gun or torch.
- Eliminates messy epoxies, tapes, or mastics.
- Rated at 600 V maximum.

Part #	Pkg Qty	Description
HSB-28	1 kit	Cable Splice Kit

Kit Contains:

Qty	Description
1	Screw Splice Connector
1	4" Heavy Polyolefin Shrink Tube with Watertight Adhesive Liner



BUTT SPLICE CONNECTOR KIT

Used for waterproof repair of well pipe cables and splices of stranded cable #8 - #14 AWG.

- Connector set screws engage each wire securely for a solid splice.
- Assures safe and permanent connections.
- Rated at 600 V maximum.

Part #	Pkg Qty	Description
HST-WP	1 kit	Well Pipe Wire Splice Kit

Kit Contains:

Qty	Description
1	Screw Splice Connector
1	4" Heavy Polyolefin Shrink Tube with Watertight Adhesive Liner

RING TERMINALS - VINYL INSULATED BARREL

	Color	Part #	Pkg Qty	Stud Size
Gauge 22-18		10-101	100/clam	4 to 6
		10-102	100/clam	8 to 10
		14-101	7/card	4 to 6
		14-102	7/card	8 to 10

	Color	Part #	Pkg Qty	Stud Size
Gauge 16-14		10-103	100/clam	4 to 6
		10-104	100/clam	8 to 10
		10-105	100/clam	12 to 1/4
		14-103	7/card	4 to 6
		14-104	7/card	8 to 10
		14-105	6/card	12 to 1/4
		20-103	22/clam	4 to 6
		20-104	22/clam	8 to 10
		20-105	17/clam	12 to 1/4

	Color	Part #	Pkg Qty	Stud Size
Gauge 12-10		10-106	50/clam	8 to 10
		10-107	50/clam	12 to 1/4
		10-108	50/clam	1/4 to 3/8
		14-106	5/card	8 to 10
		14-107	4/card	12 to 1/4
		14-108	4/card	1/4 to 3/8
		20-106	14/clam	8 to 10
		20-107	14/clam	12 to 1/4
		20-108	13/clam	1/4 to 3/8

	Color	Part #	Pkg Qty	Stud Size
Gauge 6		14-095	4/card	1/4 Stud
		14-096	4/card	3/8 Stud
		14-097	4/card	1/2 Stud

	Color	Part #	Pkg Qty	Stud Size
Gauge 4		14-098	4/card	3/8 Stud
		14-099	4/card	1/2 Stud

SEE PAGE 17 for info on Assortments & Kits

SPADE TERMINALS - VINYL INSULATED BARREL

	Color	Part #	Pkg Qty	Stud Size
Gauge 22-18		10-111	100/clam	4 to 6
		10-112	100/clam	8 to 10
		14-111	7/card	4 to 6
		14-112	7/card	8 to 10
		20-111	20/clam	4 to 6

	Color	Part #	Pkg Qty	Stud Size
Gauge 16-14		10-113	100/clam	4 to 6
		10-114	100/clam	8 to 10
		14-113	7/card	4 to 6
		14-114	7/card	8 to 10
		20-113	20/clam	4 to 6
		20-114	20/clam	8 to 10

	Color	Part #	Pkg Qty	Stud Size
Gauge 12-10		10-116	50/clam	8 to 10
		14-116	5/card	8 to 10
		20-116	14/clam	8 to 10

DISCONNECTS - VINYL INSULATED BARREL

	Color	Part #	Pkg Qty	Type
Gauge 22-18		10-141F	100/clam	Female
		10-141M	100/clam	Male
		10-141P	100/clam	F/M Pairs
		14-141F	6/card	Female
		14-141M	6/card	Male
		20-141F	21/clam	Female
		20-141M	18/clam	Male

	Color	Part #	Pkg Qty	Type
Gauge 16-14		10-143F	100/clam	Female
		10-143M	100/clam	Male
		10-143P	100/clam	F/M Pairs
		14-143F	6/card	Female
		14-143M	6/card	Male
		20-143F	20/clam	Female
		20-143M	18/clam	Male
		20-145M	16/clam	Male

	Color	Part #	Pkg Qty	Type
Gauge 12-10		10-145F	100/clam	Female
		10-145M	100/clam	Male
		14-145F	6/card	Female
		14-145M	6/card	Male
		20-145F	16/clam	Female

DISCONNECTS - FULLY INSULATED

	Color	Part #	Pkg Qty	Type
Gauge 22-18		10-151F	100/clam	Female
		10-151M	100/clam	Male
		10-151P	100/clam	F/M Pairs
		14-151F	4/card	Female
		14-151M	4/card	Male
		14-151P	4/card	F/M Pairs
		20-151P	10/clam	F/M Pairs

	Color	Part #	Pkg Qty	Type
Gauge 16-14		10-153F	100/clam	Female
		10-153M	100/clam	Male
		10-153P	100/clam	F/M Pairs
		14-153F	4/card	Female
		14-153M	4/card	Male
		14-153P	4/card	F/M Pairs
		20-153P	10/clam	F/M Pairs

TAP SPLICES

	Color	Part #	Pkg Qty
Gauge 22-18		10-2218	25/clam
		14-2218	4/card

	Color	Part #	Pkg Qty
Gauge 16-14*		10-100	25/clam
		14-100	4/card
		20-100*	5/clam

* 20-100 has a gauge of 18-14.

	Color	Part #	Pkg Qty
Gauge 12-10		14-1210	2/card

BUTT SPLICES

	Color	Part #	Pkg Qty
Gauge 22-18		10-121	100/clam
		14-121	7/card
		20-121	22/clam

	Color	Part #	Pkg Qty
Gauge 16-14		10-123	100/clam
		14-123	7/card
		20-123	21/clam

	Color	Part #	Pkg Qty
Gauge 12-10		10-126	50/clam
		14-126	5/card
		20-126	15/clam

BULLET SPLICE - FULLY INSULATED

	Color	Part #	Pkg Qty	Type
Gauge 22-18		10-161F	100/clam	Female
		10-161M	100/clam	Male
		10-161P	100/clam	F/M Pairs
		14-161F	4/card	Female
		14-161M	4/card	Male
		14-161P	4/card	F/M Pairs
		20-161P	10/clam	F/M Pairs

	Color	Part #	Pkg Qty	Type
Gauge 16-14		10-163F	100/clam	Female
		10-163M	100/clam	Male
		10-163P	100/clam	F/M Pairs
		14-163F	4/card	Female
		14-163M	4/card	Male
		14-163P	4/card	F/M Pairs
		20-163P	10/clam	F/M Pairs

	Assortment	14-170	17/card	F/M Pairs

SEE PAGE 17 for info on Assortments & Kits

TERMINAL ASSORTMENT

Assortment contains a variety of essential terminating products in a convenient clam shell.

- Variety of styles to accommodate numerous applications.
- Covers terminations from #14 - #22 AWG.

Part #	Pkg Qty	Description
10-170	100/clam	Clamshell Terminal Assortment

Kit Contains:

Qty	Description	Gauge	Color	Qty	Description	Gauge	Color
12	Ring Terminal	16-14 AWG	Blue	14	Butt Splice	22-18 AWG	Red
12	Ring Terminal	22-18 AWG	Red	14	Butt Splice	22-18 AWG	Red
12	Spade Terminal	22-18 AWG	Red	12	Female Disconnect	16-14 AWG	Blue
12	Spade Terminal	16-14 AWG	Blue	12	Male Disconnect	16-14 AWG	Blue

TERMINAL ASSORTMENT

A basic assortment of essential terminating products.

- Variety of styles to accommodate numerous applications.
- Covers terminations from #14 - #22 AWG.

Part #	Pkg Qty	Description
14-170	17/card	Carded Terminal Assortment

Kit Contains:

Qty	Description	Gauge	Color	Qty	Description	Gauge	Color
2	Ring Terminal	16-14 AWG	Blue	2	Butt Splice	22-18 AWG	Red
2	Ring Terminal	22-18 AWG	Red	3	Butt Splice	22-18 AWG	Red
2	Spade Terminal	22-18 AWG	Red	2	Female Disconnect	16-14 AWG	Blue
2	Spade Terminal	16-14 AWG	Blue	2	Male Disconnect	16-14 AWG	Blue

TERMINAL KIT

Assortment of most commonly used stud rings, stud spades, and butt terminals, and female and male disconnects.

- Wide variety of solderless terminals accommodating #10 - #22 AWG for most applications.
- Convenient 18 compartment reclosable carrying and storage case.

Part #	Pkg Qty	Description
TK-175	1 kit	Slide Card Kit with 175 Assorted Solderless Terminals

Kit Contains:

Qty	Description	Gauge	Color	Qty	Description	Gauge	Color
11	Ring Terminal	22-18 AWG	Red	11	Spade Terminal	16-14 AWG	Blue
11	Ring Terminal	16-14 AWG	Blue	11	Spade Terminal	16-14 AWG	Blue
11	Ring Terminal	16-14 AWG	Blue	11	Spade Terminal	16-14 AWG	Blue
11	Ring Terminal	16-14 AWG	Blue	11	Butt Splice	22-18 AWG	Red
9	Ring Terminal	16-14 AWG	Blue	11	Butt Splice	16-14 AWG	Blue
4	Ring Terminal	12-10 AWG	Yellow	4	Butt Splice	12-10 AWG	Yellow
4	Ring Terminal	12-10 AWG	Yellow	11	Female Disconnect	22-18 AWG	Red
11	Spade Terminal	22-18 AWG	Red	11	Female Disconnect	16-14 AWG	Blue
11	Spade Terminal	22-18 AWG	Red	11	Male Disconnect	16-14 AWG	Blue

TERMINALS & DISCONNECTS KIT

Termination made easy with this assortment pack of butt splices, female disconnects, ring and spade terminals.

- Convenient variety of widely used styles and sizes.
- Assorted product necessary for numerous applications.

Part #	Pkg Qty	Description
TK-40	1 kit	Terminal & Disconnect Kit

Kit Contains:

Qty	Description	Gauge	Color	Qty	Description	Gauge	Color
5	Butt Splice	22-18 AWG	Red	5	Spade Terminal	22-18 AWG	Red
4	Butt Splice	16-14 AWG	Blue	3	Spade Terminal	12-10 AWG	Yellow
3	Butt Splice	12-10 AWG	Yellow	5	Female Disconnect	22-16 AWG	Red
6	Ring Terminal	22-18 AWG	Red	5	Female Disconnect	16-14 AWG	Blue
4	Ring Terminal	16-14 AWG	Blue				

ECONOMY INSULATED TERMINAL & CRIMPING TOOL KIT

Economy 25 piece insulated termination and crimping tool kit.

- Includes a multi-function wire stripper/crimper, bolt cutter, and rethreader.
- Contains 24 most commonly used solderless terminals.
- Convenient kit has everything you need for basic terminating applications.

Part #	Pkg Qty	Description
GK-10	1 kit	Terminal & Crimping Tool Kit

Kit Contains:

Qty	Description	Gauge	Color	Qty	Description	Gauge	Color
1	5 Function Multi-tool	–	–	3	Ring Terminal	22-18 AWG	Red
3	Butt Splice	22-18 AWG	Red	3	Ring Terminal	16-14 AWG	Blue
3	Butt Splice	16-14 AWG	Blue	3	Spade Terminal	22-18 AWG	Red
3	Female Disconnect	22-18 AWG	Red	3	Spade Terminal	16-14 AWG	Blue
3	Female Disconnect	16-14 AWG	Blue				

INSULATED TERMINAL & STRIPPING/CRIMPING TOOL KIT

100 piece insulated terminal and stripping/crimping tool kit with multifunctional tool contained in the convenient storage case.

- Includes sleek multi-use stripper-crimper.
- Contains 100 assorted insulated terminals.
- Convenient 11 compartment reclosable storage and carrying case.

Part #	Pkg Qty	Description
GK-15	1 kit	Terminal & Stripper/Crimping Tool Kit

Kit Contains:

Qty	Description	Gauge	Color	Qty	Description	Gauge	Color
1	Multi-Use Stripper (GS-66)	–	–	5	Male Bullet Splice	16-14 AWG	Blue
10	Butt Splice	22-18 AWG	Red	5	Pigtail Connector	22-18 AWG	Natural
10	Butt Splice	16-14 AWG	Blue	3	Pigtail Connector	16-14 AWG	Natural
6	Butt Splice	12-10 AWG	Yellow	1	Pigtail Connector	12-10 AWG	Natural
10	Ring Terminal	22-18 AWG	Red	10	Spade Terminal	22-18 AWG	Red
10	Ring Terminal	16-14 AWG	Blue	10	Spade Terminal	16-14 AWG	Blue
4	Ring Terminal	12-10 AWG	Yellow	5	Female Disconnect	16-14 AWG	Blue
5	Female Bullet Splice	16-14 AWG	Blue	5	Male Disconnect	16-14 AWG	Blue

MULTI-PURPOSE ELECTRICAL KIT

Deluxe electrical kit with tools, tester, tape, and assorted terminals.

- Includes all the tools necessary for electrical terminating applications.
- Contains 30 most commonly used solderless terminals.
- Sturdy reclosable storage and carrying case.

Part #	Pkg Qty	Description
GK-25	1 kit	Terminal & Assorted Tool Kit

Kit Contains:

Qty	Description	Gauge	Color	Qty	Description	Gauge	Color
1	Multi-Use Stripper (GS-66)	–	–	4	Butt Splice	16-14 AWG	Blue
1	Long Nose Pliers	–	–	4	Spade Terminal	22-18 AWG	Red
1	Flat Tip Phillips® Screwdriver	–	–	4	Spade Terminal	16-14 AWG	Blue
1	Phillips® Tip Screwdriver	–	–	4	Ring Terminal	22-18 AWG	Red
1	Electrical Tape (GTP-307)	–	–	4	Ring Terminal	12-10 AWG	Yellow
1	Circuit Tester (GET-100A)	–	–	6	Pigtail Connector	22-18 AWG	Natural
4	Butt Splice	22-18 AWG	Red				

BATTERY CHARGING CLIPS

Designed specifically for battery and testing equipment applications, 5 - 50 A.

- Available in versatile sizes.

Part #	Pkg Qty	Description
14-505	4/card	5 Amp
14-510	4/card	10 Amp
14-520	2/card	20 Amp
14-530	2/card	30 Amp
14-550	1/card	50 Amp
14-552	2/card	50 Amp

INSULATED BATTERY CLAMPS

For battery, battery charger and testing equipment applications.

- Copper clad clamp.
- Handle grips are insulated and color-coded for easy identification.

Part #	Pkg Qty	Description
14-610	2/card (1 red & 1 black)	10 Amp Copper Clad
14-630	2/card (1 red & 1 black)	50 Amp Copper Clad

ALLIGATOR CLIPS

Multi-purpose alligator clips for home, auto and marine applications.

- Available with insulating sleeve.

Part #	Pkg Qty	Description
10-076	24/pack	Non-Ins. #22 - #14 AWG 2"
10-077	24/pack	Barrel-Ins. #22 - #14 AWG 2"
14-075	4/card	Non-Ins. #22 - #14 AWG 1¼"
14-076	4/card	Non-Ins. #22 - #14 AWG 2"
14-077	2/card	Barrel-Ins. #22 - #14 AWG 2"
14-078	2/card	Fully-Ins. #22 - #14 AWG 2"

OX-GARD™ ANTI-OXIDANT COMPOUND

The perfect safeguard for aluminum to aluminum, aluminum to copper wire connections and aluminum conduit joints.

- Guards against oxidation.
- Improves conductivity; penetrates aluminum oxide to maintain inter-strand and inter-conductor current paths.
- Produces a cooler connection.

Part #	Pkg Qty	Description
OX-100	1/tube	1 oz Squeeze Tube
OX-100B	1/tube	1 oz Squeeze Tube (blister pack)
OX-400	1/tube	4 oz Squeeze Tube
OX-800	1/tube	8 oz Squeeze Tube

TOGGLE SWITCHES

Versatile toggle switch family with multiple position configurations.

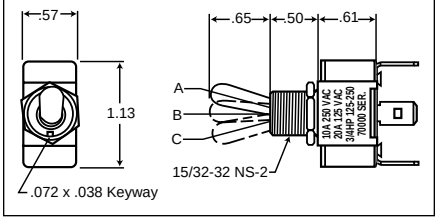
- Available in single or double pole.
- Perfect for industrial equipment, automotive or emergency lighting.
- ½" mounting hole required.
- **Specifications:** 10 A, 277 V AC / 20 A, 125 V AC

Part #	Pkg Qty	Poles	Toggle Position	Terminal Type	Rating
GSW-10	1/card	S.P.S.T.	ON-OFF	Screw	1½ HP 125-250 V AC
GSW-11*	1/card	S.P.S.T.	ON-OFF	Screw	¾ HP 125-250 V AC
GSW-110	1/card	S.P.S.T.	ON-OFF	"O" Ring & Screw	¾ HP 125-250 V AC
GSW-121	1/card	S.P.S.T.	ON-OFF	Spade	¾ HP 125-250 V AC
GSW-12	1/card	S.P.D.T.	ON-ON	Screw	¾ HP 125-250 V AC
GSW-13	1/card	S.P.D.T.	ON-OFF-ON	Screw	¾ HP 125-250 V AC
GSW-120	1/card	S.P.D.T.	ON-OFF-ON	Spade	¾ HP 125-250 V AC
GSW-117	1/card	S.P.D.T.	(ON)-OFF-(ON)	Screw	¾ HP 125-250 V AC
GSW-14	1/card	D.P.S.T.	ON-OFF	Screw	1½ HP 125-250 V AC
GSW-119	1/card	D.P.S.T.	ON-OFF	Spade	1½ HP 125-250 V AC
GSW-15	1/card	D.P.D.T.	ON-ON	Screw	1½ HP 125-250 V AC
GSW-16	1/card	D.P.D.T.	ON-OFF-ON	Screw	1½ HP 125-250 V AC
GSW-123	1/card	D.P.D.T.	(ON)-OFF-(ON)	Screw	1½ HP 125-250 V AC

( ) Indicates momentary action *GSW-11 has an ON-OFF faceplate.

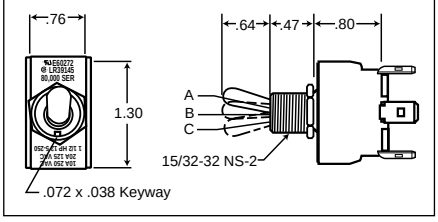
All switches must be installed with a hex nut (provided) behind panel to prevent damage during installation.

Single Pole Toggle



Recommended Mounting Hole: ½" dia.

Double Pole Toggle



Recommended Mounting Hole: ½" dia.

DOUBLE INSULATED, PLASTIC TOGGLE SWITCHES

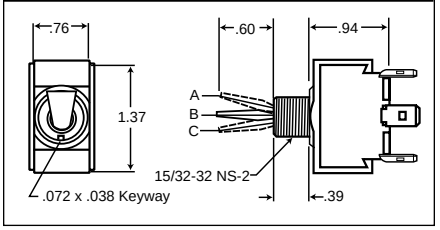
Double insulated for moisture protection in all environments.

- Internal "O" ring design for moisture and dust resistance.
- Perfect for marine/recreational equipment and weather resistant applications.
- **Specifications:** 10 A, 277 V AC / 20 A, 125 V AC

Part #	Pkg Qty	Poles	Toggle Position	Terminal Type
GSW-19	1/card	S.P.S.T.	ON-OFF	Screw
GSW-114	1/card	S.P.D.T.	(ON)-OFF-(ON)	Spade
GSW-116	1/card	S.P.D.T.	(ON)-OFF-(ON)	Spade

( ) Indicates momentary action

Plastic Toggle



Recommended Mounting Hole: ½" dia.

TOGGLE SWITCHES

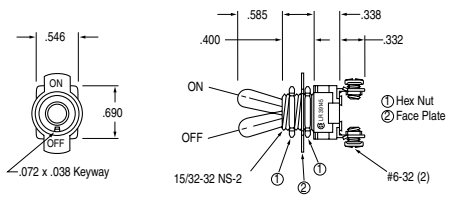
S.P.S.T. smaller constructed toggle switches for limited space applications.

- Frame and support are steel with zinc chromate.
- Brass terminals.
- Multiple switch configurations.

Part #	Pkg Qty	Toggle Position	Terminal Type	Actuator	Rating
GSW-17*	1/card	ON-OFF	screw	bat lever	3 A/240 V AC, 6 A/120 V AC
GSW-18*	1/card	ON-OFF	6" wire leads	bat lever	8 A/125 V, 4 A/250 V, 1/3 HP/125 V AC, 10 A/125 V AC
GSW-122	1/card	ON-Term. Ground	spade	bat lever	21 A/14 V DC
GSW-124	1/card	ON-OFF	screw	short ball	3 A/240 V AC, 6 A/120 V AC
GSW-125	1/card	ON-OFF	6" wire leads	short ball	3 A/250 V, 6 A/125 V
GSW-125BP	10/box	ON-OFF	6" wire leads	short ball	3 A/250 V, 6 A/125 V

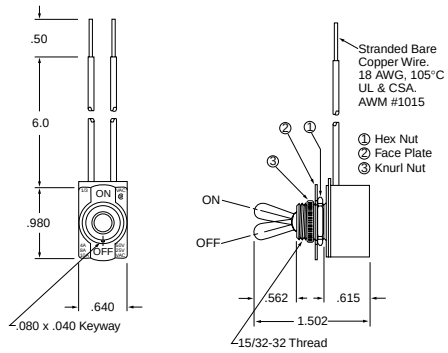
( ) Indicates momentary action *GSW-17 & 18 have an ON-OFF faceplate.

GSW-17



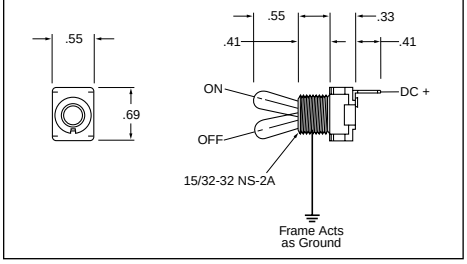
Recommended Mounting Hole: ½" dia.

GSW-18



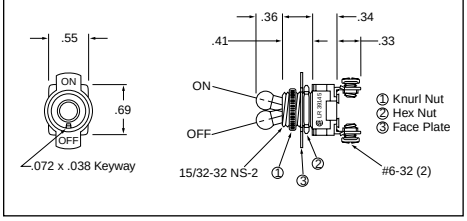
Recommended Mounting Hole: ½" dia.

GSW-122



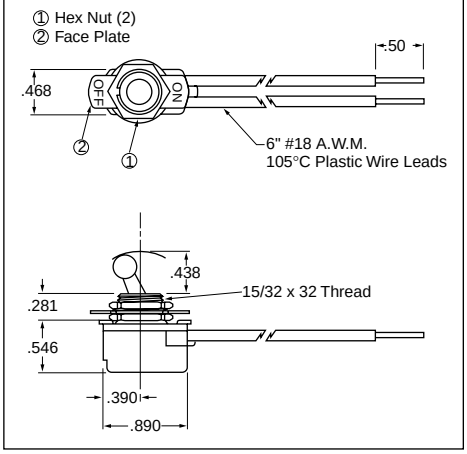
Recommended Mounting Hole: ½" dia.

GSW-124



Recommended Mounting Hole: ½" dia.

GSW-125



Recommended Mounting Hole: ½" dia.

TOGGLE SWITCH COVERS

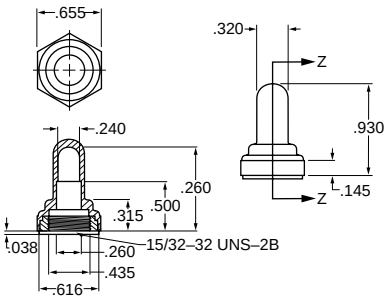
Tough EDPM rubber covers to protect switches from moisture, dust and dirt.

- Built-in hex nut base screws onto all GB toggle switches.

Part #	Pkg Qty	Description
GSW-20	2/card	Toggle Switch Cover

All switches must be installed with a hex nut (provided) behind panel to prevent damage during installation.

Toggle Switch Covers



Recommended Mounting Hole: ½" dia.

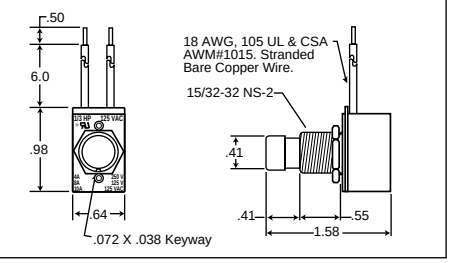
MAINTAINED CONTACT PUSHBUTTON SWITCH

Maintained pushbutton switch rugged and versatile enough to be utilized in many applications.

- Push on, push off switch with #18 AWG, 6" stripped wire leads.
- Mounting nut included.

Part #	Pkg Qty	Poles	Toggle Position	Terminal Type	Rated
GSW-21	1/card	S.P.S.T.	Push ON-Push OFF	Wire Leads	10 A/125 V AC, 8 A/125 V, 4 A/250 V, ⅓ HP 125 V AC

GSW-21



Recommended Mounting Hole: ½" dia.

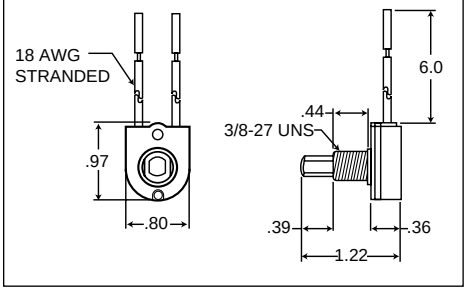
MAINTAINED CONTACT PUSH-BUTTON SWITCHES

Switch family utilized in applications requiring continuous continuity contacts.

- ON-OFF maintained contact switch with #18 AWG, 6" stripped wire leads.
- Mounting nut included.
- **Specifications:** 1 A/125 VT, 6 A/125 VL, 6 A/125 V AC, 3 A/250 V AC

Part #	Pkg Qty	Poles	Toggle Position	Terminal Type	Plating	Circuit
GSW-24	1/card	S.P.S.T.	ON-OFF	6" wire leads	Nickel	2 Pos. 2 Wire
GSW-24BP	10/box	S.P.S.T.	ON-OFF	6" wire leads	Nickel	2 Pos. 2 Wire
GSW-25	1/card	S.P.S.T.	ON-OFF	6" wire leads	Brass	2 Pos. 2 Wire

GSW-24/25



Recommended Mounting Hole: ½" dia.

MOMENTARY CONTACT PUSH-BUTTON SWITCHES

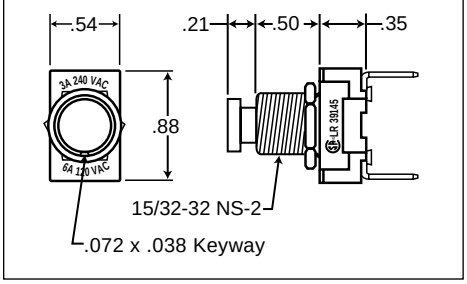
Basic push-button switch family utilized in applications requiring intermittent continuity contacts.

- Normally OFF or normally ON models.
- Screw terminals.
- Mounts in standard ½" diameter hole.
- Mounting nut included.

Part #	Pkg Qty	Poles	Toggle Position	Terminal Type	Color	Rating
GSW-22	1/card	S.P.S.T.	NORMALLY OFF	Screw	Black	6 A/120 V AC, 3 A/240 V AC
GSW-23	1/card	S.P.S.T.	NORMALLY ON	Screw	Red	3 A/120 V AC, 1.5 A/277 V AC

NOTE: GSW-22 is CSA approved only.

Push-button Switch



Recommended Mounting Hole: ½" dia.

SINGLE CIRCUIT PULL CHAIN SWITCHES

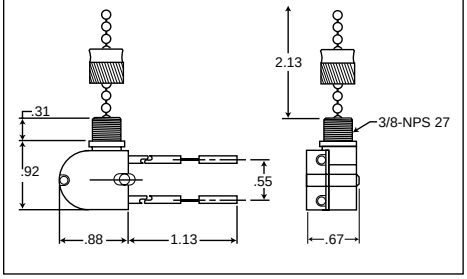
Basic ON-OFF switch family with pull chain feature.

- ON-OFF switch with #18 AWG, 6" stripped wire leads.
- Mounts in 13/32" diameter hole (GSW-35 mounts in ½" diameter hole).
- Color coordinated nickel or brass plated.
- **Specifications:** 3 A/125 VL, 6 A/125V AC, 3 A/250 V AC

Part #	Pkg Qty	Poles	Toggle Position	Terminal Type	Plating	Circuit
GSW-31	1/card	S.P.S.T.	ON-OFF	6" Wire Leads	Nickel	2 Pos. 2 Wire
GSW-31BP	10/box	S.P.S.T.	ON-OFF	Wire Leads	Nickel	2 Pos. 2 Wire
GSW-32	1/card	S.P.S.T.	ON-OFF	Wire Leads	Brass	2 Pos. 2 Wire
GSW-32BP	10/box	S.P.S.T.	ON-OFF	Wire Leads	Brass	2 Pos. 2 Wire
GSW-35*	1/card	S.P.S.T.	ON-OFF	Wire Leads	Nickel	2 Pos. 2 Wire

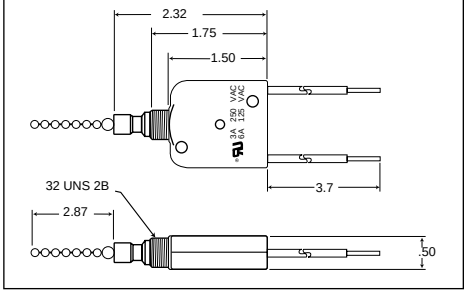
* All angle

GSW-31/32/31BP/32BP



Recommended Mounting Hole: 13/32" dia.

GSW-35



Recommended Mounting Hole: ½" dia.

VARIABLE SPEED & TWO CIRCUIT PULL CHAIN SWITCHES

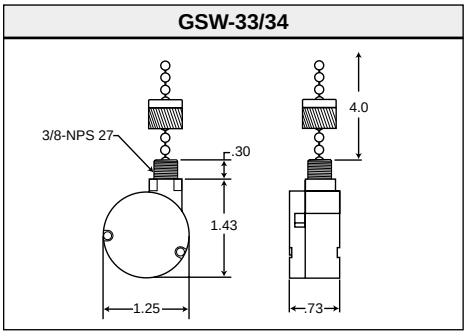
Pull chain switches for multifunction applications.

- Two and three speed switching.
- Push-in connections for #18 AWG wire.
- Mounts in 13/32" diameter hole.
- **Specifications:** 6 A/125 V AC, 3 A/250 V AC, 6 A/125 VL

Part #	Pkg Qty	Poles	Toggle Position	Terminal Type	Plating	Circuit
GSW-33	1/card	S.P.S.T.	OFF-ON-ON	Wire Leads	Brass	3 Pos. 3 Wire
GSW-34	10/box	S.P.S.T.	OFF-ON-ON-ON	Wire Leads	Brass	4 Pos. 4 Wire
GSW-39	1/card	S.P.S.T.	OFF-ON(A)-ON(B)-ON(A+B)	Wire Leads	Brass	4 Pos. 3 Wire

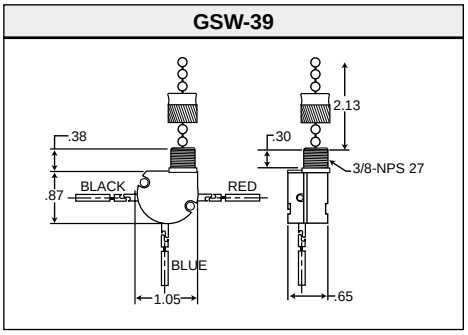
( ) Indicates momentary action

GSW-33/34



Recommended Mounting Hole: .406" dia.

GSW-39



Recommended Mounting Hole: .406" dia.

ROTARY SWITCHES

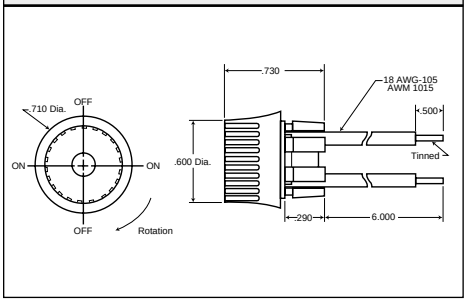
Single or three position switches in various fan and lighting applications.

- #18 AWG, 6" stripped wire leads.
- Brass terminals.

Part #	Pkg Qty	Poles	Toggle Position	Plating / Color	Rating
GSW-61	1/card	S.P.S.T.	ON-OFF	Brass	6 A/125 V AC, 3 A/250 V AC
GSW-62	1/card	S.P.T.T.	OFF-ON(P)-ON(N)-ON(N+P)	Brass	6 A/125 V AC, 3 A/250 V AC
GSW-63W	1/card	S.P.S.T.	ON-OFF	White Button	1.5 A/250 V AC
GSW-63B	1/card	S.P.S.T.	ON-OFF	Black Button	1.5 A/250 V AC
GSW-64	1/card	S.P.T.T.	OFF-ON-ON-ON	Black Dial	4 A/125 V AC, 2 A/250 V AC, 1 A/125 V DC
GSW-68	1/card	S.P.T.T.	OFF-ON(P)-ON(N)-ON(N+P)	Brass	6 A/125 V AC, 3 A/250 V AC
GSW-69	1/card	S.P.S.T.	ON-OFF	Black Plastic	6 A/125 V AC, 3 A/250 V AC
GSW-69BP	10/box	S.P.S.T.	ON-OFF	Black Plastic	6 A/125 V AC, 3 A/250 V AC

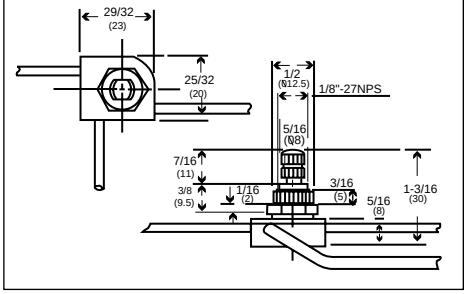
( ) Indicates momentary action

GSW-63W/63B



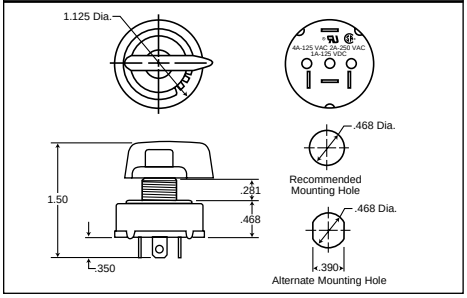
Recommended Mounting Hole: .513" dia.

GSW-68



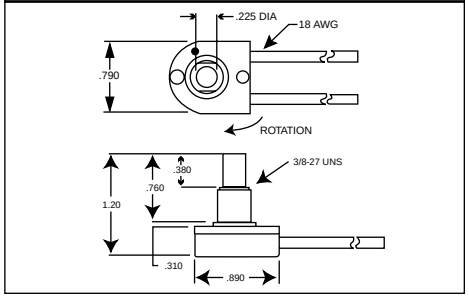
Recommended Mounting Hole: .513" dia.

GSW-64



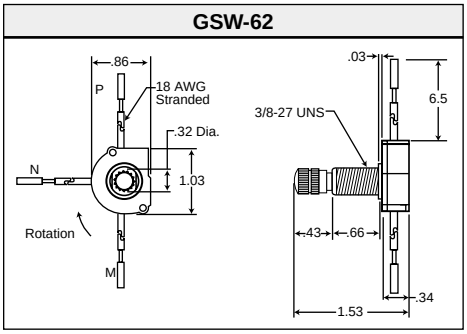
Recommended Mounting Hole: .513" dia.

GSW-69/69BP



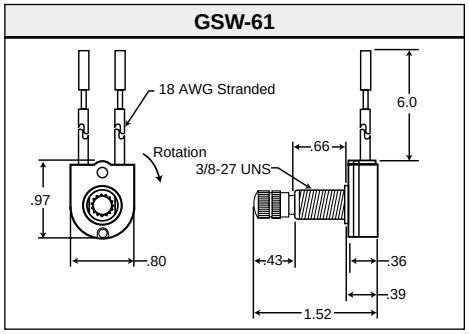
Recommended Mounting Hole: .513" dia.

GSW-62



Recommended Mounting Hole: .406" dia.

GSW-61



Recommended Mounting Hole: .406" dia.

STANDARD ROCKER SWITCHES

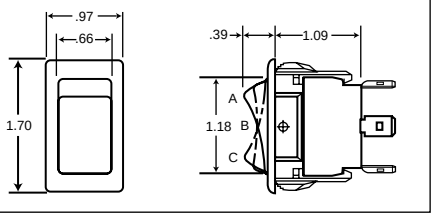
Heavy-duty rocker switches that fit .830" X 1.45" panel cut-outs.

- Frame and rocker are black glass-filled nylon.
- Lighted or unlighted versions available.
- **Specifications:** 10 A/277 V AC, 20 A/125 V AC
- Switches with solder terminals come in a phenolic case and do not have a moisture and dust resistant seal.

Part #	Pkg Qty	Poles	Toggle Position	Terminal Type	Rated
GSW-45	1/card	S.P.S.T.	ON-OFF	Spade	¾ HP 125 - 250 V AC
GSW-49*	1/card	S.P.S.T.	ON-OFF	Spade	¾ HP 125 - 250 V AC

*Red lighted

Rocker Switch



Recommended Mounting Hole: .830" (±.015) x 1.450" (±.005)

GSW-41

GSW-42

APPLIANCE ROCKER SWITCHES

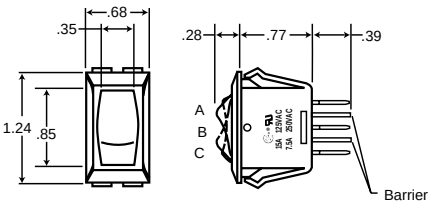
Economy rocker switches that fit standard .550" X 1.125" panel cut-outs.

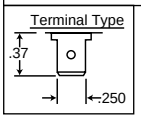
- Perfect for machinery or appliances.
- Custom versions available.
- Lighted or unlighted versions available.
- **Specifications:** 16 A/125 V AC, 8 A/250 V AC

Part #	Pkg Qty	Poles	Toggle Position	Terminal Type
GSW-41	1/card	S.P.S.T.	ON-OFF	Spade
GSW-42*	1/card	S.P.S.T.	ON-OFF	Spade

*Red lighted

Single Pole Toggle





Recommended Mounting Hole: Fits .550" ($^{+.005}_{-.000}$) x 1.125" ($^{+.005}_{-.000}$) panel cutout

MINI ROCKER SWITCH

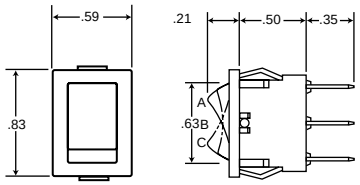
Miniature rocker switch that fits .520" X .776" panel cutouts.

- Perfect for small machinery or appliances.
- Custom versions available.
- Lighted or unlighted versions available.
- **Specifications:** 13 A/125 V AC, 10 A/250 V AC, ½ HP 125 - 250 V AC

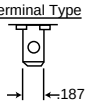
Part #	Pkg Qty	Poles	Toggle Position	Terminal Type	Rated
GSW-48*	1/card	S.P.S.T.	ON-OFF	Spade	10 A/125 - 250 V AC, ½ HP 250 V AC, ⅓ HP 125 V AC

*Red lighted

Single Pole Mini Rocker



Terminal Type



Recommended Mounting Hole:
Fits .520" ($^{+.005}_{-.000}$) x .776" ($^{+.005}_{-.000}$) panel cutout

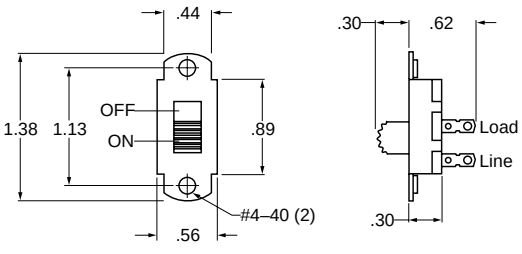
SLIDE SWITCH

Standard slide switch that fits 9/16" x 7/8" opening.

- Furnished with solder lug terminals.

Part #	Pkg Qty	Poles	Toggle Position	Terminal Type	Rated
GSW-51	1/card	S.P.S.T.	ON-OFF	Solder	10 A/125 V AC, 5 A/250 V AC

Slide Switch



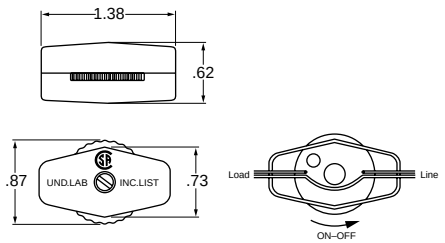
LAMP CORD SWITCHES

Versatile black or ivory lamp cord switch family.

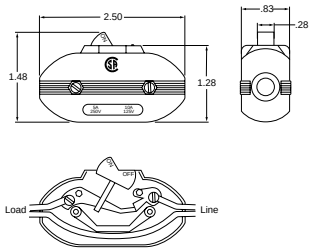
- Insulation piercing contacts eliminate wire stripping.

Part #	Pkg Qty	Poles	Toggle Position	Color	Rated
GSW-71	1/card	S.P.S.T.	ON-OFF	Brown	6 A/125 V AC, 3 A/250 V AC, 3 A/125 VT
GSW-73B	1/card	S.P.S.T.	ON-OFF	Brown	10 A/125 V, 5 A/250 V

GSW-71



GSW-73B



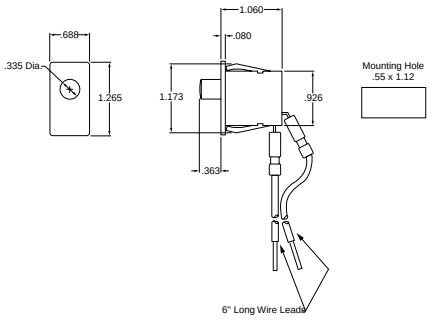
DOOR SWITCH

Push button switch with metal box, cover plate and mounting hardware to operate lights when door is opened.

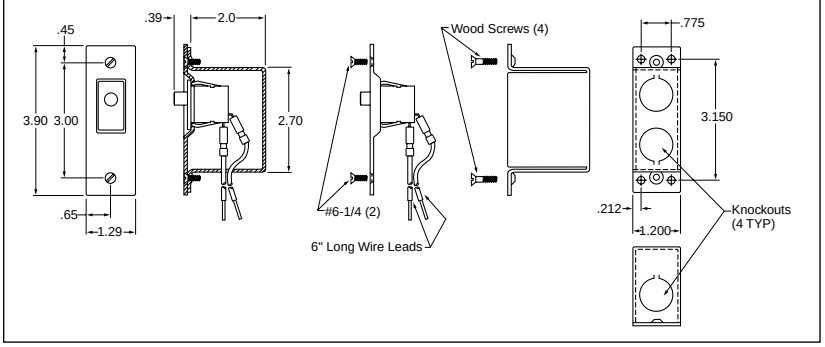
- Mounts in door jam.
- Fits in 1.25" X 2.75" X 2.0" deep, approximate mounting hole.
- **Specifications:** 10 A/125 V AC, 10 A/250 V AC, 10 A/277 V AC, ½ HP 125 - 277 V AC.

Part #	Pkg Qty	Poles	Toggle Position	Terminal Type	Description
GSW-SK	1/card	S.P.S.T.	Normally ON-Mom Contact	6" Wire Leads	AC/DC Door Switch
GSW-26	1/card	S.P.S.T.	Normally ON-Mom Contact	6" Wire Leads	Replacement for GSW-SK

GSW-26



GSW-SK



CYCLONE® BENDER

One shoe bends ½" to 2" steel (schedule 40 max), ½" to 2" stainless steel (304, 316 grades) and aluminum Rigid, IMC and EMT conduit. Also bends ½" to 1¼" PVC-coated conduit on EMT shoe in next larger shoe groove.

- One shoe fits all conduit sizes up to 2" with no loose parts.
- Quick threading four wheel kit increases mobility.
- On/Off switch allows user to shut machine down for extended periods of time.
- Low-volt (95), high-volt (132) automatic shut off helps protect electrical components from voltage fluctuations.
- Resetting circuit breaker eliminates down time changing fuses.
- Hook attachment on pendant control frees hands while working with conduit.
- Horizontal and vertical positions allow the unit to create accurate offset bends.
- Minimal training time.
- Dimensions: 47" x 33" x 43".

Part #	Description	Weight
B2000*	Cyclone® Electric-powered Production Bender, 115 V / 15 A	375 lbs
B2005	Replacement Cover	2.5 lbs

*Includes weather resistant cover.

CENTERLINE RADIUS CHART:

Nominal Size	IMC	PVC Coated Rigid	EMT	Rigid	Stainless Steel
½"	4 3/8"	5 3/8"	4 1/4"	4 3/8"	4 3/8"
¾"	5 5/16"	6 1/2"	5 3/8"	5 5/16"	5 5/16"
1"	6 7/32"	7 27/32"	6 1/2"	6 7/32"	6 7/32"
1¼"	7 23/32"	8 3/8"	7 27/32"	7 23/32"	7 23/32"
1½"	8 7/32"	N/A	8 3/8"	8 15/64"	8 15/64"
2"	9 15/32"	N/A	9 21/32"	9 29/64"	9 29/64"

Can be performed in the horizontal or vertical position.

Easy dial settings makes training time virtually non-existent.

ELECTRIC SIDEWINDER® BENDER

B222 series bends ½" to 2" (schedule 40 max.) and aluminum Rigid, IMC and EMT conduit.

- Up to 180° one-shot bends in ½" through 2" conduit.
- Handle detaches and pivots out the way for offset bending.
- Competitor shoes are interchangeable.

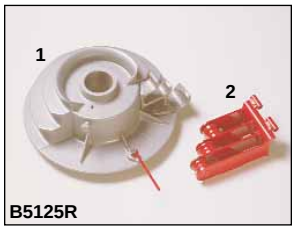
Part #	Description	Weight
B222DA	Electric Sidewinder® w/o Shoes	269 lbs
B222EA	EMT Electric Sidewinder® w/ B5125E & B152E Shoe Sets	350 lbs
B222IA	IMC/Rigid Elec. Sidewinder® w/ B5125R, B150R & B200R Shoe Sets	385 lbs
B222RA	Rigid Elec. Sidewinder® w/ B5125R & B152R Shoe Sets	282 lbs

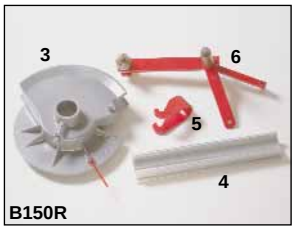
CENTERLINE RADIUS CHART:

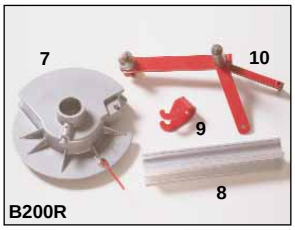
Nominal Size	IMC	PVC Coated Rigid	EMT	Rigid
½"	4"	7⅛"	6⅛"	4½"
¾"	4⅝"	8½"	7¼"	4⅝"
1"	5⅞"	9⅞"	8⅝"	5⅞"
1¼"	7⅜"	7⅞"	10¼"	7⅜"
1½"	8⅜"	9¼"	8½"	8⅜"
2"	9½"	9¼"	9½"	9⅝"

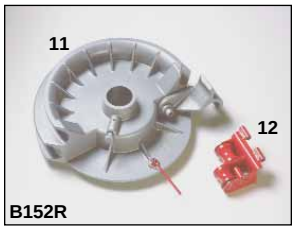
OPTIONAL ELECTRIC SIDEWINDER® SHOES

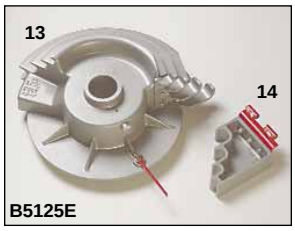
Optional Sidewinder® shoes for EMT, IMC, Rigid and PVC-coated conduit can be easily attached to B222 series bender without special tools.

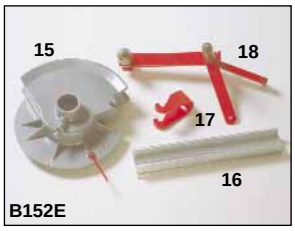


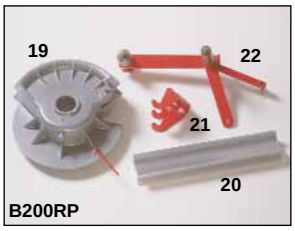




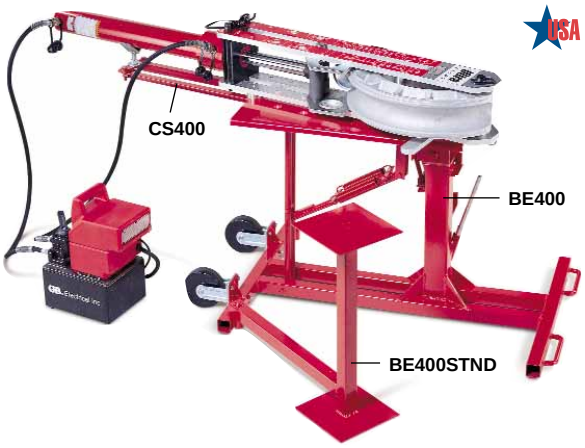




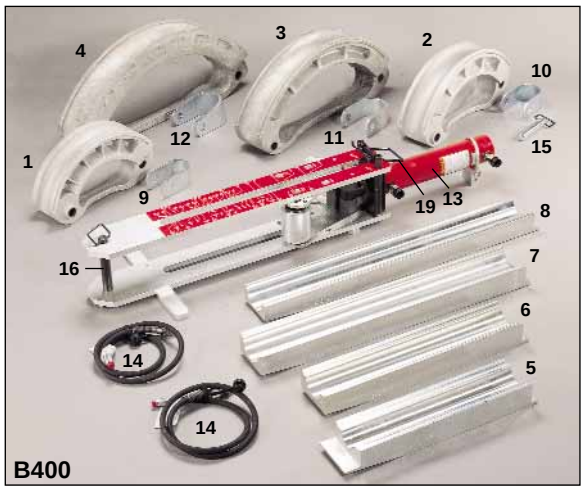




			Components			
Part #	**Conduit Size**	**Centerline Radius**	**Part #**	**Description**	**Weight**	**I.D. #**
B5125R	½" - ¾" - 1" - 1¼" Rigid & IMC	4½", 4⅝", 5⅞", 7⅜"	B17012	½" - 1¼" Rigid & IMC Shoe	31 lbs	**1**
			B17025	Roller Support		**2**
B150R	1½" Rigid & IMC	8⅜"	B170238	1½" IMC & Rigid Shoe	41 lbs	**3**
			B17133	Follow Bar		**4**
			B17284	Clevis		**5**
			B170225	Eccentric Clamp		**6**
B200R	2" Rigid & IMC	9½"	B170230	2" IMC & Rigid Shoe	51 lbs	**7**
			B17293	Follow Bar		**8**
			B170236	Clevis		**9**
			B170225	Eccentric Clamp		**10**
B152R	1½" - 2" Rigid only	8⅜", 9⅝"	B17013	1½" - 2" Shoe	41 lbs	**11**
			B17026	Roller Support		**12**
B5125E	½" - ¾" - 1" - 1¼" EMT	6⅛", 7¼", 8⅝", 10¼"	B170120	½" - 1¼" Shoe	25 lbs	**13**
			B170121	Conduit Support		**14**
B152E	1½" - 2" EMT	8½", 9½"	B170104	1½" & 2" EMT Shoe	53 lbs	**15**
			B17435	Follow Bar		**16**
			B170225	Eccentric Clamp		**17**
			B170228	Clevis		**18**
B200RP	2" PVC-coated	9½"	B170242	2" PVC-coated Shoe	51 lbs	**19**
			B17135	Follow Bar		**20**
			B170236	Clevis		**21**
			B170225	Eccentric Clamp		**22**



B400L with BE400 Table, CS400 Cylinder Support, BE400STND Conduit Support Stand, & PE34J Pump



EEGOR™ BENDER

B400L and B400 models bend 2½" to 4" Rigid aluminum (schedule 40 max) EMT, IMC and Rigid steel conduit. No additional attachment sets required to change conduit type.

- Hydraulic power ensures the smoothest bends without deformations to the conduit.
- Constant radii follow bars eliminate the need for special calculations.
- Conduit is automatically stripped free from the shoe during the return cycle-which ensures no extra labor or damaged conduit.
- Angle markings on frame ensure easy and accurate bending.

Part #	Description	Weight
B400	Deluxe Eegor™	690 lbs
B400PE34J	Deluxe Eegor™ w/ PE34J Electric Pump	770 lbs
B400PE34R	Deluxe Eegor™ w/ PE34R Electric Pump	790 lbs
B400D	Standard Eegor™	595 lbs
B400DPE34J	Standard Eegor™ w/ PE34J Electric Pump	685 lbs
B400DPE34R	Standard Eegor™ w/ PE34R Electric Pump	705 lbs
B400L	Long-stroke Ultra Eegor™	770 lbs
B400LPE34R	Long-stroke Ultra Eegor™ w/ PE34R Electric Pump	870 lbs
B400DL	Long-stroke Ultra Eegor™ w/o 3½" shoe group	770 lbs
B400DLPE34R	Long-stroke Ultra Eegor™ w/ PE34R Pump w/o 3½" shoe group	795 lbs
CD3028KT*	Eegor™ Conversion Kit, 28" Stroke Cylinder	105 lbs
CS400	Cylinder Support for BE400 Table	30 lbs
DC400	Bend Angle Decal	1 lb

CENTERLINE RADIUS CHART:

Nominal Size	IMC	PVC Coated Rigid	EMT	Rigid
2½"	13½"	N/A	13½"	13½"
3"	15⅞"	N/A	15⅞"	15⅞"
3½"	18½"	N/A	18½"	18½"
4"	21"	N/A	21"	21"

*To convert existing B400 or B400D to Long-stroke Cylinder use CD3028KT Kit which includes Long-stroke Cylinder, CS400 Cylinder Support, and DC400 Decal.

When ordering the optional BE400 Table for use with the Ultra Eegor™ you must order the CS400 Cylinder Support.

COMPONENTS INCLUDED WITH THE STANDARD EEGOR™ BENDER B400 & B400D

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ25	2½"	Bending Shoe	44 lbs	1	BZ39*	3½"	U-strap	8 lbs	11
BZ30	3"	Bending Shoe	50 lbs	2	BZ44	4"	U-strap	10 lbs	12
BZ35*	3½"	Bending Shoe	75 lbs	3	CD3014	-	30 Ton, Double Acting Hydraulic Cyl.	63 lbs	13
BZ40	4"	Bending Shoe	90 lbs	4	HC913	-	(2) 6' Hose w/ High Flow Coupler	3 lbs	14
BZ26	2½"	Follow Bar	34 lbs	5	BZ76	-	U-Strap Pin	3 lbs	15
BZ32	3"	Follow Bar	35 lbs	6	BZ78	-	Bend Shoe Pin	4 lbs	16
BZ37	3½"	Follow Bar	42 lbs	7	BZ74	-	Double Anchor Frame Pin	6 lbs	19
BZ42	4"	Follow Bar	40 lbs	8	BZ70	-	Bender Frame	66 lbs	-
BZ28	2½"	U-strap	5 lbs	9	BZ72	-	Roller Asmbly (Includes: BZ725 & BZ726)	35 lbs	-
BZ34	3"	U-strap	5 lbs	10	CM16	-	Metal Case for Standard Eegor™	133 lbs	-

*These parts are not included with B400D, B400DPE34J, and B400DPE34R.

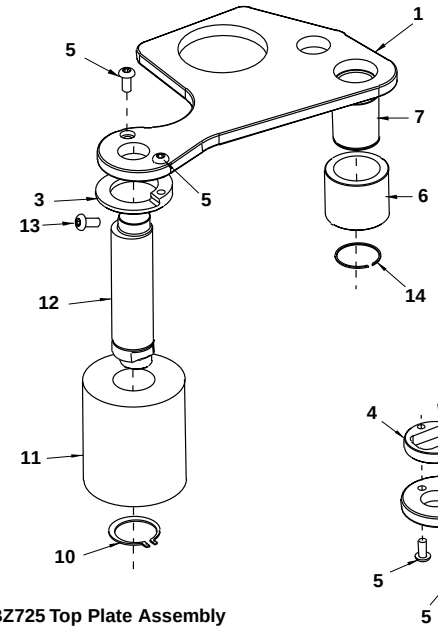
COMPONENTS INCLUDED WITH THE LONG-STROKE ULTRA EEGOR™ BENDER B400L & B400DL

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ25	2½"	Bending Shoe	44 lbs	1	BZ28	2½"	U-strap	5 lbs	9
BZ30	3"	Bending Shoe	50 lbs	2	BZ34	3"	U-strap	5 lbs	10
BZ35*	3½"	Bending Shoe	75 lbs	3	BZ39*	3½"	U-strap	8 lbs	11
BZ40	4"	Bending Shoe	90 lbs	4	BZ44	4"	U-strap	10 lbs	12
BZ26	2½"	Follow Bar	34 lbs	5	CD3028	-	30 Ton, Double Acting Hydraulic Cyl.	95 lbs	17
BZ32	3"	Follow Bar	35 lbs	6	HC927	-	(2) 10' Hose w/ High Flow Coupler	4 lbs	18
BZ37*	3½"	Follow Bar	42 lbs	7	CM20	-	Metal Case for Ultra Eegor™	182 lbs	-
BZ42	4"	Follow Bar	40 lbs	8					

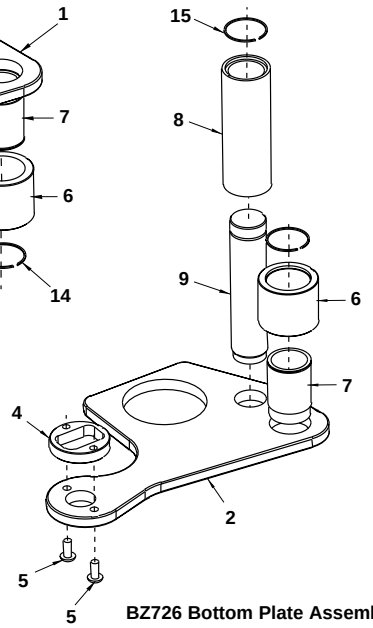
*These parts are not included with B400DL and B400DLPE34R.

REPLACEMENT COMPONENTS FOR EEGOR™ ROLLER ASSEMBLY BZ72:

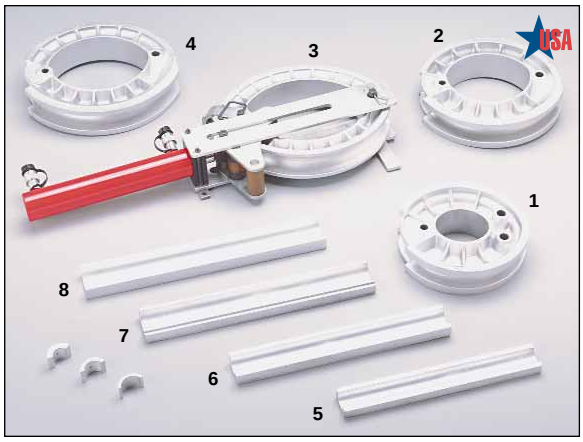
Part #	# Req'd	Description	I.D. #
CK211950	1	Plate assembly (top)	1
CK212950	1	Plate assembly (bottom)	2
CF859489	1	Retaining collar	3
CF860013	1	Pilot keyway	4
CH204028	4	Button head cap screw	5
CF862281	2	Roller (short)	6
CF861108	2	Roller insert (short)	7
CK579281	1	Roller	8
CF863104	1	Roller axle	9
CM191044	1	Retaining ring	10
CM194900	1	Roller assembly	11
CM193350	1	Roller cam	12
CB806028	1	Roller cam cap screw	13
CH819044	AR	Wire, retaining	14
CH951044	1	Ring, retaining	15



BZ725 Top Plate Assembly



BZ726 Bottom Plate Assembly



SEE PAGE 45
for info on Electric Pumps

SEE PAGE 47
for info on Manual Pumps

1" Thinwall and 1", 1¼", or 1½" IMC and Rigid do not require a follow bar.

MINI-EEGOR™ BENDER

B200 model bends 1" to 2" EMT, IMC, Rigid aluminum and Rigid steel conduit. No additional attachment sets required to change conduit type.

- Smooth, round bends eliminate wasted conduit and time.
- Constant radii follow bars eliminate the need for special calculations.
- Produces the shortest stub-ups; the closest offsets.
- Exclusive two-sided shoe for steel/aluminum Rigid/IMC or EMT.
- Choice of fast-bending electric or economical hand pumps.

Part #	Description	Weight
B200*	Mini-Eegor™	220 lbs
B200PH84	Mini-Eegor™ w/ PH84 Hand Pump	263 lbs
B200PE24J	Mini-Eegor™ w/ PE24J Electric Pump	294 lbs
B200PE34R	Mini-Eegor™ w/ PE34R Electric Pump	310 lbs
B200D*	Mini-Eegor™ w/o 1" shoe group	205 lbs
B200DPH84	Mini-Eegor™ w/ PH84 Hand Pump w/o 1" shoe group	263 lbs

* May be used with any Gardner Bender 4-way valve pump.

COMPONENTS INCLUDED WITH THE MINI-EEGOR™ BENDER:

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ259**	1"	Bending Shoe	15 lbs	**1**	BZ254	1¼"	U-strap w/ Inserts	2 lbs	-
BZ260	1¼"	Bending Shoe	19 lbs	**2**	BZ255	1½"	U-strap w/ Inserts	2 lbs	-
BZ261	1½"	Bending Shoe	21 lbs	**3**	BZ256	2"	U-strap w/ Inserts	2 lbs	-
BZ262	2"	Bending Shoe	20 lbs	**4**	CD1012	-	10-ton Double Action Cylinder	15 lbs	-
BZ1343	1¼"	Follow Bar for EMT Only	5 lbs	**5**	HC913	-	(2) 6' Hose w/ High Flow Couplings	.1 lb	-
BZ1344	1½"	Follow Bar for EMT Only	6 lbs	**6**	BZ257	-	U-strap Pin	2 lbs	-
BZ1345	2"	Follow Bar for EMT Only	7 lbs	**7**	BZ252	-	Bender Frame	9 lbs	-
BZ258	2"	Follow Bar for IMC & Rigid	9 lbs	**8**	BZ241	-	Load Arms, Cyl. Block & Roller Asmbly	62 lbs	-
BZ253**	1"	U-strap w/ Inserts	2 lbs	-	CM7	-	Metal Case	98 lbs	-

**These parts are not included with the B200D and B200DPH84.

Using BE400 table with any Eegor™ Hydraulic Bender will help reduce labor costs.

BEND-MATE™ BENDER TABLE

Rugged table for Eegor™ hydraulic conduit benders allows one to work more comfortably and accurately.

- Hydraulic pivot jack adjusts table to horizontal or vertical positions for easy access.
- Rugged one-piece steel frame with ¼" steel plate tabletop.
- Wheels and lift-handles included for easy movement.
- Two ton jack force.

Part #	Description	Weight
BE400	Bend-Mate™ Table - 30"W* x 32"L x 56"H w/ 6" wheels	210 lbs
CS400	Cylinder Support for BE400 Table	30 lbs
BE400STND	Conduit Support Stand (included w/ BE400, but can purchase separately)	35 lbs

*57" with table raised.

RIGID BENDER CAPACITIES CHART

One Shot / Sweep / Segmental

This chart is meant as a guide for bending capabilities only. For those instances where doubt exists, a trial bend is recommended.

***Schedule Pipe:**

40 = Standard

80 = Extra Duty

160 = Double Extra Duty

DEH = Double Extra Heavy (slightly thicker than 160)

Other:

NR = Not Recommended

WS = Can be bent using wider spacing for swivel shoes

Pipe Size	Outside Dia.	Wall Thick.	Sched. Pipe*	B316S	B308S	B306S B340S B343S	B351S B359S
½"	.840"	.108"	40	Yes	Yes	WS	WS
		.147"	80	Yes	Yes	WS	WS
		.187"	160	WS	WS	WS	WS
		.294"	DEH	WS	WS	WS	WS
¾"	1.050"	.113"	40	Yes	Yes	WS	WS
		.154"	80	Yes	Yes	WS	WS
		.218"	160	WS	WS	WS	WS
		.308"	DEH	WS	WS	WS	WS
1"	1.315"	.133"	40	Yes	Yes	WS	WS
		.179"	80	Yes	Yes	WS	WS
		.250"	160	WS	WS	WS	WS
		.358"	DEH	NR	WS	WS	WS
1¼"	1.660"	.140"	40	Yes	Yes	Yes	Yes
		.191"	80	Yes	Yes	Yes	Yes
		.250"	160	WS	WS	Yes	Yes
		.342"	DEH	NR	WS	WS	WS
1½"	1.900"	.145"	40	Yes	Yes	Yes	Yes
		.200"	80	Yes	Yes	Yes	Yes
		.281"	160	WS	WS	Yes	Yes
		.400"	DEH	NR	WS	WS	WS
2"	2.375"	.154"	40	Yes	Yes	Yes	Yes
		.218"	80	NR	Yes	Yes	Yes
		.343"	160	NR	WS	Yes	Yes
2½"	2.875"	.203"	40	NR	Yes	Yes	Yes
		.276"	80	NR	WS	Yes	Yes
		.375"	160	NR	WS	Yes	Yes
3"	3.500"	.216"	40	NR	Yes	Yes	Yes
		.300"	80	NR	WS	Yes	Yes
3½"	4.000"	.226"	40	NR	Yes	Yes	Yes
		.318"	80	NR	WS	Yes	Yes
4"	4.500"	.237"	40	NR	Yes	Yes	Yes
		.337"	80	NR	NR	Yes	Yes
5"	5.563"	.258"	40	NR	NR	NR	Yes
		.375"	80	NR	NR	NR	Yes

B316S

SEE PAGE 45
for info on Electric Pumps

SEE PAGE 47
for info on Manual Pumps

SEE PAGE 50
for info on Cylinders

½" - 2" ONE-SHOT RIGID BENDERS

Gardner Bender's Rigid Benders are designed with high-grade aluminum for durability and interchangeable shoes that allow quick and precise bends.

- B316S bends ½" to 2" Rigid steel or Rigid aluminum conduit.
- Portable hand pump or economical electric pump options.
- Durable metal job box included.
- Optic angle gauge for quick references of bend progression.

Part #	Description	Weight
B316S	½" - 2" One-shot Rigid Bender	104 lbs
B316SPH39	½" - 2" One-shot Rigid Bender w/ PH39 Hand Pump	114 lbs
B316SPE22J	½" - 2" One-shot Rigid Bender w/ PE22J Electric Pump	160 lbs

CENTERLINE RADIUS CHART:

Nominal Size	Rigid Radius	Bending Shoe	Nominal Size	Rigid Radius	Bending Shoe
½"	3 5/16"	BZ12011	1¼"	7¼"	BZ12041
¾"	4½"	BZ12021	1½"	8¼"	BZ12051
1"	5 13/16"	BZ12031	2"	9½"	BZ12061

COMPONENTS INCLUDED WITH B316S MODELS:

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ12011	½"	Bending Shoe	1 lb	**1**	BZ12071	-	(2) Pivot Shoes	1 lb	**8**
BZ12021	¾"	Bending Shoe	1 lb	**2**	BZ12091	-	Angle Gauge	.5 lb	**9**
BZ12031	1"	Bending Shoe	2 lbs	**3**	BZ12375	-	(2) Pivot Pins	1 lb	**10**
BZ12041	1¼"	Bending Shoe	4 lbs	**4**	BZ12371	-	Bender Frame	25 lbs	**11**
BZ12051	1½"	Bending Shoe	5 lbs	**5**	BZ12377	-	Shoe Lock Pin	.25 lb	**12**
BZ12061	2"	Bending Shoe	7 lbs	**6**	HC913	-	6' Hose	3 lbs	**13**
CS1010	-	10 ton Single Acting w/ A12 Smooth Saddle	13 lbs	**7**	CM4	-	Metal Case	56 lbs	**14**

B308S

SEE PAGE 45
for info on Electric Pumps

SEE PAGE 47
for info on Manual Pumps

SEE PAGE 50
for info on Cylinders

1" - 2" COMBINATION ONE-SHOT / SWEEP RIGID BENDERS

B308S models bend 1" to 2" Rigid steel or aluminum conduit in one-shot. Includes 2½" to 4" sweep bend shoes.

- Capability of one-shoe bending for elbows.
- Ability to produce sweep bends where several bending stages are necessary.
- Durable metal job box included.

Part #	Description	Weight
B308S	1" - 2" One-shot / 2½" - 4" Sweep Combination	225 lbs
B308SPH80	1" - 2" One-shot / 2½" - 4" Sweep Combo w/ PH80 Hand Pump	253 lbs
B308SPE22J	1" - 2" One-shot / 2½" - 4" Sweep Combo w/ PE22J Elec. Pump	340 lbs

CENTERLINE RADIUS CHART:

Nominal Size	Rigid Radius	Bending Shoe	Nominal Size	Rigid Radius	Bending Shoe
1"	5 13/16"	BZ12031	2½"	10½"	BZ12341
1¼"	7¼"	BZ12041	3"	13"	BZ12351
1½"	8¼"	BZ12051	3½"	17½"	BZ12391
2"	9½"	BZ12061	4"	20"	BZ12392

COMPONENTS INCLUDED WITH B308S MODELS:

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ12031	1"	Bending Shoe	2 lbs	**1**	CS1010	-	25 ton Single Acting w/ A29 Smooth Saddle	13 lbs	**9**
BZ12041	1¼"	Bending Shoe	4 lbs	**2**	BZ13401	-	(2) Pivot Shoes	4 lbs	**10**
BZ12051	1½"	Bending Shoe	5 lbs	**3**	BZ12091	-	Angle Gauge	.5 lb	**11**
BZ12061	2"	Bending Shoe	7 lbs	**4**	BZ12376	-	(2) Pivot Pins	4 lbs	**12**
BZ12382	2½"	Sweep Bending Shoe	4 lbs	**5**	BZ12372	-	Bender Frame	54 lbs	**13**
BZ12383	3"	Sweep Bending Shoe	5 lbs	**6**	BZ12377	-	Shoe Lock Pin	.25 lb	**14**
BZ12384	3½"	Sweep Bending Shoe	9 lbs	**7**	HC913	-	6' Hose	3 lbs	**15**
BZ12385	4"	Sweep Bending Shoe	12 lbs	**8**	CM7	-	Metal Case	98 lbs	**16**

B340S

SEE PAGE 45
for info on Electric Pumps

SEE PAGE 47
for info on Manual Pumps

SEE PAGE 50
for info on Cylinders

1¼" - 4" ONE-SHOT RIGID BENDERS

B340S models bend 1¼" to 4" Rigid steel or Rigid aluminum conduit.

- Choice of hand or electric pumps.
- Durable metal job box included.

Part #	Description	Weight
B340S	1¼" - 4" One-shot Rigid Bender	334 lbs
B340SPH80	1¼" - 4" One-shot Rigid Bender w/ PH80 Hand Pump	350 lbs
B340SPE22J	1¼" - 4" One-shot Rigid Bender w/ PE22J Electric Pump	390 lbs
B340SPE32J	1¼" - 4" One-shot Rigid Bender w/ PE32J Electric Pump	325 lbs

CENTERLINE RADIUS CHART:

Nominal Size	Rigid Radius	Bending Shoe	Nominal Size	Rigid Radius	Bending Shoe
1¼"	7¼"	BZ12041	3"	13"	BZ12351
1½"	8¼"	BZ12051	3½"	17½"	BZ12391
2"	9½"	BZ12061	4"	20"	BZ12392
2½"	10½"	BZ12341			

COMPONENTS INCLUDED WITH B340S MODELS:

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ12041	1¼"	Bending Shoe	4 lbs	**1**	BZ13401	-	(2) Pivot Shoes	4 lbs	**9**
BZ12051	1½"	Bending Shoe	5 lbs	**2**	BZ12091	-	Angle Gauge	.5 lb	**10**
BZ12061	2"	Bending Shoe	7 lbs	**3**	BZ12376	-	(2) Pivot Pins	4 lbs	**11**
BZ12341	2½"	Bending Shoe	15 lbs	**4**	BZ12374	-	Bender Frame	63 lbs	**12**
BZ12351	3"	Bending Shoe	15 lbs	**5**	BZ12377	-	Shoe Lock Pin	.25 lb	**13**
BZ12391	3½"	Bending Shoe	40 lbs	**6**	HC913	-	6' Hose	8 lbs	**14**
BZ12392	4"	Bending Shoe	41 lbs	**7**	CM7	-	Metal Case	98 lbs	**15**
CS2514	-	25 ton Single Acting A29 Smooth Saddle	31 lbs	**8**	B350	-	5" Conversion Kit (optional)	63 lbs	**-**

SEE PAGE 45
for info on Electric Pumps

SEE PAGE 47
for info on Manual Pumps

SEE PAGE 50
for info on Cylinders

1¼" - 4" COMBINATION ONE-SHOT / SWEEP RIGID BENDERS

B359S models bend 1¼" to 4" Rigid steel or Rigid aluminum conduit in one-shot. Also includes 5" segmental shoe for Rigid steel or Rigid aluminum.

- Choice of hand or electric pumps.
- Durable metal job box included.
- Optic angle gauge for quick angle reference during bending.

Part #	Description	Weight
B359S	1¼" - 4" One-shot / 5" Sweep Combination	225 lbs
B359SPH80	1¼" - 4" One-shot / 5" Sweep Combo w/ PH80 Hand Pump	253 lbs
B359SPE32J	1¼" - 4" One-shot / 5" Sweep Combo w/ PE32J Elec. Pump	340 lbs

CENTERLINE RADIUS CHART:

Nominal Size	Rigid Radius	Bending Shoe	Nominal Size	Rigid Radius	Bending Shoe
1¼"	7¼"	BZ12041	3"	13"	BZ12351
1½"	8¼"	BZ12051	3½"	17½"	BZ12391
2"	9½"	BZ12061	4"	20"	BZ12392
2½"	10½"	BZ12341			

COMPONENTS INCLUDED WITH B359S MODELS:

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ12041	1¼"	Bending Shoe	4 lbs	**1**	CS2514	-	25 ton Single Acting A29 Smooth Saddle	31 lbs	**9**
BZ12051	1½"	Bending Shoe	5 lbs	**2**	BZ12388	-	(2) Pivot Shoes	4 lbs	**10**
BZ12061	2"	Bending Shoe	7 lbs	**3**	BZ12091	-	Angle Gauge	.25 lb	**11**
BZ12341	2½"	Bending Shoe	14 lbs	**4**	BZ12390	-	(2) Pivot Pins	4 lbs	**12**
BZ12351	3"	Bending Shoe	15 lbs	**5**	BZ12389	-	Bender Frame	85 lbs	**13**
BZ12391	3½"	Bending Shoe	40 lbs	**6**	BZ12377	-	Shoe Lock Pin	.25 lb	**14**
BZ12392	4"	Bending Shoe	41 lbs	**7**	HC913	-	6' Hose	3 lbs	**15**
BZ12386	5"	Sweep Bending Shoe	18 lbs	**8**	CM7	-	Metal Case	98 lbs	**16**

B306S

SEE PAGE 45
for info on Electric Pumps

SEE PAGE 47
for info on Manual Pumps

SEE PAGE 50
for info on Cylinders

For a quick reference guide, order GB part # E507 at no charge.

SWEEP/SEGMENTAL RIGID BENDERS

B306S models bend 1¼" to 4" Rigid steel or Rigid aluminum conduit sweep/segmental.

- Choice of hand or electric pumps.
- Durable metal job box included.

Part #	Description	Weight
B306S	1¼" - 4" Sweep	216 lbs
B306SPH80	1¼" - 4" Sweep w/ PH80 Hand Pump	243 lbs
B306SPE22J	1¼" - 4" Sweep w/ PE22J Electric Pump	230 lbs

CENTERLINE RADIUS CHART:

Nominal Size	Smallest Radius	Bending Shoe	Nominal Size	Smallest Radius	Bending Shoe
1¼"	7¼"	BZ12397	3"	13"	BZ12383
1½"	8½"	BZ12380	3½"	17½"	BZ12384
2"	9½"	BZ12381	4"	20"	BZ12385
2½"	10½"	BZ12382			

COMPONENTS INCLUDED WITH B306S MODELS:

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ12379	1¼"	Sweep Bending Shoe	2 lbs	**1**	CS2510	-	25 ton Action A29 Smooth Saddle	31 lbs	**8**
BZ12380	1½"	Sweep Bending Shoe	2 lbs	**2**	BZ13401	-	(2) Pivot Shoes	4 lbs	**9**
BZ12381	2"	Sweep Bending Shoe	3 lbs	**3**	BZ12376	-	(2) Pivot Pins	4 lbs	**10**
BZ12382	2½"	Sweep Bending Shoe	4 lbs	**4**	BZ12372	-	Bender Frame	54 lbs	**11**
BZ12383	3"	Sweep Bending Shoe	5 lbs	**5**	BZ12377	-	Shoe Lock Pin	.25 lb	**12**
BZ12384	3½"	Sweep Bending Shoe	9 lbs	**6**	HC913	-	6' Hose	3 lbs	**13**
BZ12385	4"	Sweep Bending Shoe	12 lbs	**7**	CM7	-	Metal Case	98 lbs	**14**

SEE PAGE 45
for info on Electric Pumps

SEE PAGE 47
for info on Manual Pumps

SEE PAGE 50
for info on Cylinders

ONE-SHOT EJECT-O-MATIC™

B343S models bend 1¼" to 4" Rigid steel and Rigid aluminum conduit. Eject-O-Matic™ feature retains conduit with a T-pin while bending shoe is hydraulically retracted. Once complete, the conduit automatically pops free.

- Optional 5" conversion kit available (B350).
- Automatic ejection saves time and money.

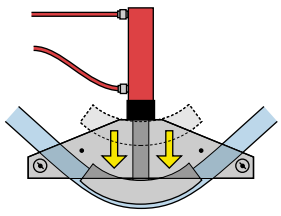
Part #	Description	Weight
B343S	1¼" - 4" One-shot	330 lbs
B343SPH84	1¼" - 4" One-shot w/ PH84 Hand Pump	380 lbs
B343SPE24J	1¼" - 4" One-shot w/ PE24J Electric Pump	362 lbs
B343SPE34J	1¼" - 4" One-shot w/ PE34J Electric Pump	430 lbs
B343SPE34R	1¼" - 4" One-shot w/ PE34R Electric Pump	432 lbs

CENTERLINE RADIUS CHART:

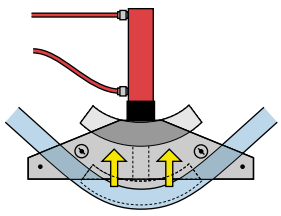
Nominal Size	Rigid Radius	Bending Shoe	Nominal Size	Rigid Radius	Bending Shoe
1¼"	7¼"	BZ12041	3"	13"	BZ12351
1½"	8¼"	BZ12051	3½"	17½"	BZ12391
2"	9½"	BZ12061	4"	20"	BZ12392
2½"	10½"	BZ12341			

COMPONENTS INCLUDED WITH B343S MODELS:

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ12041	1¼"	Bending Shoe	4 lbs	**1**	BZ13401	-	(2) Pivot Shoes	4 lbs	**9**
BZ12051	1½"	Bending Shoe	5 lbs	**2**	BZ12091	-	Angle Gauge	.5 lb	**10**
BZ12061	2"	Bending Shoe	7 lbs	**3**	BZ12376	-	(2) Pivot Pins	4 lbs	**11**
BZ12341	2½"	Bending Shoe	14 lbs	**4**	BZ12374	-	Bender Frame	78 lbs	**12**
BZ12351	3"	Bending Shoe	15 lbs	**5**	BZ12377	-	Shoe Lock Pin	.25 lb	**13**
BZ12391	3½"	Bending Shoe	40 lbs	**6**	HC913	-	(2) 6' Hoses	3 lbs	**14**
BZ12392	4"	Bending Shoe	41 lbs	**7**	CM7	-	Metal Case	98 lbs	**15**
CD3014	-	30 ton Double Acting A29 Smooth Saddle	31 lbs	**8**	B350	-	5" Conversion Kit (optional)	63 lbs	**-**



Bend Conduit Hydraulically



Eject Conduit Hydraulically

B351S

SEE PAGE 45
for info on Electric Pumps

SEE PAGE 47
for info on Manual Pumps

SEE PAGE 50
for info on Cylinders

COMBINATION EJECT-O-MATIC™

B351S models bend 1¼" to 4" Rigid steel and Rigid aluminum conduit in one-shot and 5" sweep.

- Choice of hand or electric pumps.
- Durable metal job box included.
- Eject conduit hydraulically by moving one pivot pin.

Part #	Description	Weight
B351S	1¼" - 4" One-shot / 5" Sweep Combination	377 lbs
B351SPH84	1¼" - 4" One-shot / 5" Sweep Combo w/ PH84 Hand Pump	410 lbs
B351SPE34J	1¼" - 4" One-shot / 5" Sweep Combo w/ PE34J Elec. Pump	458 lbs
B351SPE34R	1¼" - 4" One-shot / 5" Sweep Combo w/ PE34R Elec. Pump	460 lbs

CENTERLINE RADIUS CHART:

Nominal Size	Rigid Radius	Bending Shoe	Nominal Size	Rigid Radius	Bending Shoe
1¼"	7¼"	BZ12041	3"	13"	BZ12351
1½"	8¼"	BZ12051	3½"	17½"	BZ12391
2"	9½"	BZ12061	4"	20"	BZ12392
2½"	10½"	BZ12341			

COMPONENTS INCLUDED WITH B351S MODELS:

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ12041	1¼"	Bending Shoe	4 lbs	**1**	CD3014	-	30 ton Double Acting A29 Smooth Saddle	31 lbs	**9**
BZ12051	1½"	Bending Shoe	5 lbs	**2**	BZ12388	-	(2) Pivot Shoes	10 lbs	**10**
BZ12061	2"	Bending Shoe	7 lbs	**3**	BZ12091	-	Angle Gauge	.5 lb	**11**
BZ12341	2½"	Bending Shoe	14 lbs	**4**	BZ12390	-	(2) Pivot Pins	4 lbs	**12**
BZ12351	3"	Bending Shoe	15 lbs	**5**	BZ12389	-	Bender Frame	85 lbs	**13**
BZ12391	3½"	Bending Shoe	40 lbs	**6**	BZ12377	-	Shoe Lock Pin	.25 lb	**14**
BZ12392	4"	Bending Shoe	41 lbs	**7**	HC913	-	(2) 6' Hoses	13 lbs	**15**
BZ12386	5"	Sweep Bending Shoe	18 lbs	**8**	CM7	-	Metal Case	98 lbs	**16**

B35

EMT BENDER

The B35 utilizes a wide-arc shoe that bends 1¼" to 2" EMT conduit in one continuous cycle for a smooth and even bend.

- Built-in shoe angle gauge.
- Thread-out cylinders for fast, easy setup.
- Choice of hand-operated or electric-powered pumps.

Part #	Description	Weight
B35	1¼" - 2" Thinwall	123 lbs
B35PH80	1¼" - 2" Thinwall w/ PH80 Hand Pump	100 lbs
B35PE22J	1¼" - 2" Thinwall w/ PH22J Electric Pump	150 lbs

SEE PAGE 45 for info on Electric Pumps

SEE PAGE 47 for info on Manual Pumps

SEE PAGE 50 for info on Cylinders

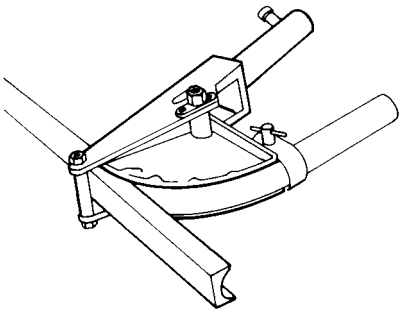
For quick reference guide, order GB part # E507 at no charge.

CENTERLINE RADIUS CHART:

Nominal Size	EMT Radius	Bending Shoe
1¼"	7¼"	BZ1346
1½"	8⅛"	BZ1347
2"	9⅛"	BZ1348

COMPONENTS INCLUDED WITH B35 MODELS:

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ1346	1¼"	Bending Shoe	9 lbs	**1**	BZ693	2"	U-strap	2 lbs	**9**
BZ1347	1½"	Bending Shoe	10 lbs	**2**	BZ683	-	Bender Frame	17 lbs	**10**
BZ1348	2"	Bending Shoe	12 lbs	**3**	CS106	-	10 ton Single Acting Hydraulic Cylinder	10 lbs	**11**
BZ1343	1¼"	Follow Bar	5 lbs	**4**	BZ790	-	Strap Pin	1 lb	**12**
BZ1344	1½"	Follow Bar	6 lbs	**5**	BZ1185	-	Smooth Saddle	1 lb	**13**
BZ1345	2"	Follow Bar	7 lbs	**6**	HC913	-	6' Hose	13 lbs	**14**
BZ691	1¼"	U-strap	2 lbs	**7**	CM4	-	Metal Case	56 lbs	**15**
BZ692	1½"	U-strap	2 lbs	**8**	A13	-	Threaded Saddle	1 lb	**16**



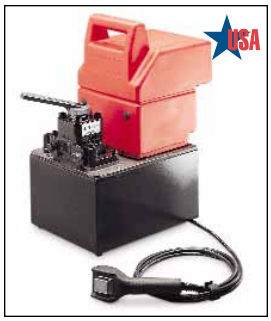
ELECTRIC HYDRAULIC PUMPS

PE20D ½ HP Pump

PE22J ½ HP Pump

PE24J ½ HP Pump

PE32J 1⅛ HP Pump



PE34J 1⅛ HP Pump

PE34R 1⅛ HP Pump

ECONOMY ELECTRIC PUMPS

PE20D & PE22J

- Lightweight 22 - 41 lbs.
- 115 V AC 50/60 cycle universal motor works well with long extension cords or generator driven power.
- Long 10' remote control for operator safety.
- Great for medium sized cylinders.

SUBMERGED ELECTRIC PUMPS

PE24J

- Powerful ½ hp induction motor is submerged in the oil reservoir to run cooler, protect motor, simplify pump interface, save space, reduce noise.
- Large 1.7 gallon reservoir allows for a wide operation of cylinders.
- Full length slide tube for visual monitoring of oil level.

TITAN SERIES ELECTRIC PUMPS

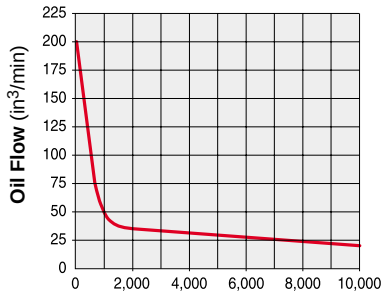
PE32J, PE34J, & PE34R

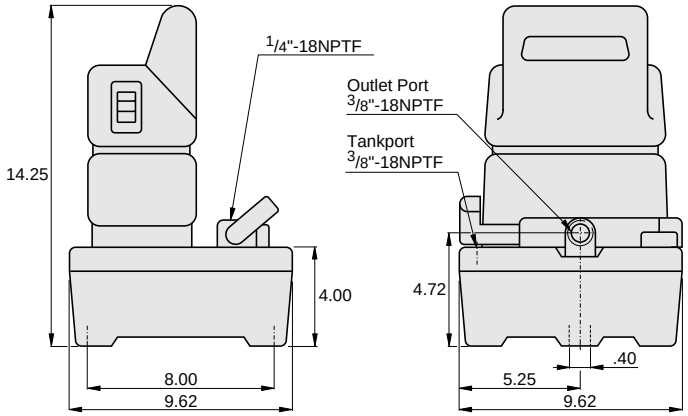
- Patented “Genesis” technology:
  - Coaxial piston design allows for high performance in the most compact and lightweight package.
  - First stage piston pump enables higher by-pass pressure for improved productivity.
- Powerful 1⅛ hp universal motor for a high power to weight ratio, and the ability to run as little as 50% of rated line voltage.
- Ergonomic motor shroud is lined with sound reduction material and provides motor protection.

		PE20D	PE22J	PE24J	PE32J	PE34J	PE34R
Motor Size		½ hp	½ hp	½ hp	1⅛ hp	1⅛ hp	1⅛ hp
Type		Economy	Economy	Submerged	Titan Series	Titan Series	Titan Series
Reservoir Capacity		1 gallon	1 gallon	1 gallon	2 gallons	2 gallons	2 gallons
Pump Type		Single-Acting	Single-Acting	Double-Acting	Single-Acting	Double-Acting	Double-Acting
Pressure Rating							
1st stage	psi	200	200	200	1,600	1,600	1,600
2nd stage	psi	10,000	10,000	10,000	10,000	10,000	10,000
Output Flow Rate							
1st stage	in^3/min	200	200	200	640	640	640
2nd stage	in^3/min	20	20	20	60	60	60
Valve Type		Dump	3-way, 2 pos.	4-way, 3 pos.	2-way	4-way	3-way Solenoid
Current Draw	Amps	9.5	9.5	9.5	25	25	25
Motor Voltage	VAC	115	115	115	115	115	115
Sound	VAC	85	85	85	83.88	83.88	83.88
Weight		29 lbs	27 lbs	32 lbs	80 lbs	80 lbs	105 lbs

PE20D & PE22J ECONOMY ELECTRIC PUMPS

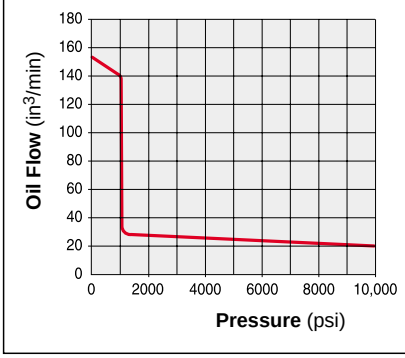
Economy Series Flow Chart

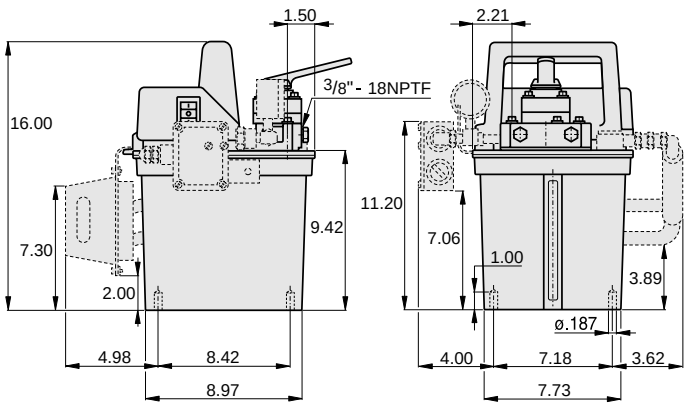




PE24J SUBMERGED ELECTRIC PUMPS

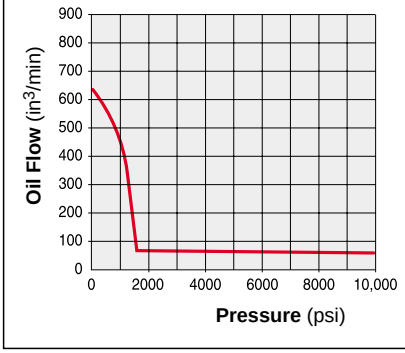
Submered Flow Chart (@ 60 Hz)

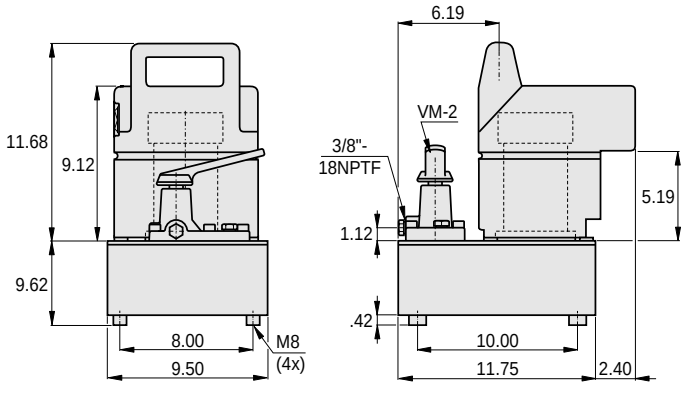




PE32J, PE34J, & PE34R TITAN SERIES ELECTRIC PUMPS

Titan Series Flow Chart





PH20 Manual Pump

PH39 Manual Pump

PH80 Manual Pump

PH84 Manual Pump

PF65 Manual Foot Pump

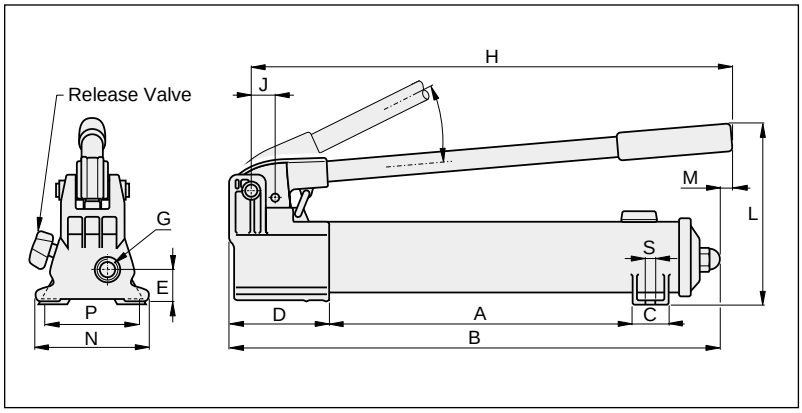
MANUAL HYDRAULIC PUMPS

Durable manual pumps utilized with Gardner Bender hydraulic bender sets.

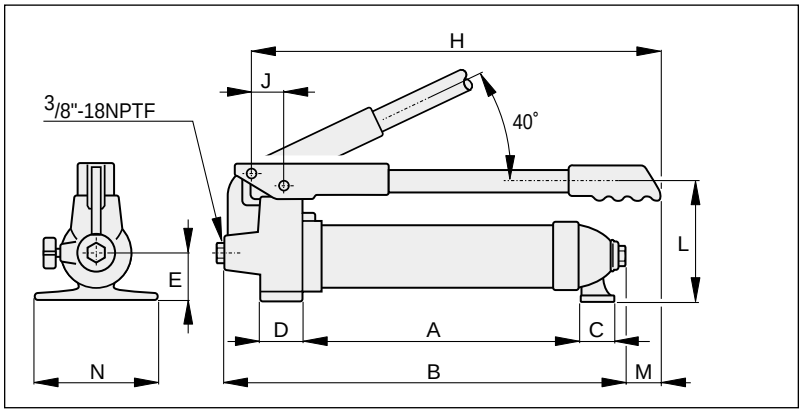
- PH80 and PH84 models feature two-speed action for faster cylinder cycle time.
- PH39 has economical single speed design.
- All pumps contain internal high pressure relief overload protection.

		PH20	PH39	PH80	PH84	PF65
Pump Type		Single-Speed	Single-Speed	Two-Speed	Two-Speed	Single-Speed
Usable Oil Capacity	in^3	20	40	134	134	22
Pressure Rating						
1st stage	psi	N/A	N/A	350	350	N/A
2nd stage	psi	10,000	10,000	10,000	10,000	6,500
Oil Displ. per Stroke						
1st stage	in^3	N/A	N/A	.99	.99	N/A
2nd stage	in^3	.055	.16	.15	.15	.16
Max. Handle Effort		72 lbs	111 lbs	104 lbs	104 lbs	125 lbs
Piston Stroke	in	.50	.81	1.00	1.00	.81
Piston Diameter						
1st stage	in	.75	.94	1.13	1.13	.50
2nd stage	in	.38	.44	.44	.44	N/A
Dimensions						
A	in	7.31	15.50	16.75	16.75	8.25
B	in	13.25	20.47	21.22	21.22	12.88
C	in	1.13	1.28	1.00	1.00	1.28
D	in	3.37	1.50	1.75	1.75	1.5
E	in	1.13	1.25	2.13	-	1.88
F	in	-	-	-	2.52	-
H	in	12.56	18.25	20.75	20.75	8.5
J	in	.75	1.18	1.14	1.14	1.18
L	in	5.63	4.69	6.88	6.88	4.38
M	in	-	2.56	.75	.75	.51
N	in	3.75	5.25	5.75	5.75	5.25
P	in	3.18	-	4.76	4.76	-
Q	in	-	-	-	1.50	-
R	in	-	-	.83	1.69	-
S	in	-	-	.31	.31	-
T	in	-	-	-	2.64	-
Weight		4.5 lbs	13 lbs	24 lbs	29 lbs	12 lbs

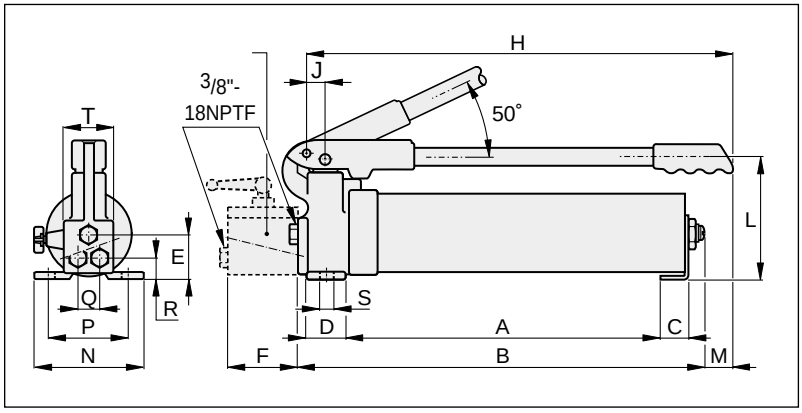
PH20



PH39 & PF65 (W/O CONVERSION KIT)



PH80 & PH84



HF101

H864

HYDRAULIC BENDER ACCESSORIES

Quality accessories to increase bending efficiency.

See following page for Hydraulic Cylinder Info.

Hoses and Oil

Part #	Description	Weight
H8210	10' Rubber Hydraulic Hose w/ AH630 coupler	4 lbs
H864	6' Rubber Hydraulic Hose w/ AH630 coupler	2 lbs
HC913	6' Rubber Hydraulic Hose w/ CH604 coupler	3 lbs
HC963	6' Plastic Hydraulic Hose w/ CH604 coupler	2 lbs
HC927	10' Rubber Hydraulic Hose w/ CH604 coupler	4 lbs
HF100	Hydraulic Oil, Quart	2 lbs
HF101	Hydraulic Oil, Gallon	8 lbs

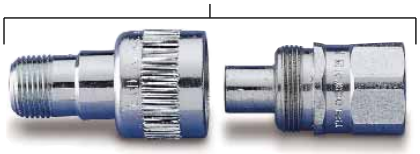
Couplers

Part #	Includes	Description	Weight
A630	AR630	Hydraulic Coupler: ¼" Female Half	.5 lb
	AH630	Hydraulic Coupler: ¼" Male Half	.5 lb
C604	CR400	Hydraulic Coupler: ⅜" High-flow Female Half	.5 lb
	CH604	Hydraulic Coupler: ⅜" High-flow Male Half	.5 lb
CD411	–	Universal Dust Cap for CR400 & CH604, plastic	.1 lb

Smooth Saddles

Part #	For Use With	2A Thread	Weight
A12	10 ton Cylinders	1 - 8 UNC	5 lbs
A29	25 ton Cylinders	1½ - 16 UNC	7 lbs

A630

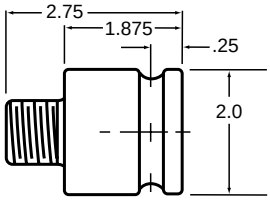


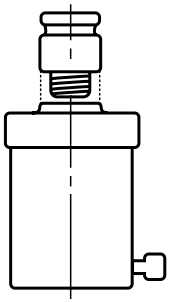
AR630 AH630

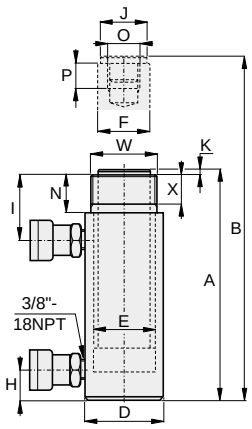
C604

CR400 CH604

A12/A29 Dimensions

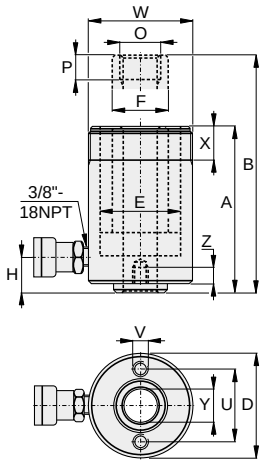




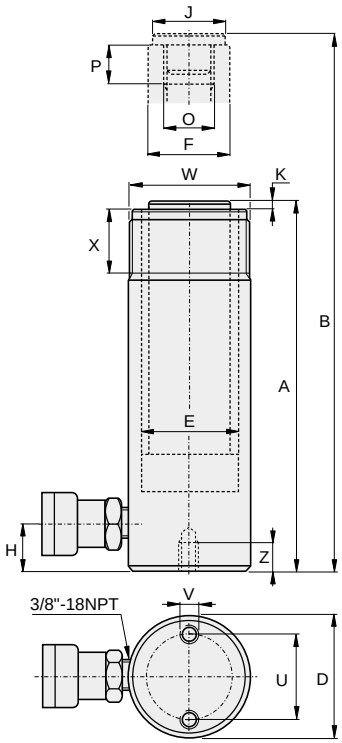


CD1010, CD1012,
CD308, CD3014 models

CH1211 has a 1.88" diameter boss that protrudes .25" from base.



CH1211 model



CS106, CS1010,
CS2510, CS2514 models

			CH1211	CS106	CS1010	CS2510	CS2514	CD1010	CD1012	CD308	CD3014
Cylinder Capacity		(tons)	12.00	10.00	10.00	25.00	25.00	10.00	10.00	30.00	30.00
Stroke		(in)	1.63	6.13	10.13	10.25	14.25	10.00	12.00	8.25	14.50
Max Cylinder Capacity	**Push**	(tons)						10.00	10.00	30.00	30.00
Max Cylinder Capacity	**Pull**	(tons)						4.00	4.00	5.00	5.00
Cylinder Effective Area		(in^2)	2.77	2.23	2.23	5.15	5.15				
Cylinder Effective Area	**Push**	(in^2)						2.23	2.23	6.51	6.51
Cylinder Effective Area	**Pull**	(in^2)						0.80	0.80	3.00	3.00
Oil Capacity		(in^3)	4.52	13.67	22.59	52.79	73.39				
Oil Capacity	**Push**	(in^3)						22.33	26.80	53.67	92.70
Oil Capacity	**Pull**	(in^3)						8.00	9.00	25.00	43.00
Collapsed Height	**A**	(in)	4.75	9.75	13.75	14.75	18.75	16.13	18.00	15.25	21.63
Extended Height	**B**	(in)	6.38	15.88	23.88	25.00	33.00	26.13	30.00	23.50	36.13
Outside Diameter	**D**	(in)	2.75	2.25	2.25	3.38	3.38	2.88	2.88	4.00	4.00
Cylinder Bore Diameter	**E**	(in)	2.13	1.69	1.69	2.56	2.56	1.69	1.69	2.88	2.88
Plunger Diameter	**F**	(in)	1.38	1.50	1.50	2.25	2.25	1.38	1.38	2.13	2.13
Cyl. Base to Advance Port	**H**	(in)	0.75	0.75	0.75	1.00	1.00	1.44	1.44	1.44	1.56
Top to Ret. Port	**I**	(in)						2.25	2.25	3.19	3.19
Saddle Diameter	**J**	(in)	–	1.38	1.38	2.00	2.00	1.38	1.38	2.00	2.00
Saddle Protr. from Plunger	**K**	(in)	–	0.25	0.25	0.41	0.41	0.06	0.06	0.41	0.41
Plunger Internal Thread	**O**	(in)	$\frac{3}{4}$-16	1-8	1-8	$1\frac{1}{2}$-16	$1\frac{1}{2}$-16	1-8	1-8	$1\frac{1}{2}$-16	$1\frac{1}{2}$-16
Plunger Thread Length	**P**	(in)	0.63	0.75	0.75	1.00	1.00	1.00	1.00	1.00	1.00
Base Mounting Holes											
Bolt Circle Diameter	**U**	(in)		1.56	1.56	2.31	2.31	–	–	–	–
Thread	**V**	(in)		$\frac{5}{16}$-18	$\frac{5}{16}$-18	$\frac{1}{2}$-13	$\frac{1}{2}$-13	–	–	–	–
Thread Depth	**Z**	(in)		.50	.50	.75	.75	–	–	–	–
Collar Thread	**W**	(in)	$2\frac{3}{4}$-16	$2\frac{1}{4}$-14	$2\frac{1}{4}$-14	$3\frac{5}{16}$-12	$3\frac{5}{16}$-12	$2\frac{1}{4}$-14	$2\frac{1}{4}$-14	$3\frac{5}{16}$-12	$3\frac{5}{16}$-12
Collar Thread Length	**X**	(in)	1.19	1.13	1.13	1.94	1.94	1.06	1.06	1.94	1.94
Center Hole Diameter	**Y**	(in)	0.77								
Weight		(lbs)	6.20	9.80	14.00	31.00	39.00	28.00	31.00	40.00	64.00
Rating		(tons)	12	10	10	25	25	10	10	30	30
Saddle (sold separately)		(tons)	12	10	10	25	25	10	10	30	30

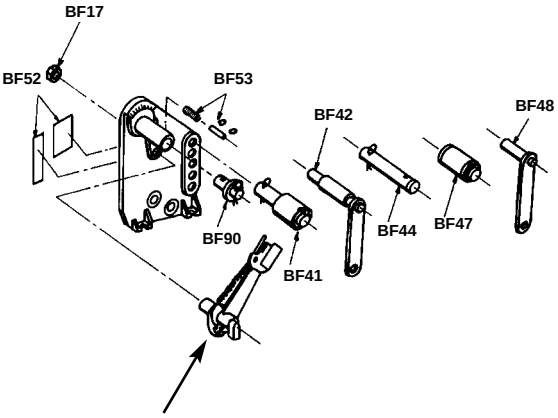
SIDEWINDER® BENDERS

A fully portable system that allows bending of ½" to 1½" Rigid steel, IMC PVC-coated Rigid or ½" to 1½" Rigid aluminum, or ½" - 2" EMT. Choose from eight different models to satisfy the appropriate requirements.

- Removable bender can be bolted onto workbench or truck bed for unparalleled flexibility.
- 0° to 90° bend indicator built into the frame shows bend angle while bending.
- Double-dog ratchet prevents shoe spring-back during bends; allows fast release after bending.
- Interchangeable shoes adapt single bender frame to cover widest range of conduit types.

BWF800 Bender Head Assembly

Part #	Description	Weight
BWF888	Sidewinder® Bender w/ out Shoe Groups	64 lbs
BF41	Shaft and Urethane Roller Assembly	3 lbs
BF42	2" EMT Strap	8 lbs
BF43	Frame, Retainer Pin and Decals	25 lbs
BF44	Roller Shaft Assembly	4 lbs
BF47	Urethane Roller Assembly	3 lbs
BF48	2" Steel Sleeve and Strap Kit	4 lbs
BF49	Ratchet Assembly	9 lbs
BF52	Bend Instruction Decals	1 lb
BF53	Lock Pin Assembly	.2 lb
BF90	Shoe Lock Kit (upgrade older frames)	2 lbs
BTI12520	Insert Teeth (for 1¼" - 1½" and 2" shoes)	1 lb



Repair Kits for BF49

Part #	Description
BW72	Lever and Washer Kit
BW74	Drive Pawl and Spring Kit
BW75	Hold Pawl and Spring Kit
BW76	Pin and Spring Kit

See Repair Parts Sheet for a detailed breakdown of these kits.

Jaws attach to shoes with chain.

Bending Shoes

Part #	Clamping Jaw Range	Conduit	Weight	Clamping Jaw Part #*	Weight
BT57510	½", ¾" & 1"	EMT	15 lbs	BZ1306	2 lbs
BT12515	1¼" - 1½"	1½" EMT	34 lbs	BZ1307	4 lbs
BT2000*	2"	EMT	39 lbs	BZ13081	4 lbs
BR57510	½", ¾" & 1"	Rigid & IMC	18 lbs	BZ1306	2 lbs
BR12515	1¼" - 1½"	Rigid & IMC	28 lbs	BZ1307	4 lbs
BR20000	2"	Aluminum Rigid	33 lbs	BZ1308	3 lbs

*Shoe includes BZ1345 follow bar and strap.

BW11

SIDEWINDER® RIGID / IMC BENDER

BW11 bends ½", ¾" and 1" Rigid and IMC conduit.

- Shoe lock slips into place and removes easily for quick change-outs.
- Fully portable.
- Set includes BWF888 Frame.

Part #	Weight	Range	Shoe	Weight	Case
BW11	78 lbs	½", ¾", & 1" Rigid & IMC	BR57510	18 lbs	N/A

BW12

SIDEWINDER® RIGID / IMC BENDER

BW12 bends 1¼" and 1½" Rigid and IMC conduit.

- Shoe tooth inserts can be replaced in the field which allows extended service life.
- Set includes BWF888 Frame.

Part #	Weight	Range	Shoe	Weight	Case
BW12	88 lbs	1¼" & 1½" Rigid & IMC	BR12515	28 lbs	N/A

BW15

SIDEWINDER® RIGID / IMC BENDER

BW15 bends ½" to 1½" Rigid and IMC conduit.

- Combines features and bending capabilities of BW11 and BW12.
- Able to handle the most commonly used Rigid and IMC sizes.
- Set includes BWF888 Frame.

Part #	Weight	Range	Shoe	Weight	Case
BW15	106 lbs	½", ¾", & 1" Rigid & IMC	BR57510	18 lbs	N/A
		1¼" & 1½" Rigid & IMC	BR12515	28 lbs	

BW20

SIDEWINDER® RIGID / IMC AND RIGID ALUMINUM CONDUIT BENDER

BW20 bends ½" to 1½" Rigid and IMC and 2" Rigid aluminum conduit. Adds 2" Rigid aluminum conduit bending capability to ½" to 1½" Rigid and IMC capacity of BW15 Sidewinder®.

- Larger shoes feature field-replaceable tooth inserts for extended service life.
- Set includes Tool-Gard™ metal storage box.
- Set includes BWF888 Frame.

Part #	Weight	Range	Shoe	Weight	Case
BW20	175 lbs	½", ¾", & 1" Rigid & IMC	BR57510	18 lbs	CM4
		1¼" & 1½" Rigid & IMC	BR12515	28 lbs	
		2" Rigid Aluminum	BR20000	33 lbs	

BW30

SIDEWINDER® BENDER FOR ALL CONDUIT TYPES

BW30 bends ½" to 1½" Rigid and IMC, ½" to 2" EMT and ½" to 1½" Rigid aluminum and ½" to 1½" PVC-coated Rigid conduit.

- The most comprehensive Sidewinder® set for every job.
- Larger shoes feature filed-replacement tooth inserts for extended service life.
- Set includes Tool-Gard™ metal storage box.
- Set includes BWF888 Frame.

Part #	Weight	Range	Shoe	Weight	Case
BW30	290 lbs	½", ¾", & 1" EMT	BT57510	18 lbs	CM7
		1¼" & 1½" EMT	BT12515	28 lbs	
		2" EMT	BT2000	39 lbs	
		½", ¾", & 1" Rigid & IMC	BR57510	18 lbs	
		1¼" & 1½" Rigid & IMC	BR12515	28 lbs	
		2" Rigid Aluminum	BR20000	33 lbs	

BW27

SIDEWINDER® BENDER FOR MOST CONDUIT TYPES

BW27 bends ½" to 1½" Rigid and IMC, 1¼" to 2" thinwall (EMT) and 1" to 1½" PVC-coated Rigid conduit.

- The economical choice for bending the most popular sizes of Rigid/IMC and larger EMT conduit.
- Set includes Tool-Gard™ metal storage box.
- Set includes BWF888 Frame.

Part #	Weight	Range	Shoe	Weight	Case
BW27	210 lbs	1¼" & 1½" EMT	BT12515	28 lbs	CM4
		2" EMT	BT2000	39 lbs	
		½", ¾", & 1" Rigid & IMC	BR57510	18 lbs	
		1¼" & 1½" Rigid & IMC	BR12515	28 lbs	

BW201

SIDEWINDER® THINWALL AND PVC-COATED RIGID CONDUIT BENDER

BW201 bends 2" EMT and 1½" PVC-coated Rigid conduit.

- Field-replaceable shoe tooth inserts extend service life.
- Set includes BWF888 Frame.

Part #	Weight	Range	Shoe	Weight	Case
BW201	99 lbs	2" EMT	BT2000	39 lbs	N/A

BW221

SIDEWINDER® THINWALL AND PVC-COATED RIGID CONDUIT BENDER

BW221 bends ½" to 2" EMT and ½" to 1½" PVC-coated Rigid conduit.

- Larger shoes feature filed-replacement tooth inserts for extended service life.
- Set includes Tool-Gard™ metal storage box.
- Set includes BWF888 Frame.

Part #	Weight	Range	Shoe	Weight	Case
BW221	184 lbs	½", ¾", & 1" EMT	BT57510	18 lbs	CM4
		1¼" & 1½" EMT	BT12515	28 lbs	
		2" EMT	BT2000	39 lbs	

NO-DOG™ OFFSET BENDER

Operating with just one push of the handle, this portable bender can make box offsets and other offset bends up to 3" in height.

- Bends ½" EMT, IMC and Rigid and ¾" EMT.
- Includes built-in conduit reamer to smooth rough conduit edges.
- Adjustable settings allows repeatable and identical offset bends.
- Attaches to the undercarriage of the Sidewinder® for support and portability.
- Available with or without portable frame.

Part #	Weight	Range
BOS57	31 lbs	½" - ¾" EMT, ½" Rigid No-Dog™ Bender Set
BOSA57	17 lbs	½" - ¾" EMT, ½" Rigid No-Dog™ Bender w/o Portable Frame

THINWALL / RIGID BENDERS WITH LEVELS

Lifetime Warranty

USA

THINWALL / RIGID BENDERS WITHOUT LEVELS

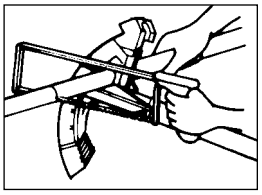
Lifetime Warranty

USA

GARDNER® THINWALL / RIGID ALUMINUM HAND BENDERS (SERIES 910B-933)

Built-in level angle gauge ensures fast, accurate bends. Bends ½" to 1¼" EMT and ½" to 1" Rigid conduit.

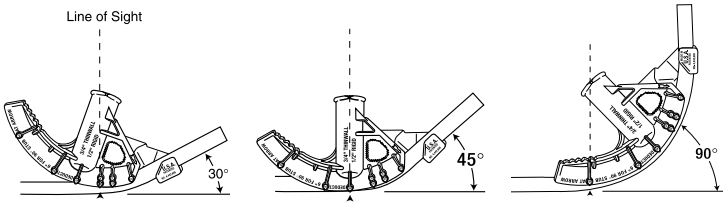
- Built-in acrylic level gauge helps make precise bends in half the time.
- All models include embossed sight lines for 10°, 22.5°, 30°, 45°, 60° and 90°.
- Patented Vise-Mate™ holds conduit steady as it is cut to appropriate size.



Insert conduit through Vise-Mate™ opening and cut to desired length.

Part #	Levels Included	EMT Size	Rigid Size	Inside Radius	Fits Bender Handle #	Weight
910B	No	½"	–	5"	BH-75	.5 lb
930B	Yes	½"	–	5"	BH-75	.8 lb
930H	Yes	½"	–	5"	Includes Handle	5.3 lbs
911B	No	¾"	½"	6"	BH-75	2.1 lbs
931B	Yes	¾"	½"	6"	BH-75	2.3 lbs
931H	Yes	¾"	½"	6"	Includes Handle	6.4 lbs
912	No	1"	¾"	8"	BH-100	4.0 lbs
932	Yes	1"	¾"	8"	BH-100	4.1 lbs
932H	Yes	1"	¾"	8"	Includes Handle	10 lbs
933	Yes	1¼"	1"	12"	BH-125	7.75 lbs

Sight line assures perfect bends every time.



Lifetime Warranty

USA

IRON HAND BENDERS (SERIES 920-923)

Bends ½" to 1¼" EMT and ½" to 1" Rigid conduit.

- Cast-in-place degree marks facilitate accurate bends.
- Constructed of rugged malleable iron for strength and durability.
- Arrow and diamond indicate beginning and back of bend locations.

Part #	EMT Size	Rigid Size	Inside Radius	Fits Bender Handle #	Weight
920	½"	–	5"	BH-75	2.7 lbs
920H	½"	–	5"	Includes Handle	7.2 lbs
921	¾"	½"	6"	BH-75	5 lbs
921H	¾"	½"	6"	Includes Handle	9.6 lbs
922	1"	¾"	8"	BH-100	4.9 lbs
922H	1"	¾"	8"	Includes Handle	14.5 lbs
923	1¼"	1"	11"	BH-125	14 lbs

HAND BENDER HANDLES

High quality, pre-threaded bender handles for all Gardner Bender bender heads.

- Constructed of high-strength steel.
- Powder painted for increased durability.
- Comfort grip design ensures increased grasping capabilities.

Part #	Size	Fits Aluminum Bender #	Fits Iron Bender #	Weight
BH-75	¾" NPT x 38" long	910B, 911B, 930B, 931B, 940, 941	920, 921	3.5 lbs
BH-100	1" NPT x 44" long	912, 932, 942	922	5.5 lbs
BH-125	1¼" NPT x 54" long	933, 943, 944	923	7.2 lbs

HICKEY BENDING HEADS

For ½" to 1" Rigid conduit.

- Manufactured using permanent mold process with high-strength, heat-treated aluminum.
- Lightweight and extremely durable.

Part #	Rigid Size	Fits Bender Handle #	Weight
820	½"	BH-100	.9 lb
820H	½"	Includes Handle	5.8 lbs
821	¾"	BH-100	1.2 lbs
821H	¾"	Includes Handle	6.1 lbs
822	1"	BH-125	2.2 lbs
822H	1"	Includes Handle	9.6 lbs

TORPEDO LEVEL

Verify proper conduit and duct runs with this lightweight level.

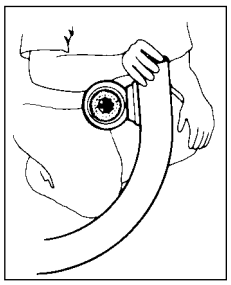
- Convenient top-reading window with full-size, easy to read vials.
- Magnetic strip clings to steel conduit.

Part #	Description	Weight
GL-9A	9" Aluminum Torpedo Level	.3 lb

MAGNETIC PROTRACTOR

Magnetic base and back cling to steel conduit to simplify bending process.

- Adjustable angle indicator.
- Dampened pendulum for fast reading.
- Durable Polycast™ construction.



Part #	Description	Weight
GLP-90	Magnetic Protractor	.8 lb

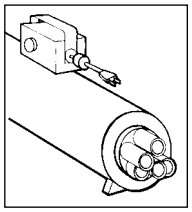
GUIDE TO BENDING BOOKLET

Easy to use instructions for completing multiple types of conduit bends.

- Contains quick reference charts and guides.
- Easy to carry.
- Provided at no charge.

Part #	Description
E507	Guide to Profitable Bending Booklet

HOT TUBE™ PVC BENDER FOR ½" TO 2" CONDUIT (SCHEDULE 40-80)



This patented high-production bender can simultaneously heat up to five lengths of ½" conduit and up to three lengths of ¾" conduit, without rotating.

- Adjustable thermostatic control heats conduit fast and maintains perfect bending temperature.
- Patented technology enables HotTube™ to maintain temperature in wide range of ambient temperatures and wind conditions.
- No need to rotate conduit. Won't burn or scorch.
- Insulated, weatherproof housing provides safe, cool operation-unit is portable immediately after use.
- Dimensions: 27⅜" x 5½" x 8½".

Part #	Description	Power Requirements Watts	Volts	Amps	Weight
BHT-520A	½" - 2" HotTube™	1440	115/120	12	24 lbs

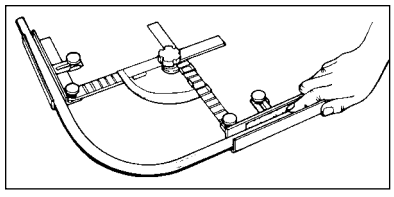
HOTBOX™ PVC BENDER FOR ½" TO 2" CONDUIT (SCHEDULE 40-80)

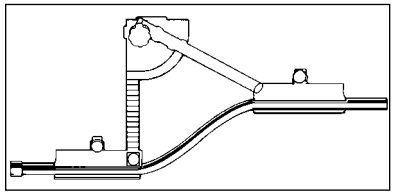
Complete PVC bending system includes Bend-Guide™ bending gauge.

- Highly polished reflector surfaces heat conduit quickly and evenly.
- Low power consumption.
- Lightweight with convenient carrying handle and cover clasp.
- Bending guide adjusts for 0° to 90° bend segments in any radius from 6" to 12".
- Dimensions: 29½" x 7" x 7⅛".

Part #	Description	Power Requirements Watts	Volts	Amps	Weight
BHB-520D	½" - 2" HotBox™	1450	115/120	12	17 lbs
BHE-50K	Replacement Heating Element	1450	115/120	12	1 lb

Convenient Bend-Guide™ is included with every BHB-520D.





HOTBOX™ PVC BENDER FOR ½" TO 4" CONDUIT (SCHEDULE 40-80)

Meets most PVC bending needs. Accommodates conduit range from ½" to 4".

- Highly polished reflector surfaces heat conduit quickly and evenly.
- Large wheels provide job-site portability.
- Allows conduit to be reheated and reformed.
- Dimensions: 54½" x 8½" x 11½"

Part #	Description	Power Requirements Watts	Volts	Amps	Weight
BHB-540A	½" - 4" HotBox™	2400	115/120	20	34 lbs
BHE-540	Replacement Heating Element	2400	115/120	20	3.5 lbs

BHB-560P

HOTBOX™ PVC BENDER FOR ½" TO 6" CONDUIT (SCHEDULE 40-80)

Accommodates conduit range from ½" to 6". Specially designed covers and heat flow system allow heating of shorter lengths as well as lengths sufficient for 48" radius, 90° elbows.

- Highly polished reflector surfaces heat conduit quickly and evenly.
- Power drive model automatically rotates conduit for faster bends.
- Large wheels provide job-site portability.
- Allows conduit to be reheated and reformed.
- Dimensions: 74" x 11½" x 14".

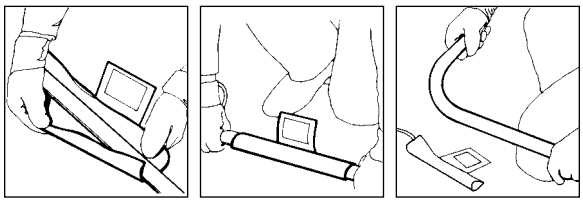
Part #	Description	Power Requirements Watts	Volts	Amps	Weight
BHB-560	½" - 6" HotBox™	5500	230	24	60 lbs
BHB-560P	½" - 6" HotBox™ w/ Power Rotator	5500	230	24	68 lbs
BHE-560	Replacement Heating Element	5500	230	24	8.5 lbs

BB5150

HOTBLANKET™ PVC BENDERS FOR ½" TO 4" CONDUIT (ALL SCHEDULES)

New improvements have made this family of conduit benders the most durable and economical bending system in the industry.

- Internal thermostatic control will not scorch or burn conduit.
- Use in any in-place position.
- Thermostatic control heats pipe fast, even in cold or windy conditions.
- Multiple circuit design extends the life of the blankets.
- Multiple wound heavy-gauge wire ensure the longest life of any bending blanket.



Wrap Heat Bend

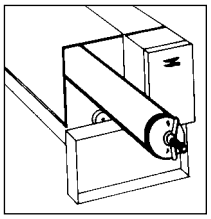
During windy conditions, we recommend use of PVC Plugs.

Part #	Conduit Size	Dimensions (L x W)	Power Requirements Watts	Volts	Amps	Weight
BB5150	½" - 1½"	18" x 7½"	310	120	2.6	2 lbs
BB2030	2" - 3"	25" x 11¼"	690	120	6.3	3 lbs
BB3040	3" - 4"	36" x 14⅜"	1120	120	10.2	6 lbs

SEE PAGE 60 for info on PVC Plugs

PVC PLUG SETS

Prevents conduit from collapsing or deforming by supporting the inside surface during heating and bending.



- Decreases heating time by trapping hot air in the conduit.
- Use with 2" and larger conduit.
- Includes durable storage case.

			Components		
Part #	Description	Weight	Part #	Description	Weight
BVS240	2" - 4" PVC Plug Set	6 lbs	BVP20	2" PVC Plug	.32 lb
			BVP25	2½" PVC Plug	.38 lb
			BVP30	3" PVC Plug	.44 lb
			BVP40	4" PVC Plug	.44 lb

INDIVIDUAL PVC PLUGS

Prevents conduit from collapsing or deforming by supporting the inside surface during heating and bending.

- Sold individually.

Part #	Description	Weight
BVP-20	2" PVC Plug	.3 lb
BVP-25	2½" PVC Plug	.3 lb
BVP-30	3" - 3½" PVC Plug	.4 lb
BVP-40	4" PVC Plug	.4 lb
BVP-50	5" PVC Plug	.6 lb
BVP-60	6" PVC Plug	.6 lb

BOND-AIDE™ PVC SOLVENT CEMENT

Achieves bond in 30 minutes; full bond within 24 hours.

- Use in drain, waste and vent systems.
- Supplied with mini-brush for easy application.

Part #	Pkg Qty	Description	Weight
BA-125	24/case	¼ Pint Bond-Aide™	8 lbs
BA-150	24/case	½ Pint Bond-Aide™	15 lbs
BA-200	12/case	1 Pint Bond-Aide™	14 lbs
BA-300	12/case	1 Quart Bond-Aide™	25 lbs
BA-500	4/case	1 Gallon Bond-Aide™	32 lbs

JETLINE® SUPER BLOWER™ SYSTEM

The most powerful blower system in the market.

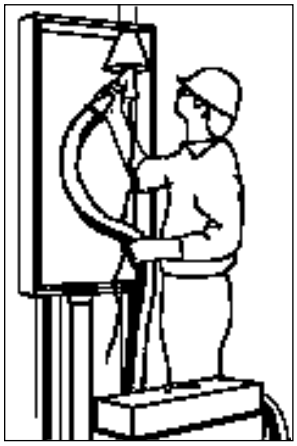
- Blower unit delivers 275 cfm at 3 psi – more than enough to blow ½" Poly-Pull™ rope 1000' or more through conduit up to 6" diameter.
- Lightweight (35 lbs) and compact (24" x 7½" x 8¼") power unit can be hand-carried right up to the work area.
- Extra-long 25' hose allows power unit to be located outside the manhole or vault.
- All work is done from one end of the conduit, permitting one-person operation. Works on 115 V AC power.
- System includes patented Dial-A-Line™ Seal-Off System; eliminates extra steps by allowing simple “dial” selection of feed-thru opening size for up to ½" pull rope.
- May use pull rope and True Tape™ conduit measuring tape simultaneously.
- 115 V AC, 23 A; Power Consumption 2.65 kw.
- Specifications: 4 max. psi; 150 cfm; 3 motors (1½ hp each)

Part #	Description	Weight
B60	JetLine® Super Blower™ Conduit Fishing System	56 lbs

SYSTEM INCLUDES:

Part #	Description	Weight	I.D. #	Part #	Description	Weight	I.D. #
B3000	Power Unit	34 lbs	**1**	F400B	Line Carrier for 3", 3½", 4" conduit	.1 lb	**5**
126025*	25' x 2½" Heavy-duty Hose	12 lbs	**2**	M5000	5" Plastic Line Carrier	.4 lb	**6**
B26	Large Dial-A-Line™ Seal-Off Body	.7 lb	**3**	M6000	6" Plastic Line Carrier	.5 lb	**7**
BV24	Seal-Off for 2½" - 6" conduit	3.3 lbs	**4**				

**Order catalog number 901152 to replace hose cuff end as necessary.*



LINE SHOOTER™ BLOWING SYSTEM

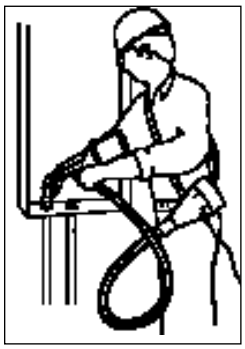
Handles conduit ½" to 6".

- Includes lightweight Line Shooter™ hand-held blowgun and flexible coupling extension for hard-to-reach conduit openings.
- Compact #1261 blower unit delivers a powerful punch, yet carries hands-free with shoulder strap. Durable high-impact housing stands up to job site abuse.
- Exclusive line drag key controls line tension to prevent overblowing and line pile-up.
- Includes 1,000' of 100 lb-test Poly-Pull™ line.
- Handy tool box holds entire system.
- Line Keeper™ slotted disc securely retains line in housing; prevents lost lines.
- Specifications: 3.25 max. psi; 90 cfm; 1.2 hp motor.
- 115 V AC; 7 A.

Part #	Description	Weight
B4500K	Line Shooter™ Portable Power Conduit Fishing System	33 lbs

SYSTEM INCLUDES:

Part #	Description	Weight	I.D. #
1261	Power Unit	9 lbs	**1**
BR-1503	3' x 1½" Heavy-duty Hose	1.6 lbs	**2**
BR-1549	Hand-held Blow Gun (Canister & Handle Assembly)	1.8 lbs	**3**
BR-1060	1' Heavy-duty Hose (1½" dia)	.9 lb	**4**
BR-1003	Long Seal-off for ½" - 1" conduit	.4 lb	**5**
BR-1004	Seal-off for 1¼" - 1½" conduit	1.3 lbs	**6**
BR-1005	Seal-off for 2" - 4" conduit	1.2 lbs	**7**
BR-1650	Line Keeper™ Disc	.2 lb	**8**
BR-1651	Line Drag Key	.2 lb	**9**
FC1	Foam Line Carrier for ½" conduit	.1 lb	**10**
FC2	Foam Line Carrier for ¾" conduit	.1 lb	**11**
FC3	Foam Line Carrier for 1" conduit	.1 lb	**12**
FC4	Foam Line Carrier for 1¼" conduit	.1 lb	**13**
FC5	Foam Line Carrier for 1½" conduit	.1 lb	**14**
FC6	Foam Line Carrier for 2" conduit	.1 lb	**15**
FC7	Foam Line Carrier for 2½" conduit	.1 lb	**16**
FC8	Foam Line Carrier for 3" conduit	.1 lb	**17**
FC9	Foam Line Carrier for 3½" conduit	.1 lb	**18**
FC10	Foam Line Carrier for 4" conduit	.1 lb	**19**
F125	Line Carrier for ¾", 1" & 1¼" conduit	.1 lb	**20**
F250	Line Carrier for 1½", 2" & 2½" conduit	.1 lb	**21**
F400	Line Carrier for 3", 3½" & 4" conduit	.1 lb	**22**
PL231	(2) 1,000' Poly-Pull™ Line (100 lb test)	1.3 lbs	**23**
106	Carrying Case	15.7 lbs	**24**
Optional Accessories			
BR-1006	Seal Adapter for 5" & 6" conduit	1.1 lbs	–
BR-1500AC	Air Compressor Valve Assembly	1.8 lbs	–
LP-1722	Nylon Bulk Line, 2,200' (90 lb test)	1.3 lbs	–



SUPER ULTRA BLO-VAC™ SYSTEM

This rugged blower/vacuum system handles ½" to 6" conduit.

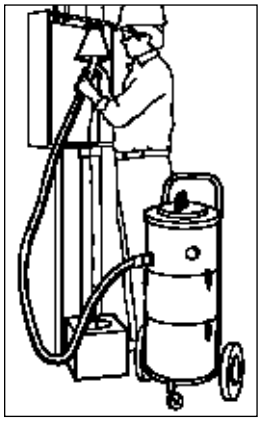
- Blows or vacuums most debris and water from conduit runs.
- High-impact, lightweight polypropylene construction will not rust or dent.
- Compartments can be unlatched and separated. Recovery compartment capacity expandable to 9 gallons by using bottom tool storage compartment.
- 10" diameter metal hubbed wheels allow mobility.
- Complete package includes patented Dial-A-Line™ Seal-offs, Inflatable® line carriers, foam line carriers, Power Saver™ and Tag-Along™ line packages. All accessories store neatly in self-contained tool storage compartment.
- Three-stage blower/vacuum motor delivers up to 25% more power for longer runs and faster operation.
- 115 V AC, 13 A, 14¼" x 16½" x 39¾"
- Specifications: 5 max. psi; 95 cfm; 2¼ hp; 134" vacuum.

Part #	Description	Weight
BV208DA	Super Blo-Vac™ Power Conduit Fishing System	63 lbs

SYSTEM INCLUDES:

Part #	Description	Weight	I.D. #	Part #	Description	Weight	I.D. #
1523	Power Unit	17 lbs	**1**	JV08	Short Seal-off for ½" - 1¼" conduit	.1 lb	**14**
1521	Recovery Compartment	7 lbs	**2**	JV09	Long Seal-off for ½" - 1¼" conduit	.1 lb	**15**
1520	Tool Storage	7 lbs	**3**	B26	Large Dial-A-Line™ Seal-off Body	.7 lb	**16**
1515	Cart	25 lbs	**4**	BV23	Seal-off for 1¼" - 2½" conduit	.3 lb	**17**
JV12	Seal-off for 1¼" - 2½" conduit	.3 lb	**5**	BV24	Seal-off for 2½" - 6" conduit	3.3 lbs	**18**
LP3200B	(5) 200' Line Pkgs for ¾" conduit	.9 lb	**6**	BV1281	Crevice Tool (for clean-up)	.1 lb	**19**
LP4200B	(5) 200' Line Pkgs for 1" conduit	1.6 lbs	**7**	LP2150B	(10) 150' Line Pkgs for ½" conduit	.8 lb	**20**
LP2206T	(2) 400' Line Pkgs for 1¼" or larger conduit	.6 lb	**8**	LP3450B	(5) 450' Line Pkgs for ¾" conduit	1.4 lbs	**21**
LP2207T	(2) 800' Line Pkgs for 1¼" or larger conduit	1 lb	**9**	LP4450B	(5) 450' Line Pkgs for 1" conduit	.8 lb	**22**
JV210	Filter Bag (for vacuuming)	.1 lb	**10**	FC1	(5) Foam Line Carriers for ½" conduit	.3 lb	**23**
12568	8' x 1½" Heavy-duty Hose	3.3 lbs	**11**	F125	Line Carriers ¾", 1", 1¼"	.6 lb	**24**
BV12	Hose Adapter (to Dial-A-Line™ body)	.1 lb	**12**	F250	Line Carriers 1½", 2", 2½"	.6 lb	**25**
JV07	Dial-A-Line™ Seal-off Body	.2 lb	**13**	F400	Line Carriers 3", 3½", 4"	.3 lb	**26**

15' x 1½" heavy-duty hose available. Order Part # 125615.



Tool Storage Compartment

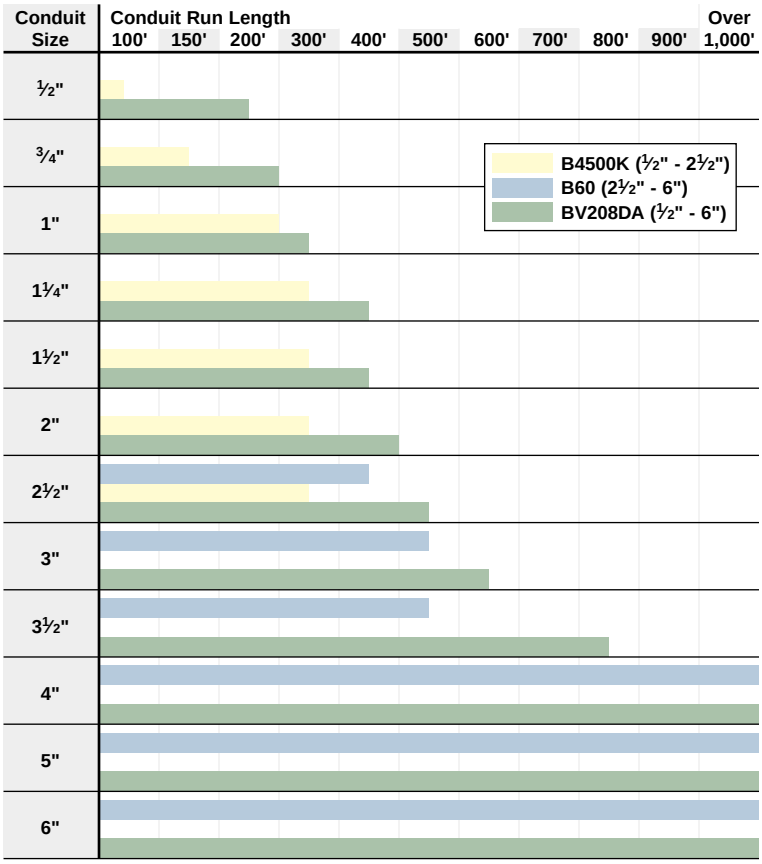
Super Ultra Blo-Vac™ Specifications	
Vacuum* (inches of waterlift)	134"
Maximum Air Pressure*	5 psi
Electrical Rating	120 V AC, 13.8 A
Type of Motor	By-pass
Number of Impeller Stages	3
Recovery Capacity**	9 gallons
Net Weight	55 lbs
Height w/Cart	41"
Motor Brush Life	750 hours

* Will vary with voltage and atmospheric conditions @ sealed vacuum.

** When using Recovery Compartment and Tool Storage Compartment together.

APPLICATION & COMPARISON CHART FOR B60, B4500K & BV208DA

The following chart illustrates typical conduit installation. Fewer bends and lighter pull lines can increase the maximum distances obtainable. The chart below refers to a typical run with (4) 90° bends and no obstructions or leaks, using JetLine® PL232 Pull Line (200# test) and foam line carriers.



JO250

JETLINE® COMPLETELY SELF-CONTAINED CO_2 SYSTEMS

JO250 POWR HOUSE™ 50 LB SYSTEM

For ½" to 6" conduit.

- Completely self-contained with no electrical power source required. Use 50 lb cylinder as source for refilling smaller cylinders (requires RV5 refill connector).
- Quick, easy setup.
- Metered operating valve controls CO_2 volume to minimize waste and maximize safety.
- Locking pull ring prevents accidental discharge.
- 1" tank thread.
- Specifications: 840 psi @ 70 °F.

Part #	Description	Weight
JO250	Powr House™ Conduit Fishing System with 50 lb CO_2 Cylinder	200 lbs

JO220

POWR HOUSE™ 20 LB SYSTEM

For ½" to 6" conduit.

- Same power and efficiency as 50 lb system (JO250).
- Smaller, economical 20 lb cylinder for easier portability.
- ¾" tank thread.
- Specifications: 840 psi @ 70 °F.

Part #	Description	Weight
JO220	Powr House™ Conduit Fishing System with 20 lb CO_2 Cylinder	98 lbs

JO225LC

POWR HOUSE™ CO_2 SYSTEM W/OUT CYLINDER

For ½" to 6" conduit.

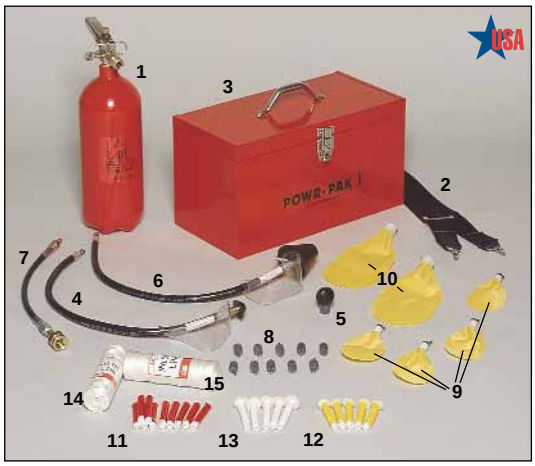
- Complete accessory package for the user who has the cylinder.
- Rugged containment system able to stand up to tough job site conditions.

Part #	Description	Weight
JO250LC	Powr House™ Conduit Fishing System without CO_2 Cylinder	40 lbs

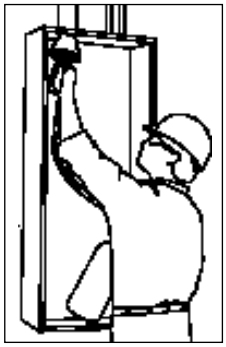
CONTENTS INCLUDED IN JO250, JO220 & JO250LC:

Part #	Description	Weight	I.D. #	Part #	Description	Weight	I.D. #
1105A*	12' Valve Assembly with UG12 hose only	3.6 lbs	1	FC1	Foam Line Carrier for ½" conduit	.1 lb	15
107	Tool Box w/ tray	14 lbs	2	FC2	Foam Line Carrier for ¾" conduit	.1 lb	16
1517	Cart	36 lbs	3	FC3	Foam Line Carrier for 1" conduit	.1 lb	17
1215	Seal-off for ½" - 1" conduit with 2' hose	.4 lb	4	FC4	Foam Line Carrier for 1¼" conduit	.1 lb	18
1142	Angle Adapter (for 1215 Seal-off)	.1 lb	5	FC5	Foam Line Carrier for 1½" conduit	.1 lb	19
1216	Seal-off for 1¼" - 2½" conduit with 2' hose	.8 lb	6	FC6	Foam Line Carrier for 2" conduit	.1 lb	20
1206	Seal-off for 1½" - 6" conduit	5.2 lbs	7	FC7	Foam Line Carrier for 2½" conduit	.1 lb	21
LP2150B	(10) 150' Line Pkgs for ½" conduit	1.3 lbs	8	FC8	Foam Line Carrier for 3" conduit	.1 lb	22
LP3200B	(5) 200' Line Pkgs for ¾" conduit	.8 lb	9	FC9	Foam Line Carrier for 3½" conduit	.1 lb	23
LP3300B	(5) 300' Line Pkgs for ¾" conduit	1.1 lbs	10	FC10	Foam Line Carrier for 4" conduit	.1 lb	24
LP4300B	(5) 300' Line Pkgs for 1" conduit	1.1 lbs	11	FC11	Foam Line Carrier for 5" conduit	.1 lb	25
LP2206T	(3) 400' Line Pkgs for 1¼" or larger conduit	.6 lb	12	FC12	Foam Line Carrier for 6" conduit	.1 lb	26
LP2207T	(3) 800' Line Pkgs for 1¼" or larger conduit	.6 lb	13	950	50 lb CO_2 Cylinder (full) (JO250 only)	161 lbs	27
LP2208T	(3) 600' Line Pkgs for 1¼" or larger conduit	.9 lb	14	1208	20 lb CO_2 Cylinder (full) (JO220 only)	58 lbs	28

*Order UG12 for hose only. Order UG121112 for hose and coupling assembly.



POWR-PAK I™ 5 LB PORTABLE SYSTEM



For ½" to 2½" conduit.

- Exclusive from Gardner Bender.
- Lightweight, portable system requires no electrical power.
- Metered operating valve controls volume, preventing waste.
- 5 lb cylinder can be refilled from larger cylinder using #RV5 refill connector.
- Locking pull ring prevents accidental discharge.
- ¾" NGA tank thread.
- Specifications: 840 psi @ 70 °F.

Part #	Description	Weight
JO25	Powr-Pak I™ Portable CO_2 Conduit Fishing System	16 lbs
JO25A	Powr-Pak I™ Portable CO_2 Conduit Fishing System w/out Cylinder	10 lbs

SYSTEM INCLUDES:

Part #	Description	Weight	I.D. #	Part #	Description	Weight	I.D. #
1103N	5 lb capacity CO_2 Cylinder w/valve (full)	18 lbs	1	F125B	(4) Line Carriers for ¾" - 1½" conduit	.6 lb	9
1102	Shoulder Strap	.4 lb	2	F250B	(2) Line Carriers for 1½" - 2½" conduit	.6 lb	10
109	Tool Box w/ tray	12 lbs	3	LP2150B	(10) 150' Line Pkgs for ½" conduit	1.3 lbs	11
1215	2' hose seal-off for ½" - 1" conduit	.4 lb	4	LP3200B	(5) 200' Line Pkgs for ¾" conduit	.8 lb	12
1142	Angle Adapter (for 1215 Seal-off)	.1 lb	5	LP4300B	(5) 300' Line Pkgs for 1" conduit	1.1 lbs	13
1216	2' hose seal-off for 1¼" - 2½" conduit	.8 lb	6	LP1701B	1000' Nylon Bulk Line	1 lb	14
RV5	Refill Connector (with 1137 Cone)	.8 lb	7	LP1702B	2000' Nylon Bulk Line	1 lb	15
FC1	(5) Foam Line Carriers for ½" conduit	.1 lb	8				

POWR-PAK II™ 5 LB BASIC SYSTEM

For ½" to 1" conduit.

- Same Powr-Pak™ 5 lb cylinder with basic accessories.
- Unit can be expanded with other accessories.
- ¾" NGA tank thread.
- Includes convenient portable caddy.

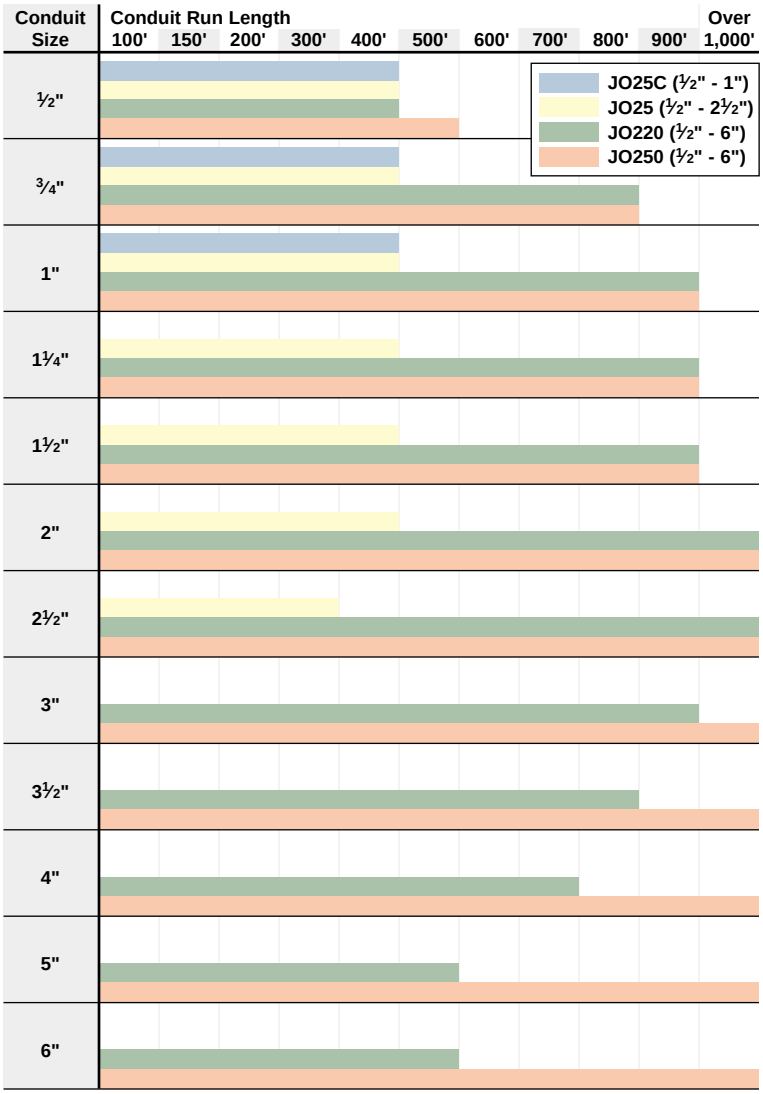
Part #	Description	Weight
JO25C	Powr-Pak II™ Portable CO_2 Conduit Fishing System	27 lbs
JO25CA	Powr-Pak II™ Portable CO_2 Conduit Fishing System w/out Cylinder	10 lbs

SYSTEM INCLUDES:

Part #	Description	Weight	I.D. #	Part #	Description	Weight	I.D. #
1103N	5 lb Capacity CO_2 Cylinder w/valve (full)	18 lbs	1	LP3200B	(5) 200' Line Pkgs for ¾" conduit	.8 lb	7
1102	Shoulder Strap	.4 lb	2	LP4300B	(5) 300' Line Pkgs for 1" conduit	1.1 lbs	8
1505	Caddy w/ Tool Box	5.8 lbs	3	LP1703	1400' Nylon Bulk Line	.9 lb	9
1215	Seal-off for ½" - 1" conduit with 2' hose	.4 lb	4	FC1	Foam Line Carrier for ½" conduit	.1 lb	10
1142	Angle Adapter (for 1215 Seal-Off)	.1 lb	5	FC2	Foam Line Carrier for ¾" conduit	.1 lb	11
LP2150B	(10) 150' Line Pkgs for ½" conduit	1.3 lbs	6	FC3	Foam Line Carrier for 1" conduit	.1 lb	12

APPLICATION & COMPARISON CHART FOR JO25C, JO25, JO220 & JO250

The following chart illustrates typical conduit installation. Fewer bends and lighter pull lines can increase the maximum distances obtainable. The chart below refers to a typical run with (4) 90° bends and no obstructions or leaks, using JetLine® PL232 Pull Line (200# test) and foam line carriers.

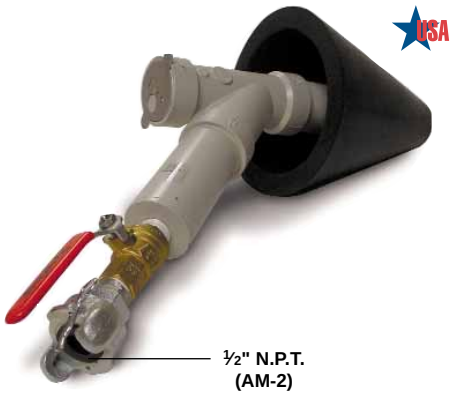


CO_2 REFILL CONNECTOR

Connection for refilling CO_2 cylinders.

- Flexible urethane hose with quick disconnects.
- Saves time.

Part #	Description	Weight
RV5	CO_2 Cylinder Refill Connector	.8 lb



AIR COMPRESSOR SEAL-OFF

Use with most commercial air compressors to blow pull line into conduit or duct.

- The Dial-A-Line™ feature is incorporated into the compressor fitting.
- Maximum 200 cfm rating.
- Shut-off valve.

CAUTION: Use in 2½" - 6" conduit only. To avoid rapid pressure build-up, do not use on smaller sizes of conduit.

Part #	Description	Weight
CB21V	Air Compressor Seal-off	6 lbs

Sold as complete assembly only.

THE INFLATABLES® LINE CARRIERS

For ¾" to 6" conduit.

- Each inflatable line carrier adjusts to fit the conduit; four items cover a range of eleven diameters of Rigid, IMC, EMT, PVC or flexible conduit, or single-bore duct.
- Heavy-gauge waterproof woven nylon assures long life.

Part #	Qty	Description	Weight
F125	5/bx	The Inflatables® Line Carrier for ¾", 1" & 1¼" conduit	.6 lb
F250	5/bx	The Inflatables® Line Carrier for 1½", 2" & 2½" conduit	.6 lb
F400	2/bx	The Inflatables® Line Carrier for 3", 3½" & 4" conduit	.3 lb
F600	2/bx	The Inflatables® Line Carrier for 5" & 6" conduit	.3 lb
F125B	4/bg	The Inflatables® Line Carrier for ¾", 1" & 1¼" conduit	.6 lb
F250B	2/bg	The Inflatables® Line Carrier for 1½", 2" & 2½" conduit	.6 lb
F400B	1/bg	The Inflatables® Line Carrier for 3", 3½" & 4" conduit	.6 lb
F600B	1/bg	The Inflatables® Line Carrier for 5" & 6" conduit	.8 lb

MISSILE LINE CARRIERS

For 2" to 6" conduit.

- Fast blowing and vacuuming of 2" to 6" diameter conduit by low-friction plastic carriers.
- Easily removed from conduit if stuck or jammed.

Part #	Qty	Description	Weight
M2000	1/bg	Missile Line Carrier for 2" conduit (w/rope eye)	.1 lb
M3000	1/bg	Missile Line Carrier for 3" conduit (w/rope eye)	.3 lb
M4000	1/bg	Missile Line Carrier for 4" conduit (w/rope eye)	.3 lb
M5000	1/bg	Missile Line Carrier for 5" conduit (w/rope eye)	.4 lb
M6000	1/bg	Missile Line Carrier for 6" conduit (w/rope eye)	.5 lb

FOAM LINE CARRIERS

For ½" to 6" conduit.

- Cleans water and debris from most conduit – Rigid, EMT, IMC, PVC or flexible.
- Durable for indefinite re-use.

Part #	Qty	Description	Weight
FC1	10/bx	Foam Line Carrier for ½" conduit	.3 lb
FC2	10/bx	Foam Line Carrier for ¾" conduit	.3 lb
FC3	10/bx	Foam Line Carrier for 1" conduit	.4 lb
FC4	10/bx	Foam Line Carrier for 1¼" conduit	.4 lb
FC5	5/bx	Foam Line Carrier for 1½" conduit	.3 lb
FC6	5/bx	Foam Line Carrier for 2" conduit	.4 lb
FC7	5/bx	Foam Line Carrier for 2½" conduit	.6 lb
FC8	5/bx	Foam Line Carrier for 3" conduit	.6 lb
FC9	2/bx	Foam Line Carrier for 3½" conduit	.5 lb
FC10	2/bx	Foam Line Carrier for 4" conduit	.6 lb
FC11	2/bx	Foam Line Carrier for 5" conduit	.8 lb
FC12	2/bx	Foam Line Carrier for 6" conduit	.8 lb

POWER SAVER™ LINE PACKAGES

For ½" to 1" conduit.

- Carrier and pull line included in a single, handy package. Line is dispensed smoothly and quickly as line carrier moves through conduit.
- No knots to tie, no foam carriers to retrieve.
- Color coded packages indicate line diameter.

Part #	Qty	Description	Length	Color	Breaking Strength	Weight
LP2150	50/bx	Power Saver™ Line Package for ½" conduit	150'	Red	17 lbs	.8 lb
LP3200	50/bx	Power Saver™ Line Package for ¾" conduit	200'	Yellow	17 lbs	.8 lb
LP3300	25/bx	Power Saver™ Line Package for ¾" conduit	300'	Yellow	17 lbs	.8 lb
LP3450	25/bx	Power Saver™ Line Package for ¾" conduit	450'	Yellow	17 lbs	.8 lb
LP4200	50/bx	Power Saver™ Line Package for 1" conduit	200'	White	17 lbs	.8 lb
LP4300	25/bx	Power Saver™ Line Package for 1" conduit	300'	White	17 lbs	.8 lb
LP4450	25/bx	Power Saver™ Line Package for 1" conduit	450'	White	17 lbs	.8 lb

TAG-ALONG™ LINE PACKAGES

For 1¼" to 6" conduit

- Handles longer runs with less energy.
- Line is dispensed as package moves through conduit attached to line carrier.
- Works with foam or inflatable line carriers.

Part #	Qty	Description	Length	Breaking Strength	Weight
LP2206T	10/bx	Tag-Along™ Pull Line Package	400'	22 lbs	.6 lb
LP2207T	10/bx	Tag-Along™ Pull Line Package	800'	22 lbs	1.1 lbs
LP2208T	10/bx	Tag-Along™ Pull Line Package	600'	22 lbs	.9 lb

HEAVY-DUTY BULK NYLON LINE

Doubles as general-purpose line for layout of suspended ceilings, plumb-lines and masonry construction.

- Use with line carriers for any size conduit.
- All packages are center-dispensing (except #LP1707).

Part #	Qty	Description	Length	Breaking Strength	Weight
LP1701	6/bx	Heavy-duty Bulk Nylon Line	1000'	100 lbs	2.5 lbs
LP1702	6/bx	Heavy-duty Bulk Nylon Line	2000'	30 lbs	2.7 lbs
LP1703	5/bx	Heavy-duty Bulk Nylon Line	1400'	22 lbs	.9 lb
LP1707	6/bx	Heavy-duty Bulk Nylon Line	1350'	100 lbs	5 lbs
LP1722	6/bx	Heavy-duty Bulk Nylon Line	2200'	90 lbs	6.3 lbs
LP1702B	1/bx	Heavy-duty Bulk Nylon Line	2000'	30 lbs	2.2 lbs

POLY-PULL™ SERIES PULL LINE

Super high strength – up to 500 lbs breaking strength.

- Self-lubricated polyolefin line lasts for years; will not rust, rot or mildew.
- Center-dispensing box pays out line smoothly.
- Blow directly into conduit using Dial-A-Line™ Seal-off bodies.

Part #	Description	Length	Breaking Strength	Outside Diameter	Color	Weight
PL102	Poly-Twine™ Pull Line	6500'	190 lbs	1/8"	Yellow	13 lbs
PL102B	Poly-Twine™ Pull Line in bucket	6500'	190 lbs	1/8"	Yellow	14 lbs
PL231	Poly-Pull™ Line in roll	1000'	100 lbs	1/16"	White	1.1 lbs
PL232	Poly-Pull™ Line in dispenser box	6500'	210 lbs	1/8"	Blue tracer	10 lbs
PL232B	Poly-Pull™ Line in bucket	6500'	210 lbs	1/8"	Blue tracer	11 lbs
PL235	Poly-Pull™ Line in dispenser box	2200'	500 lbs	3/16"	Red tracer	15 lbs
PL235B	Poly-Pull™ Line in bucket	2200'	500 lbs	3/16"	Red tracer	16 lbs

CONDUIT MEASURING TAPE

Blow or vacuum through the run to estimate wire length or to locate obstructions.

- Strong and durable.
- Breaking strength of 45 lbs.
- Super True Tape™ has breaking strength of 165 lbs.
- Both are mildew and rot-resistant.

Part #	Description	Dimensions	Weight
TT31	True Tape™ Measuring Tape	3000' Roll x 1/4" wide	1.7 lbs
ST40	Super True Tape™ Conduit Measuring Tape	2750' on Roll	4.1 lbs

CABLE SNAKE™ STEEL FISH TAPE

Rugged, ergonomically-designed steel fish tape.

- Comfortable handle made of impact-resistant plastic.
- Handle will not pop-out.
- Largest opening and gripping surface in the industry.
- GB exclusive trigger design cleans tape and provides constant tension during retrieval.
- Tape is wound directly into housing. No need to “snap” retaining tapes.
- Wire has clean lubricating properties to prevent rust.
- Maximum design strength 500 lbs.
- Fish tape ball helps guide through tricky bends.
- US Patent D396012.
- Contains 20% more wire.

Part #	Description	Weight
FTS-100GR	120' x ⅛" x .0625" Cable Snake™	4.6 lbs
FTS-200GR	240' x ⅛" x .0625" Cable Snake™	7.2 lbs

CABLE SNAKE™ STAINLESS STEEL FISH TAPE

Rugged, ergonomically-designed stainless steel fish tape

- Comfortable handle made of impact-resistant plastic.
- Handle will not pop-out.
- Largest opening and gripping surface in the industry.
- Steering wheel grip.
- High impact housing provides longer jobsite life.
- Maximum design strength 500 lbs.
- Fish tape ball helps guide through tricky bends.
- US Patent D396012.

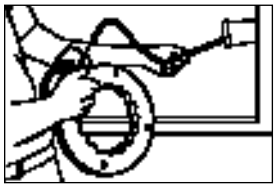
Part #	Description	Weight
FTSS-100GR	100' x ⅛" x .0625" Stainless Steel Cable Snake™	4.6 lbs
FTSS-200GR	200' x ⅛" x .0625" Stainless Steel Cable Snake™	7.2 lbs

Viewing port on both styles of Cable Snake™ fish tapes allows user to see the amount of tape remaining.

STREAMLINE™ STEEL FISH TAPE

Setting the industry standard for quality and dependability. Available in ⅛" and ¼" widths.

- Tape is wound directly into housing; no need to "snap" retaining tapes; no sticky residue inside housing.
- Exclusive hand trigger assembly helps wind tape tightly as it automatically wipes off excess lubricant.
- Form-fitting finger grips around reel fit the hand comfortably.
- Shatter-proof reel stands up to on-the-job abuse.
- Four viewing ports on reel tell how much tape remains.
- Easy disassembly for fast replacement of tape.
- Fish tape ball (standard on FTS-100B and FTS-200B) glides through tricky bends without sticking or snagging.
- Maximum design strength 500 lbs.



Part #	Description	End Type	Reel Dia.	Weight
FTS-50B	50' x ⅛" x .045" Fish Tape	Curled	8½"	2.3 lbs
FTS-100B	100' x ⅛" x .060" Fish Tape	Ball	12"	4.6 lbs
FTS-100CE	100' x ⅛" x .060" Fish Tape	Curled	12"	4.4 lbs
FTX-100	100' x ¼" x .060" Fish Tape	Curled	12"	7.2 lbs
FTS-200B	200' x ⅛" x .060" Fish Tape	Ball	12"	7.2 lbs
FTS-200CE	200' x ⅛" x .060" Fish Tape	Curled	12"	7.2 lbs

ECONOMY FISH TAPE

Economical 50' tape.

- Standard steel material.
- View port in reel allows user to view amount of tape used.

Part #	Description	Reel Dia.	Weight
EFT-50B	50' x ⅛" x .045" Fish Tape	7"	1.8 lbs

20' CABLE SNAKE™ FLAT WIRE TAPE

Perfect tool to fish short runs in existing structures.

- Ergonomic handle provides a sure grip for pulling.
- Aerodynamic tip reduces friction, requiring less force and decreased hang ups.
- Perfect for fishing under carpet, down walls and over ceilings.

Part #	Description	Reel Dia.	Weight
EFT-20P	20' x ¼" x .031" Fish Tape	6"	1 lb

REPLACEMENT FISH TAPE

Replacement tape FTS series.

- Durable flat steel tapes in ⅛" and ¼" widths.

Part #	Description	Fits Housing Number	Weight
RTS-50B	50' x ⅛" x .045" Steel	FTS-50B	1.2 lbs
RTS-100	100' x ⅛" x .060" Steel	FTS-100CE, FTS-100GR	3.0 lbs
RTSS-100	100' x ⅛" x .060" Stainless Steel	FTSS-100GR	3.0 lbs
RTS-200	200' x ⅛" x .060" Steel	FTS-200CE, FTS-200GR	5.6 lbs
RTSS-200	200' x ⅛" x .060" Stainless Steel	FTSS-200GR	5.6 lbs
RTX-100	100' x ¼" x .060" Steel	FTX-100	5.8 lbs
RTX-200	200' x ¼" x .060" Steel	Bulk (no housing)	11 lbs

FTF-200

FIBERLINE™ NON-CONDUCTIVE FIBERGLASS FISH TAPE

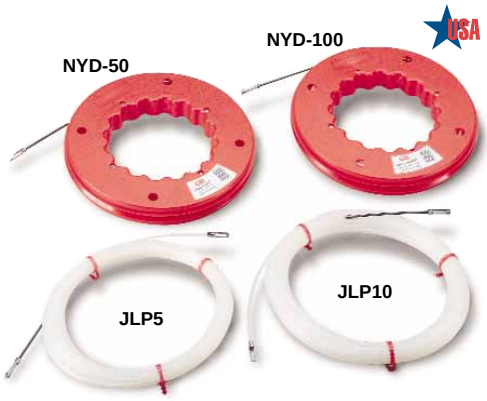
For use in telecom, electrical, wall and floor conduit, walker duct, and utility installations.

- Fiberglass non-conductive properties for safer pushing/pulling in occupied duct and panel boxes.
- Inner feed design for quick payout and rewind.
- Rust and corrosion resistant, superior pulling strength, will not kink.
- High visibility in crowded conduit.
- Fish tape eye accommodates #10 wire.
- Repair kit keeps parts handy.
- FiberLine™ Hand Puller protects fiberglass rod while pulling. Works on most competitive fiberglass fish tapes.
- Repairable; separate repair kits are available (see chart below).
- Maximum design strength 250 lbs.

FTF-50

Part #	Description	Kit	Weight
FTF-50	50' FiberLine™ w/o Kit ⅛" rod	no	.5 lb
FTFK-50	50' FiberLine™ with Kit ⅛" rod	yes	2.8 lbs
FTF-100	100' FiberLine™ w/o Kit ⅛" rod	no	2.8 lbs
FTFK-100	100' FiberLine™ with Kit ⅛" rod	yes	3 lbs
FTFK-150	150' FiberLine™ with Kit ⅛" rod	yes	3.5 lbs
FTF-200	200' FiberLine™ w/o Kit 3⁄16" rod	no	18 lbs
FTF-300	300' FiberLine™ w/o Kit 3⁄16" rod	no	22 lbs
FTRK-10	FiberLine™ Repair Kit ⅛" rod with Hand Puller	–	1 lb
FTRK-20	FiberLine™ Repair Kit 3⁄16" rod	–	1.3 lbs
FTP-10	FiberLine™ Hand Puller	–	.5 lb

FTFK-50



NYLO-FLEX™ NON-CONDUCTIVE NYLON FISH TAPE

Non-conductive fish tape – light and flexible.

- Designed for use in conduit with existing wires or cables.
- Glides through ½" to 4" conduit.
- High strength nylon tape tested at 300 lbs average tensile strength.
- Shatterproof reel is virtually indestructible; features no-slip form-fitting finger grips.
- Four viewing ports on reel tell how much tape remains.
- 6-inch spiral wound metal leader with pulling eyelet included (attached).
- Tape diameter is 3/16".

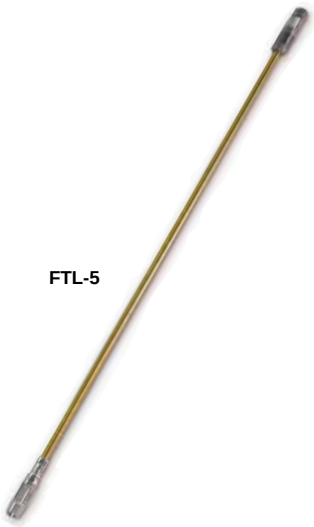
Part #	Description	Weight
NYD-50	50' Nylo-Flex™ Non-conductive Fish Tape Housing	1.2 lbs
NYD-100	100' Nylo-Flex™ Non-conductive Fish Tape Housing	2.2 lbs
JLP5	50' Non-conductive Replacement Tape (coil only)	1 lb
JLP10	100' Non-conductive Replacement Tape (coil only)	1.5 lbs

FISH TAPE BALL

Eye holds 7 #10, 12 #12 or 19 #14 bare wires.

- Attaches directly to most ⅛" x .0625" steel fish tapes.
- Maximum design strength 500 lbs.

Part #	Description	Weight
FTB-10	Fish Tape Ball	.06 lb

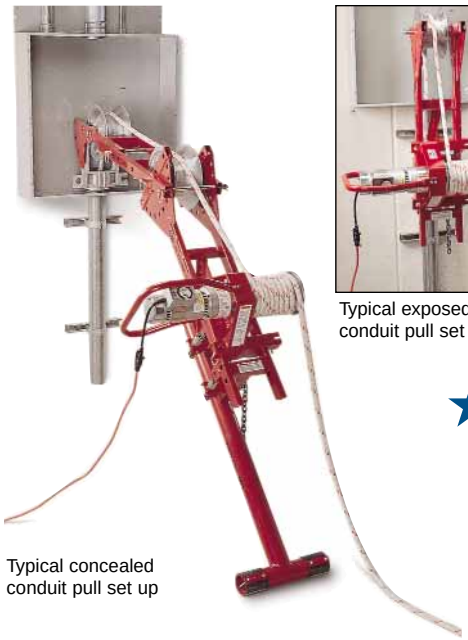


FISH TAPE LEADER

Multi-Flex™ is a flexible, non-kink, round metallic leader perfect for flat steel tapes.

- Choose either Multi-Flex™ or Spring Coil fish tape leaders.
- Double-sheathed to prevent unraveling. Brass plated for corrosion resistance.
- Spring Coil easily curves around bends, yet is rigid enough to smoothly fish through conduit with existing wire.
- High strength – tested at 400 lb tensile strength.
- Attaches directly to ⅛" tapes, adapts to fit ¼" tapes.

Part #	Description	Weight
FTL-5	Fish Tape Leader, Multi-Flex™	.5 lb
FTL-10	Fish Tape Leader, Spring Coil	.5 lb



Typical concealed conduit pull set up

Typical exposed conduit pull set up

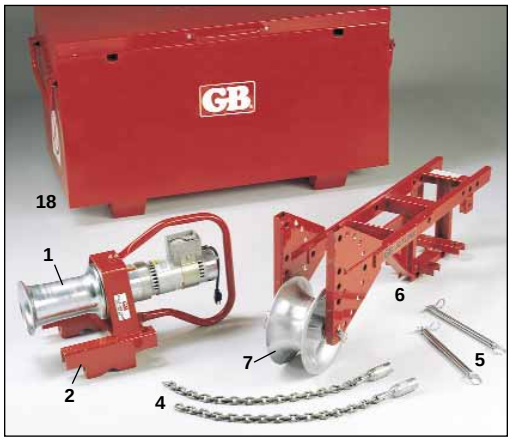
BRUTUS™ POWERED PULLER

Pulls up to 8,000 lbs.

- Exclusive planetary gear design lets powerhead deliver smooth, sure power without breakage.
- 30% more pulling force than competitors models.
- Versatile frame mounts power head almost anywhere.
- Frame assembles in numerous configurations.
- No chains or sprockets to break.
- Powerful 1½ hp motor starts under full load. Capstan is non-reversing with back stop brake. Will not reverse when power is shut off.
- Load read-out meter indicates pulling load at all times; alerts operator to hung-up cable or other excessive conditions.
- Two-way power head mounting adapts to tight corners.
- Pulls 10 feet/minute without buckling or bending.
- Tool-Gard™ heavy-duty metal case included.
- Min 15 A, Max 30 A.

Part #	Description	Weight
CP8000	Brutus™ Powered Puller for exposed or concealed conduit	355 lbs
CP8000D	Brutus™ Powered Puller for exposed conduit	235 lbs
CP8001	Brutus™ Powered Puller	160 lbs

CP8000



CP8000D

CP8000 INCLUDES:

Part #	Qty	Description	Weight	I.D. #
CP801	1	Power Head	60 lbs	**1**
CP802	1	Base Mounting Bracket	50 lbs	**2**
CP503	3	2' Chain Assembly	3 lbs	**4**
CP505	5	8" Lock Pins	7 lbs	**5**
CP601	1	Conduit Frame Adapter	55 lbs	**6**
S-8512	3	12" Sheave	7 lbs	**7**
CP622	3	10" Lock Pins	3 lbs	**8**
CP631	1	Boom Extension	18 lbs	**9**
CP701	1	Puller Base Extension	25 lbs	**10**
CP702	1	Coupling Clamp	8 lbs	**11**
CP703	1	Adjustable Pipe Adapter	22 lbs	**12**
CP706	1	3" Conduit Coupling	5 lbs	**13**
CP707	1	3½" Conduit Coupling	4 lbs	**14**
CP708	1	4" Conduit Coupling	3 lbs	**15**
CP709	1	6" Lock Pin	2 lbs	**16**
HS-8512	1	12" Cable Sheave with Hook	20 lbs	**17**
CM16	1	Metal Case with CM44 Casters	133 lbs	**18**

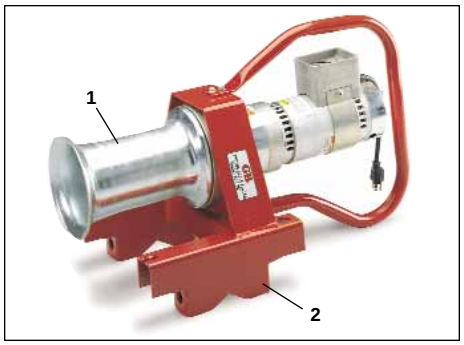
CP8000D INCLUDES:

Part #	Qty	Description	Weight	I.D. #
CP801	1	Power Head	60 lbs	**1**
CP802	1	Base Mounting Bracket	50 lbs	**2**
CP503	2	2' Chain Assembly	3 lbs	**4**
CP505	3	8" Lock Pins	7 lbs	**5**
CP601	1	Conduit Frame Adapter	55 lbs	**6**
S-8512	1	12" Sheave	7 lbs	**7**
CM16	1	Metal Case with CM44 Casters	133 lbs	**18**

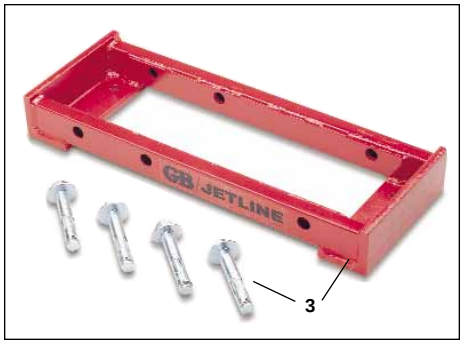
CP8001 INCLUDES:

Part #	Qty	Description	Weight	I.D. #
CP801	1	Power Head	60 lbs	**1**
CP802	1	Base Mounting Bracket	50 lbs	**2**
CP80*	1	Floor Mount Kit (on following page)	33 lbs	**3**

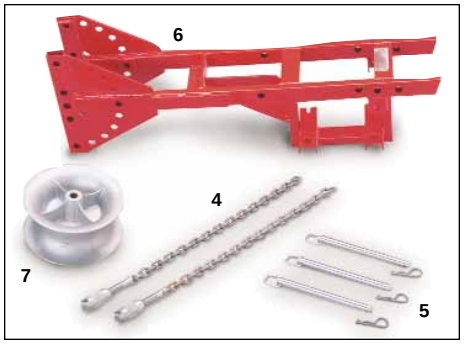
*Complete with 4¾" x 5½" concrete wedge anchors.



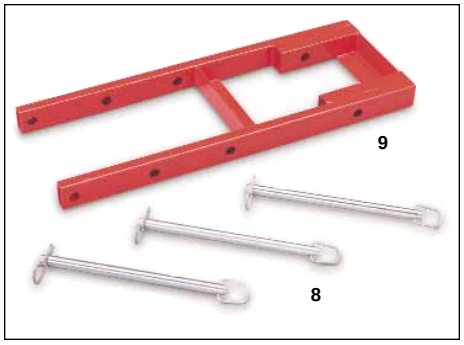
CP800



CP80



CP600



CP630

CP700

BRUTUS™ POWERED PULLER SUB-ASSEMBLY KITS

May be purchased as additions to existing cable puller sets.

Part #	Description	Weight	Part #	Qty	Description	Weight	I.D. #
CP800	Power Assembly	110 lbs	CP801	1	Power Head	60 lbs	**1**
			CP802	1	Base Mounting Bracket	50 lbs	**2**
CP80*	Floor Mount Kit	33 lbs	CP80	1	Floor Mount w/ Anchors	65 lbs	**3**
CP600	Conduit Frame & Sheave Adapter Assembly	72 lbs	CP503	2	2' Chain Assembly	3 lbs	**4**
			CP505	3	8" Lock Pins	7 lbs	**5**
			CP601	1	Conduit Frame Adapter	55 lbs	**6**
			S-8512	1	12" Sheave	7 lbs	**7**
CP630	Boom Extension Kit	22 lbs	CP622	3	10" Lock Pins	3 lbs	**8**
			CP631	1	Boom Extension	18 lbs	**9**
CP700	Puller Base Extension Kit	94 lbs	CP503	1	2' Chain Assembly	3 lbs	**10**
			CP505	2	8" Lock Pins	7 lbs	**11**
			S-8512	1	12" Sheave	7 lbs	**12**
			CP701	1	Puller Base Extension	25 lbs	**13**
			CP702	1	Coupling Clam	8 lbs	**14**
			CP703	1	Adjustable Pipe Adapter	22 lbs	**15**
			CP706	1	3" Conduit Coupling	5 lbs	**16**
			CP707	1	3½" Conduit Coupling	4 lbs	**17**
			CP708	1	4" Conduit Coupling	3 lbs	**18**

*Complete with 4¾" x 5½" concrete wedge anchors.

OPTIONAL EQUIPMENT

• May be purchased as additions to existing cable puller sets.

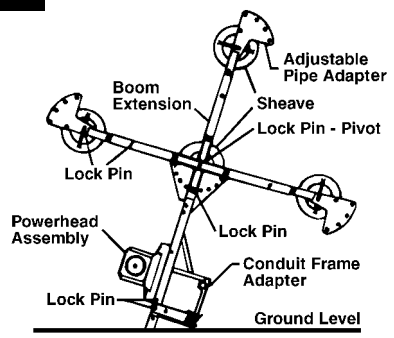
Part #	Description	Weight	I.D. #
CP709	6" Lock Pin	2 lbs	**1**
CP1002	Rope Steel Stand (For 300' Rope)	12 lbs	**2**
HS-8512	12" Cable Sheave with Hook	20 lbs	**3**
CM16	Metal Case with CM 44 Casters	133 lbs	–
RST-7530	Double Braided Rope (¾" x 300' spool)	54 lbs	–
RST-7560	Double Braided Rope (¾" x 600' spool)	109 lbs	–
CP10	Load Readout (meter only CA1064001)	3 lbs	**4**
CP15	Foot Switch for Remote Operation	4 lbs	**5**
CP504	6' Chain Assembly	6 lbs	**6**
CP704	2" Conduit Coupling	7 lbs	**7**
CP705	2½" Conduit Coupling	6 lbs	**8**
CP806	Capstan (standard) 10'/min.	7 lbs	–
CP807	Capstan (large diameter) 12'/min.	11 lbs	**9**

SEE PAGE 85
for info on Rope

SEE PAGE 134
for info on Metal Cases

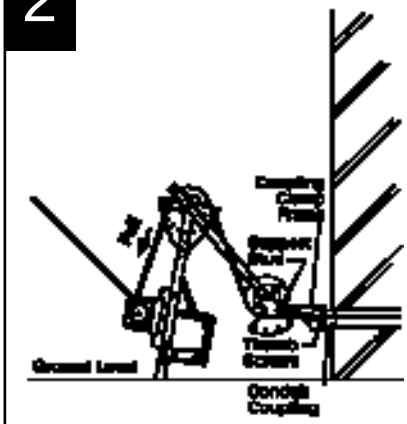
For maximum performance and safety, use only original GB rope.

1



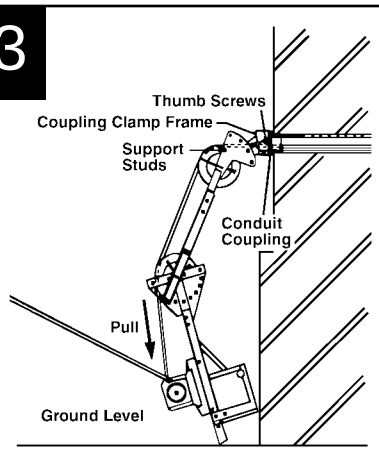
Different positions

2



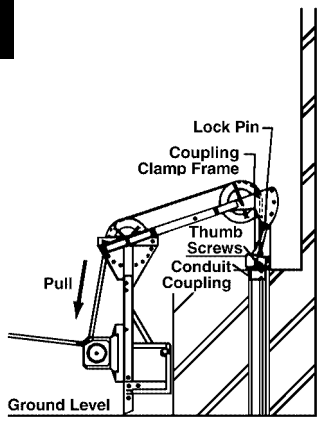
Pulling horizontally

3



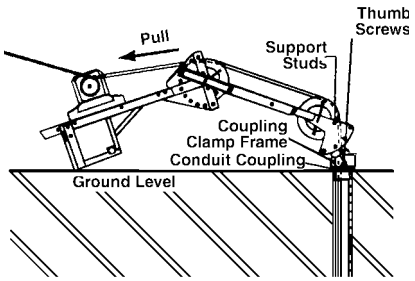
Puller suspended using horizontal pull

4



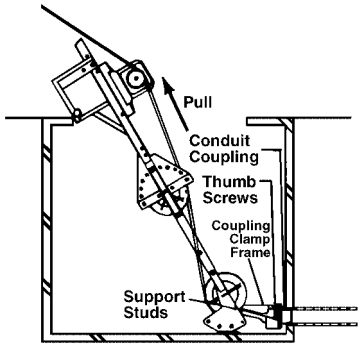
Puller suspended using vertical pull

5



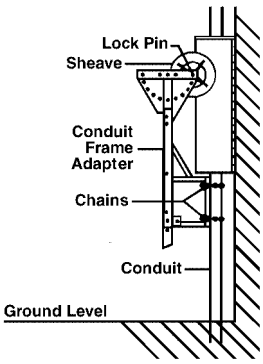
Vertical - pulling up

6



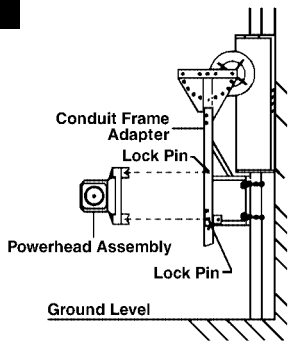
Underground pulling

7



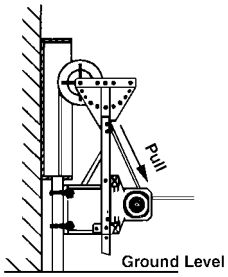
Conduit frame adapter with sheave chained to exposed conduit

8



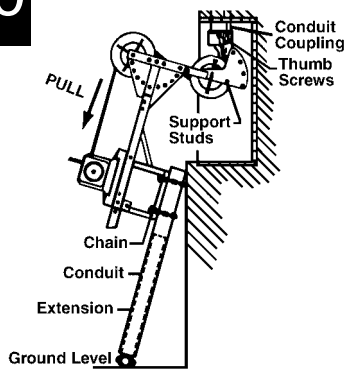
Power head assembly being attached to conduit frame adapter using two lock pins

9



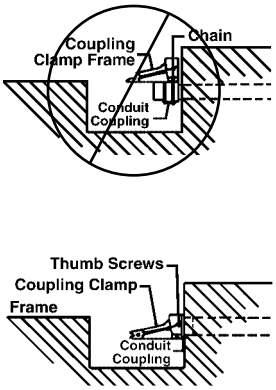
Pulling up cable with conduit frame adapter chained to exposed conduit – mounted flush

10



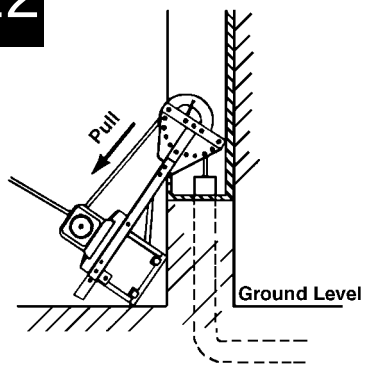
Conduit frame adapter chained to conduit (over the extension resting on floor) pulling down

11



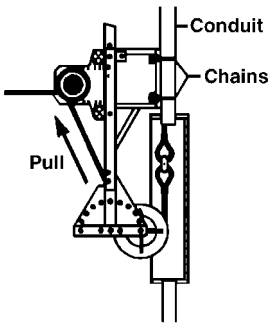
Coupling threaded onto conduit. Coupling clamp locked to coupling with two thumb screws

12



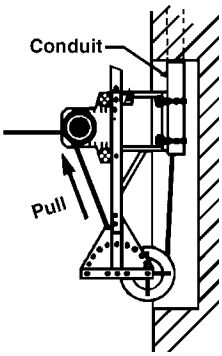
Conduit frame adapter resting on floor and on back of box – pulling up

13



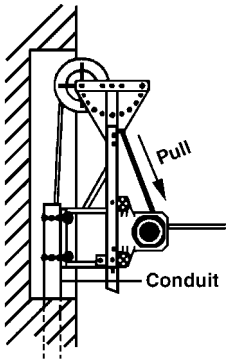
Conduit frame adapter chained to exposed conduit – pulling down

14



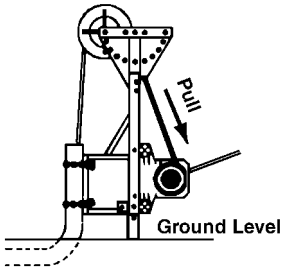
Downward pull – conduit frame adapter chained to conduit extension

15



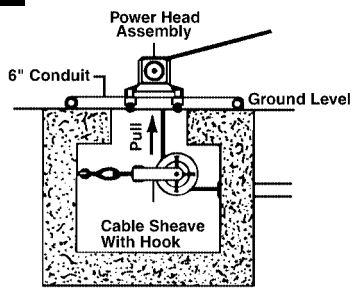
Upward pull – conduit frame adapter chained to conduit extension

16



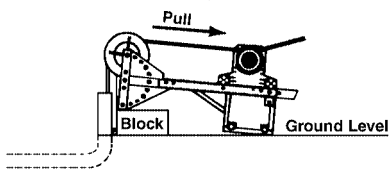
Conduit frame adapter chained to conduit – pulling up

17



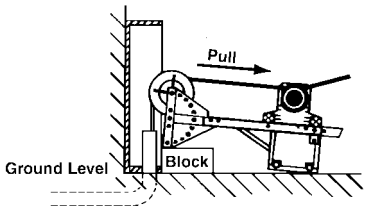
Power head assembly chained to 6" conduit with two 90° bends pulling from underground conduit using cable sheave with hook

18



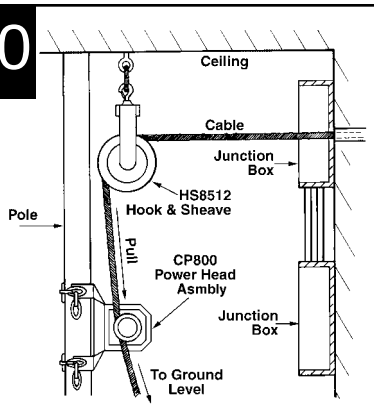
Resting conduit frame adapter on floor over conduit and pulling up

19



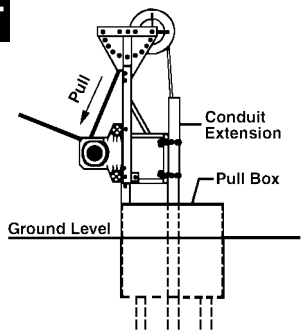
Resting conduit frame adapter on floor and blocks over conduit and pulling up

20



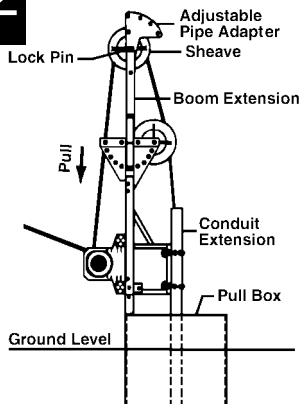
Pulling additional cable from junction box (1) down to junction box (2) using cable sheave with hook and power head assembly chained to pole

21



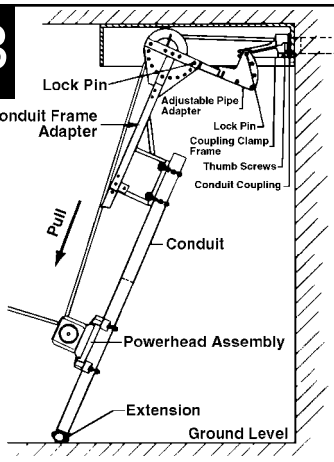
Conduit frame adapter chained to conduit extension in pull box – pulling vertically from underground

22



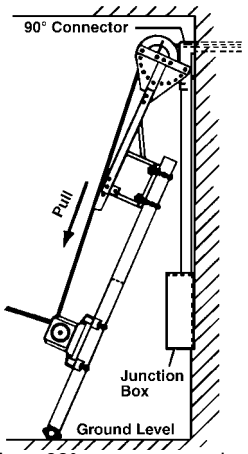
Use boom extension to obtain extra cable length for splicing

23



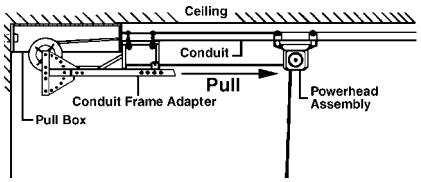
Conduit frame adapter and power head assembly chained to conduit (over extension) pulling down from box on ceiling

24



Pulling from 90° connector to obtain leads long enough to complete connection in junction box

25



Conduit frame adapter and power head assembly chained separately to conduit, pulling from a ceiling pull box for additional cable

HS-8512 HS-8518 HS-8524

HOOK SHEAVES

Suspends cable overhead and reduces strain on pulling equipment.

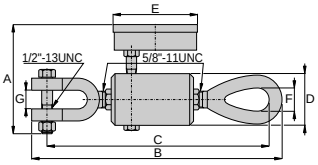
- Keeps cable together for easier manageability and enables direction of cable to be changed.
- Sheave made of rugged aluminum alloy. Hook frame made of welded steel.
- Rated at 8,000 lb capacity.

Part #	Description	Width	Dia.	Weight	Hook Only	Weight	Sheave Only	Weight
HS-8512	Hook Sheave	5"	12"	20 lbs	H-8512	13 lbs	S-8512	7 lbs
HS-8518	Hook Sheave	5"	18"	30 lbs	H-8518	20 lbs	S-8518	10 lbs
HS-8524	Hook Sheave	5"	24"	43 lbs	H-8524	29 lbs	S-8524	14 lbs

WIRE & CABLE PULLING TENSION METER

Monitors tension throughout the pull to prevent over-stressing cable. Perfect for use with powered pullers.

- Self-contained hydraulically-operated meter measures in 200 lb increments up to 10,000 lbs maximum capacity.
- Maximum-indicating pointer helps read pre-selected loads.
- ± 2% accuracy.
- Comes with certificate of calibration.
- Minimum Reading 1,000 lbs; Increments 200 lbs.



Part #	Description	Capacity	A	B	C	D	E	F	G	Weight
TM5	Tension Meter	10,000 lbs	4.75"	9.75"	9.29"	2.00"	3.69"	.88"	.75"	9 lbs

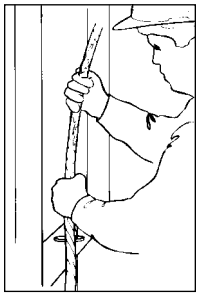
79-006 79-003 79-002

WIRE-AIDE™ WIRE PULLING LUBRICANT

Slides on smoothly and clings throughout the pull. Modified wax base formula dries to a slippery film.

- Greaseless, non-toxic compound will not stain skin, clothing or construction trim; cleans up quickly with soap and water.
- Stable and safe to use. Withstands normal temperature extremes and will not dry out in the container. Non-combustible, non-conductive and non-corrosive.
- Will not damage conduit or insulation.
- Remains stable with multiple freeze-thaw cycles.
- Suitable for fiber optic wire.

Part #	Container Size	Weight
79-006	1 qt. Squeeze Bottle	2 lbs
79-002	1 gal. Pail	9 lbs
79-003	5 gal. Pail	42 lbs



Wire-Aide™ Specifications	
Base	Wax, modified
Color	Yellow
Viscosity	Heavy cream-like paste
pH	Approx. 6.5 - 7.0
Freezing Point	28° F
Freeze-Thaw Stability	OK/3 cycles
Lubricity	Excellent
Shelf Life	Indefinite
Corrosion Test	Non-corrosive to metals
Staining Properties	Non-staining to hard surfaces
Removal	Hot soap and water
Abrasion Protection	Excellent
Cling Ability	Excellent
Water Resistance	Repels water to some extent
Hardening Charac.	Non-hardening
Condition on Drying	Waxy-film
Flash Point	Non-combustible

79-201 79-203 79-202

POLY-GEL™ CABLE PULLING LUBRICANT

Perfect for all types of insulation and conduit, including fiber optic cable, cable with low-density, linear low-density polyethylene, polyurethane and semi-conducting jackets

- Clean, clear gel, water-based for easy cleanup. Non-staining and non-toxic.
- Dries to a clear, non-conductive film for easy handling, stripping and terminating of cable. Will not gum-up or harden on conduit.
- Easy and versatile to use. Apply manually or with pump.
- Workable over wide temperature range:
  - Poly-Gel™ +28° to +200°F
  - All Season Poly-Gel™ -10°F to +180°F

Part #	Description	Container Size	Weight
79-201	Poly-Gel™	1 qt. Squeeze Bottle	2.5 lbs
79-202	Poly-Gel™	1 gal. Pail	8.75 lbs
79-203	Poly-Gel™	5 gal. Pail	42 lbs
79-301	All Season Poly-Gel™	1 qt. Squeeze Bottle	2.5 lbs
79-302	All Season Poly-Gel™	1 gal. Pail	8.75 lbs

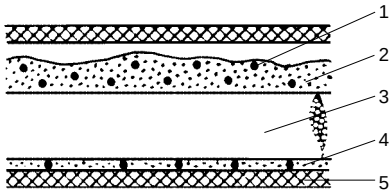
Poly-Gel™ Specifications	
Base	Poly-oxyethylene/Water
Color	Blue
Viscosity	Thick Clear Gel
pH	7.2 - 8.2
Freezing Point	28°F
Freeze-Thaw Stability	Excellent
Lubricity	Excellent
Shelf Life	Indefinite
Corrosion Test	Non-corrosive
Staining Properties	Non-staining
Removal	Soap and water
Cling Ability	Excellent
Condition on Drying	Semi-fluid film
Flash Point	Non-combustible

All Season Poly-Gel™ Specifications	
Base	Polyethylene polymer
Color	Lime Green
Viscosity	Heavy gel-like paste
pH	Approx. 6.5 - 7.5
Freezing Point	-10°F
Freeze-Thaw Stability	OK/3 cycles
Lubricity	Excellent
Shelf Life	Indefinite
Corrosion Test	Non-corrosive to metals
Staining Properties	Non-staining to hard surfaces
Removal	Soap and Water
Cling Ability	Excellent
Condition on Drying	Lubricious film
Flash Point	Non-combustible

SUPER-SLICK™ CABLE PULLING LUBRICANT

Exclusive GB Micro Bead Formula rolls cable through the longest pulls.

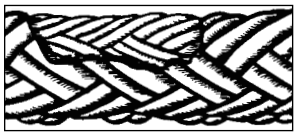
- Lowest pulling tension. This GB lubricant innovation combines a lubricating agent with microbeads that act as miniature ball bearings to raise the cable off the conduit surface. Cable literally rolls through the run, reducing friction by an additional 30% compared to regular lubricants.
- Adheres throughout long pulls. Creates a slick film that will not rub off or dry out on long pulls or re-pulls.
- Requires up to 45% less lubricant per foot than regular lubricants, actually reducing cable-pulling costs.
- Stable under temperature extremes of 28° to 200°F and withstands repeated freeze-thaw cycles.
- Harmless to skin and safe for the environment. Non-toxic, non-flammable and non-corrosive to all conduit types. Easily cleans up with water and will not stain clothing.
- Universally compatible with all cable types and jacket materials, including low-density and linear low density polyethylene, polyurethane and semi-conducting jackets.



1. Micro Beads
2. Shear-sensitive carrying agent with suspended lubricating oil
3. Cable
4. Thin film of lubricating oil
5. Conduit wall

Part #	Container Size	Weight
79-401	1 qt. Squeeze Bottle	2.5 lbs
79-402	1 gal. Jug	8.75 lbs
79-403	5 gal. Pail	42 lbs

Super Slick™ Specifications	
Base	Water
Color	White
Viscosity	2100 cps@ 50 rpm
pH	6.0 - 8.0
Freezing Point	30.2°F
Freeze-Thaw Stability	Excellent
Lubricity	Excellent
Shelf Life	Indefinite
Staining Properties	Non-staining
Removal	Water Rinse
Abrasion Protection	Excellent
Cling Ability	Excellent
Hardening Charac.	Non-Hardening
Condition on Drying	Slick Film
Flash Point	Non-Combustible



Super Tuff-Pull™ is constructed of a jacket braided over a braided core. Double braided construction entirely shields one of the two ropes from abrasion.

SUPER TUFF-PULL™ DOUBLE BRAIDED ROPE

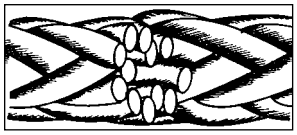
The toughest, strongest pulling rope available. Double-braided 100% polyester construction, delivers the highest working loads and tensile strength at every diameter.

- Super abrasion resistance for longer life.
- Low stretch, high strength characteristics result from exclusive manufacturing process which carefully controls yarn tension during braiding. Torque-free, non-rotating, non-kinking performance due to double-braided construction for ease of handling — wet or dry.
- Weather resistant. Will not rot or mildew.
- The ¾" diameter rope includes a factory-spliced eye on both ends.

Part #	Size	Working Load*	Weight
RST-5030	½" x 300'	3,500 lbs	30 lbs
RST-5060	½" x 600'	3,500 lbs	61 lbs
RST-5660	9/16" x 600'	5,000 lbs	73 lbs
RST-7530**	¾" x 300'	8,000 lbs	54 lbs
RST-7560**	¾" x 600'	8,000 lbs	109 lbs
RST-75120**	¾" x 1200'	8,000 lbs	218 lbs

* Working loads are based on use with GB Cable Pullers and for the purpose of pulling wire through conduit.

** Preferred for Brutus™ 8,000 lb Cable Puller.



Tuff-Pull™ is constructed of 12 strands of polyfibers braided over and under each other in a circular direction.

TUFF-PULL™ SINGLE BRAIDED ROPE

Toughest, strongest single-braided rope available. Constructed of 12 strands of 100% polyester fibers braided over and under each other in a circular pattern.

- Non-rotating, non-kinking performance due to braided construction (unlike ordinary twisted rope) makes handling easy.
- Low stretch, high strength characteristics result from tension-controlled braiding process.
- Weather-resistant. Will not rot or mildew.
- The ¾" diameter rope includes a factory-spliced eye on both ends.

Part #	Size	Working Load*	Weight
RTP-3830	⅜" x 300'	1125 lbs	14 lbs
RTP-3860	⅜" x 600'	1125 lbs	31 lbs
RTP-5030	½" x 300'	2125 lbs	21 lbs
RTP-7530	¾" x 300'	4500 lbs	58 lbs

*Working loads are based on use with GB Cable Pullers and for the purpose of pulling wire through conduit.

tip:

Vary rope application. Reverse the rope, end-for-end. Alternate the lay of the rope around capstan and sheaves.

Store rope in clean dry area, preferably on well ventilated racks.

Keep rope away from chemical contact or fumes.

Avoid exposing rope to extreme heat, in excess of 140°.

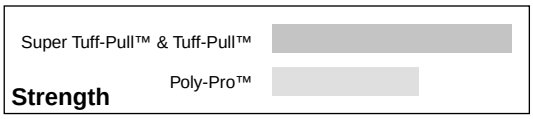
PULLING ROPE SELECTION & USAGE

ROPE SELECTION

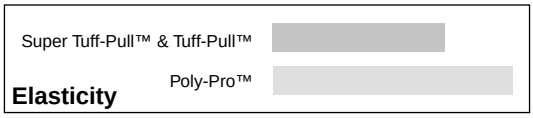
1. Select the proper rope for the job.

CAUTION: Always choose a strong, durable rope with limited elasticity and long service life. The material, tensile strength and recommended working load are critical factors.

a. Working Load Rating represents the maximum pulling load to which the rope should be subjected. It increases with rope diameter and is calculated for rope in good condition with appropriate splices under normal service. *Note: Working load guidelines are void under conditions of rapid or sudden load changes.*



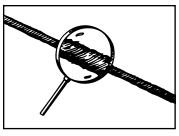
b. Tensile Strength is the average breaking point of new, unused rope. It gives some indication of the rope's ability to withstand sudden or shock loads. Tensile strength decreases over time as the rope is used and should *not* be relied upon as an indication of working strength.



Polyester ropes such as Tuff-Pull™ and Super Tuff-Pull™ are preferred for cable pulling because of their low elasticity, high strength and endurance.

2. Inspect the rope thoroughly before each use.

CAUTION: Avoid using rope that shows signs of wear, such as frayed ends, broken yarns or pulled strands.

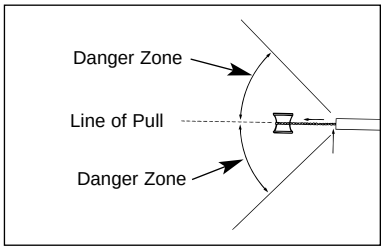


ROPE USAGE

1. Always check all fittings, splices, connectors, etc. before using rope.

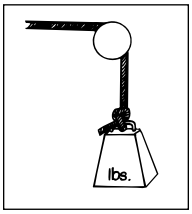
2. Do not stand directly in line with rope under tension.

WARNING: All synthetic rope under load will recoil if it, or a fitting (chain, hook, bolt, etc.) fails. The snap-back action will propel the rope - and any still attached metal fittings – at high speed. Serious injury to persons or property in the vicinity is possible.



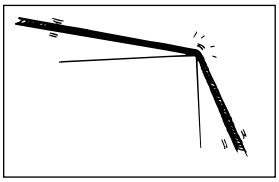
3. Do not overload the rope.

CAUTION: Handle loads slowly and smoothly to avoid sudden strains or shock loads which can exceed the ropes breaking strength. Such dynamic loading occurs when a load is picked up, stopped, moved or swung, and may subject the rope to two or three times its normal working load.



4. Avoid abrasive conditions.

CAUTION: Rough surfaces and sharp edges can severely damage rope. Do not pull rope over sharp bends or angles. Make sure chocks, capstans, sheaves and pulleys are free of burrs and rust and rotate freely. Keep rope surface clean. Do not drag it over rough ground; dirt and grit will work into and cut inner fibers.



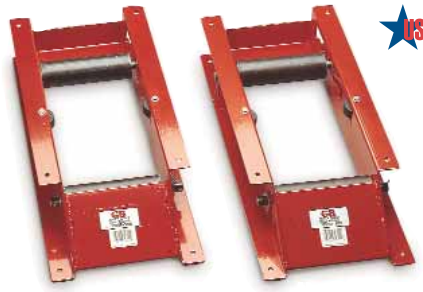
POLY-PRO™ GENERAL PURPOSE ROPE

Strong, durable, lightweight polypropylene general purpose rope for manual wire pulling and general construction applications (barrier rope, tie downs, tow rope, etc.).

- Resistant to mildew, rot and chemical action.

Part #	Size	Working Load*	Weight
RGP-2525	¼" x 250'	113 lbs	4 lbs
RGP-2560	¼" x 600'	113 lbs	9 lbs
RGP-25100	¼" x 1000'	113 lbs	17 lbs
RGP-3825	⅜" x 250'	270 lbs	10 lbs
RGP-3860	⅜" x 600'	270 lbs	23 lbs
RGP-38120	⅜" x 1200'	270 lbs	44 lbs
RGP-5025	½" x 250'	420 lbs	18 lbs
RGP-5060	½" x 600'	420 lbs	37 lbs
RGP-50120	½" x 1200'	420 lbs	66 lbs
RGP-7530	¾" x 300'	1100 lbs	44 lbs
RGP-7560	¾" x 600'	1100 lbs	81 lbs

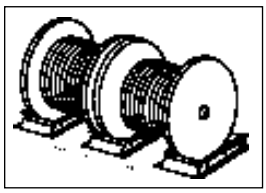
WARNING: Not recommended for powered cable pulling.



HANDY-SAVER™ REEL ROLLER

Durable roller base that permits fast, easy loading and re-loading.

- 3000 lb capacity per pair.
- Slanted ramp permits fast, easy loading and unloading.
- Five roller slot adjustments set for wide range of reel diameters; no limit on reel widths.
- Epoxy coated solid steel platform withstands heavy use.
- For 15" to 30" diameter reels.
- Dimensions: 26"L x 11¼"W x 4½"H.

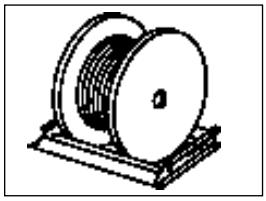


Part #	Description	Weight
WRR-100	Handy Saver™ Reel Roller (1 ea.)	48 lbs
WRR100259	Side Roller	1 lb
WRR1002513	Cotter Pin	.5 lb

30" REEL ROLLER

Holds reels up to 30" wide; 2000 lb capacity.

- Five roller slot adjustments to fit reel diameter.
- Epoxy-coated solid steel platform with handy loading/unloading ramp.
- Dimensions: 33½"L x 26½"W x 4½"H.



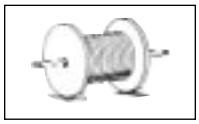
Part #	Description	Weight
WRR-300	30" Reel Roller	50 lbs
WRR100259	Side Roller	1 lb
WRR1002513	Cotter Pin	.5 lb

TELESCOPING REEL JACKS

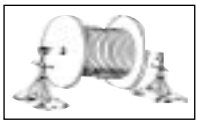
Easily sets up in minutes to dispense or take up wire, cable, rope or hose.

- Adjustable jack height accommodates various reel sizes.
- Roller bearings on jack permit smooth reel rotation.
- High-strength steel construction holds up to 5000 lb reel.

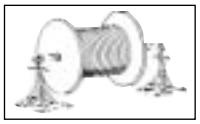
Part #	Dimensions	Jack Height Range	Reel Capacity Size	Weight	Weight
TRJ-56	14½"L x 15"W	13" to 28"	28" to 56"	2500 lbs. (ea.)	25 lbs
TRJ-96	24"L x 16"W	22" to 54"	46" to 96"	2500 lbs. (ea.)	49 lbs



Insert spindle through center of reel.



Place reel jacks under each end of spindle, aligning roller bearings with spindle grooves, and raise one jack until reel end clears floor.



Raise opposite jack until spindle is level.

HAND CADDY

Convenient hand carrying or dispensing of small quantities of reeled wire.

- Rugged construction from ⅝", .083 steel tubing, epoxy coated to reduce chipping and peeling.
- Holds up to eight reels, each 7" diameter by 5" wide, or four reels, each 7" diameter by 6" to 10" wide.

Part #	Description	Dimensions	Weight
WSP-100E	Hand Caddy	22½" L x 13½" W x 9½" H	6 lbs

WSP-115

PORTABLE WIRE CADDY

Maximum flexibility to dispense six 500' spools of #6 to #10 AWG or twelve 7" diameter by 5" wide wire reels at the same time.

- Durable welded square-tube steel frame to stand up to tough job-site applications.
- WSP-115 model comes with wire guide and casters.

Part #	Description	Dimensions	Weight
WSP-115	Wire Caddy with Casters	16"L x 26"W x 20½"H	8 lbs
WSP-116	Wire Caddy w/ out Casters	16"L x 26"W x 17½"H	10 lbs

WSP-116

WSP-140 Unassembled

WSP-140 Assembled

SPOOL CADDY CART

Transport and dispense reels of building wire, coaxial and multi-conductor cables.

- Hand Caddy WSP-100E is included. The caddy is easily attached to and detached from cart for maximum capacity and flexibility.
- Constructed of heavy duty, steel tubing holds up to 300 lbs.
- Semi-pneumatic steel wheels are much more durable than plastic wheels.
- Special patented channel allows up to two hand caddies to attach to cart.

Part #	Description	Dimensions	Weight
WSP-140	Spool Caddy w/ WSP-100E	22"L x 16"W x 43"H	27 lbs
WSP-144253	Replacement Wheels	–	5 lbs
WSP-144050	Replacement Bars	–	1.5 lbs

WSP-144

DELUXE SPOOL CADDY CART & CADDY COMBO

WSP-145 combines Deluxe Spool Cart (WSP-144) and Hand Caddy (WSP-100) for maximum capacity and flexibility in storing and transporting wire reels.

- Hand Caddy is easily attached to and detached from cart using special, patented channel.
- Holds up to 23 500' spools or two 2500' spools.
- Constructed of heavy-duty steel tubing holds up to 400 lbs. Durable semi-pneumatic wheels.
- WSP-144 offers five spool holders that attach in six positions to hold reel/spool combinations:
  - Ten - 23 reels, each 5" - 7" diameter and 5" - 10" wide
  - Four reels, each 10" - 12" diameter, 7" wide
  - Two reels, each 15" - 18" diameter, 14" wide

Part #	Description	Dimensions	Weight
WSP-144	Deluxe Spool Caddy	22"L x 18½"W x 43"H	28 lbs
WSP-145	Deluxe Spool Caddy Combo	22"L x 18½"W x 43"H	34 lbs
WSP144253	Replacement Wheels	–	5 lbs
WSP144254	Axle Caps	–	.5 lb
WSP144050	Replacement Bars	–	1.5 lbs

WSP-145

WSP-150

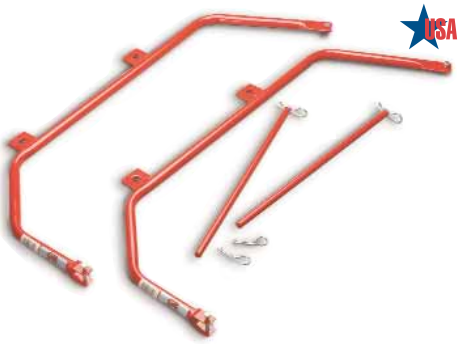
WSP-155

HEAVY-DUTY CADDY CART & CADDY COMBO

WSP-155 combines Heavy-duty Spool Cart (WSP-150) and Heavy-duty Caddy Expander (WSP-50) for storing and transporting up to 21 500' spools or four 2,500' spools.

- Constructed of heavy-duty steel tubing, holds up to 700 lbs.
- Shock-absorbing, semi-pneumatic wheels mounted on ball bearing steel rims with easy-service grease fittings.
- Dispenses THHN, THW, Romex® and other materials from horizontal or vertical position.
- Two wire guide feeders permit wire feed in any direction.
- WSP-150 has a versatile carrying capacity. Holds four reels each 10" diameter x 15" wide, or three reels, each 12" - 14" diameter, or two reels each 12" - 15" diameter x 15" wide, or one 24" diameter reel 15" wide.

Part #	Description	Dimensions	Weight
WSP-150	Heavy-duty Spool Caddy	22"L x 18½"W x 45"H	60 lbs
WSP-155	Heavy-duty Caddy Combo	22"L x 18½"W x 45"H	73 lbs
WSP1502521	Replacement Wheels	–	5 lbs
WSP1502517	Replacement Bars	–	4 lbs



HEAVY-DUTY CADDY EXPANDER FOR WSP-150 HEAVY-DUTY CART

Increases capacity of WSP-150 Heavy-duty Spool Caddy Cart by 50%; two reels, each 10" diameter x 15" wide, two reels, each 12" - 15" diameter x 15" wide, or one reel 20" - 24" diameter by 15" wide.

- Easily bolts to front of WSP-150.

Part #	Description	Dimensions	Weight
WSP-50	Heavy-duty Caddy Expander	22" L x 15¼" W x 41½" H	13 lbs

WIRE DISPENSER

Capacity to handle ten 2500' spools up to 18" diameter.

- Swivels a full 360° on the base.
- All-steel construction.
- Base has two fixed and two swivel locking casters.
- Spindles are mounted at an angle to keep wire reels in proper payout position.
- Easily rolls through standard 36" door opening.

Part #	Description	Dimensions	Weight
WCM-10	Wire Dispenser	36 3/8"L x 31 3/8"W x 59 1/4"H	155 lbs

WIRE CADDY REPLACEMENT PARTS

- Replacement parts for Gardner Bender wire caddies.

Part #	Description	For Wire Cart:	Qty	Weight
WSP144050	Spool Caddy Bars 18"L	WSP-144, WSP140	5	1.5 lbs
WSP144010	Hex Head Bolt	WSP-144	2	.5 lb
WSP144251	R-Clips	All Caddies	10	.5 lb
WSP144253	Wheels	WSP-144	2	5 lbs
WSP144254	Axle Caps	WSP-144	2	.5 lb
WSP1502517	Spool Caddy Bars 20"L	WSP-150, WSP-155	4	4 lbs
WSP1502521	Wheels	WSP-150	2	5 lbs
WRR100259	Side Roller	WRR-100, WRR-300	2	1 lb
WRR1002513	Cotter Pin	WRR-100, WRR-300	4	.5 lb

HI-HOIST LIFT

Turn two-man jobs into one-man jobs. Telescoping hoist adjusts interchangeable cradle arms to hold flat or round objects of up to 100 lbs at heights from 6'4" - 13'. Use to speed installation of conduit, piping, ductwork or lighting fixtures.

- Safety features for a positive hold include high-strength aircraft-grade lifting cable, safety-latch ratchet and safety-lock “U” pins.
- Completely portable. Wheels through standard door openings; quickly disassembles into three sections.

Part #	Description	Weight
HH113	Hi-Hoist Lift	71 lbs

Caution: Maximum load 100 lbs.

MULTI-PURPOSE WIRE CART

Large capacity, holds either six 2500' or 15 x 500' spools of wire.

- Spindles can be stored in frame.
- Heavy-duty construction.
- 8" wheels for easy mobility.
- Built-in wire guide for horizontal dispensing.

Part #	Description	Weight
E-255	Multi-purpose Wire Cart	45 lbs

6 REEL WIRE CART

Accepts 2500' reels up to 18" diameter.

- Equipped with 4" casters with brake (two rigid, two swivel with brake).
- Spindle design has automatic brake.
- Guide head gathers wires with grommets to prevent scuffing and kinking.
- Fits through 32" doorways.

Part #	Description	Weight
E-250	6 Reel Wire Cart	82 lbs

PORTABLE WIRE DISPENSER

- Unique patented design makes carrying boxed or coiled wire easy. Dispenser spins wire straight and flat.
- Adjustable flexible legs fit all sizes of wire coils or boxes.
- Stores coils up to 50 lbs or 250' Romex®.

Part #	Description	Dimensions	Weight
740	Portable Wire Dispenser	17 5/8" Dia; 13 1/2"H	4 lbs

PORTABLE PIPE RACKS

- Stores up to 1000 lbs.
- Optional casters.
- High strength square tube.

Part #	Description	Dimensions	Weight
E-263	Portable Pipe Rack	56" x 34" x 66"	171 lbs

WIRE STRIPPER COMPARISON:

Part #	Spring Action Return	Pliers Nose	Loop Hole	Deluxe Cushion Grip	Locking Handle	Wire Stripping Range	#30	#28	#26	#24	#22	#20	#18	#16	#14	#12	#10	#8	#6
GS-30			●			#10 - #24				Solid or Stranded									
GS-40	●		●		●	#10 - #24				Solid or Stranded									
GS-45	●			●	●	#12 - #24				Solid or Stranded									
GS-55	●	●	●			#10 - #20						Solid or Stranded							
GSD-55	●	●	●	●	●	#10 - #20						Solid or Stranded							
GS-60	●	●	●		●	#10 - #20						Solid or Stranded							
GS-61	●	●	●	●		#16 - #30		Solid or Stranded											

GS-30

GS-40

GS-45

MILWAUKEE CLIPPER™ STRIPPERS

Strips solid or stranded wire.

- Compact tool adjusts quickly to any of eight wire sizes.
- Hardened spring steel provides strength and durability.
- Looping hole bends and loops wire for termination on screws.
- Vinyl grips for added comfort.
- GS-40 & GS-45 includes spring return for easy handling.

Part #	Description	Wire Gauge	Length
GS-30	Milwaukee Clipper™ Stripper	#10 - #24 AWG	5"
GS-40	Milwaukee Clipper™ Stripper	#10 - #24 AWG	5"
GS-45	Streamline Clipper™ Stripper w/ Spring	#12 - #24 AWG	6"

GS-55

GSD-55

NEW

GS-61

WIRE STRIPPERS

Strips solid or stranded wire.

- Highly visible wire gauge numbers are embossed and painted.
- Pliers nose and curved cutting blade aid in pulling and cutting wire.
- Power spring return reduces hand fatigue.
- Curved handles for added comfort.
- Air pocket cushion grips available on GSD-55 and GS-61.
- Looping hole forms wire to fit on screw terminal.

Part #	Description	Wire Gauge	Length
GS-55	Stripper	#10 - #20 AWG	6¼"
GSD-55	Deluxe Stripper	#10 - #20 AWG	6¼"
GS-61	Small Gauge Stripper	#16 - #30 AWG	6¼"

WIRE STRIPPER WITH LOCK

Strips solid or stranded wire.

- Highly visible, laser etched markings.
- Power spring return reduces hand fatigue.
- Lock for compact storage.
- Curved handles with air pocket cushion grips for added comfort.
- Pliers nose and curved cutting blade aid in pulling and cutting wire.
- Looping hole forms wire to fit on screw terminals.

Part #	Description	Wire Gauge	Length
GS-60	Stripper with lock	#10 - #20 AWG	6"

TOP LOAD AUTOMATIC WIRE STRIPPER

Strips solid or stranded wire.

- One-squeeze cutting and stripping action.
- Adjustable strip length up to ½".
- Auto spring return reduces hand fatigue.
- Not designed to strip THHN wire.

Part #	Description	Wire Gauge	Length
SE-96	Automatic Wire Stripper	#10 - #20 AWG	6¾"

SE-92

STRIP-EASY™ STRIPPER

Strips solid or stranded wire.

- Strips wires clean with one easy squeeze, up to a full ⅞".
- Blades cut insulation without nicking conductor. Jaws open automatically to remove wire without crushing ends.
- AWG size clearly marked at each cutting hole.
- Comfortable no-slip plastic handles.

Part #	Description	Wire Gauge	Length
SED-102	Strip-Easy™ Stripper	#10 - #22 AWG	6½"
SE-92	Automatic Wire Stripper	#8 - #22 AWG	8"

AUTOMATIC STRIPPER & CRIMPER

Strips solid or stranded wire.

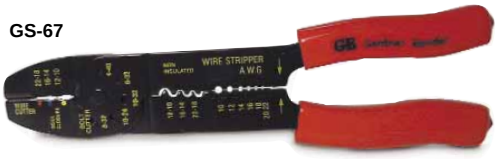
- Automatic jaw-loaded wire stripper self-adjusts to strip wire.
- Crimps insulated, non-insulated and ignition terminals.
- Metric and AWG.

Part #	Description	Wire Gauge	Length
SE-94	Automatic Wire Stripper	#10 - #26 AWG	8"

MULTI-TOOL COMPARISON:

Part #	Spring Action Return	Pliers Nose	Loop Hole	Deluxe Cushion Grip	Locking Handle	Cutter Blade	Cuts & Rethreads Bolts	Crimps Insulated Terminals	Crimps Non-insulated Terminals	Copper & Steel Crimp Sleeves	Coaxial Connectors	Wire Stripping Range	#30	#28	#26	#24	#22	#20	#18	#16	#14	#12	#10	#8	#6
GS-65	●	●	●	●	●	●	●	●	●	●	●	#6 - #16								Solid or Stranded					
GS-66						●	●	●	●		●	#10 - #22					Solid or Stranded								
GS-67				●		●	●	●	●		●	#10 - #22					Solid or Stranded								
GS-70		●	●	●		●	●	●	●			#10 - #22					Solid or Stranded								

GS-67



GS-66

MULTI-TOOL CRIMPER & STRIPPER

Strips solid or stranded wire.

- Strips and cuts copper or aluminum wire.
- Cuts and rethreads mild steel, untempered bolt sizes 4-40, 6-32, 8-32, 10-32 and 10-24.
- Color-coded crimping stations for insulated and non-insulated wire terminals.
- Also crimps coaxial cable.

Part #	Description	Wire Gauge	Length
GS-67	Multi-Tool	#10 - #22 AWG	8½"
GS-66	Multi-Tool	#10 - #22 AWG	8½"

MULTI-TOOL STRIPPER & CUTTER

Strips and cuts wire.

- Strips copper and aluminum wire, solid or stranded.
- Cuts and rethreads bolt sizes 4-40, 5-40, 6-32, 8-32, 10-24, and 10-32.
- Pliers nose for pulling and looping wire.
- Crimps insulated & non-insulated terminals.
- Crimps coaxial “F” Connectors.
- Curved cutting blade.
- Air pocket cushion grips for added comfort.
- Precision ground stripping stations do not nick conductor while stripping.

Part #	Description	Wire Gauge	Length
GS-70	Multi-Tool	#10 - #22 AWG	8½"

MULTI-TOOL STRIPPER & CUTTER

Strips #6 - #16 AWG solid, #8 - #18 AWG stranded.

- Strips copper and aluminum wire, solid or stranded.
- Cuts and rethreads bolt sizes 4-40, 5-40, 6-32, 8-32, 10-24, and 10-32.
- Crimps #310, 311, 410, and 411 crimp sleeves, solderless terminals and coaxial connectors.
- Pliers nose for pulling and looping wire.
- Snub nose for reaming ½" and 1" conduit.
- Precision ground stripping stations do not nick conductor while stripping.
- Lock for compact storage.

Part #	Description	Wire Gauge	Length
GS-65	Multi-Tool Stripper and Cutter	#6 - #16 AWG, Solid #8 - #18 AWG, Stranded	8½"

ROMEX® STRIPPER COMPARISON:

Part #	Spring Action Return	Pliers Nose	Loop Hole	Deluxe Cushion Grip	Locking Handle	Cutter Blade	Cuts & Rethreads Bolts	Wire Stripping Range
CR-100	●							Both 12/2 and 14/2 NM cable
CRC-100	●							Both 12/2 and 14/2 NM cable
GRX-122	●	●	●	●	●	●		12/2 NM cable with ground wire
GRX-142	●	●	●	●	●	●		14/2 NM cable with ground wire
GRX-224	●	●	●	●	●	●	●	Both 12/2 and 14/2 NM cable

GRX-122

GRX-142

NEW ROMEX® CABLE STRIPPERS

Strips outer sheathing of NM cable.

- Strips single conductor #12 or #14 AWG.
- Curved cutting blade for clean and easy cutting of cable.
- Pliers nose.
- Spring action handles.
- Wire looping holes.
- Laser etched markings for high visibility.
- Curved handles with air pocket cushion grips for added comfort.

Part #	Description	Wire Gauge	Length
GRX-122	NM Cable Stripper	12/2 NM Cable & #12 AWG single conductor	6"
GRX-142	NM Cable Stripper	14/2 NM Cable & #14 AWG single conductor	6"

NEW DUAL ROMEX® STRIPPER

Strips outer sheath of #12/2 or #14/2 cable in one tool.

- Strips single conductor #12 or #14 AWG.
- Laser etched markings for high visibility.
- Power spring return reduces hand fatigue.
- Curved cutting blade.
- Pliers nose.
- Wire looping hole.
- Cuts and rethreads bolt sizes 6-32 and 8-32.
- Locking handle for compact storage.
- Air pocket cushion grips for added comfort.

Part #	Description	Wire Gauge	Length
GRX-224	NM Cable Stripper	12/2 & 14/2 NM cable and #12 AWG and #14 AWG single conductor	7 5/8"

CR-100

CRC-100

CABLE RIPPER

Slits outer covering of Romex® (all sizes, both old and new) and other non-metallic (type NM) sheathed cable.

- Wire gauge on handle checks and strips #6 to #14 AWG.
- Nickel-plated finish resists corrosion.

Part #	Description	Gauge Size	Length
CR-100	Cable Ripper	12/2 & 14/2 NM Cable	4"
CRC-100	Curved Cable Ripper	12/2 & 14/2 NM Cable	4"

DATACOM STRIPPER COMPARISON:

Part #	Strips RG-58	Strips RG-59	Strips RG-6	Strips CAT 3 Cable	Strips CAT 5 Cable	Strips Flat Telephone Wire	Strips 16-26 AWG Wire	Cutter Blade to Cut Cable
GS-59	●	●	●					●
SE-98	●	●	●					
SE-100		●				●	●	●
GTPS-100				●	●			
GTPS-200				●	●	●		●

UTP/STP CABLE STRIPPER

Strips UTP and STP cable up to .24" (6.2mm) OD.

- Tension release lever for easy positioning and release of cable.
- Compact design for easy handling.
- For use on CAT 3 and CAT 5 cable.

Part #	Description	Network	Length
GTPS-100	UTP/STP Round Cable Stripper	UTP/STP	3¼"

TWISTED PAIR CABLE STRIPPER

Strips UTP, STP, flat, round from ⅛" to ⅜" in diameter and silver satin and other flat cables.

- Accommodate both flat and round cables.
- Adjustable blade depth.
- High impact ABS plastic.
- For use on CAT 3 and CAT 5 cable.

Part #	Description	Network	Length
GTPS-200	Premium Cable Stripper	UTP, STP, flat, round from ⅛" to ⅜" in dia and silver satin and other flat cables	4½"

NEW COAXIAL STRIPPER

Cuts and strips RG-59 and RG-6 coaxial cable.

- Can be used with both standard and Quad shield cable.
- Multiple size stripping stations strip both the outer jacket and inner conductor.
- Exclusive hex shaped slot helps push “F” connectors on to cable.
- Curved cutting blade.
- Spring return reduces hand fatigue.
- Air pocket cushion grips for added comfort.

Part #	Description	Gauge Size	Length
GS-59	Coaxial Stripper	RG-59 & RG-6	6¼"

COAXIAL CUTTER & STRIPPER

Cuts and strips coaxial cable.

- Easily adjusts to various cable thickness.
- One-squeeze cutting action.
- Includes replacement blade model # SERB-25.

Part #	Description	Wire Gauge	Length
SE-98	Coaxial Cable Cutter & Stripper	RG-58, RG-59 & RG-6	4¾"

Replacement Parts:

Part #	Qty	Description	Accommodates	Color	Length
SERB-25	5/pk	Replacement Blade	Dual Crimp BNC/TNC Connectors	Black	¼"
SERB-50	5/pk	Replacement Blade	RG-59 & RG-6	Black	½"
SERB-RGB	3/pk	Replacement Blade Kit	**Replacement Kit Includes:**	–	–
			Dual Crimp N-series Connectors	Red	–
			Twinax and UHF Connectors	Green	–
			"F" Type & Single Crimp BNC/ TNC Connectors	Blue	–

COAXIAL & TELEPHONE CABLE CUTTER & STRIPPER

Multi-function tool cuts and strips RG-59 coaxial cable and flat telephone wire.

- Cuts and strips #26 - #16 AWG solid or stranded wire.
- One-squeeze cutting action provides quick and easy cuts.
- Cutting blades can be adjusted to accommodate different cable thickness.
- Durable ABS plastic for extended life.

Part #	Description	Wire Gauge	Length
SE-100	Coaxial & Telephone Cable Cutter & Stripper	RG-59 & Flat Telephone Wire	4½"

VDV CRIMPERS COMPARISON:

Part #	Crimps RJ-11 Modular Plugs	Crimps RJ-22 Modular Plugs	Crimps RJ-45 Modular Plugs	Crimps BNC Connectors	Crimps RG-59 "F" Connectors	Crimps RG-6 "F" Connectors	Cuts Cable	Crimps Insulated Terminals	Crimps Non-insulated Terminals	RJ-11 Amp Modular Plugs	RJ-45 Amp Modular Plugs
GMC-1000	●	●									
GMC-2000	●	●	●								
GMC-1145	●		●								
GMC-2211	●	●									
GS-89					●	●	●				
GS-90					●	●					
GS-91					●	●					
GRC-10BNC				●							
GRC-10CATV					●	●					
GRC-10INS								●			
RCD-RJ-11	●										
RCD-RJ-45			●								
RCD-RJ-11Amp										●	
RCD-RJ-45Amp											●
RCD-BNC				●							
RCD-CATY					●	●					
RCD-2210INS								●			
RCD-2208									●		

COAXIAL CRIMPER

Cuts RG-59 and RG-6 coaxial cable and crimps "F" type connectors.

- Precise blade cuts up to 3/8" diameter cables.
- Cushioned grips for comfort and durability.

Part #	Description	Wire Gauge	Length
GS-89	Coaxial Crimper	RG-59 & RG-6	8"

GS-90

NEW COAXIAL CRIMPERS

Fastens "F" type connectors to RG-59 and RG-6 coaxial cable.

- Hexagon shape crimp heads for improved crimps.
- Cushioned grips for comfort and durability.

Part #	Description	Crimp Range	Length
GS-90	Economy Coaxial Crimp Tool	RG-59 & RG-6	8"
GS-91	Heavy-duty Coaxial Crimp Tool	RG-59 & RG-6	8 7/8"

GS-91

RATCHETING CRIMPER TOOL

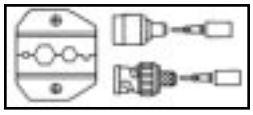
GRC-10

High-leverage crimp tool with replaceable dies for use on the most popular data connectors.

- Rated for 50,000 cycles.
- Full cycle ratcheting mechanism provides smooth crimp.
- 10" length requires less handle force.
- Safety release tab allows operator to back out of crimp.
- Replaceable dies work in a number of applications.

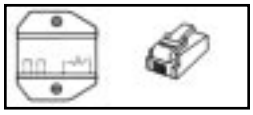
RCD-2210INS

RCD-2208NON



RCD-BNC

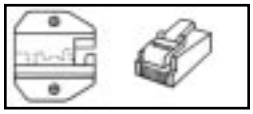
RCD-CATV



RCD-RJ11

RCD-RJ45

RCD-RJ11AMP



RCD-RJ45AMP

Part #	Description	Length
GRC-10	Ratcheting Crimp Frame w/o dies	10"

Frame & Die Combinations:

Part #	Description	Frame	Die Part #
GRC-10BNC	Used for RG-58, RG-59/62, BNC/TNC	GRC-10	RCD-BNC
GRC-10CATV	Used for RG-59, RG-6, "F" Type CATV	GRC-10	RCD-CATV
GRC-10INS	Used for #22 - #10 AWG Insulated Terminal	GRC-10	RCD-2210INS

Replacement Dies:

Part #	Description
RCD-BNC	RG-58, RG-59/62, BNC/TNC Die
RCD-CATV	RG-59, RG-6, "F" Type CATV Die
RCD-2210INS	#22 - #10 AWG Insulated Terminal Die
RCD-2208NON	#22 - #8 AWG Non-Insulated Terminals Die
RCD-RJ11	2, 4 and 6 position Modular Plugs Die
RCD-RJ45	8 position Modular Plugs Die
RCD-RJ11AMP	2, 4 and 6 position AMP Modular Plugs (RJ-11) Die
RCD-RJ45AMP	8 position AMP Modular Plugs Die

PUNCH DOWN TOOLS

PDT-66

PDT-110

High impact design assures good quality terminations.

- Inserts and cuts cable in termination blocks.
- Constructed of durable ABS plastic.
- Impact adjustment with high/low setting accommodates multiple applications.
- Extra blade can be stored in handle.
- Spring loaded design quickly and easily inserts and trims terminations.
- 110 style blade used in CAT 3 and CAT 5 terminations.
- 66 style blade used to terminate phone wiring.

Part #	Description	Network	Length
PDT-66	Type 66 Terminal Punch Down Tool with Blade	Voice	7½"
PDT-110	Type 110 Terminal Punch Down Tool with Blade	Data	7½"

Replacement Blades:

Part #	Description
PDB-66	Type 66 Replacement Blade
PDB-110	Type 110 Replacement Blade

NEW PUNCH DOWN TOOL

Non-Impact punch down tool for use in less demanding applications.

- ABS plastic housing fits comfortably in hand.
- Heavy duty 110 blade for use on CAT 3 or CAT 5 terminations.
- Blade not replaceable.

Part #	Description	Network	Length
PDT-110LC	Non-Impact Punch Down Tool	Data	5½"

NEW MODULAR CRIMP TOOL KIT

Terminates RJ-11 modular plugs.

- Includes five RJ-11 and RJ-22 modular plugs.
- Includes adapter for crimping RJ-22 modular plugs.
- Built-in stripping and cutting station.

Part #	Description
GMC-1000	Modular Crimp Tool w/RJ-11 Plugs

NEW MODULAR CRIMP TOOL KIT

Cuts and terminates CAT 3, CAT 5 and handset cables.

- Includes five RJ-11, RJ-22 and RJ-45 modular plugs.
- Includes adapter for crimping RJ-22 modular plugs.
- Built-in stripping and cutting station.

Part #	Description
GMC-2000	Modular Crimp Tool w/RJ-11, RJ-22, and RJ-45 Plugs

MODULAR PLUG TOOLS

Used to produce patch cable and handset cables, cut strip and crimp.

- Heat-treated steel frame provides strength and durability.
- Replacement cutting blade extends the life of the tool.
- Slip-resistant handles.
- Color-coded handles for quick reference.

GMC-1145

GMC-2211

Part #	Description	Plugs	Pins
GMC-1145	Telephone Crimp Tool, RJ-11/12 and RJ-45	RJ-11/12	2, 4, 6
		RJ-45	6, 8
GMC-2211	Telephone Crimp Tool, RJ-11/12 and RJ-22	RJ-11/RJ-12	2, 4, 6
		RJ-22	2, 4

Replacement Parts:

Part #	Description	Accommodates
MCB-1	Replacement Blade Kit	GMC-1145 and GMC-2211

Lifetime Warranty

CUTTING PLIERS, STRIPPING LAP JOINT

Cuts and strips #14 and #12 AWG copper.

- Forged from high carbon steel for durability and strength.
- Precision machined and induction hardened knives strengthen cutters and provide consistent performance when cutting aluminum, copper and medium-hard steel wire.
- Flared handles for added comfort.

Part #	Description	Length
GPS-226	Cutting Pliers, Stripping Lap Joint	8 1/8"

Lifetime Warranty

CUTTING PLIERS, CURVED DIAGONAL

Angled head allows cutting in tight locations.

- Dual cutting edges and high-leverage handle design for optimum gripping and cutting performance.
- Precision machined and induction hardened knives strengthen cutters and provide consistent performance when cutting aluminum, copper and medium-hard steel wire.
- Flared handles for added comfort.

Part #	Description	Length
GPS-228	Cutting Pliers, Curved Diagonal	8"

Lifetime Warranty

CUTTING PLIERS, BOX JOINT

Extra hard cutting knives cuts most hardened wire.

- Heat-treated cutting edges provide increased hardness and longer life.
- Forged from high carbon steel for durability and strength.
- Precision machined and induction hardened knives strengthen cutters and provide consistent performance when cutting aluminum, copper and most hardened wire.
- Tapered nose allows cutting in tight locations.
- Color-coded, comfort grip handles.

Part #	Description	Length
GPS-120	Cutting Pliers, Box Joint	8"

Lifetime Warranty

CUTTING PLIERS, BOX JOINT

Tapered nose allows cutting in tight locations.

- Dual cutting edge and high-leverage handle design for optimum gripping and cutting performance.
- Precision machined and induction hardened knives strengthen cutters and provide consistent performance when cutting aluminum, copper and medium-hard steel wire.
- Comfort grip handles.

GPS-202

GPS-220

Part #	Description	Length
GPS-202	Cutting Pliers, Box Joint	6"
GPS-220	Cutting Pliers, Box Joint	8"

Lifetime Warranty

LONG NOSE PLIERS WITH SIDE CUTTER

Long nose design for forming and looping wire and handling small parts.

- Forged from high carbon steel for durability and strength.
- Knurling on jaws grip work tightly.
- Cutting edges are heat treated to hold their edge.
- Color-coded, comfort grip handles.

GPS-221

GPS-236

GPS-238

Part #	Description	Length
GPS-221	Long Nose Pliers	5⅝"
GPS-236	Long Nose Pliers	6½"
GPS-238	Long Nose Pliers	8½"

Lifetime Warranty

CURVED NOSE PLIERS

Curved nose design provides maximum work visibility in confined areas.

- Serrated jaws grip work tightly.
- Color-coded, comfort grip handles.

Part #	Description	Length
GPS-302	Curved Nose Pliers	7"

Lifetime Warranty

LINEMEN'S PLIERS, ROUND NOSE

Hardened cutting knives cut through nails and most hardened wire.

- Heat-treated cutting edges provide increased hardness and longer life.
- Forged from high carbon steel for durability and strength.
- Precision machined and induction-hardened edges cut copper, aluminum, ACSR and most hardened wire.
- Dual cutting edges and high-leverage handle design for optimum gripping and cutting performance.
- Comfort grip handles.

Part #	Description	Length
GPS-110	Linemen's, Round Nose	9½"

Lifetime Warranty

LINEMEN'S PLIERS, ROUND NOSE

Standard pliers cut aluminum, copper and medium hard steel wire.

- Forged from high carbon steel for durability and strength.
- Dual cutting edges and high-leverage handle design for optimum gripping and cutting performance.
- Precision machined and induction hardened knives strengthen cutters and provide consistent performance.
- Comfort grip handles.

GPS-218

GPS-219

Part #	Description	Length
GPS-218	Linemen's Pliers, Round Nose	8½"
GPS-219	Linemen's Pliers, Round Nose	9⅛"

Lifetime Warranty

LINEMEN'S PLIERS WITH PIPE GRIP

Knurled front jaws securely grip pipe and conduit.

- Forged from high carbon steel for durability and strength.
- Dual cutting edges and high-leverage handle design for optimum gripping and cutting performance.
- Color-coded, comfort grip handles.

GPS-247

GPS-248

GPS-249

Part #	Description	Length
GPS-247	Linemen's Pliers w/ Pipe Grip	7¾"
GPS-248	Linemen's Pliers w/ Pipe Grip	8¾"
GPS-249	Linemen's Pliers w/ Pipe Grip	9"

Lifetime Warranty

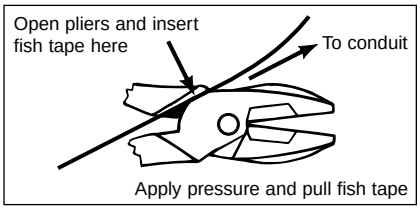
LINEMEN'S PLIERS WITH FISH TAPE PULLER

Built-in groove designed for gripping and pulling flat fish tape.

- Forged from high carbon steel for durability and strength.
- Precision machined and induction hardened knives strengthen cutters and provide consistent performance when cutting aluminum, copper and medium-hard steel wire.
- Comfort grip handles

SEE PAGE 72
for info on Fish Tapes

Part #	Description	Length
GPS-214	Linemen's Pliers w/ Fish Tape Puller	8⅛"



CURVED NOSE PLIERS

Curved nose design provides maximum work visibility in confined areas.

- Serrated jaws grip work tightly.
- Comfort grip handle.
- Used to form wire or grip small parts.

Part #	Description	Length
GS-84	Long Nose w/ Curved Nose	5¼"

LONG NOSE PLIERS

Multi-function pliers - cuts, strips and crimps.

- Use needle nose to form wire or grip small parts.
- Strips #14 - #16 AWG solid or stranded wire.
- Crimps insulated terminals up to #10 AWG.
- Cutting blade cuts solid or stranded wire.

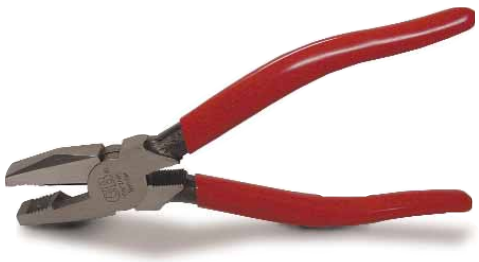
Part #	Description	Length
GS-85	Long Nose w/ Cutter and Crimper	6½"

DIAGONAL CUTTING PLIERS

Tapered nose to fit in tight spaces.

- Cuts copper, aluminum or mild steel wire.
- Precision ground cutting edges for strength and durability.
- Hardened steel construction for long life.
- Comfort grip handles.

Part #	Description	Length
GS-86	Diagonal Cutting Pliers	6⅜"



LINEMEN'S PLIERS

Medium-duty linemen's pliers.

- Cuts copper or aluminum wire.
- Serrated, square tip jaw for extra grip on bolts.
- Hardened steel construction for long life.
- Comfort grip handles.

Part #	Description	Length
GS-87	Linemen's Pliers	7½"

LINEMEN'S PLIERS WITH CUTTER & CRIMPER

High-leverage tool with crimping die and side cutters.

- UL approved when used with GB #310, 410, and 411 crimp connectors for permanent connections.
- Comfort grip handles.

Part #	Description	Length
GCP-400	Linemen's Pliers and Crimping Tool	9½"

CABLE STRIPPERS

- Easily removes insulation from round cable from .16" to 1" (4 mm to 25 mm).
- Blade rotates to produce lateral cuts for easy removal of jackets.
- Adjustable blade depth for jacket thickness up to .125" (3.2 mm).

Part #	Description	Length
GCS-100	Round Cable Stripper	5½"

Replacement Parts:

Part #	Description
RCSB-1	Replacement Blade

BX ARMOR CABLE CUTTER

Cuts BX, MC, AC, Greenfield, flexible conduit and liquid tight through ¾".

- One tool cuts four types of casing:
  - BX, MC, AC: 14/2 - 10/4 and up to 4/3 AWG
  - Greenfield: ⅜" - ¾"
  - Flexible Conduit (steel and aluminum): ½" - ¾"
  - Liquid Tight: ⅜" - ¾"
- Patented quick clamp feature automatically adjusts to cable size and secures it for splitting.
- Automatic release ejects cable.
- Cutting depth adjustment insures clean cuts without nicking cable.

Part #	Description	Length
GBX-200C	BX Armor Cutter	7¼"

Replacement Parts:

Part #	Description
GBRX-201	Replacement Blade

CABLE CUTTER

Cable cutting tool designed to cut cleanly with high leverage one-hand operation.

- Soft copper & aluminum cable style.

Part #	Description	Cut Size	Length
GC-75	Cable Cutter	2/0	8"

HIGH LEVERAGE CUTTERS

Cuts soft copper and aluminum cable up to 1000 MCM.

- Heat-treated alloy steel jaws make fast, sharp cuts.
- Lightweight fiberglass handles on GC-500 and GC-1000 feature comfortable rubber grips.

Part #	Description	Cut Size	Length	Replacement Jaw #
GC-350	Cable Cutter	350 MCM max	16"	N/A
GC-500	Cable Cutter	500 MCM max	24"	GCRJ-500
GC-1000	Cable Cutter	1000 MCM max	33"	GCRJ-1000

RATCHETING CABLE CUTTER

Cut copper and aluminum cable up to 750 MCM 600 V.

- Ratcheting mechanism for increased leverage.
- Variable force cutting action permits choice between high force and speed.
- Dual-action handles cut from either direction; easy to use in tight spots.
- Hardened alloy steel blades are easily sharpened without removing them from tool.
- Rubber hand grips permit firm grip control.

Part #	Description	Jaw Opening	Length
GRC-750	Ratcheting Cable Cutter	1 9/16"	15 3/4"

Replacement Blades:

Part #	Description
RBF-750	Replacement Fixed Blade
RBM-750	Replacement Movable Blade

KWIKCUT™ PVC CONDUIT CUTTER

Cuts flexible, watertight flexible and schedule 40 PVC conduit ½" to 1".

- Patented design makes fast, clean cuts.
- Tough, lightweight nylon handles.
- Compact 8" tool fits neatly and safely into pocket or tool pouch.

Part #	Description
GKC-100	Kwikcut™ PVC Cutter (1")

Replacement Blades:

Part #	Description
GCRB-100	Replacement Blade for GKC-100

CUT-A-WAY™ PVC CONDUIT CUTTER, 1¼"

Cuts flexible, watertight flexible and schedule 40 PVC conduit ½" to 1¼".

- High leverage ratcheting action.
- Patented design makes fast, square, smooth-filed cuts.
- Compact, rugged tool fits into pocket of pouch.

Part #	Description
GPC-125	Cut-A-Way™ PVC Cutter (1¼")

Replacement Blades:

Part #	Description
GPRB-125	Replacement Blade

CUT-A-WAY™ PVC CONDUIT CUTTER, 2"

Cuts flexible, watertight flexible and schedule 40 and 80 PVC conduit ½" to 2".

- High leverage ratcheting action.
- Makes hacksaw and pipe vises obsolete.

Part #	Description
GPC-200	Cut-A-Way™ PVC Cutter (2")

Replacement Blades:

Part #	Description
GPRB-200	Replacement Blade

INSULATED SCREWDRIVER SET

Insulated shaft provides extra protection when working with electricity.

- 100mm insulated shafts rated to 1000 V.
- Set contains one flat tip and one Phillips® tip screwdriver. Choose from 4 mm or 6 mm.
- Magnetic tips for ease of use.

			Set Contains:	
Part #	Description	Length	Qty	Description
GS-83	Insulated Screwdriver Set (2pc.)	7½"	1	4 mm Flat tip
			1	4 mm Phillips® tip

			Set Contains:	
Part #	Description	Length	Qty	Description
GS-93	Insulated Screwdriver Set	9⅞"	1	6 mm Flat tip
			1	6 mm Phillips® tip

SCREWHOLDING SCREWDRIVER SET

Screw holding tip holds screw when inserted into a tight location.

- Insulated shaft provides additional protection when used in electrical applications.

			Set Contains:	
Part #	Description	Length	Qty	Description
GSSH-95	Screwholding Screwdriver Set	11¼"	1	6 mm Phillips® tip
			1	6 mm Flat tip

PROTECT™ INSULATED SCREWDRIVERS

Insulated shaft provides extra protection when working with electricity.

- Molded shaft insulation rated to 1000 V provides secondary protection against accidental electrical shock.
- Unique ergonomic grip is engineered for maximum torque with minimum effort.
- Hardened chrome vanadium steel shaft provides strength and durability.
- Color-coded shafts provide quick and easy identification between slotted and Phillips® style screwdrivers.
- Tip size imprinted on each handle for handy reference.

Part #	Description	Tip	Length
SCE-251	Insulated Phillips® Screwdriver, No. 1	Phillips® No. 1	8"
SCE-252	Insulated Phillips® Screwdriver, No. 2	Phillips® No. 2	8"
SCE-256	Insulated Slotted Screwdriver, 3⁄16" tip	Slotted, 3⁄16"	8"
SCE-257	Insulated Slotted Screwdriver, 1⁄4" tip	Slotted, 1⁄4"	8"

INSULATED SCREWDRIVER SET

			Set Contains:	
Part #	Description	Length	Qty	Description
SCE-262	Insulated Screwdriver Set, 2 pc.	8"	1	No. 2 Phillips® tip
			1	3⁄16" Slotted tip

REVERSIBLE INSULATED SCREWDRIVER

Reversible tip combines two tools into one.

- Molded shaft insulation rated to 1000 V provides secondary protection against accidental electrical shock.
- Unique ergonomic grip is engineered for maximum torque with minimum effort.
- Hardened chrome vanadium steel shaft provides strength and durability.

Part #	Description	Reverse from	Reverses to
SCE-260	Insulated Screwdriver, Reversible tip	No. 2 Phillips®	3⁄16" Slotted

FUSE PULLERS

Handles fuse safely with no slips, shocks or bent fuse clips.

- Tough, laminated vulcanized construction.
- High dielectric strength for safety, tested to 35,000 V breakdown.
- Pliers design for easy-handling.

Part #	Description	Fuse Size	Dimensions
FP-10	Midget Fuse Puller	¼" to ½"	5" x ¾"
FP-25	Pocket Fuse Puller	0-200 A/250 V & 0-100 A/600 V	7½" x 1½"
FP-30	Giant Fuse Puller	61-600 A/250 V & 61-600 A/600 V	12" x 2½"

UTILITY KNIFE & BLADES

- Retractable blade for safety and convenience.
- Lightweight, durable metal housing.
- Reversible blade for longer life.
- Storage area in handle for spare blades.
- Includes three replacement blades.

Part #	Description
RK-6	Retractable Utility Knife, 6"
RK-6BK	Replacement Blades, pkg. of 5

ELECTRICIAN'S KNIFE

Two-in-one tool has sharpened blade for skinning wire and screwdriver tip for screws.

- Tempered carbon steel blades sharpen easily and hold their edge.
- Compact 3¾" size.

Part #	Description
KF-200	Two-in-one Electrician's Knife

SLUG-OUT™ HYDRAULIC KNOCKOUT SETS

Punches holes for ½" to 4" pipe in distribution boxes, electrical panels or troughs.

- Four point design allows slug to drop automatically without splitting. Punches up to 12-gauge stainless and up to 10-gauge mild steel.
- Hand or foot operation; choose hand or foot-powered hydraulic pump.
- Assortment of punches, dies and accessories.
- Includes metal storage case (11⅛" x 18¾" x 6¼").
- Competitors punches and dies are interchangeable.

Part #	Description	Weight
KOH14A	Hydraulic Slug-Out™ Set w/o punches and dies and with PH20 Hand Pump	27 lbs
KOF520	½" - 2" Hydraulic Slug-Out™ Set with PF65 Foot Pump	40 lbs
KOH520A	½" - 2" Hydraulic Slug-Out™ Set with PH20 Hand Pump	31 lbs
KOF540	½" - 4" Hydraulic Slug-Out™ Set with PF65 Foot Pump	59 lbs
KOH540A	½" - 4" Hydraulic Slug-Out™ Set with PH20 Hand Pump	50 lbs

KOH14A SET INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
PH20	Hand Pump - 2 speed	–	5 lbs	**22**	CH1211	12 ton Hydraulic Cylinder	–	6 lbs	**26**
KPR7540	Pull Rod for ¾" - 4" Punches & Dies	–	2.5 lbs	**23**	H864	6' Rubber Hose Coupler	–	2 lbs	**27**
KPS50*	Stainless Steel Pull Rod, ⅜" dia.	–	.2 lb	**24**	CM5	Metal Case	–	11 lbs	**28**
KC3540**	Converter	–	.4 lb	**25**					

KOF520 & KOH520A SETS INCLUDE:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	**1**	KP2000B	2" Punch	2⅜"	2 lbs	**11**
KD500B	½" Die	⅞"	1 lb	**2**	KD2000B	2" Die	2⅜"	2 lbs	**12**
KP750B	¾" Punch	1 3/32"	.4 lb	**3**	PF65	Foot Pump *(KOF520 only)*	–	12 lbs	**21**
KD750B	¾" Die	1 3/32"	1 lb	**4**	PH20	Hand Pump - 2 speed *(KOH520A only)*	–	5 lbs	**22**
KP1000B	1" Punch	1 11/32"	1 lb	**5**	KPR7540	Pull Rod for ¾" - 4" Punches & Dies	–	2.5 lbs	**23**
KD1000B	1" Die	1 11/32"	1 lb	**6**	KPS50*	Stainless Steel Pull Rod, ⅜" dia.	–	.2 lb	**24**
KP1250B	1¼" Punch	1 11/16"	2 lbs	**7**	KC3540**	Converter	–	.4 lb	**25**
KD1250B	1¼" Die	1 11/16"	2 lbs	**8**	CH1211	12 ton Hydraulic Cylinder	–	6 lbs	**26**
KP1500B	1½" Punch	1 15/16"	2 lbs	**9**	H864	6' Rubber Hose Coupler	–	2 lbs	**27**
KD1500B	1½" Die	1 15/16"	2 lbs	**10**	CM5	Metal Case	–	11 lbs	**28**

KOF540 & KOH540A SETS INCLUDE:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	**1**	KP3000	3" Punch	3½"	4 lbs	**15**
KD500B	½" Die	⅞"	1 lb	**2**	KD3000	3" Die	3½"	4 lbs	**16**
KP750B	¾" Punch	1 3/32"	.4 lb	**3**	KP3500	3½" Punch	4"	4 lbs	**17**
KD750B	¾" Die	1 3/32"	1 lb	**4**	KD3500	3½" Die	4"	4 lbs	**18**
KP1000B	1" Punch	1 11/32"	1 lb	**5**	KP4000	4" Punch	4½"	4 lbs	**19**
KD1000B	1" Die	1 11/32"	1 lb	**6**	KD4000	4" Die	4½"	4 lbs	**20**
KP1250B	1¼" Punch	1 11/16"	2 lbs	**7**	PF65	Foot Pump *(KOF540 only)*	–	12 lbs	**21**
KD1250B	1¼" Die	1 11/16"	2 lbs	**8**	PH20	Hand Pump - 2 speed *(KOH540A only)*	–	5 lbs	**22**
KP1500B	1½" Punch	1 15/16"	2 lbs	**9**	KPR7540	Pull Rod for ¾" - 4" Punches & Dies	–	2.5 lbs	**23**
KD1500B	1½" Die	1 15/16"	2 lbs	**10**	KPS50*	Stainless Steel Pull Rod, ⅜" dia.	–	.2 lb	**24**
KP2000B	2" Punch	2⅜"	2 lbs	**11**	KC3540**	Converter	–	.4 lb	**25**
KD2000B	2" Die	2⅜"	2 lbs	**12**	CH1211	12 ton Hydraulic Cylinder	–	6 lbs	**26**
KP2500	2½" Punch	2⅞"	3 lbs	**13**	H864	6' Rubber Hose Coupler	–	2 lbs	**27**
KD2500	2½" Die	2⅞"	3 lbs	**14**	CM5	Metal Case	–	11 lbs	**28**

* Must be used with ½" punch and die. ** Must be used with 3½" - 4" punch and die.

Optional 5" and 6" punches and dies for use with Gardner Bender hydraulic knockout sets only. 5" and 6" punches and dies have been discontinued. Will sell until inventory runs out (KP5000 5" Punch; KD5000 5" Die; KP6000 6" Punch; KD6000 6" Die).

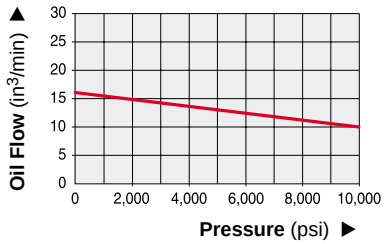
WALKPAC™ BATTERY POWERED HYDRAULIC PUMP

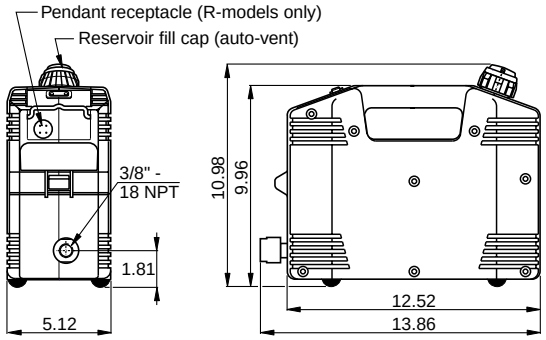
Lightweight portable hydraulic pump.

- Weighs less than 19 pounds for true portability.
- One-hand operation leaves you free to position a tool or workpiece.
- Heavy-duty construction.
- Easy-to-use push-button control eliminates repetitive motions associated with hand pumps.
- Includes charger unit.
- Maximum pressure rating 10,000 psi.
- Reservoir capacity 38 cubic inches.
- Flow rate 16 in^3/min @ 0 psi.

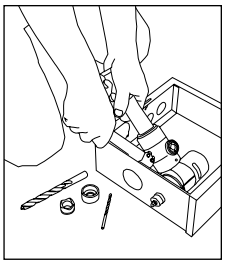
Part #	Description	Weight
PB120J	Battery Powered Hydraulic Pump	48 lbs
PB12J	Battery Pump Only	34 lbs
BT12	Battery	3 lbs
BC12	Replacement Charger	12 lbs

WalkPac™ Flow Chart





SLUG-OUT 90™



½" to 2" Pipe Size.

- Right-angle head swivels 360° for flexible punching in tight work spaces.
- Punches up to 2½" conduit sizes, up to 12-gauge stainless or 10-gauge mild steel.
- No cumbersome "spacers" required.
- Compact, lightweight size: 7½ pounds and 13" in length.
- Operating pressure rated at 10,000 psi.
- Set includes the most popular draw studs, punches, and dies for punching holes for ½" to 2" conduit all packed in a sturdy storage case.

Part #	Description	Weight
KOS5290	Self-contained Hydraulic Slug-Out 90™ Set	15 lbs

SET INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	1	KP1500B	1½" Punch	1 15/16"	2 lbs	9
KD500B	½" Die	⅞"	1 lb	2	KD1500B	1½" Die	1 15/16"	2 lbs	10
KP750B	¾" Punch	1 3/32"	.4 lb	3	KP2000B	2" Punch	2 3/8"	2 lbs	11
KD750B	¾" Die	1 3/32"	1 lb	4	KD2000B	2" Die	2 3/8"	2 lbs	12
KP1000B	1" Punch	1 11/32"	1 lb	5	KLP6	Hydraulic Driver	–	10 lbs	13
KD1000B	1" Die	1 11/32"	1 lb	6	KPR7520	Pull Rod	–	1 lb	14
KP1250B	1¼" Punch	1 11/16"	2 lbs	7	KPS50	Pull Rod	–	.2 lb	15
KD1250B	1¼" Die	1 11/16"	2 lbs	8	KSA50	Pull Rod Adapter	–	.3 lb	16

Seal Repair Kit KLP6K1

SLUG-OUT™ SELF-CONTAINED HYDRAULIC KNOCKOUT SET

½" to 2" Pipe Size.

- Hydraulic driver punches up to 12-gauge stainless and up to 10-gauge mild steel.
- Four-point design allows slug to drop automatically without splitting.
- Lightweight and easy to use.
- Hydraulic driver operates in any position.
- Optional 2½" and 3" punch and die available.

Part #	Description	Weight
KOS520	Slug-Out™ Self-contained Hydraulic Set	14 lbs

SET INCLUDES:

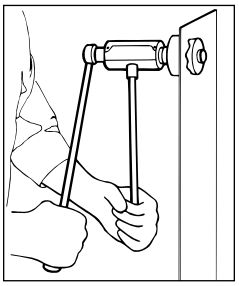
Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	1	KD1500B	1½" Die	1 15/16"	2 lbs	10
KD500B	½" Die	⅞"	1 lb	2	KP2000B	2" Punch	2 3/8"	2 lbs	11
KP750B	¾" Punch	1 3/32"	.4 lb	3	KD2000B	2" Die	2 3/8"	2 lbs	12
KD750B	¾" Die	1 3/32"	1 lb	4	KLP2	Hydraulic Driver	–	10 lbs	13
KP1000B	1" Punch	1 11/32"	1 lb	5	KPR7520	Pull Rod	–	1 lb	14
KD1000B	1" Die	1 11/32"	1 lb	6	KPS50	Pull Rod	–	.2 lb	15
KP1250B	1¼" Punch	1 11/16"	2 lbs	7	KSA50	Pull Rod Adapter	–	.3 lb	16
KD1250B	1¼" Die	1 11/16"	2 lbs	8	K88020	Metal Storage Case	–	4.1 lbs	17
KP1500B	1½" Punch	1 15/16"	2 lbs	9					

Seal Repair Kit KLP2K1

QUICK HAND RATCHET SLUG-OUT™ SET

½" to 2" Pipe Size.

- Four-point design allows slug to drop automatically without splitting.
- Smooth operating ratchet handles up to 12-gauge stainless and up to 10-gauge mild steel.



Part #	Description	Weight
KOR520	Slug-Out™ Ratchet Set	16 lbs
KOR14	Ratchet (without punch and dies)	12 lbs

KOR520 SET INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	1	KD1500B	1½" Die	1 15/16"	2 lbs	10
KD500B	½" Die	⅞"	1 lb	2	KP2000B	2" Punch	2 3/8"	2 lbs	11
KP750B	¾" Punch	1 3/32"	.4 lb	3	KD2000B	2" Die	2 3/8"	2 lbs	12
KD750B	¾" Die	1 3/32"	1 lb	4	KOR14	Ratchet	–	12 lbs	13
KP1000B	1" Punch	1 11/32"	1 lb	5	KOR50	½" Screw Adapter	–	.4 lb	14
KD1000B	1" Die	1 11/32"	1 lb	6	KOR75125	¾" - 1¼" Screw Adapter	–	1 lb	15
KP1250B	1¼" Punch	1 11/16"	2 lbs	7	KOR152	1½" - 2" Screw Adapter	–	1 lb	16
KD1250B	1¼" Die	1 11/16"	2 lbs	8	K88020	Metal Storage Case	–	4 lbs	17
KP1500B	1½" Punch	1 15/16"	2 lbs	9					

SLUG-OUT™ SET WITH RATCHET WRENCH

½" to 2" Pipe Size.

- Four-point design allows slug to drop automatically without splitting.
- Punches up to 12-gauge stainless and up to 10-gauge mild steel.
- Set includes ratchet wrench, six sizes of punches and dies, and two drive screws all packaged in a rugged storage case.

Part #	Description	Weight
KOW520	Mechanical Slug-Out™ Set w/ KW52 Wrench	12 lbs

SET INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	1	KP1500B	1½" Punch	1 15/16"	2 lbs	9
KD500B	½" Die	⅞"	1 lb	2	KD1500B	1½" Die	1 15/16"	2 lbs	10
KP750B	¾" Punch	1 3/32"	.4 lb	3	KP2000B	2" Punch	2 3/8"	2 lbs	11
KD750B	¾" Die	1 3/32"	1 lb	4	KD2000B	2" Die	2 3/8"	2 lbs	12
KP1000B	1" Punch	1 11/32"	1 lb	5	KW52	Hand Ratchet Wrench	–	1 lb	13
KD1000B	1" Die	1 11/32"	1 lb	6	KSB50B	½" Bearing & Drive Screw	–	1 lb	14
KP1250B	1¼" Punch	1 11/16"	2 lbs	7	KS752B	¾" - 2" Bearing & Drive Screw	–	1 lb	15
KD1250B	1¼" Die	1 11/16"	2 lbs	8	K88007	Storage Case	–	1.5 lbs	16

SLUG-OUT™ SET

½" to 1¼" Pipe Size.

- Four-point design allows slug to drop automatically without splitting.
- Punches up to 12-gauge stainless and up to 10-gauge mild steel.
- Set includes the four most popular sizes of punches and dies packed in a sturdy storage case.

Part #	Description	Weight
KOM50125	Mechanical Slug-Out™ Set	3 lbs

SET INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	1	KP1250B	1¼" Punch	1 11/16"	2 lbs	7
KD500B	½" Die	⅞"	1 lb	2	KD1250B	1¼" Die	1 11/16"	2 lbs	8
KP750B	¾" Punch	1 3/32"	.4 lb	3	KSB50B	½" Bearing & Drive Screw	–	1 lb	9
KD750B	¾" Die	1 3/32"	1 lb	4	KS752B	¾" - 2" Bearing & Drive Screw	–	1 lb	10
KP1000B	1" Punch	1 11/32"	1 lb	5	K88007	Storage Case	–	1.5 lbs	11
KD1000B	1" Die	1 11/32"	1 lb	6					

SLUG-OUT™ SET

1½" to 2" Pipe Size.

- Four-point design allows slug to drop automatically without splitting.
- Punches up to 12-gauge stainless and up to 10-gauge mild steel.
- Durable storage case.

Part #	Description	Weight
KOM152	Mechanical Slug-Out™ Set	4 lbs

SET INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
KP1500B	1½" Punch	1½"	2 lbs	1	KD2000B	2" Die	2"	2 lbs	4
KD1500B	1½" Die	1½"	2 lbs	2	KS752B	¾" - 2" Bearing & Drive Screw	–	1 lb	5
KP2000B	2" Punch	2"	2 lbs	3	K88003	Storage Case	–	1.5 lbs	6

SLUG-OUT™ ASSORTMENT KIT

2½" - 4" Pipe Size.

- Expand capability of ½" - 2" sets.
- Four-point design allows slug to drop automatically without splitting.
- Punches up to 12-gauge stainless and up to 10-gauge mild steel.
- Packed in metal storage case.

Part #	Description	Weight
KOH2540	Slug-Out™ Set in Metal Case	22 lbs

SET INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
KP2500B	2½" Punch	2⅞"	3 lbs	1	KD3500B	3½" Die	4"	4 lbs	6
KD2500B	2½" Die	2⅞"	3 lbs	2	KP4000B	4" Punch	4½"	4 lbs	7
KP3000B	3" Punch	3½"	4 lbs	3	KD4000B	4" Die	4½"	4 lbs	8
KD3000B	3" Die	3½"	4 lbs	4	K88008	Metal Storage Case	–	5 lbs	9
KP3500B	3½" Punch	4"	4 lbs	5					

SLUG-OUT™ ASSORTMENT

½" to 3" Pipe Size.

- Assortment of punches, dies and accessories in metal cabinet.
- Four-point design allows slug to drop automatically without splitting.
- Punches up to 12-gauge stainless and up to 10-gauge mild steel.

Part #	Description	Weight
KOA530	Slug-Out™ Assortment	78 lbs

SET INCLUDES:

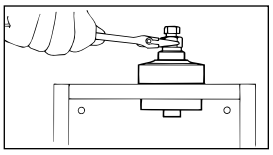
Part #	Qty	Description	Hole Size	Weight	Part #	Qty	Description	Hole Size	Weight
KP500B	18	½" Punch	⅞"	.4 lb	KP2000B	3	2" Punch	2⅜"	2 lbs
KD500B	12	½" Die	⅞"	1 lb	KD2000B	2	2" Die	2⅜"	2 lbs
KP750B	6	¾" Punch	1⅜2"	.4 lb	KP2500B	1	2½" Punch	2⅞"	3 lbs
KD750B	6	¾" Die	1⅜2"	1 lb	KD2500B	1	2½" Die	2⅞"	3 lbs
KP1000B	6	1" Punch	1 11⁄32"	1 lb	KP3000B	1	3" Punch	3½"	4 lbs
KD1000B	6	1" Die	1 11⁄32"	1 lb	KD3000B	1	3" Die	3½"	4 lbs
KP1250B	6	1¼" Punch	1 11⁄16"	2 lbs	KSB50B	18	½" Bearing & Drive Screw	–	1 lb
KD1250B	6	1¼" Die	1 11⁄16"	2 lbs	KS752B	6	¾" - 2" Bearing & Drive Screw	–	1 lb
KP1500B	3	1½" Punch	1 15⁄16"	2 lbs	KSN2530	1	Drive Screw	–	1.5 lbs
KD1500B	3	1½" Die	1 15⁄16"	2 lbs	KPS50	6	Pull Rod	–	.2 lb

KOM300 Apart

KOM300 Assembled

INDIVIDUAL PUNCH & DIE SLUG-OUT™ SETS

½" to 4" Pipe Size.



- A complete selection of 11 individual punch, die and drive screw sets from ½" - 4".
- Four-point design allows slug to drop automatically without splitting.
- Punches up to 12-gauge stainless and up to 10-gauge mild steel.

Part #	Weight	Pipe Size	Hole Size	Punch #	Weight	Die #	Weight	Drive Screw #	Weight
KOS-500B	1.5 lbs	½"	⅞"	KP500B	.4 lb	KD500B	1 lb	KSB50B	1 lb
KOS-750B	1.5 lbs	¾"	1 3/32"	KP750B	.4 lb	KD750B	1 lb	KS752B	1 lb
KOS-1000B	1.8 lbs	1"	1 11/32"	KP1000B	1 lb	KD1000B	1 lb	KS752B	1 lb
KOS-1250B	1.75 lbs	1¼"	1 11/16"	KP1250B	2 lbs	KD1250B	2 lbs	–	–
KOS-1250DS	1.8 lbs	1¼"	1 11/16"	KP1250B	2 lbs	KD1250B	2 lbs	KS752B	1 lb
KOS-1500B	1.8 lbs	1½"	1 15/16"	KP1500B	2 lbs	KD1500B	2 lbs	–	–
KOS-1500DS	1.9 lbs	1½"	1 15/16"	KP1500B	2 lbs	KD1500B	2 lbs	KS752B	1 lb
KOM1732	3 lbs	–	1 7/32"	KP1732B	.3 lb	KD1732B	.3 lb	KS752B	1 lb
KOM200	2 lbs	2"	2⅜"	KP2000B	2 lbs	KD2000B	2 lbs	KS752B	1 lb
KOM250	4 lbs	2½"	2⅞"	KP2500	3 lbs	KD2500	3 lbs	KSN2530	1.5 lbs
KOM300	5 lbs	3"	3½"	KP3000	4 lbs	KD3000	4 lbs	KSN2530	1.5 lbs
KOM350	10 lbs	3½"	4"	KP3500	4 lbs	KD3500	4 lbs	KSN3540	4 lbs
KOM400	11 lbs	4"	4½"	KP4000	4 lbs	KD4000	4 lbs	KSN3540	4 lbs
KKT316	Keyway Tool (for use with KOM1732)								

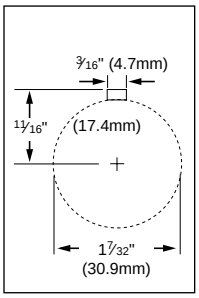
INDIVIDUAL SLUG-OUT™ COMPONENTS

½" to 4" Pipe Size.

- Four-point design allows slug to drop automatically without splitting.
- Punches up to 12-gauge stainless and up to 10-gauge mild steel.

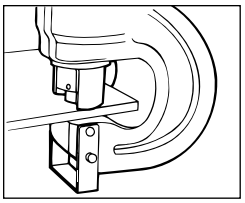
Part #	Description	Hole Size	Weight
KP500B	½" Punch	⅞"	.4 lb
KD500B	½" Die	⅞"	1 lb
KSB50B	Drive Screw for ½" Punch & Die	–	1 lb
KP750B	¾" Punch	1 3/32"	.4 lb
KD750B	¾" Die	1 3/32"	1 lb
KS752B	Drive Screw for ¾" thru 2" Punch & Die	–	1 lb
KP1000B	1" Punch	1 11/32"	1 lb
KD1000B	1" Die	1 11/32"	1 lb
KP1250B	1¼" Punch	1 11/16"	2 lbs
KD1250B	1¼" Die	1 11/16"	2 lbs
KP1500B	1½" Punch	1 15/16"	2 lbs
KD1500B	1½" Die	1 15/16"	2 lbs
KP1732B	1 7/32" Punch	1 7/32"	2 lbs
KD1732B	1 7/32" Die	1 7/32"	2 lbs
KP2000B	2" Punch	2⅜"	2 lbs
KD2000B	2" Die	2⅜"	2 lbs
KP2500	2½" Punch	2⅞"	3 lbs
KD2500	2½" Die	2⅞"	3 lbs
KSN2530	Drive Screw for 2½" & 3" Punch & Die	–	1.5 lbs
KP3000	3" Punch	3½"	4 lbs
KD3000	3" Die	3½"	4 lbs
KP3500	3½" Punch	4"	4 lbs
KD3500	3½" Die	4"	4 lbs
KSN3540	Drive Screw for 3½" & 4" Punch & Die	–	4 lbs
KP4000	4" Punch	4½"	4 lbs
KD4000	4" Die	4½"	4 lbs

KEYWAY TOOL



Punches holes for oil-tight electrical switches. Keyway tool (Part # KKT316) forms 3/16" notch in punched hole to prevent rotary movement of switch.

35-TON HYDRAULIC PUNCH



Punches clean, burr-free bolt and small conduit holes in mild steel plates, beams, railings, bus bars or angle iron up to ½" thick.

- Portable or fixed applications. Lift and position with easy-carry handle or mount for production setups. Height 13¾", weight 35 lbs.
- Four punch and die sets included for round holes 7/16" - 13/16" diameter (gives clearance for ⅜", ½", ⅝" or ¾" bolts or conduit), plus die changeover tool set. Throat depth 3".
- Holding plates grip work while punching to prevent binding, and clamp punch in place to free operator's hands.

Hydraulic Pumps and Hoses recommended for use with SP-3500 Punch:

- PE20D Electric Pump
- HC913 6' Hose
- PH39 Manual Pump
- HC927 10' Hose
- PH80 Manual Pump

SEE PAGE 45 for info on Electric Pumps

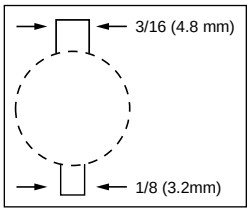
SEE PAGE 47 for info on Manual Pumps

Part #	Description	Weight
SP3500	35 ton Steel Punch Set	40 lbs

SET INCLUDES:

Part #	Description	Weight
SPD-438	⅜" Punch & Die Set	1 lb
SPD-563	½" Punch & Die Set	1 lb
SPD-688	⅝" Punch & Die Set	1 lb
SPD-813	¾" Punch & Die Set	1 lb
SPK10	Installation Kit	5 lbs

NOTCHING PLIERS



Creates clean notches for making keyways for push button switches.

- Ergonomically paddled handles for easy use.
- Accommodates up to 10-gauge mild steel.

Part #	Description	Weight
NP-1	Notching Pliers	3.3 lbs
NPR-1	Replacement Head for NP-1	1.2 lbs

To make easy keyway holes, use Gardner Bender's Keyway Tool Part # KKT-316.

SEE PAGE 118 for info on Keyway Tool

SUPER SLUG-OUT™ KNOCKOUTS FOR STAINLESS STEEL

- Exclusive three knife design splits the slug into three pieces, allowing easy removal from the die.
- High alloy construction offers 10 to 20 times the life of standard knockouts.
- Recommended only to be used with hydraulic drivers.
- Can be used with the following Gardner Bender Kits:
  - KOH14A - KOF540 - KOH520A - KOS5290
  - KOF520 - KOS520 - KOH540A

Use with Gardner Bender's Hydraulic pull rod, converters and drivers.

SEE PAGE 123 for info on Knockout Kits

SEE PAGE 121 for info on Pull Rods, Drivers & Converters

Part #	Description	Hole Size Inch	Hole Size mm	Capacity GA	Capacity mm	Weight
KPS500	½" Punch	0.88	22.5	10	3	0.7 lb
KDS500	½" Die	0.88	22.5	10	3	0.6 lb
KPS750	¾" Punch	1.12	28.3	10	3	0.8 lb
KDS750	¾" Die	1.12	28.3	10	3	0.8 lb
KPS1000	1" Punch	1.36	34.6	10	3	1.5 lbs
KDS1000	1" Die	1.36	34.6	10	3	1.4 lbs
KPS1732	1 7/32" Punch	1.21	30.5	10	3	1.1 lbs
KDS1732	1 7/32" Die	1.21	30.5	10	3	1 lb
KPS1250	1¼" Punch	1.70	43.2	10	3	2.5 lbs
KDS1250	1¼" Die	1.70	43.2	10	3	2 lbs
KPS1500	1½" Punch	1.95	49.6	10	3	3.3 lbs
KDS1500	1½" Die	1.95	49.6	10	3	2.7 lbs
KPS2000	2" Punch	2.42	61.5	10	3	5.4 lbs
KDS2000	2" Die	2.42	61.5	10	3	4.6 lbs

DRAW STUDS

Shown Actual Size

KPS50 2½" x ⅜"

KSA50 1⅜" x ¾"

KOR75125 3³⁄₁₆" x ¾"

KOR152 4¾" x ¾"

KPR7520 4¹³⁄₁₆" x ¾"

KC3540 2⅜" x 1⅛"

KOR50 3" x ⅜"

KPR7540 10⁵⁄₁₆" x ¾"

DRAW STUDS

Shown Actual Size

KSN3540 Stud 7⅝" x 1⅛"

KSN3540 Hex Drive Nut 2½" x 1⅜"

KS752B Draw Stud & Bearing 4¼" x ¾"

KSB50B Draw Stud & Bearing 2¾" x ⅜"

KSN2530 Stud 6" x ¾"

KSN2530 Hex Drive Nut 1½" x 1"

STAINLESS STEEL KNOCKOUT SETS

HYDRAULIC SUPER STAINLESS STEEL SLUG-OUT™ SET

½" - 2 Pipe Size.

- Punches stainless steel up to 10-gauge (3.5 mm).
- Exclusive three knife design splits slug into three pieces.
- Easy to use portable pump.
- Includes durable steel case.

Part #	Description	Weight
KSS520A	Hydraulic Super Slug-Out™ Set	35 lbs

SET INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
KPS500	½" Punch	⅞"	.4 lb	1	KDS1500	1½" Die	1 15/16"	2.5 lbs	10
KDS500	½" Die	⅞"	1 lb	2	KPS2000	2" Punch	2 3/8"	5 lbs	11
KPS750	¾" Punch	1 3/32"	.4 lb	3	KDS2000	2" Die	2 3/8"	4.5 lbs	12
KDS750	¾" Die	1 3/32"	1 lb	4	PH20	Hand Pump	–	5 lbs	13
KPS1000	1" Punch	1 11/32"	1 lb	5	KPR7540	Pull Stud for ¾" - 2"	–	2.5 lbs	14
KDS1000	1" Die	1 11/32"	1 lb	6	KPS50	Pull Rod for ½"	–	.2 lb	15
KPS1250	1¼" Punch	1 11/16"	2 lbs	7	CH1211	12 ton Hydraulic Cylinder	–	6 lbs	16
KDS1250	1¼" Die	1 11/16"	2 lbs	8	H864	6' Rubber Hose Coupler	–	2 lbs	17
KPS1500	1½" Punch	1 15/16"	3 lbs	9					

SUPER STAINLESS STEEL SLUG-OUT™ SET

½" - 2" Pipe Size.

- Punches stainless steel up to 10-gauge (3.5 mm).
- Exclusive three knife design splits slug into three pieces.
- Rugged storage case.
- Extended punch life.

Part #	Description	Weight
KSS520	½" - 2" Super Stainless Steel Knockout Set	4 lbs

SET INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
KPS500	½" Punch	⅞"	.4 lb	1	KPS1500	1½" Punch	1 15/16"	3.5 lbs	9
KDS500	½" Die	⅞"	1 lb	2	KDS1500	1½" Die	1 15/16"	2.5 lbs	10
KPS750	¾" Punch	1 3/32"	.4 lb	3	KPS2000	2" Punch	2 3/8"	5 lbs	11
KDS750	¾" Die	1 3/32"	1 lb	4	KDS2000	2" Die	2 3/8"	4.5 lbs	12
KPS1000	1" Punch	1 11/32"	1 lb	5	KPR7520	¾" - 2" Pull rod for hydraulic driver	–	1 lb	13
KDS1000	1" Die	1 11/32"	1 lb	6	KSA50	½" Adapter	–	.3 lb	14
KPS1250	1¼" Punch	1 11/16"	2 lbs	7	KPS50	½" Pull Stud	–	.2 lb	15
KDS1250	1¼" Die	1 11/16"	2 lbs	8	K88020	Metal Case	–	4 lbs	16

Use this set to expand your KOS5290 or KOS520.

SEE PAGE 114
for info on Hydraulic Drivers & Pull Studs

MECHANICAL SUPER STAINLESS STEEL SLUG-OUT™ SET

½" - 1¼" Pipe Size.

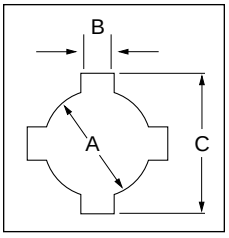
- Punches stainless steel up to 10-guage (3.5 mm).
- Exclusive three knife design splits slug into three pieces.
- Constructed of high alloy tool steel.
- Rugged storage case.

Part #	Description	Weight
KSS50125	½" - 1¼" Super Slug-Out™ for Stainless Steel	4 lbs

SET INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
KPS500	½" Punch	⅞"	.4 lb	**1**	KPS1250	1¼" Punch	$1^{11}/_{16}$"	2 lbs	**7**
KDS500	½" Die	⅞"	1 lb	**2**	KDS1250	1¼" Die	$1^{11}/_{16}$"	2 lbs	**8**
KPS750	¾" Punch	$1^{3}/_{32}$"	.4 lb	**3**	KSB50B	Bearing and Pull Stud for ½"	–	.5 lb	**9**
KDS750	¾" Die	$1^{3}/_{32}$"	1 lb	**4**	KS752B	Bearing and Pull Stud for ¾" - 2"	–	1 lb	**10**
KPS1000	1" Punch	$1^{11}/_{32}$"	1 lb	**5**	K88007	Storage case	–	1.5 lbs	**11**
KDS1000	1" Die	$1^{11}/_{32}$"	1 lb	**6**					

OIL TIGHT PUNCH SETS (4 NOTCHES)



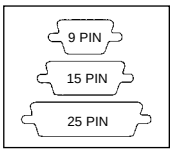
- High strength steel punches.
- Clean hole every punch.
- Easy to use.

Recommended use with hydraulic drivers but can be used mechanically.

Part #	Description	Hole (in) A	Hole (in) B	Hole (in) C	Hole (mm) A	Hole (mm) B	Hole (mm) C	Capacity GA	Capacity mm	Weight
KOS-8750OT	0.88" Oil Tight Knock Out Set*	.88	.13	1.00	22.50	3.20	25.40	14-10	3-2	1.4 lbs
KOS-1210OT	1.21" Oil Tight Knock Out Set*	1.21	.19	1.38	30.50	1.38	3.00	14-10	3-2	1.8 lbs

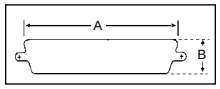
**Includes punch, die and drawstud*

MINI-D ELECTRONIC PUNCH SETS



Electronic connector panel punch.

- Convenient 9, 15, 25 pin connections.
- Punch is made of high grade tool steel.
- Clean burr free hole everytime.



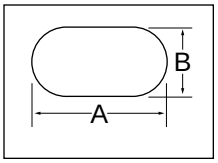
Recommended use with hydraulic drivers but can be used mechanically.

Part #	Description	No. of Pins	Hole (in) A	Hole (in) B	Hole (mm) A	Hole (mm) B	Gauge	Weight
KOS-DB9	9 Pin Mini-D Knock Out Set*	9	.78	.44	19.80	11.30	14	1.2 lbs
KOS-DB15	15 Pin Mini-D Knock Out Set*	15	1.11	.44	28.20	11.30	14	1.2 lbs
KOS-DB25	25 Pin Mini-D Knock Out Set*	25	1.65	.44	41.90	11.30	14	1.5 lbs

**Includes die, pull stud, counter nut and drive nut*

Note: For replacement parts please call Gardner Bender technical service department.

DOUBLE "D" PUNCHES



Punches up to 10-gauge (3 mm) mild steel.

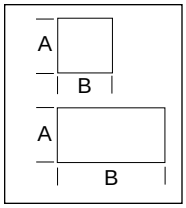
- Clean burr free punches.
- Easy accurate alignment.
- High strength steel.

Recommended use with hydraulic drivers but can be used mechanically.

Part #	Description	Hole (in) A	Hole (in) B	Hole (mm) A	Hole (mm) B	Capacity GA	Capacity mm	Weight
KOS-10DD	Double "D" Punch Set*	1.38	1.13	34.90	28.60	14	2	2.5 lbs

**Includes punch, die, pull stud, counter nut and drive screw*

RECTANGULAR & SQUARE PUNCH SETS



Punches up to 10-gauge (3 mm) mild steel.

- Clean burr free holes.
- Clearly marked die for easy alignment.
- High strength steel.

*Recommended use with **hydraulic driver only**.*

Part #	Description	Din Size	Hole (in) A	Hole (in) B	Hole (mm) A	Hole (mm) B	Capacity GA	Capacity mm	Weight
KOS-DIN18	Rectangular Punch Set*	1/8	1.81	3.62	46.00	92.00	10	3	3.2 lbs
KOS-22535	Rectangular Punch Set*	NA	2.25	3.50	57.20	88.90	10	3	2.5 lbs
KOS-1326	Rectangular Punch Set*	NA	1.38	2.05	35.00	52.00	10	3	2.0 lbs
KOS-14DIN	Square Punch Set*	1/4	3.66	3.66	92.00	92.00	10	3	2.0 lbs

**Includes punch, die, pull stud, counter nut and drive screw*

Note: For replacement parts please call Gardner Bender technical service department.

STUD PUNCH

Punches 1 11/32" holes for 1/2" to 1" conduit or pipe.

- Unique design accommodates punching all known shapes. Easily punches “H” studs without damaging flanges.
- Automatic stripper.
- High-leverage design permits punching holes in aluminum studs and mild steel (up to 20-gauge) with minimum effort.
- From the center of the punch to the back of the housing measures 2".

Part #	Description	Weight	Punch #	Weight	Die #	Weight
SP-6	Stud Punch	6 lbs	43-52	1 lb	43-95	1 lb

MASTER ELECTRICIAN'S HOLE SAW KIT

1/2" to 4" Pipe entrance size.

- Master electrician’s kit contains a wide range of small to large hole saws. Kit includes 10 hole saws and three arbors.
- Bi-metal, variable pitch teeth cut 45% faster and last longer than straight pitch saws.
- Convenient storage case.

Part #	Description	Weight
HSK-540	Master Electrician's Hole Saw Kit	8.3 lbs

KIT INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
HS-14B	1/2" Hole Saw	7/8"	.1 lb	**1**	HS-58	3" Hole Saw	3 1/2"	.6 lb	**8**
HS-18B	3/4" Hole Saw	1 3/32"	.1 lb	**2**	HS-66	3 1/2" Hole Saw	4"	.8 lb	**9**
HS-22B	1" Hole Saw	1 11/32"	.15 lb	**3**	HS-72	4" Hole Saw	4 1/2"	.9 lb	**10**
HS-28B	1 1/4" Hole Saw	1 11/16"	.15 lb	**4**	HSA-24B	1/4" x 1/4" Arbor	–	.1 lb	**11**
HS-32B	1 1/2" Hole Saw	1 15/16"	.15 lb	**5**	HSA-44B	7/16" x 1/2" Arbor	–	.1 lb	**12**
HS-40B	2" Hole Saw	2 3/8"	.2 lb	**6**	HSA-45PB	7/16" x 1/2" Arbor	–	.3 lb	**13**
HS-48	2 1/2" Hole Saw	2 7/8"	.5 lb	**7**					

SEE PAGE 128
for info on Individual Hole Saws

SEE PAGE 129
for info on Individual Arbor Bits

SPECIAL ELECTRICIAN'S HOLE SAW KIT

2½" to 4" Pipe entrance size.

- Kit contains 4 large hole saws and one arbor for the big jobs.
- Bi-metal, variable pitch teeth cut 45% faster and last longer than straight pitch saws.
- Convenient storage case.

Part #	Description	Weight
HSK-254	Special Electrician's Hole Saw Kit	7 lbs

KIT INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
HS-48	2½" Hole Saw	2⅞"	.5 lbs	1	HS-72	4" Hole Saw	4½"	.9 lb	4
HS-58	3" Hole Saw	3½"	.6 lbs	2	HSA-45PB	7/16" x ½" Arbor	–	.3 lb	5
HS-66	3½" Hole Saw	4"	.8 lbs	3					

SEE PAGE 128 for info on Individual Hole Saws

SEE PAGE 129 for info on Individual Arbor Bits

ELECTRICIAN'S HOLE SAW KIT

½" to 2" Pipe entrance size.

- Electrician's hole saw kit contains 6 hole saws and 2 arbors for general purpose use.
- Bi-metal, variable pitch teeth cut 45% faster and last longer than straight pitch saws.
- Durable carrying case.

Part #	Description	Weight
HSK-520	Electrician's Hole Saw Kit	2.8 lbs

KIT INCLUDES:

Part #	Description	Hole Size	Weight	I.D. #	Part #	Description	Hole Size	Weight	I.D. #
HS-14B	½" Hole Saw	⅞"	.1 lb	1	HS-32B	1½" Hole Saw	1 15/16"	.15 lb	5
HS-18B	¾" Hole Saw	1 3/32"	.1 lb	2	HS-40B	2" Hole Saw	2⅜"	.2 lb	6
HS-22B	1" Hole Saw	1 11/32"	.15 lb	3	HSA-44B	7/16" x ½" Arbor	–	.1 lb	7
HS-28B	1¼" Hole Saw	1 11/16"	.15 lb	4	HSA-45PB	7/16" x ½" Arbor	–	.3 lb	8

SEE PAGE 128 for info on Individual Hole Saws

PILOT DRILL BITS

- High speed drill bits.
- For use in any machinable material: stainless steel, wood, plastics, aluminum, brass and cast iron.
- Adapter nut adapts arbors with ½" - 20 threads to fit hole saws with ⅝" - 18 threads.

Part #	Description	Weight
HSD-2	Pilot Drill Bit, 2¾" x ¼"	.1 lb
HSD-4B	Pilot Drill Bit, 4½" x ¼"	.1 lb
HSN-44	Adapter Nut	.1 lb

INDIVIDUAL HOLE SAWS

- Variable-pitch design (4-6 teeth per inch) reduces labor and tool costs by cutting 45% faster and lasting longer than the straight 6-pitch saws.
- Bi-metal blades combine the toughness and shock resistance of an alloy with the cutting ability of high speed steel.
- For use in any machinable material: wood, plastic, aluminum, brass, cast iron, stainless steel.

Part #	Description	Pipe Size	Hole Size O. D.	Weight
HS-12B	Hole Saw	⅜"	¾"	.1 lb
HS-14B	Hole Saw	½"	⅞"	.1 lb
HS-18B	Hole Saw	¾"	1 3/32"	.1 lb
HS-22B	Hole Saw	1"	1 11/32"	.15 lb
HS-24B	Hole Saw	–	1½"	.15 lb
HS-28B	Hole Saw	1¼"	1 11/16"	.15 lb
HS-32B	Hole Saw	1½"	1 15/16"	.15 lb
HS-40B	Hole Saw	2"	2⅜"	.2 lb
HS-48B	Hole Saw	2½"	2⅞"	.5 lb
HS-58B	Hole Saw	3"	3½"	.6 lb
HS-66B	Hole Saw	3½"	4"	.8 lb
HS-72B	Hole Saw	4"	4½"	.9 lb

RECOMMENDED HOLE SAWING SPEEDS (RPM):

Hole Saw Size (in)	(mm)	Mild Steel	Tool and Stnlss Steel	Cast Iron	Brass	Aluminum
¾	19	460	230	300	600	690
⅞	22	390	195	260	520	585
1½	38	230	115	150	300	345
1 11/16	43	205	100	135	270	305
2⅜	60	140	70	95	190	220
2⅞	73	120	60	80	160	180
3½	89	95	45	65	125	145
4	102	85	40	55	115	125
4½	114	75	35	50	100	105

HOLE SAW ARBORS

- All arbors are complete with pilot drill.

Part #	Description	Weight	Shank Size	Thread Size	Repl Drill	Chuck Size
HSA-24B	1/4" x 1/4" Arbor	.1 lb	1/4" Round	1/2" - 20	HSD-4B	1/4"
HSA-34	3/8" x 3/8" Arbor	.2 lb	3/8" Hex	1/2" - 20	HSD-2	3/8"
HSA-44B	7/16" x 1/2" Arbor	.1 lb	7/16" Hex	1/2" - 20	HSD-4B	1/2"
HSA-35P	3/8" x 3/8" Arbor	.6 lb	3/8" Hex	5/8" - 18	HSD-2	3/8"
HSA-45PB	7/16" x 1/2" Arbor	.3 lb	7/16" Hex	5/8" - 18	HSD-4B	1/2"

HACK SAW FRAME

Lightweight, high-tension frame – up to 35,000 pounds per square inch.

- Cast aluminum handle and solid front end piece for easier handling and durability.
- Storage area for spare blades.
- Permanently inserted blade pins.

Part #	Description	Weight
HCS-100	12" Hack Saw Frame	.5 lb

HACK SAW BLADES

American made high quality hack saw blades.

- Blades offer a super-sharp high-speed cutting edge.
- Bi-metal blades combine the toughness and shock resistance of alloy with the cutting ability of high speed steel.
- Use with high tension frames for the best performance and safety.
- To select proper pitch, three teeth minimum must be in contact with the work at all times.

Part #	P Length	TPI	Qty	Weight	Capacity
HCB-1218	12"	18	10	.1 lb	Cuts material 1/4" and thicker
HCB-1224	12"	24	10	.1 lb	Cuts material 1/8" - 1/4" thick
HCB-1232	12"	32	10	.1 lb	Cuts material 1/8" thick and less

RECIPROCATING SAW BLADES

High quality reciprocating saw blades.

- Bi-metal construction for faster cutting and longer blade life.
- Wider, thicker design for faster cuts and reduced vibration.
- A wide variety of models for cutting steel pipe, conduit, sheet metal, wood, aluminum, copper, plaster and plastic.

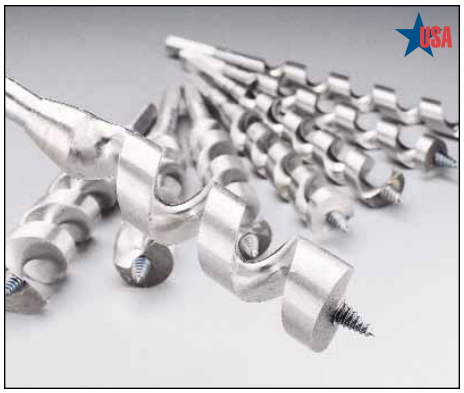
Part #	Qty	Length	TPI	Weight	Cuts	Capacity	Blade Shape
RS-614	5/pouch	6"	14	.25 lb	Metal	Heavy gauge metals ⅛" thick and above. Barstock and angles.	
RS-318	5/pouch	3"	18	.22 lb	Metal	Irregular curves metal under ⅛" thick, scroll cuts in wood and cast aluminum. Light gauge non-ferrous materials.	
RS-618	5/pouch	6"	18	.25 lb	Metal	Heavy gauge metals of 18-gauge to 1/8" thick conduit, pipe, channels and tubing.	
RS-624	5/pouch	6"	24	.25 lb	Metal	Metals 18-gauge and under. Trim and tubing. Galvanized pipe under 18-gauge.	
RS-656	5/pouch	6"	6	.25 lb	Wood	Fast cutting in all wood or nail-embedded wood. General roughing-in work.	
RS-126	5/pouch	12"	6	.5 lb	Wood		
RS-610	5/pouch	6"	10	.27 lb	Wood/Metal	Wood, nail-embedded wood, compositions, plastic, cast aluminum and non-ferrous materials.	
RS-814	5/pouch	8"	14	.25 lb	Wood/Metal	All wood, plastic, cast aluminum, nail-embedded wood, soil pipe.	
RS-606	5/pouch	6"	6	.25 lb	Plaster	Plaster with metal lathe, plaster board, sheet rock, plaster walls. Tooth design cuts both forward and back stroke.	

STEP BITS

Drills large holes in confined spaces.

- Self-starting, self-centering drill tip. No pilot hole required.
- For accurate step-by-step drilling in sheet metals. Drills through 10-gauge mild steel or stainless steel.
- Double flute cutting action drills clean, round holes quickly and safely with minimum effort.
- Exclusive three-lobed shank for positive, non-slip grip in drill chucks.
- Made of high speed steel for faster drilling and longer life.
- Applications include junction boxes, switch boxes, metal studs, electrical appliances, lighting fixtures and many other uses.

Part #	Sizes	Increments	No. of Sizes	Shank Size	Step Thickness	Weight
SB-201	⅛" - ½"	1/32"	13	¼"	⅛"	.6 lb
SB-203	3/16" - ½"	1/16"	6	¼"	3/8"	.5 lb
SB-205	¼" - ¾"	1/16"	9	3/8"	⅛"	1 lb
SB-207	3/16" - ⅞"	1/16"	12	3/8"	⅛"	1.3 lbs
SB-209	⅞" - 1⅛"	–	2	½"	⅛"	1.5 lbs
SB-210	⅞" - 1⅜"	1/16"	11	3/8"	⅛"	1.8 lbs



Short

Long

POWER SHIP AUGER BITS

Used for drilling wood where small nails and other materials may be encountered.

- Hollow center twist designed for fast, continuous flow of chips.
- Single cutter and side lip head designed for clean holes and easy removal from hole.
- Medium, fast screw pitch.
- Entire bit is heat treated for long life.
- Cutting head can be sharpened to extend life of bit.
- Add up to 18" of reach with GB's Bit Extensions.

SHORT POWER SHIP AUGER BITS:

- Easy access in tight spaces.

Part #	Length	Shank	Hole	Weight
SA-10S	7½"	5/16"	5/8"	.33 lb
SA-11S	7½"	5/16"	11/16"	.33 lb
SA-12S	7½"	5/16"	3/4"	.33 lb
SA-13S	7½"	5/16"	13/16"	.53 lb
SA-14S	7½"	5/16"	7/8"	.53 lb
SA-16S	7½"	5/16"	1"	.53 lb
SA-18S	7½"	5/16"	1 1/8"	.78 lb
SA-20S	7½"	5/16"	1 1/4"	.78 lb

LONG POWER SHIP AUGER BITS:

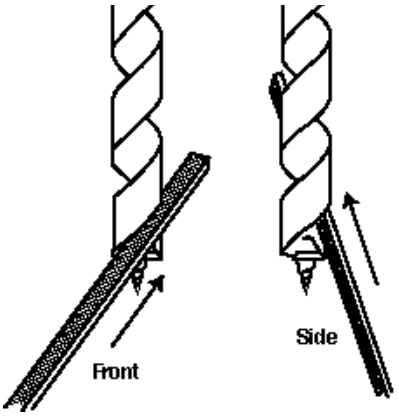
- Designed for deep boring in wood with 12" twist.

Part #	Length	Shank	Hole	Weight
SA-08	17"	5/16"	1/2"	.75 lb
SA-10	17"	7/16"	5/8"	.75 lb
SA-11	17"	7/16"	11/16"	.1 lb
SA-12	17"	7/16"	3/4"	.1 lb
SA-13	17"	7/16"	13/16"	1.2 lbs
SA-14	17"	7/16"	7/8"	1.2 lbs
SA-15	17"	7/16"	15/16"	1.53 lbs
SA-16	17"	7/16"	1"	1.53 lbs
SA-18	17"	7/16"	1 1/8"	1.83 lbs
SA-20	17"	7/16"	1 1/4"	2.16 lbs

SEE PAGE 132 for info on Bit Extensions

To maintain a tough yet smooth cutting action, oil the tip after use and wrap in a cloth to help prevent damage and corrosion.

To extend the life of an auger bit, sharpen the inside cutting edge. Rest the bit on a board with the screw point down. Using a square tapered file, sharpen the front and side cutting edge. File with an upward motion. Never sharpen outside edges. Be careful not to destroy the threads on the screw point while sharpening cutting edges.



BELL HANGER BITS

For boring in wood, plaster, metal lath and most every material encountered during wiring installations.

- For installing small wire in homes, offices, garages, new and existing construction.
- Hole in flute (head) makes it easy to pull wires through walls, ceilings and floors.
- Heat-treated for maximum strength and longer wear.
- Makes fast, smooth holes.
- Long flute section for deep boring.

Part #	Length	Shank	Hole	Weight
BH-1804	18"	15/64"	1/4"	.3 lb
BH-1805	18"	9/32"	5/16"	.3 lb
BH-1806	18"	11/32"	3/8"	.5 lb
BH-1808	18"	3/8"	1/2"	.5 lb
BH-1810	18"	3/8"	5/8"	.6 lb

POWERED DRILL BIT EXTENSIONS

For wood bits with 1/4", 5/16" and 7/16" shank sizes.

- Heavy-duty, double set screw lock. Allen wrench included.
- Forged from the highest grade steel.
- Adds 12" or 18" reach to regular bit lengths.

Part #	Description	Length	Size	Weight
EX-1204	Follows 5/8" and larger bits	12"	1/4"	.6 lb
EX-1805	Follows 11/16" and larger bits	18"	5/16"	.8 lb
EX-1807	Follows 11/16" and larger bits	18"	7/16"	1.5 lbs

FLEXDRILL™ DRILL BITS

GB FlexDrills™ drill holes and fish wire inside existing walls quickly and easily.

- A flexible spring steel shaft is attached to a premium quality drill bit.
- Holes in flute and in shaft end provide versatility when installing wire.
- Two available styles:

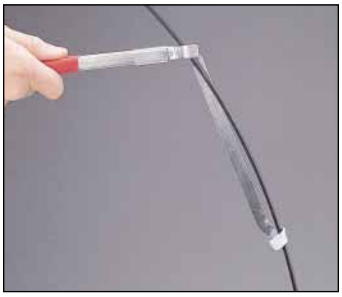
  Combination w/ Screw Point (Type B): Can be used for soft woods and metals. Screw point helps guide bit through wood.

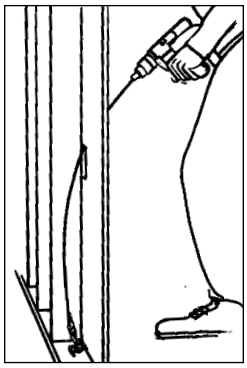
  Combination (Type C): Good for light sheet metal and drilling of soft and hard woods.

- Bit diameters from 3/8" to 1"; shaft lengths 54" and 72".

Part #	Type	Style	Bit Dia.	Length	Shaft Dia.	Weight
FD-5438B	B	Combination w/ Screw Point	3/8"	54"	3/16"	1.6 lbs
FD-5438C	C	Combination	3/8"	54"	3/16"	1.6 lbs
FD-7238C	C	Combination	3/8"	72"	3/16"	2.1 lbs
FD-7000	Manipulator™ Placement Tool					2.1 lbs

CAUTION: Do not use GB FlexDrills™ on or near live electrical circuits. Always wear approved eye protection. Always wear approved safety hat to prevent snagging hair.





Use GB's Manipulator™ placement tool to bend and direct the FlexDrill™ to the proper drilling position.

CM7

TOOL-GUARD™ METAL STORAGE CASES

Shelter equipment from dust, grease, dirt or loss on the jobsite, maintenance area or shop.

- Constructed of durable 16-gauge steel with quality arc-welded seams.
- Dual rolled-lip design resists sprung hinges, keeps cover aligned, adds rigidity and strength.
- Continuous heavy-duty hinges stand up to rugged use.
- Water-resistant design retards leakage.
- Bottom skids enhance protection and permit easy forklift movement.
- Recessed closure shields padlock from cutting and prying attempts. (lock not included).
- Painted with rust-resistant primer and finished in durable red enamel.

CM16

Part #	Size cu. in.	Inside Dimensions Length	Width	Rear Height	Front Height	Shelf Dimensions Length	Width	Weight
CM4	4½	31"	14"	14"	14"	–	–	51 lbs
CM7	8	36"	19"	18"	18"	–	–	90 lbs
CM16	18	48"	24"	25"	25"	–	–	146 lbs
CM20	28	60"	24"	28"	28"	59½"	5¼"	182 lbs

Use #5 Master Lock™ when locking boxes.

CM44

OPTIONAL CASTERS

Sets of four hard-rubber casters (two fixed, two swivel) include necessary mounting hardware.

Part #	Thread Size	Width	For Cases	Weight
CM44	4"	2"	CM16	18 lbs
CM64	6"	2.5"	CM20	27 lbs

ELECTRICIAN'S UTILITY SAW

Reduce hand fatigue when cutting by using Gardner Benders contoured utility saw.

- Pointed blade starts holes quickly and easily.
- Heavy gauge steel ensures durability and longer life.
- Blade anchored into hardwood handle with steel ferrule for extra strength.
- Non-clogging teeth for clean, accurate cuts.
- Contoured handle provides maximum comfort and grip.

Part #	Description
US-6	Electrician's Utility Saw

VOLTAGE TESTER FEATURES:

Part #	AC Voltage	DC Voltage	Lead Length	UL	cUL / CSA	Visual	Audible	Vibration	Polarity	Continuity Test	Pocket Clip	Replaceable Leads	Warranty
GET-100A	90 - 500	90 - 500	4½"	●	●	●					●		1
GET-102A	90 - 300	90 - 300	4½"	●	●	●					●		1
GET-102HV	100 - 250	100 - 250	4½"	●	●	●							1
GET-202A	5 - 50	5 - 50	4½"	●	●	●					●		1
GAT-400	–	6 - 12	30"			●					●		1
GAT-502	–	6 - 24	30"			●							1
GST-201	80 - 250	80 - 250	screwdriver			●					●		1
GET-213A	120 - 480	110	4½"	●	●	●					●		1
GET-213HV	100 - 300	100 - 300	4½"	●	●	●							1
GET-206	120 - 480	150 - 500	36"	●	●	●							5
GET-206P	120 - 480	120 - 480	36"	●	●	●			●				5
GET-207	4.5 - 440	4.5 - 440	36"	●	●	●			●	●			5
GCV-206	12 - 440	–	screwdriver	●	●	●				●	●		1
GVT-92	120 - 600	120 - 600	30"	●	●	●		●	●				1
GVC-300	120 - 600	120 - 600	30"	●	●	●	●	●	●	●		●	5
GVC-1000	24 - 600	6 - 220	32"	●	●	●	●		●	●			5

One Year Warranty

c UL us

LOW VOLTAGE TWIN PROBE CIRCUIT TESTER

Tests AC/DC Voltage from 5 - 50 V.

- Indicator glows when voltage is present and brightens as voltage increases.
- Insulated alligator clip test leads.
- Pocket clip for added convenience.
- Reinforced casing.

Part #	Description
GET-202A	Low Voltage Tester

One Year Warranty

AUTOMOTIVE CIRCUIT TESTER

Tests DC Voltage from 6 - 12 V.

- Pointed probe for piercing wires.
- Alligator clip for one-hand testing.
- 30" test leads.

Part #	Description
GAT-400	Automotive Circuit Tester

One Year Warranty

AUTOMOTIVE CIRCUIT TESTER

Tests DC Voltage from 6 - 24 V.

- Pointed probe for piercing wires.
- Shielded alligator clip for one-hand testing.
- 30" test leads.

Part #	Description
GAT-502	Automotive Circuit Tester

One Year Warranty

c UL us

TWIN PROBE CIRCUIT TESTER

Tests AC/DC Voltage from 90 - 500 V.

- Neon indicator glows when voltage is present and brightens as voltage increases.
- Insulated housing.
- Insulated test leads.
- Pocket clip for added convenience.

Part #	Description
GET-100A	90 - 500 V AC/DC Circuit Tester

One Year Warranty

c UL us

TWIN PROBE CIRCUIT TESTER

Tests AC/DC Voltage from 90 - 300 V.

- Neon indicator glows when voltage is present and brightens as voltage increases.
- Insulated housing.
- Insulated leads.
- Pocket clip for added convenience.

Part #	Description
GET-102A	90 - 300 V AC/DC Circuit Tester

One Year Warranty

CIRCUIT TESTER & SCREWDRIVER

Tests AC/DC Voltage from 80 - 250 V.

- Handy pocket screwdriver is a fully functional voltage tester.
- Insulated screwdriver shaft.
- Pocket clip for added convenience.

Part #	Description
GST-201	80 - 250 V AC/DC Circuit Tester

One Year Warranty

HEAVY-DUTY 4-WAY VOLTAGE TESTER

Tests AC Voltage at 120, 240, 277 and 480 V and DC Voltage at 110 V.

- Individual indicators for each voltage range assures reliability.
- Functional, lightweight design features twin flexible leads and convenient pocket clip.
- Reinforced casing and test leads provided.
- Test leads store in housing.

Part #	Description
GET-213A	4-way Live Circuit Voltage Tester

One Year Warranty

HIGH VISIBILITY VOLTAGE TESTER

Tests AC/DC Voltage from 100 - 250 V.

- Large, high visibility neon bulb positively indicates the presence of voltage.
- Probes snap on bottom of housing for easy single hand testing.
- Insulated leads and housing.
- US Patent 6,137,285, Des 416,819.

Part #	Description
GET-102HV	High Visibility Voltage Tester, 100 - 250 V AC/DC

One Year Warranty

HIGH VISIBILITY DUAL INDICATION VOLTAGE TESTER

Tests AC/DC Voltage from 100 - 300 V.

- Two large, high visibility neon bulbs positively indicates the presence of voltage.
- Individual indicators for each voltage range assures reliability of testing.
- Probes snap on bottom of housing for easy single-hand testing of outlets.
- Insulated leads and housing.
- US Patent 6,137,285, Des 416,819.

Part #	Description
GET-213HV	High Visibility Dual Indication Voltage Tester, 100 - 300 V AC/DC

Five Year Warranty

6-WAY CIRCUIT TESTER

Tests AC Voltage at 120, 240, 480 V and DC Voltage at 150, 300 and 500 V.

- 36" test lead.
- Bright neon indicators.
- Rugged twin probe design features heavy-duty test lead insulators.

Part #	Description
GET-206	6-way Voltage Tester

Five Year Warranty

6-WAY CIRCUIT TESTER WITH POLARITY INDICATORS

Tests AC/DC Voltage at 120, 240 and 480 V.

- Tests for polarity.
- 36" test lead.
- Bright neon indicators.
- Rugged twin probe design features heavy-duty test lead insulators.

Part #	Description
GET-206P	6-way Voltage Tester with Polarity Indicators

Five Year Warranty

VOLTAGE & CONTINUITY TESTER

Tests AC/DC Voltage from 4.5 - 440 V.

- LEDs indicate polarity.
- Tests for continuity with push-button operation.
- Rugged twin probe design features heavy-duty test lead insulators.

Part #	Description
GET-207	4.5 to 440 V AC/DC & Continuity Tester

One Year Warranty

COMBINATION SCREWDRIVER, VOLTAGE PROBE & CONTINUITY TESTER

Tests for Continuity and AC Voltage.

- Tests continuity without wire probes on non-energized circuits.
- Tests from 12 - 440 V AC on energized circuits.
- LED indicator glows when voltage or continuity exists.
- Batteries included.
- Convenient screwdriver tip.

Part #	Description
GCV-206	Voltage Probe/Continuity Tester

One Year Warranty

SOLENOID VOLTAGE TESTER

Test AC/DC Voltage from 120 - 600 V and DC Polarity.

- Dual voltage indication: solenoid vibration and neon bulb.
- Retractable spring-loaded probe guards protect metal tips and lock back out of the way for easy use.
- Built-in slots in housing hold probes for one-hand testing.
- Leads store in housing for convenient carrying in pocket or pouch.
- High-impact case stands up to rugged service.

Part #	Description
GVT-92	Solenoid Tester
CSE-1000	Soft Nylon Case - Optional

SEE PAGE 154 for info on Cases

Five Year Warranty

VOLT-DOCTOR® VOLTAGE & CONTINUITY TESTER

Tests AC/DC Voltage from 120 - 600 V and Continuity.

- Indicates DC polarity.
- Tests continuity.
- Triple voltage indication: solenoid vibration, visual LEDs and audible buzzer.
- Ergonomic soft PVC housing for comfort grip and impact resistance.
- Replaceable leads model RTL-094.
- Two 1.5 V button cell batteries included.
- Patent no. 5,481,185 and Des 355,609.

Part #	Description
GVC-300	Volt-Doctor® Voltage & Continuity Tester
CSE-1000	Soft Nylon Case - Optional

SEE PAGE 154 for info on Cases

Five Year Warranty

NEW VOLT CHECK™ VOLTAGE & CONTINUITY TESTER

Measures AC/DC Voltage, Continuity and includes a non-contact AC Voltage Sensor.

- Automatically selects proper function with no adjustments necessary.
- Measures AC voltage to from 24 - 600 V.
- Measures DC voltage to from 6 - 220 V.
- Indicates DC polarity.
- Non-contact AC voltage sensing to 600 V.
- Tests continuity.
- Convenient magnetic back for hands free use.
- Rubber overmolding.

Part #	Description
GVC-1000	Volt Check™*
CSE-1200	Soft Nylon Case - Optional

*Patents Pending

SEE PAGE 154 for info on Cases

CONTINUITY TESTER FEATURES:

Part #	Visual	Flashlight	Pocket Clip	Plastic Housing	Metal Housing	UL	Lead Length	Warranty	Batteries (not included)
GCT-304A	●			●		N/R	36"	1	(2) AA
GCT-204	●			●		N/R	30"	1	(2) AAA
GFT-200	●	●	●		●	N/R	26"	1	(2) AA
GAT-503	●			●		N/R	30"	1	(1) AAA

One Year Warranty

ECONOMICAL CONTINUITY TESTERS

Tests for continuity in non-energized circuits.

- Fully shielded indicator bulb.
- Insulated test lead with alligator clip.

GCT-304A

GAT-503

Part #	Description	Batteries
GCT-304A	Continuity Tester	2 AA (not included)
GAT-503	Continuity Tester	1 AAA (not included)

One Year Warranty

HEAVY-DUTY CONTINUITY TESTER

Tests for continuity in non-energized circuits.

- 30" insulated test lead with alligator clip.
- Bright indicator bulb lights if continuity exists.

Part #	Description	Batteries
GCT-204	Continuity Tester	2 AAA (not included)

One Year Warranty

HEAVY-DUTY CONTINUITY TESTER & FLASHLIGHT

Tests for continuity in non-energized circuits.

- Lighted flashlight tip indicates circuit continuity.
- Pocket clip can be positioned as a probe in tight spots.
- 26" long test leads with alligator clip probe.
- Doubles as a pocket flashlight.
- Heavy-duty brass body provides complete conductivity and strength.

Part #	Description	Batteries
GFT-200	Continuity Tester/Flashlight	2 AA (not included)

NON-CONTACT VOLTAGE TESTER FEATURES:

Part #	Detection Range	Visual	Audible	Adjustable Sensitivity	Detects Metal	Pocket Clip	UL / cUL	Warranty	Batteries (included)
GVD-504A	50-600 V AC	●	●			●	●	5	(2) Button Cells
GVD-504LV	12-90 V AC	●	●			●	●	5	(2) Button Cells
GVD-505A	12-600 V AC	●	●	●		●	●	5	(2) Button Cells
GAT-550	DC Spark	●		●		●		5	(3) Button Cells
GPD-902	50-600 V AC	●	●	●	●			1	9 Volt

CIRCUIT ALERT™ NON-CONTACT VOLTAGE DETECTOR

Five Year Warranty

c UL us

CAT III 600 V

Indicates the presence of AC Voltage from 50 - 600 V.

- Visual (flashing) and audible (beeping) indicators signal presence of voltage.
- Built-in “safe test” feature assures batteries are operating properly.
- Compact design fits in shirt pocket.
- Batteries included.
- Patent No. 5,877,618 and Des 383,988.

Part #	Description
GVD-504A	Circuit Alert™ Non-contact Voltage Detector

NEW LOW VOLT CIRCUIT ALERT™

Five Year Warranty

c UL us

CAT III 600 V

Detects the presence of AC Voltage from 12 - 90 V.

- Visual (flashing) and audible (beeping) indicators signal presence of voltage.
- Built-in “safe test” feature assures batteries are operating properly.
- Compact design fits in shirt pocket.
- Batteries included.
- Patent No. 5,877,618 and Des 383,988.

Part #	Description
GVD-504LV	Low Volt Circuit Alert™

NEW LIVE-WIRE™

Five Year Warranty

c UL us

CAT III 600 V

Adjustable sensitivity detects the presence of AC Voltage from 12 - 600 V without contacting wires.

- Visual (flashing) and audible (beeping) indicators signal presence of voltage.
- Adjustable sensing levels.
- Built-in “safe test” feature assures batteries are operating properly.
- Rubber grip for added comfort.

*Patents Pending

Part #	Description
GVD-505A	Live-Wire™*

Five Year Warranty

NEW TRU-SPARK™ IGNITION FIRING INDICATOR

Tests for the presence of secondary voltage without piercing or removing spark plug wires.

- Visual indicators.
- Adjustable sensitivity.
- Batteries included.
- Compact pocket design.

Part #	Description
GAT-550	Tru-Spark™

One Year Warranty

IN-WALL PIPE & WIRE DETECTOR

Locates metal objects and live unshielded conductors behind drywall, paneling and plaster walls.

- Detects voltage from 50 - 600 V AC.
- Visual and audible indicators.
- Adjustable sensitivity.
- Battery included.

Part #	Description
GPD-902	Pipe and Wire Detector

RECEPTACLE TESTER / ANALYZER FEATURES:

							Tests for:							
Part #	AC Voltage	UL	cUL / CSA	Neon Indicators	LED Indicators	Warranty	Open Ground	Open Neutral	Open Hot	Hot / Ground Reversed	Hot / Neutral Reversed	Correct Wiring	GFCI Test Function	High Ground Resistance
GRT-500A	120	●	●	●		1	●	●	●	●	●	●		
GFI-501A	120	●	●	●		1	●	●	●	●	●	●	●	
GRT-800	120	●	●		●	5	●	●	●	●	●	●	●	●

One Year Warranty

RECEPTACLE TESTER & CIRCUIT ANALYZER

Tests standard receptacles to ensure proper wiring.

- Neon indicators give positive indication of circuit status.
- Compact unit simply plugs into any standard 3-wire/grounded receptacle (110 - 125 V AC circuits).
- Tests for six circuit conditions: open ground, open neutral, open hot, hot/ground reverse, hot/neutral reverse and correct wiring.
- Succession of yellow and red lights provide indication of circuit status or specify wiring errors.
- Easy to read three views – top, side and bottom.
- Will not normally trip GFCI.

Part #	Description
GRT-500A	Receptacle Tester

One Year Warranty

GROUND FAULT RECEPTACLE TESTER & CIRCUIT ANALYZER

Tests ground fault receptacles by overloading circuit and tripping GFCI.

- Easy to use. Simply plug tester into any circuit protected by a ground fault receptacle (110 - 125 V AC) and press black button to overload circuit.
- Tests for seven conditions: ground fault interruption, open ground, open neutral, open hot, hot/ground reverse, hot/neutral reverse and correct wiring.
- Succession of yellow and red lights provide indication of circuit status or specify wiring errors.
- Tester trips GFCI between 6 - 9 mA.

Part #	Description
GFI-501A	Ground Fault Tester

Five Year Warranty

SURE WIRE™ BRANCH CIRCUIT ANALYZER

Tests receptacle wiring and grounding in standard and GFCI outlets.

- Operates on live 120 V circuits.
- Simple push-button operation tests receptacles connected to ground fault protected circuits for proper operation.
- Detects seven common wiring conditions: normal, bad ground, open neutral, reversed hot/neutral, reversed hot/ground, open hot, and ground fault interruption.
- US Patent Des 396,013.

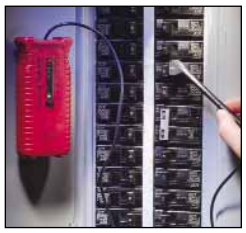
Part #	Description
GRT-800	Branch Circuit Analyzer

Five Year Warranty

CIRCUIT TRACKER™

Easily locates circuits without turning off breakers or fuses.

- Easy to use with transmitter plugged into live 120 V outlet.
- Audible and visual indicators.
- Exclusive probe design.
- Built-in battery strength indicator.
- Impact-resistant Soft-grip™ housing.
- Uses 9 V battery (not included).
- With GET-1200AS adapter kit, can also be used to identify light bulb sockets and light switches.
- US Patent 6,163,144, Des 416,503, Des 413,824.



Part #	Description
GET-1200	Circuit Tracker™

SEE PAGE 144 for info on Circuit Tracker™ Adapter Set

One Year Warranty

NEW CIRCUIT TRACKER™ ADAPTER SET

Locates circuit breakers or fuses for light fixtures, switch circuits or any bare wires.

- Fully insulated alligator clips.
- Use with 110 - 125 V AC circuits.

Part #	Description
GET-1200AS	Circuit Tracker™ Adapter Set

One Year Warranty

STUD SEEKER™

Detects wood and metal studs in Sheetrock™, plywood, paneling and flooring up to ¾" thick.

- Most compact stud finder; easily fits in shirt pocket.
- Bright LEDs indicate stud edges.
- Durable ABS housing, can be thrown in toolbox.
- Uses four 1.5 V button cell batteries (included).

Part #	Description
GSS-500	Stud Seeker™*

*Patents Pending

One Year Warranty

NEW AUDIBLE STUD SEEKER™

Locates wood or metal studs and joists through drywall, plywood, paneling and flooring.

- Metal marking scribe marks stud edges without a pencil.
- Built-in bubble vial level.
- Visible and audible indicators ensure accuracy.
- Bright LEDs indicate stud edge.
- Chirping indicator.

Part #	Description
GSS-510A	Audible Stud Seeker™*

*Patents Pending

ANALOG MULTIMETER FEATURES:

Part #	AC Voltage	DC Voltage	AC Amps	DC Amps	Ohms	Decibels	Fuse	Accuracy	Audible Continuity Check	Manual Range Selection	Total Ranges	Measures Capacitors	Measures Transistors	Diode Check	Data Hold	Auto Polarity	Battery Test	Measures Temperature	Handle / Bench Stand	UL	cUL / CSA	Warranty
GMT-12A	500	500	–	250 mA	1 Meg	-20 to +56dB	250 mA	±5%		●	12									●	●	1
GMT-18A	1000	1000	–	250 mA	10 Meg	-20 to +62dB	2 A	±5%		●	14						●			●	●	1
GMT-19A	1000	1000	–	10 A	10 Meg	-8 to +62dB	2 A	±5%	●	●	19						●		●	●	●	1
GMT-41P	1000	1000	–	10 A	20 Meg	-8 to +62dB	2 A	±5%	●	●	27		●				●	●	●	●	●	5

One Year Warranty

c UL us

SEE PAGE 154
for info on Leads & Cases

FIVE FUNCTION, 12-RANGE MULTIMETER

Tests AC/DC voltage, DC current, resistance and decibels.

- Includes test leads, instruction manual and battery.
- Impact resistant shell.
- Convenient, pocket-size instrument.
- Spare fuse included.
- Separate battery/fuse compartment.

Part #	Description
GMT-12A	12-Range Multimeter with two test leads
CSE-1000	Soft Nylon Case - Optional

Tester Specifications

DC Voltage	10, 50, 250, 500 V
AC Voltage	10, 50, 250, 500 V
DC Current	0.5m, 50m, 250m A
Resistance	1 MΩ
Decibels	-20dB to 56dB on AC V ranges
Accuracy	DC Voltage ±4%
	AC Voltage ±5%
	Resistance ±4° Arc of Scale of Length
Sensitivity	2000 Ω per Volt AC and DC

One Year Warranty

c UL us

SEE PAGE 154
for info on Leads & Cases

SIX FUNCTION, 14-RANGE MULTIMETER

Tests AC/DC voltage, DC current, decibels, and batteries.

- Includes test leads, instruction manual and battery.
- Built-in battery test function.
- Fuse and diode overload protection.
- Spare fuse included.
- Separate battery/fuse compartment.

Part #	Description
GMT-18A	14-Range Multimeter with two test leads
CSE-1900	Soft Nylon Case - Optional

Tester Specifications

DC Voltage	2.5, 50, 250, 1000 V
AC Voltage	10, 50, 250, 1000 V
DC Current	10m, 250m A
Resistance	10 MΩ
Decibels	-20dB to +62dB
Battery Test	1.5 and 9 V
Accuracy	DC Voltage ±4%
	AC Voltage ±5%
	Resistance ±4° Arc of Scale Length
Sensitivity	10,000 Ω per V DC
	4,000 Ω per V AC

One Year Warranty

c UL us

SEE PAGE 154
for info on Leads & Cases

SIX FUNCTION, 19-RANGE MULTIMETER

Tests AC/DC voltage, DC current, continuity, resistance, decibels, and batteries.

- Includes test leads, instruction manual and battery.
- Fuse overload protection except for 10 A.
- Audible continuity check.
- Spare fuse included.
- Separate battery/fuse compartment.

Part #	Description
GMT-19A	19-Range Multimeter with two test leads
CSE-1941	Soft Nylon Case - Optional

Tester Specifications

DC Voltage	2.5, 10, 50, 250, 1000 V
AC Voltage	10, 50, 250, 1000 V
DC Current	5m, 50m, 500m, 10 A
Resistance	10 MΩ
Decibels	-8dB to +62dB on AC Volt Range
Battery Test	1.5 V and 9 V
Accuracy	DC Voltage ±4%
	AC Voltage ±5%
	Resistance ±4° Arc of Full Scale
Sensitivity	20,000 Ω per Volt DC
	8,000 Ω per Volt AC

Five Year Warranty

c UL us

SEE PAGE 154
for info on Leads & Cases

EIGHT FUNCTION, 27-RANGE MULTIMETER

Tests AC/DC voltage, DC current, continuity, decibels, batteries, and transistors.

- Includes test leads, instruction manual and battery.
- Fuse and diode overload protection.
- Includes temperature probe.
- Built-in battery test function.
- Includes battery, fuse, and spare fuse cover.

Part #	Description
GMT-41P	27-Range Multimeter with two test leads
CSE-1941	Soft Nylon Case - Optional

Tester Specifications

DC Voltage	0.6, 3, 12, 60, 300, 1000 V
AC Voltage	12, 30, 120, 300, 1000 V
DC Current	3m, 30m, 120m, 300m, 10 A
Resistance	6 MΩ
Decibels	-100dB to +64dB
Battery Test	1.5 and 9 V
Temperature	-60 °F to 500 °F
Accuracy	AC/DC Voltage ±4%
	Resistance ±3%
Sensitivity	30,000 Ω per Volt DC
	10,000 Ω per Volt AC

DIGITAL MULTIMETER FEATURES:

Part #	AC Voltage	DC Voltage	AC Amps	DC Amps	Ohms	Fuse	UL / cUL / CSA	Audible Continuity Buzzer	Autoranging	Manual Range Selection	Total Ranges	Capacitance	Transistor Gain	Diode Check	Data Hold	Auto Polarity	Frequency	Temperature	Bar Graph	Handle / Bench Stand	Auto Power Off	Low Battery Indication	Warranty
GDT-185A	500	200	–	200 mA	2000 K	200 mA	●		●	●	6												1
GDT-11	500	600	–	10 A	2 Meg	0.2 A	●			●	18			●									1
GDT-190A	750	1000	–	10 A	2 Meg	2 A	●			●	19			●									1
GDT-200A	500	500	–	10 A	2 Meg	2 A	●	●		●	19		●	●				●					1
GDT-292A	700	1000	10 A	10 A	20 Meg	0.2 A	●	●		●	32		●	●						●	●	●	5
GDT-293A	700	1000	10 A	10 A	20 Meg	2 A	●	●		●	32	●	●	●		●		●		●	●	●	5
GDT-294A	750	1000	10 A	10 A	40 Meg	10 A	●	●	●	●	29		●	●	●	●				●	●	●	5
GDT-295A	750	1000	10 A	10 A	32.6 Meg	10 A	●	●	●	●	32	●	●	●	●	●	●		●	●	●	●	5

FOUR-FUNCTION, 6-RANGE DIGITAL MULTIMETER WITH FOLDING CARRYING CASE

Tests AC/DC voltage, diodes, resistance and continuity.

- Autoranging in AC voltage range only.
- Tests for continuity.
- Includes batteries, test leads, owner's manual and carrying case.
- Fused overload protection.
- Easy-to-read 3½ digit LCD display.

One Year Warranty

Part #	Description
GDT-185A	6-Range Digital Multimeter

Tester Specifications

DC Voltage	20, 200 V
AC Voltage	500 V
DC Current	200 mA
Resistance	2,000k Ω
Accuracy	DC Voltage ±1%
	AC Voltage ±2%
	Resistance ±2%

One Year Warranty

FIVE-FUNCTION, 18-RANGE DIGITAL MULTIMETER

Measures AC and DC voltage, DC current and resistance.

- Measures AC voltage to 500 V.
- Measures DC voltage to 600 V.
- Measures DC current to 10 A.
- Low battery indicator.
- Requires one 9 V battery (not included).

Part #	Description
GDT-11	18-Range Digital Multimeter

Tester Specifications

DC Voltage	200m, 2000m 20, 200, 600 V
AC Voltage	200, 500 V
DC Current	20µ, 200µ, 20m, 200m 10 A
Resistance	200, 2000, 20k, 200k, 2000k Ω
Accuracy	DC Voltage ±0.7%
	AC Voltage ±1.2%
	DC Current ±1.5%
	Resistance ±0.75%

SEE PAGE 154 for info on Leads & Cases

One Year Warranty

FIVE-FUNCTION, 19-RANGE DIGITAL MULTIMETER

Tests AC/DC voltage, DC current, resistance and diodes.

- Easy to read LCD with 3½" digit display.
- Battery included.
- Fuse overload protection except for 10 A.

Part #	Description
GDT-190A	19-Range Multimeter with two test leads
CSE-1900	Soft Nylon Case - Optional

Tester Specifications

DC Voltage	200m, 2000m, 20, 200, 1000 V
AC Voltage	200, 750 V
DC Current	200µ, 2000µ, 20m, 200m, 2000m, 10 A
Resistance	2 Meg ohms
Accuracy	DC Voltage ±0.7%
	AC Voltage ±1.2%
	DC Current ±1.5%
	Resistance ±1%

SEE PAGE 154 for info on Leads & Cases

One Year Warranty

SEVEN-FUNCTION, 19-RANGE DIGITAL MULTIMETER

Tests AC/DC voltage, DC current, resistance, transistors, and temperature.

- Easy to read LCD with 3½ digit display.
- Temperature test with bullet probe (included).
- Continuity beeper.
- Fuse overload protection except for 10 A.
- Battery included.

Part #	Description
GDT-200A	19-Range Multimeter with two test leads
CSE-1900	Soft Nylon Case - Optional

Tester Specifications

DC Voltage	200m, 2000m, 20, 200, 500 V
AC Voltage	200, 500 V
DC Current	2000µ, 20m, 200m, 10 A
Resistance	2 MΩ
Temperature	1832 °F
Accuracy	DC Voltage ±0.5%
	AC Voltage ±1.2%
	DC Current ±2%
	Resistance ±1%
	Temperature ±3%

SEE PAGE 154 for info on Leads & Cases

Five Year Warranty

TEN-FUNCTION, 32-RANGE DIGITAL MULTIMETER

Measures AC/DC voltage and current, resistance, continuity, diodes, and transistors.

- Includes heavy-duty test leads, battery, and instruction manual.
- Includes rubber holster with bench stand and built-in lead storage.
- Fuse protected up to 10 A.
- Auto power off.
- Low battery indicator.
- Audible continuity beep.

Part #	Description
GDT-292A	32-Range Multimeter
CSE-2000	Soft Nylon Case - Optional

Tester Specifications

DC Voltage	200m 2, 20, 200, 1000 V
AC Voltage	2, 20, 200, 700 V
DC Current	20µ, 200µ, 2m, 20m, 200m, 2, 10 A
AC Current	20µ, 200µ, 2m, 20m, 200m, 2, 10 A
Resistance	2k,20k 200k, 2M, 20M, 200M Ω
Input Impedance	2 MΩ
Accuracy	DC Voltage ±0.5%
	AC Voltage ±0.8%
	DC Current ±0.8%
	AC Current ±1.2%
	Resistance ±0.8%

SEE PAGE 154 for info on Leads & Cases

Five Year Warranty

13-FUNCTION, 32-RANGE DIGITAL MULTIMETER

Measures AC/DC voltage and current, resistance, continuity, capacitance, temperature, diodes and transistors.

- Includes heavy-duty test leads, battery, and instruction manual.
- Includes rubber holster with bench stand and built-in lead storage.
- Temperature probe included.
- Fuse protected up to 10 A.
- Audible continuity beeper <50 Ohms.
- Auto power off.
- Low battery indicators.

Part #	Description
GDT-293A	32-Range Multimeter
CSE-2000	Soft Nylon Case - Optional

Tester Specifications

DC Voltage	200m 2, 20, 200, 1000 V
AC Voltage	2, 20, 200, 700 V
DC Current	2m, 20m, 200m, 10 A
AC Current	2m, 20m, 200m, 10 A
Resistance	200, 2k, 20k, 200k, 2M, 20M, 200M Ω
Capacitance	2n, 20n, 200n, 2µ, 20µ
Temperature	-122 °F to 1832 °F
Input Impedance	2 MΩ
Accuracy	DC Voltage ±0.5%
	AC Voltage ±0.8%
	DC Current ±0.8%
	AC Current ±1.2%
	Resistance ±0.8%
	Capacitance ±2.5%
	Temperature ±0.75%

SEE PAGE 154 for info on Leads & Cases

Five Year Warranty

13-FUNCTION, 29-RANGE AUTORANGING DIGITAL MULTIMETER

Measures AC/DC voltage and current, resistance, continuity, diodes, and transistors.

- Includes heavy-duty test leads, battery, and instruction manual.
- Includes rubber holster with bench stand and built-in lead storage.
- Fuse protected up to 10 A.
- 9 V battery included.
- Auto power off.
- Low battery indicator.
- Audible continuity beeper <50 Ohms.

Part #	Description
GDT-294A	32-Range Multimeter
CSE-2000	Soft Nylon Case - Optional

Tester Specifications

DC Voltage	400m, 4, 40, 400, 1000 V
AC Voltage	400m, 4, 40, 400, 750 V
DC Current	400µ, 4m, 40m, 400m, 10 A
AC Current	400µ, 4m, 40m, 400m, 10 A
Resistance	400, 4k, 40k, 400k, 4M, 40M Ω
Input Impedance	10 MΩ
Accuracy	DC Voltage ±0.5%
	AC Voltage ±0.8%
	DC Current ±0.8%
	AC Current ±1.2%
	Resistance ±0.8%

SEE PAGE 154 for info on Leads & Cases

Five Year Warranty

SEE PAGE 154
for info on Leads & Cases

15-FUNCTION, 32-RANGE AUTORANGING DIGITAL MULTIMETER

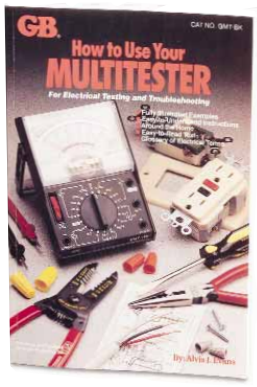
Measures AC/DC voltage and current, resistance, continuity, capacitance, frequency, diodes, and transistors.

- Includes heavy-duty test leads, battery, and instruction manual.
- Includes rubber holster with bench stand and built-in lead storage.
- Fuse protected up to 10 A.
- 9 V battery included.
- Low battery indicator.
- Audible continuity beeper <50 Ohms.
- Bar graph display.
- Overload protection.

Part #	Description
GDT-295A	32-Range Multimeter
CSE-2000	Soft Nylon Case - Optional

Tester Specifications

DC Voltage	32m, 3.26, 32.6, 326, 1000 V
AC Voltage	3.26, 32.6, 326, 750 V
DC Current	326µ, 3260µ, 32.6m, 326m, 10 A
AC Current	326µ, 3260µ, 32.6m, 326m, 10 A
Resistance	326, 3.26k, 32.6k, 326k, 3.26M, 32.6M Ω
Capacitance	326n, 32.6µ Farads
Frequency	32.6k, 200 kHz
Input Impedance	10 MΩ
Accuracy	DC Voltage ±0.3%
	AC Voltage ±0.8%
	DC Current ±1.2%
	AC Current ±1.5%
	Resistance ±0.8%
	Capacitance ±3.0%
	Frequency ±1.2%



MULTITESTER GUIDE BOOK

"How to Use Your Multitester for Electrical Testing and Troubleshooting"

- 160-page guide to GB Analog and Digital Multitesters.
- Easy to understand instructions on basic household and automotive electrical testing.
- Fully illustrated examples.
- Glossary of electrical terms.

Part #	Description
GMT-BK	Multitester Guide Book

CLAMP METER FEATURES:

Part #	Analog or Digital	AC Voltage	DC Voltage	AC Amps	DC Amps	Ohms	Fuse	UL / cUL	Continuity	Audible Buzzer	Frequency	Autoranging	Manual Range Selection	Total Ranges	Data Hold
GCM-500	Analog	600	60	600	–	1 M	500 mA	●					●	8	●
GCM-221	Digital	600	–	600	–	200	–		●	●		●		3	●
GCM-600	Digital	600	600	600	–	200	–		●	●			●	6	●
GCM-620	Digital	600	600	1000	1000	400	–		●	●	●			11	●

*Patents Pending

One Year Warranty

c UL us

NEW AC CLAMP METER WITH LOCKJAW™ FEATURE

Measures AC current and voltage, DC voltage and resistance.

- Measures AC current to 600 A.
- Measures AC voltage to 600 V.
- Measures DC voltage to 60 V.
- Measures resistance to 1 MΩ.
- LockJaw™ feature enables jaw to open only when positioned in correct setting.
- Data hold feature retains values.
- Spare fuse included.

Part #	Description
GCM-500	AC Clamp Meter with LockJaw™ feature*

Tester Specifications	
DC Voltage	60 V
AC Voltage	60, 300, 600 V
AC Current	6, 60, 600 A
Resistance	10M Ω
Accuracy	±5%

SEE PAGE 154 for info on Leads & Cases

SEE PAGE 152 for info on AC Current Line Splitter

One Year Warranty

CE

NEW AUTORANGING DIGITAL CLAMP METER

Measures AC current and voltage, resistance and continuity.

- Measures AC current to 600 A.
- Measures AC voltage to 600 V.
- Measures resistance to 200 Ω.
- Measures continuity.
- Autoranging feature selects proper range for function.
- Accommodates conductors up to 1" in diameter.
- Data hold feature retains values.
- 2 AAA batteries included.

Part #	Description
GCM-221	Autoranging Digital Clamp Meter

Tester Specifications	
AC Voltage	600 V
AC Current	600 A
Resistance	200 Ω
Accuracy	AC Voltage ±1.5%
	AC Current ±2.0%
	Resistance ±1.0%

SEE PAGE 154 for info on Leads & Cases

SEE PAGE 152 for info on AC Current Line Splitter

Five Year Warranty

CE

CAT III 600 V

NEW DIGITAL CLAMP METER

Measures AC current and voltage, resistance and continuity.

- Measure AC current to 600 A.
- Measures AC/DC voltage to 600 V.
- Measures resistance to 200 Ω.
- Jaws clamp around one 750 MCM or two 350 MCM cables.
- Data hold feature retains values.
- Manual ranging.

Part #	Description
GCM-600	Digital Clamp Meter

Tester Specifications

DC Voltage	600 V
AC Voltage	200, 600 V
AC Current	200, 600 A
Resistance	200 Ω
Accuracy	DC Voltage ±1%
	AC Voltage ±1%
	AC Current ±2%
	Resistance ±1%

SEE PAGE 154 for info on Leads & Cases

SEE PAGE 152 for info on AC Current Line Splitter

Five Year Warranty

CE

CAT III 600 V

NEW TRUE RMS CLAMP METER

True RMS measurement of AC/DC voltage and current, resistance, continuity, and frequency.

- Measures True RMS 45Hz to 1Khz.
- Measure AC/DC voltage to 600 V.
- Measures AC/DC current to 1000 A.
- Measures resistance to 400 Ω.
- Measures frequency to 4 MHz.
- Jaws clamp around one 750 MCM or two 350 MCM cables.
- Data hold feature retains values.
- Autoranging feature selects proper range for function.

Part #	Description
GCM-620	True RMS Clamp Meter

Tester Specifications

DC Voltage	400, 1000 V
AC Voltage	400, 600 V
AC Current	400, 1000 A
DC Current	400, 1000 A
Resistance	400 Ω
Frequency	1-10 KHz
Accuracy	DC Voltage ±1.5%
	AC Voltage ±1.2%
	AC Current ±2.5%
	DC Current ±1.5%
	Resistance ±0.8%
	Frequency ±1.0%

SEE PAGE 154 for info on Leads & Cases

SEE PAGE 152 for info on AC Current Line Splitter

One Year Warranty

AC CURRENT LINE SPLITTER FOR USE WITH CLAMP METERS

Separates the positive and neutral conductors of power cords when testing AC amperage draw.

- Receptacles are built-in for testing voltage.
- x1 and x10 holes for accurate testing.

Part #	Description
GCM-LS	Line Splitter

One Year Warranty

POCKET BATTERY TESTER

Tests all common batteries to determine if they are charged or need replacement.

- Tests D, C, AA, AAA, N, 9 V, and button cells.
- Pocket Size.

Part #	Description
GBT-502A	Pocket Battery Tester

One Year Warranty

ANALOG BATTERY TESTER

Tests all common batteries to determine if they are charged or need replacement.

- Tests from 1.5 V button cells to 22.5 V photo cells.
- Includes test leads for easy testing.

Part #	Description
GBT-500A	Analog Battery Tester

NEW ELECTRICAL TEST KIT

Includes an assortment of testers designed to test all wiring applications.

- Durable plastic case protects products.

Part #	Description
TK-4HC	Electrical Test Kit

Kit Contains:

Qty	Part #	Description	Qty	Part #	Description
1	GVD-504A	Non-Contact Circuit Alert™	1	GTT-200	Dual Telephone Line Tester
1	GFI-501A	Ground Fault Receptacle Tester	1	GSS-510A	Audible Stud Seeker™

NEW ELECTRICAL TEST KIT

Includes an assortment of testers designed to test all wiring applications.

- Durable plastic case protects products.

Part #	Description
TK-5HC	Electrical Test Kit

Kit Contains:

Qty	Part #	Description	Qty	Part #	Description
1	GVD-504A	Non-Contact Circuit Alert™	1	GTT-200	Dual Telephone Line Tester
1	GFI-501A	Ground Fault Receptacle Tester	1	GDT-11	5-Function/18-Range Multimeter

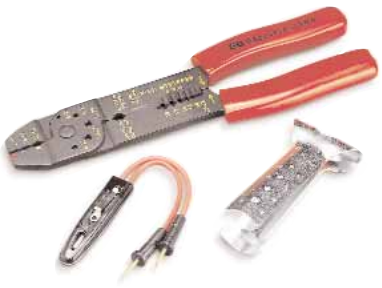
ELECTRICAL TEST KIT

Designed for electrical troubleshooting.

Part #	Description
GK-3	Electrical Test Kit

Kit Contains:

Qty	Part #	Description	Qty	Part #	Description
1	GCT-204	Continuity Tester	1	GET-102	Circuit Tester
1	GRT-500	Receptacle Tester			



ELECTRICAL TOOL & TESTER KIT

Convenient electrical tool and tester kit.

Part #	Description
GK-4	Electrical Tool & Tester Kit

Kit Contains:

Qty	Part #	Description	Qty	Part #	Description
1	GS-67	Multi-function Crimper/Stripper	1	GET-102	Voltage Tester
1	CR-100	Cable Ripper			

SEE PAGE 160
for Cases Cross Reference

NYLON TESTER CASES

Allows easy storage of a variety of meters and testers.

- Made of tough 1000 D Nylon®.
- Built-in pouches for probes, manual and accessories.

Part #	Description
CSE-1000	Nylon Tester Case
CSE-1200	Nylon Tester Case
CSE-1900	Nylon Tester Case
CSE-1941	Nylon Tester Case
CSE-2000	Nylon Tester Case

SEE PAGE 160
for Lead Cross Reference

TEST LEADS

Replacement leads for Gardner Bender meters.

- Tough ABS Plastic.
- Flexible cords for easy use.

Part #	Description
RTL-094	Shielded Test Leads (GVC-1000 only)
RTL-103	Small Test Leads
RTL-107	Push-on Alligator Clips
RTL-108	Mid-sized Test Leads
RTL-200	Large Test Leads

One Year Warranty

CAT III

VOICE DATA VIDEO

SINGLE TELEPHONE LINE TESTER

Troubleshoots common problem conditions with standard single line telephone hook-ups.

- Compact unit easily plugs into any single-line telephone jack.
- Bright LED can be read from any angle.
- Test for three wiring conditions: correct, reversed and AC voltage presence.

Part #	Description
GTT-100	Single Telephone Line Tester

LED Color	Line Status
Green	Line OK
Red	Reversed Line
Amber	AC Voltage Present
Not Lit	Dead Line

One Year Warranty

CAT III

VOICE DATA VIDEO

DUAL TELEPHONE LINE TESTER

Troubleshoots common problem conditions with standard single or dual-line telephone hook-ups.

- Compact unit easily plugs into any single or dual-line telephone jack.
- Bright LEDs can be read from any angle.
- Test for three wiring conditions: correct, reversed and AC voltage presence.

Part #	Description
GTT-200	Dual Telephone Line Tester

LED Color	Line Status
Green	Line OK
Red	Reversed Line
Amber	AC Voltage Present
Not Lit	Dead Line

Five Year Warranty

VOICE DATA VIDEO

NEW WIRE TRACKER™

Traces any unshielded and unenergized wire or cable.

- Four transmitter plugs encased in unit:
  - RJ-11 - Alligator Clip
  - Co-ax/BNC - Automotive Fuse
- Detects unshielded wires up to 12", when using grounding clip.
- Adjustable sensitivity detects wires in close proximity.
- LED intensifies as the signal gets stronger.
- Audible feature differentiates transmitter signal from other signals.

Part #	Description
GET-4110K	Wire Tracker™*

*Patents Pending

Kit Contains:

Qty	Part #	Description
1	GET-4110R	Receiver
1	GET-4110T	Tone Generator

Five Year Warranty

VOICE DATA VIDEO

NEW LAN TRACKER™

Traces any unshielded and unenergized wire or cable.

- Four transmitter plugs encased in unit:
  - RJ-11 - Alligator Clip
  - Co-ax/BNC - RJ-45
- Detects unshielded wires up to 12", when using grounding clip.
- Adjustable sensitivity detects wires in close proximity.
- LED intensifies as the signal gets stronger.
- Audible feature differentiates transmitter signal from other signals.

Part #	Description
GET-4220K	LAN Tracker™*

*Patents Pending

Kit Contains:

Qty	Part #	Description
1	GET-4220R	Receiver
1	GET-4220T	Tone Generator

Five Year Warranty

VOICE DATA VIDEO

WIRE TRACKER™ INDUCTIVE RECEIVER

Locates signals transmitted through unenergized wire.

- Used in conjunction with Tone Generator (GET-4100T or GET-4200T).
- Streamlined inductive tracer.
- Adjustable volume control.
- LED intensifies as the signal gets stronger.
- Contains a high-grain, high impedance amplifier.
- Capable of identifying the Tone Generator's signal up to 12".
- Rugged moisture resistant mylar cone speaker
- Convenient operation from a standard 9 V battery (not included).

Part #	Description
GET-4100R	Wire-Tracker™ Receiver Tone Probe

One Year Warranty

VOICE DATA VIDEO

WIRE TRACKER™ TONE GENERATOR

Generates three distinct tones usable for wire tracing.

- Used in conjunction with the Wire Tracker™ receiver (GET-4100R).
- Line powered in tone mode.
- LED indicator for continuity.
- Supplies “Talk Power” to allow communication between handsets or talksets or for powering a telephone.
- RJ-11 plug for standard telephone jacks.
- Alligator clip for connection to any unenergized wiring.
- Convenient operation from a standard 9 V battery (not included).

Part #	Description
GET-4100T	Wire Tracker™ Wiring Tracing Tone Generator

One Year Warranty

VOICE DATA VIDEO

LAN TRACKER™ TONE GENERATOR

Generates two distinct tones usable for LAN cable tracing.

- Used in conjunction with the Wire Tracker™ receiver (GET-4100R).
- Direct connection of standard RJ-45 modular plugs.
- RJ-45 BNC adapter allows for tracing of BNC cables.
- Convenient operation from a standard 9 V battery (not included).

Part #	Description
GET-4200T	LAN Tracker™ Tone Generator

Includes:

Qty	Description
1	Transmitter Tone Generator
1	RJ-45 to BNC Adapter

Tester Specifications	
Tone Output Level	Approx. +3dBm w/fresh battery
Series Current Limit	4000Ω
Cable Types	AT&T 258A, EIA/TIA T568A or T568B, 10-BASET, Token Ring, TP-PMD, or coaxial cable terminated with BNC connectors.
Battery	9 V alkaline

VOICE DATA VIDEO

WIRE TRACKER™ KIT

Tone generator and receiver combination for tracing telephone or other unenergized wiring.

Part #	Description
GET-4100K	Wire Tracker™ Wire Tracing Set

Kit Contains:

Qty	Part #	Description
1	GET-4100T	Tone Generator
1	GET-4100R	Receiver

VOICE DATA VIDEO

LAN TRACKER™ KIT

Tone generator and receiver combination for tracing LAN cabling.

Part #	Description
GET-4200K	LAN Tracker™ Tracing Set

Kit Contains:

Qty	Part #	Description
1	GET-4200T	Tone Generator
1	GET-4100R	Receiver

One Year Warranty

VOICE DATA VIDEO

CABLE-TEST BNC™ BNC/COAXIAL LAN CABLE TESTER

Verifies the wiring of unenergized coaxial patch cables terminated with BNC connectors.

- Checks for Open Conductor, Open Shield or Shorts.
- Four LEDs indicate test results.

Part #	Description
GET-4000	Cable-Test BNC™

Tester Specifications	
Cable Types	Coaxial cable terminated with BNC connectors
Battery	9 V alkaline

One Year Warranty

VOICE DATA VIDEO

CABLE-TEST RJ-45™ LAN CABLE TESTER

Verifies the wiring of unenergized, eight conductor patch cables terminated with RJ-45 connectors.

- Eight LEDs identify the destination of each conductor in cable.
- Checks for continuity in straight-through wiring.

Part #	Description
GET-4010	Cable-Test RJ-45™

Tester Specifications	
Cable Types	AT&T 258A, EIA/TIA T568A or T568B, TP-PMD and any RJ-45 cable
Battery	9 V alkaline

One Year Warranty

VOICE DATA VIDEO

CABLE-TEST XR™ REMOTE LAN CABLE TEST SET WITH TRACER TONE

Verifies point-to-point wiring of twisted pair LAN cables.

- Checks for continuity in straight-through or reverse wiring.
- Eight LEDs identify the source and destination of each conductor.
- Direct connection of 8-pin RJ-45 and 6-pin RJ-11 cables.
- Generates two distinct tones for wire tracing.
- Allows remote testing of cable runs up to 1000'.
- User selectable features:
  - RJ-11 4 conductor or 6 conductor
  - Forward or reverse sequencing on transmitter
  - High or low pitch tracer tone
  - Fast or slow LED sequencing
- Telco protected.
- Carrying case included.

Part #	Description
GET-4040	Cable-Test XR™ Kit

Kit Contains:

Qty	Description
1	Transmitter
1	Receiver
1	Carrying Case
1	Jumper Cable

Tester Specifications	
Input/Output Protection	Will withstand 175 V peak with 100 Ω series resistance applied across the outputs Will withstand 175 V peak with 100 Ω series impedance superimposed onto 56 V DC for 100mS (Standard Telco Signals)
Cable Types	RJ-45 8 pin, RJ-11 6 pin 6 conductor, RJ-11 6 pin 4 conductor, Straight through or Reverse Wiring
Battery	9 V alkaline
Accessories Included	Vinyl Carrying Case

CABLE-MASTER™ LAN CABLE TEST KIT

Locates and verifies point-to-point wiring of LAN cables.

- Identifies 1 of 16 available remote identifiers.
- Checks wiring and condition of LAN cables.
- Automatically detects eight fault conditions: Overvoltage, Open Pair, Shorted Pair, Crossed Pair, Split Pair, Reversed Pair, Transposed Pair, Double Split Pair.
- Checks for Near End Cross Talk (NEXT).
- Main unit contains overload protection and auto shut-off.
- Remote identifiers contain over voltage LED.

Part #	Description
GET-6000	Cable-Master™ Cable Test Kit

Kit Contains:

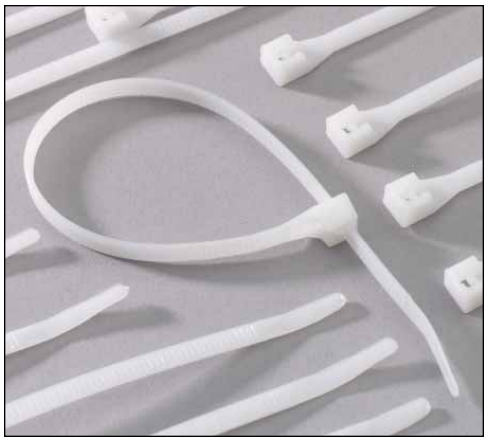
Qty	Description
1	Main Unit
2	Remote Identifiers
2	Straight-through RJ-45 Adapters

Tester Specifications	
Input Protection	Withstands 56 V DC limited by 400 Ω series resistance for up to two minutes. Withstands 175 V peak 20-60Hz with 100 Ω series impedance superimposed onto 56 V DC for 100mS. (Standard Telco Signals)
Overvoltage Indication	Range: 43-56 V battery voltage, 400-1870 Ω series resistance Cable-Master™: Flashing "OL" Remote ID: LED Lights up
Power Supply	Cable-Master™: 9 V alkaline battery Battery Life: aprox. 500 tests Remote ID: Passive - no battery required
Maximum Cable Length	400 Feet (122 Meters)

REPLACEMENT PARTS & ACCESSORIES

	Fuses*							Leads & Temp. Probes							Cases					Batteries
Part #	No Fuse	10 A / 250 V	0.5 A / 250 V	2.0 A / 250 V	0.2 A / 250 V	0.2 A / 250 V	0.25 A / 250 V	No Test Leads	RTL-094	RTL-103	RTL-106 (Temperature Probe)	RTL-108	RTL-200	RTL-107 Push on Alligator Clips	CSE-1000 (Soft Nylon)	CSE-1200 (Soft Nylon)	CSE-1900 (Soft Nylon)	CSE-1941 (Soft Nylon)	CSE-2000 (Soft Nylon)	Batteries
GAT-550	●							●						●						(3) 1.5 V SR44, LR44
GCM-306B			●								●	●		●					●	(1) AA
GCM-307B	●											●		●					●	(1) 9 V
GCM-221	●												●	●		●				(2) AAA
GCM-500			●										●	●					●	(1) AA
GCM-600	●												●	●					●	(1) 9 V
GCM-620	●												●	●					●	(1) 9 V
GCT-204	●							●												(2) AAA
GCT-304A	●							●												(2) AA
GCV-206	●							●												(2) 1.5 V SR44, LR44
GDT-11						●				●							●			(1) 9 V
GDT-180					●			●						●						(2) 1.5 V SR44, LR44
GDT-185A						●		●						●						(2) 1.5 V SR44, LR44
GDT-190A				●						●				●			●			(1) 9 V
GDT-200A							●			●				●			●			(1) 9 V
GDT-292A		●		●									●	●					●	(2) AA
GDT-293A						●							●	●					●	(2) AA
GDT-294A		●	●										●	●					●	(2) AA
GDT-295A		●					●						●	●					●	(2) AA
GET-1200	●								●								●			(1) 9 V
GET-207	●								●											(1) A23 12 V
GFT-200	●								●											(2) AA
GMT-12A			●									●		●	●					(1) AA
GMT-18A			●									●		●			●			(1) AA
GMT-19A			●							●				●				●		(2) AA
GMT-41P			●								●			●				●		(1) AA & 1 - 9 V
GPD-902	●							●												(1) 9 V
GSS-500	●							●												(4) 1.5 V SR44, LR44
GSS-510A	●							●												(4) 1.5 V SR44, LR44
GVC-300	●								●					●		●				(2) 1.5 V SR44, LR44
GVC-1000	●							●						●		●				(3) AAA
GVD-502	●							●												(3) 1.5 V SR44, LR44
GVD-503	●							●												(2) 1.5 V SR44, LR44
GVD-504A	●							●												(2) 1.5 V SR44, LR44
GVD-504LV	●							●												(2) 1.5 V SR44, LR44
GVD-505A	●							●												(2) 1.5 V SR44, LR44
GVT-92	●							●						●		●				n/a
VDV																				
GET-4000	●							●												(1) 9 V
GET-4010	●							●												(1) 9 V
GET-4040	●							●												(1) 9 V
GET-4100K	●							●												(1) 9 V
GET-4100R	●							●												(1) 9 V
GET-4100T	●							●												(1) 9 V
GET-4110K	●							●												(2) AAA, (4) 1.5 V Button
GET-4200K	●							●												(1) 9 V
GET-4200T	●							●												(1) 9 V
GET-4220K	●							●												(2) AAA, (4) 1.5 V Button
GET-6000	●							●												(1) 9 V

* Gardner Bender does not sell fuses.



NATURAL CABLE TIES

Fastens wires, cables, hoses and ducts.

- Patented DoubleLock™ design ensures 50% more tensile strength than standard ties.
- Flexible Nylon® material allows cable ties to remain serviceable through temperature ranges of -40 to 185 °F (-40 to 85 °C).
- Recognized under component program of Underwriters Laboratories, E125869.
- Meets flammability classification UL 94 V-2.
- Meets military specification MS3367.

E125869

ULTRAVIOLET BLACK TIES

Fastens wires, cables, hoses and ducts.

- Patented DoubleLock™ design ensures 50% more tensile strength than industry standards.
- Resistant to degradation by ultraviolet rays.
- Flexible Nylon® raw material allows cable ties to remain serviceable through temperature ranges of -40 to 185 °F (-40 to 85 °C).
- Recognized under component program of Underwriters Laboratories, E125869.
- Meets flammability classification UL 94 V-2.
- Meets military specification MS3367.

E125869

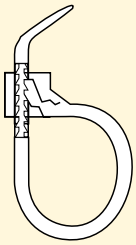
COLORED TIES

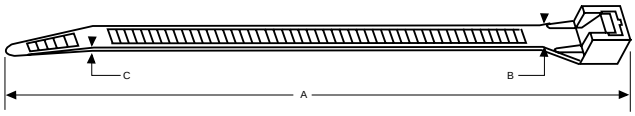
Colored cable ties fasten wire for easy bundle identification.

- Patented DoubleLock™ design ensures 50% more tensile strength than industry standards.
- Flexible Nylon® raw material allows cable ties to remain serviceable through temperature ranges of -40 to 185 °F (-40 to 85 °C).
- Recognized under component program of Underwriters Laboratories, E125869.
- Meets flammability classification UL 94 V-2.

E125869

DoubleLock™ is Gardner Bender's patented technology of molding serrations on both sides of the cable tie to increase holding strength by 50%.





NATURAL, UV, & COLORED TIES CHART

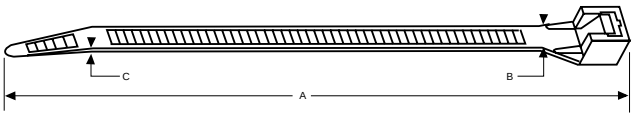
Part #	Length	Description	Color	Tensile Strength	Double Lock™	UV	Length A	Width B	Thickness C	Bundle Dia. Min. - Max.	UL	Military Spec.	Pkg Qty
45-104	4"	Miniature	Natural	18 lbs	–	–	4"	.10"	.03"	1/16" - 3/16"	UR	MS3367	40
46-104	4"	Miniature	Natural	18 lbs	–	–	4"	.10"	.03"	1/16" - 3/16"	UR	MS3367	100
46-104M	4"	Miniature	Natural	18 lbs	–	–	4"	.10"	.03"	1/16" - 3/16"	UR	MS3367	1000
45-104UVB	4"	UV Protected Miniature	Black	18 lbs	–	UV	4"	.10"	.03"	1/16" - 3/16"	UR	MS3367	30
46-104UVB	4"	UV Protected Miniature	Black	18 lbs	–	UV	4"	.10"	.03"	1/16" - 3/16"	UR	MS3367	100
46-104UVBM	4"	UV Protected Miniature	Black	18 lbs	–	UV	4"	.10"	.03"	1/16" - 3/16"	UR	MS3367	1000
46-105	6"	Miniature	Natural	18 lbs	–	UV	6"	.10"	.03"	1/16" - 1 3/8"	UR	MS3367	100
46-206	6"	Intermediate	Natural	45 lbs	DLOCK	–	6"	.14"	.04"	1/16" - 1 3/8"	–	MS3367	100
46-206M	6"	Intermediate	Natural	45 lbs	DLOCK	–	6"	.14"	.04"	1/16" - 1 3/8"	–	MS3367	1000
46-105UVB	6"	UV Protected Miniature	Black	18 lbs	–	UV	6"	.10"	.03"	1/16" - 1 3/8"	UR	MS3367	100
46-206UVB	6"	UV Protected Intermediate	Black	45 lbs	DLOCK	UV	6"	.14"	.04"	1/16" - 1 3/8"	–	MS3367	100
46-206UVBM	6"	UV Protected Intermediate	Black	45 lbs	DLOCK	UV	6"	.14"	.04"	1/16" - 1 3/8"	–	MS3367	1000
46-306	7"	Standard	Natural	50 lbs	–	–	7"	.17"	.05"	1/16" - 1 3/4"	UR	MS3367	100
46-108	8"	Miniature	Natural	18 lbs	–	–	8"	.10"	.03"	1/16" - 2"	UR	MS3367	100
46-208	8"	Intermediate	Natural	45 lbs	DLOCK	–	8"	.14"	.04"	1/16" - 2"	–	MS3367	100
45-308	8"	Standard	Natural	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	20
46-507	8"	Standard	Natural	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	500
45-308FB	8"	Standard Fluorescent	Flr Blue	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	20
45-308FG	8"	Standard Fluorescent	Flr Green	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	20
45-308FY	8"	Standard Fluorescent	Flr Yellow	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	20
45-308G	8"	Standard Fluorescent	Green	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	20
46-308	8"	Standard	Natural	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	100
46-308FB	8"	Standard Fluorescent	Flr Blue	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	100
46-308FG	8"	Standard Fluorescent	Flr Green	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	100
46-308FO	8"	Standard Fluorescent	Flr Orange	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	100
46-308FY	8"	Standard Fluorescent	Flr Yellow	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	100
46-308G	8"	Standard	Green	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	100
46-308M	8"	Standard	Natural	75 lbs	DLOCK	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	100
46-108UVB	8"	UV Protected Miniature	Black	18 lbs	DLOCK	UV	8"	.10"	.03"	1/16" - 2"	UR	MS3367	100
46-208UVB	8"	UV Protected Intermediate	Black	45 lbs	DLOCK	UV	8"	.14"	.04"	1/16" - 2"	–	MS3367	100
45-308UVB	8"	UV Protected Standard	Black	75 lbs	DLOCK	UV	8"	.17"	.05"	1/16" - 2"	UR	MS3367	15
46-308UVB	8"	UV Protected Standard	Black	75 lbs	DLOCK	UV	8"	.17"	.05"	1/16" - 2"	UR	MS3367	100
46-308UVBM	8"	UV Protected Standard	Black	75 lbs	DLOCK	UV	8"	.17"	.05"	1/16" - 2"	UR	MS3367	1000
46-210	11"	Intermediate	Natural	45 lbs	DLOCK	–	11"	.14"	.04"	1/16" - 3"	–	MS3367	100
45-312	11"	Standard	Black	75 lbs	DLOCK	–	11"	.17"	.05"	1/16" - 3"	UR	MS3367	12
46-310	11"	Standard	Natural	75 lbs	DLOCK	–	11"	.17"	.05"	1/16" - 3"	UR	MS3367	100
46-311	11"	Standard	Natural	75 lbs	DLOCK	–	11"	.17"	.05"	1/16" - 3"	UR	MS3367	300
46-310M	11"	Standard	Natural	75 lbs	DLOCK	–	11"	.17"	.05"	1/16" - 3"	UR	MS3367	1000
46-210UVB	11"	UV Protected Intermediate	Black	45 lbs	DLOCK	UV	11"	.14"	.04"	1/16" - 3"	–	MS3367	100
45-312UVB	11"	UV Protected Standard	Black	75 lbs	DLOCK	UV	11"	.17"	.05"	1/16" - 3"	UR	MS3367	8
46-310UVB	11"	UV Protected Standard	Black	75 lbs	DLOCK	UV	11"	.17"	.05"	1/16" - 3"	UR	MS3367	100
46-310UVBM	11"	UV Protected Standard	Black	75 lbs	DLOCK	UV	11"	.17"	.05"	1/16" - 3"	UR	MS3367	1000
46-215	14"	Standard	Natural	50 lbs	–	–	14"	.17"	.05"	1/16" - 4"	UR	MS3367	100
45-315	14"	Standard	Natural	75 lbs	DLOCK	–	14"	.17"	.05"	1/16" - 4"	UR	MS3367	8
46-315	14"	Standard	Natural	75 lbs	DLOCK	–	14"	.17"	.05"	1/16" - 4"	UR	MS3367	100
46-315M	14"	Standard	Natural	75 lbs	DLOCK	–	14"	.17"	.05"	1/16" - 4"	UR	MS3367	1000
46-215UVB	14"	UV Protected Standard	Black	50 lbs	–	UV	14"	.17"	.05"	1/16" - 4"	UR	MS3367	100
45-315UVB	14"	UV Protected Standard	Black	75 lbs	DLOCK	UV	14"	.17"	.05"	1/16" - 4"	UR	MS3367	8
46-315UVB	14"	UV Protected Standard	Black	75 lbs	DLOCK	UV	14"	.17"	.05"	1/16" - 4"	UR	MS3367	100
46-315UVBM	14"	UV Protected Standard	Black	75 lbs	DLOCK	UV	14"	.17"	.05"	1/16" - 4"	UR	MS3367	1000
46-415	15"	Standard	Natural	120 lbs	DLOCK	–	15"	.25"	.07"	3/16" - 4"	UR	MS3367	50
46-415UVB	15"	UV Protected Standard	Black	120 lbs	DLOCK	UV	15"	.25"	.07"	3/16" - 4"	UR	MS3367	50

HEAVY-DUTY CABLE TIES

Heavy-duty design offers 175 lbs of tensile strength.

- Patented DoubleLock™ design ensures 50% more tensile strength than standard ties.
- Meets military specification MS3367.

E125869

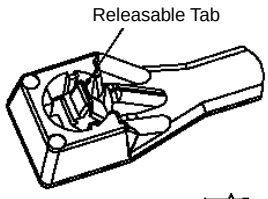


Part #	Length	Description	Color	Tensile Strength	Double Lock™	UV	Length A	Width B	Thickness C	Bundle Dia. Min. - Max.	UL	Military Spec.	Pkg Qty
46-408	8"	Heavy-duty	Natural	175 lbs	DLOCK	–	8"	.29"	.07"	3/16" - 2"	UR	MS3367	100
46-408UVB	8"	UV Protected Heavy-duty	Black	175 lbs	DLOCK	UV	8"	.29"	.07"	3/16" - 2"	UR	MS3367	100
46-412	12.5"	Heavy-duty	Natural	175 lbs	DLOCK	–	12.5"	.29"	.07"	3/16" - 3"	UR	MS3367	100
46-412UVB	12.5"	UV protected Heavy-duty	Black	175 lbs	DLOCK	UV	12.5"	.29"	.07"	3/16" - 3"	UR	MS3367	100
46-418	18"	Heavy-duty	Natural	175 lbs	DLOCK	–	18"	.29"	.07"	3/16" - 5"	UR	MS3367	50
46-418UVB	18"	UV protected Heavy-duty	Black	175 lbs	DLOCK	UV	18"	.29"	.07"	3/16" - 5"	UR	MS3367	50
46-421	21"	Heavy-duty	Natural	175 lbs	DLOCK	–	21"	.29"	.07"	3/16" - 6"	UR	MS3367	50
46-421UVB	21"	UV protected Heavy-duty	Black	175 lbs	DLOCK	UV	21"	.29"	.07"	3/16" - 6"	UR	MS3367	50
46-424	24"	Heavy-duty	Natural	175 lbs	DLOCK	–	24"	.29"	.07"	3/16" - 7"	UR	MS3367	50
46-424UVB	24"	UV protected Heavy-duty	Black	175 lbs	DLOCK	UV	24"	.29"	.07"	3/16" - 7"	UR	MS3367	50
46-330	30"	Heavy-duty	Natural	175 lbs	DLOCK	–	30"	.29"	.07"	3/16" - 9"	UR	MS3367	25
46-330UVB	30"	UV protected Heavy-duty	Black	175 lbs	DLOCK	UV	30"	.29"	.07"	3/16" - 9"	UR	MS3367	25
46-436	36"	Heavy-duty	Natural	175 lbs	DLOCK	–	36"	.29"	.07"	3/16" - 11"	UR	MS3367	50
46-436UVB	36"	UV protected Heavy-duty	Black	175 lbs	DLOCK	UV	36"	.29"	.07"	3/16" - 11"	UR	MS3367	50
46-448	48"	Heavy-duty	Natural	175 lbs	DLOCK	–	48"	.29"	.07"	3/16" - 15"	UR	MS3367	50
46-448UVB	48"	UV protected Heavy-duty	Black	175 lbs	DLOCK	UV	48"	.29"	.07"	3/16" - 15"	UR	MS3367	50

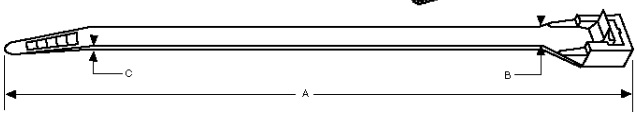
RELEASABLE CABLE TIES

Fastens wire temporarily, then may be reused.

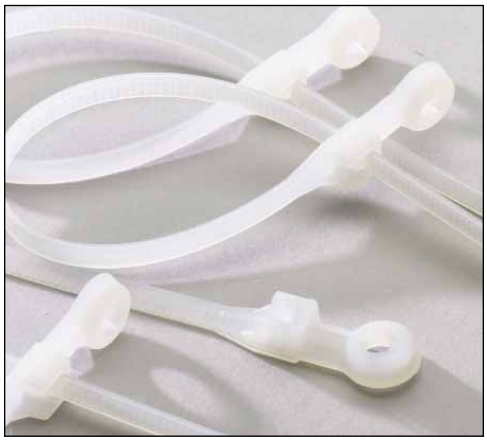
- Convenient for prototype work or other applications which require frequent access.
- Bundle hoses or cables.
- Pull back on extension of locking tab to release tie.



E125869



Part #	Length	Description	Color	Tensile Strength	Double Lock™	UV	Length A	Width B	Thickness C	Bundle Dia. Min. - Max.	UL	Military Spec.	Pkg Qty
47-307	8"	Releasable	Natural	50 lbs	–	–	8"	.17"	.05"	1/16" - 1 3/4"	UR	MS3367	100
47-307UVB	8"	UV Protected Releasable	Black	50 lbs	–	UV	8"	.17"	.05"	1/16" - 1 3/4"	UR	MS3367	100
47-108	8"	Releasable	Natural	50 lbs	–	–	8"	.17"	.05"	1/16" - 1 3/4"	UR	MS3367	25
47-108UVB	8"	UV Protected Releasable	Black	50 lbs	–	UV	8"	.17"	.05"	1/16" - 1 3/4"	UR	MS3367	25
47-315	14"	Releasable	Natural	50 lbs	–	–	14"	.17"	.05"	1/16" - 4"	UR	MS3367	100
47-315UVB	14"	UV Protected Releasable	Black	50 lbs	–	UV	14"	.17"	.05"	1/16" - 4"	UR	MS3367	100
47-115UVB	15.25"	UV Protected Releasable	Black	250 lbs	–	UV	15.25"	.52"	.09"	3/16" - 4"	UR	MS3367	4
47-121UVB	21.50"	UV Protected Releasable	Black	250 lbs	–	UV	21.50"	.52"	.09"	3/16" - 6"	UR	MS3367	3
47-127UVB	27.75"	UV Protected Releasable	Black	250 lbs	–	UV	27.75"	.52"	.09"	3/16" - 8"	UR	MS3367	3

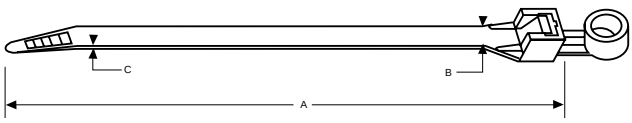


MOUNTING TIES

Fasten bundles, hoses, ducts, etc. to panels or other surfaces.

- Use #10 screw eye to position and secure bundled harnesses.
- Recognized under component program of Underwriters Laboratories, E125869.
- Meets flammability classification UL 94 V-2.

E125869



Use 1/4" screws for 48-415 & 48-415UVB. All others use #10 screw.

Part #	Length	Description	Color	Tensile Strength	Double Lock™	UV	Length A	Width B	Thickness C	Bundle Dia. Min. - Max.	UL	Military Spec.	Pkg Qty
48-206	6"	Mounting	Natural	30 lbs	–	–	6"	.14"	.04"	1/16" - 1 3/8"	UR	MS3367	100
45-308MT	8"	Mounting	Natural	50 lbs	–	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	20
45-308MTUVB	8"	UV Protected Mounting	Black	50 lbs	–	UV	8"	.17"	.05"	1/16" - 2"	UR	MS3367	15
48-308	8"	Mounting	Natural	50 lbs	–	–	8"	.17"	.05"	1/16" - 2"	UR	MS3367	100
48-308UVB	8"	UV Protected Tie	Black	50 lbs	–	UV	8"	.17"	.05"	1/16" - 2"	UR	MS3367	100
48-315	14"	Mounting	Natural	50 lbs	–	–	14"	.17"	.05"	1/16" - 4"	UR	MS3367	100
48-315UVB	14"	UV Protected Mounting	Black	50 lbs	–	UV	14"	.17"	.05"	1/16" - 4"	UR	MS3367	100
48-415	14"	Mounting	Natural	120 lbs	–	–	14"	.30"	.07"	1/16" - 4"	UR	MS3367	50
48-415UVB	14"	UV Protected Mounting	Black	120 lbs	–	UV	14"	.30"	.07"	1/16" - 4"	UR	MS3367	50

45-308FST 46-ACT 46-308FST 46-ACL

46-700

E125869

CABLE TIE ASSORTMENTS

Assorted colors and lengths of most popular cable ties.

- Great for promotions.
- All bags include an assortment of our patented DoubleLock™ ties.

Part #	Pkg Qty	Description	Length	Color	Tensile Strength	Double Lock™	Qty
45-308FST	20/bg	Fluorescent Cable Tie Assortment	8"	Flr Blue	75 lbs	DLOCK	4
			8"	Flr Orange	75 lbs	DLOCK	4
			8"	Flr Green	75 lbs	DLOCK	4
			8"	Flr Pink	75 lbs	DLOCK	4
			8"	Flr Yellow	75 lbs	DLOCK	4
46-308FST	100/bg	Fluorescent Cable Tie Assortment	8"	Flr Blue	75 lbs	DLOCK	20
			8"	Flr Orange	75 lbs	DLOCK	20
			8"	Flr Green	75 lbs	DLOCK	20
			8"	Flr Pink	75 lbs	DLOCK	20
			8"	Flr Yellow	75 lbs	DLOCK	20
46-700	700/bg	Cable Tie Assortment	4"	Natural	18 lbs	–	200
			8"	Natural	75 lbs	DLOCK	300
			11"	Natural	175 lbs	DLOCK	200
46-ACL	120/bg	75# Cable Tie Assortment	8"	Blue	75 lbs	DLOCK	25
			8"	Green	75 lbs	DLOCK	25
			8"	Red	75 lbs	DLOCK	25
			8"	Yellow	75 lbs	DLOCK	25
			8"	Flr Orange	75 lbs	DLOCK	20
46-ACT	100/bg	Cable Tie Assortment	4"	Natural	18 lbs	–	30
			8"	Natural	75 lbs	DLOCK	40
			11"	Natural	175 lbs	DLOCK	30

65001 50098 90789 50398

E125869

CABLE TIE CANISTERS

Four assortments of the most popular cable ties in a resealable canister.

- Great for promotions.
- All canisters include an assortment of our patented DoubleLock™ ties.

Part #	Pkg Qty	Description	Length	Color	Tensile Strength	Double Lock™	Qty
50098	500	Cable Tie Canister (10" H x 4½" dia.)	4"	Natural	18 lbs	–	200
			6"	Natural	30 lbs	–	100
			8"	Natural	75 lbs	DLOCK	200
50398	500	Cable Tie Canister (10" H x 4½" dia.)	4"	Natural	18 lbs	–	100
			4"	Rd, Bk ,Gr, Yl	18 lbs	–	100
			6"	Natural	40 lbs	DLOCK	100
			8"	Natural	75 lbs	DLOCK	150
			8"	Rd, Bl, Yl	75 lbs	DLOCK	50
90789	500	Cable Tie Canister (10" H x 4½" dia.)	4"	Natural	18 lbs	–	100
			4"	Rd, Bk ,Gr, Yl	18 lbs	–	100
			6"	Natural	30 lbs	–	100
			8"	Natural	75 lbs	DLOCK	150
			8"	Rd, Bk ,Gr, Yl	75 lbs	DLOCK	50
65001	650	Cable Tie Canister (12" H x 4⅞" dia.)	4"	Natural	18 lbs	–	100
			4"	Rd, Bk ,Gr, Yl	18 lbs	–	200
			8"	Natural	75 lbs	DLOCK	300
			11"	Natural	75 lbs	DLOCK	50

MOUNTING BASES

- Adhesive backed mounting bases for securing wire and cable bundles.
- Center screw hole for extra holding power.
- Molded with durable Nylon™ 6/6 material.
- Four sided design so ties can be easily inserted from any angle.

Part #	Qty	Description	Size	Color	Fits Widths	Recommended Cable Ties
MB-10	100	Mounting Base	¾" x ¾"	Natural	.10" - .14"	18 lbs & 45 lbs
MB-10UVB	100	UVB Mounting Base	¾" x ¾"	Black	.10" - .14"	18 lbs & 45 lbs
45-MB	5	Mounting Base	1" x 1"	Natural	.10" - .17"	18 lbs, 45 lbs, & 50 lbs
45-MBUVB	5	UVB Mounting Base	1" x 1"	Black	.10" - .17"	18 lbs, 45 lbs, & 50 lbs
MB-20	100	Mounting Base	1" x 1"	Natural	.10" - .17"	18 lbs, 45 lbs, & 50 lbs
MB-20UVB	100	UVB Mounting Base	1" x 1"	Black	.10" - .17"	18 lbs, 45 lbs, & 50 lbs
MB-30	100	Mounting Base	1½" x 1½"	Natural	.10" - .29"	175 lbs Heavy-duty
MB-30UVB	100	UVB Mounting Base	1½" x 1½"	Black	.10" - .29"	175 lbs Heavy-duty

CABLE TIE TENSIONING TOOL

Tightens cable ties with a pull of the trigger.

- Quick twist snaps off excess length.
- Use for all cable ties up to 75 lbs tensile strength.
- Compact for easy storage.

Part #	Description
CTT-45	Economy Cable Tie Tensioning Tool

CABLE TIE TENSIONING TOOL

Tightens and cuts off cable ties with a pull of the trigger.

- Achieves proper tie tension and cutoff every time.
- Lightweight polycarbonate material for easy handling.
- Adjustable, single-action trigger operation with short squeeze stroke and positive cut-off for burr-free edges.
- Handles all cable ties up to 75 lbs tensile strength.

Part #	Description
CTT-55	Cable Tie Tensioning Tool

GRIP-STRIP™ VELCRO® FASTENERS

Reusable Velcro® strip fastens wires and cables.

- Made of Velcro® hook and loop for repeated use.
- Great for outdoor use.
- Quick secure attachments.
- Cinch tab allows attachment to cable or cord.

Part #	Length	Description	Color	Pkg Qty
45-V8BK	8"	Grip-Strip™ Velcro® fastening tie	Black	5/bag
45-V8RD	8"	Grip-Strip™ Velcro® fastening tie	Red	5/bag
45-V11BK	11"	Grip-Strip™ Velcro® fastening tie	Black	5/bag
45-V11RD	11"	Grip-Strip™ Velcro® fastening tie	Red	5/bag
45-V15BK	15"	Grip-Strip™ Velcro® fastening tie	Black	3/bag
45-V15RD	15"	Grip-Strip™ Velcro® fastening tie	Red	3/bag

SPLIT FLEX TUBING

Protects and organizes wire and cable.

- Constructed of polyethylene.
- Corrugated for added flexibility.
- Split along length for easy insertion.

Part #	Description	Color	Inside Dia.	Pkg Qty
FLX-3810	10' Flex Tubing	Black	3/8"	1/bag
FLX-5007	7' Flex Tubing	Black	1/2"	1/bag
FLX-757GR	5' Flex Tubing	Grey	3/4"	1/bag
FLX-1007GR	5' Flex Tubing	Grey	1"	1/bag

SPIRAL WRAP

Coils around bundles of wire.

- Constructed of polyethylene.
- Organizes wire.
- Allows access to wires throughout run.

			Includes:		
Part #	Description	Qty	Qty	Description	Inside Dia.
FSP-AST	Spiral Wrap 4' length	1/bag	1	4' length	3/8"
			1	5' length	1/8"

POCKET PACK WIRE MARKERS

Pocket-sized booklets of cloth wire markers and matching terminal markers.

- Saves time and money during all on-site and in-plant initial hookup, troubleshooting, maintenance and repair.
- Vinyl-impregnated cloth resists moisture, dirt and oil.
- Non-smear legends assure high visibility for instant, positive identification.
- Matching terminal marker with every wire marker, plus an extra page of blank write-on wire and terminal markers for special legends.

Part #	Marker Legends	Qty
42-027	0 - 9	45/ea
42-028	A - Z	10/ea
	0 - 15	10/ea
	Symbols: +, -, /	10/ea
42-029	1 - 45	10/ea
42-030	46 - 90	10/ea
42-035	1 - 15	6/ea
	16 - 90	4/ea
	A - Z	2/ea
	Symbols: +, -, /, 0	2/ea

Part #	Marker Legends	Qty
42-036	1, 2 and 3	45/ea
	A, B and C	45/ea
	T1, T2 and T3	30/ea
	L1, L2 and L3	30/ea

Part #	Description
42-040	Household Wire Marker Book
42-ALPHA	Circuit Breaker Box Marker Book

TUFF-CODE™ WIRE MARKING CASSETTE

Modular cassette hooks to pouch or tool box to supply markers at your fingertips.

- Holds fast against dirt, grease, oil, abrasion, moisture, solvents, chemicals and temperature extremes of -40 °F to 300 °F.
- Interlocking individual cassette modules snap together allowing you to select and carry any combination or number of markers to fit your needs. (Ten-module cassette dispenser unit is standard.)
- Each roll contains 96 one-inch perforated marker strips with identical symbols throughout (8' length).

Part #	Pkg Qty	Description
39-09	10 cassettes	0 - 9

PLASTIC KWIK CLIPS

Mount bundles, cables, cords, tools etc. to drywall, wood and painted surfaces.

- Ratcheting/releasable feature allows adjustment to a range of bundle diameters.
- Adhesive backed.

Part #	Pkg Qty	Description	Color
GKK-1538	6/card	Holds ⅜" Cable	Natural
GKK-1538UVB	6/card	Holds ⅜" Cable	Black
GKK-1550	4/card	Holds ½" Cable	Natural
GKK-1550UVB	4/card	Holds ½" Cable	Black
GKK-1575	2/card	Holds ¾" Cable	Natural
GKK-1575UVB	2/card	Holds ¾" Cable	Black

METAL STAPLES

Secures Romex® wire and other types of non-metallic cable.

- Recessed head drives faster and protects cable insulation.
- Pointed legs drive in straight; will not split wood.

Part #	Pkg Qty	Dimensions	Conductor	Gauge
MS-150	100/box	1"L x ½"W	2-Conductor	#12 & #14
MS-150J	150/jar	1"L x ½"W	2-Conductor	#12 & #14
MS-1550	24/card	1"L x ½"W	2-Conductor	#12 & #14
MS-1555	50/card	1"L x ½"W	2-Conductor	#12 & #14
MS-1575	18/card	9/16"L x 1¼"W	3-Conductor	#10 & #12
MS-1577	50/card	9/16"L x 1¼"W	3-Conductor	#10 & #12
MS-175J	150/jar	9/16"L x 1¼"W	3-Conductor	#10 & #12
MS-450J	450/jar	9/16"L x 1¼"W	3-Conductor	#10 & #12
MS-500J	500/jar	1"L x ½"W	2-Conductor	#12 & #14
MS-550	500/box	1"L x ½"W	2-Conductor	#12 & #14
MS-950	5,000/bulk	1"L x ½"W	2-Conductor	#12 & #14
MS-950B	5,000/bucket	1"L x ½"W	2-Conductor	#12 & #14
MS-950BU	10,000/bucket	1"L x ½"W	2-Conductor	#12 & #14

LIGHTER GAUGE METAL STAPLES

Secures Romex® wire.

- Easy to start and drive.
- Will not split firing strips.
- Constructed of high carbon steel.
- Recessed head and pointed offset legs drive in straight.
- Will not split wood.

Part #	Pkg Qty	Description
MSL-950B	5,000/bucket	Lighter Gauge Metal Staple, 2 cond, ½"

METAL STACKING STAPLES

Secures 2-4 14/2 &12/2 NM-NMB cables.

- Extra long legs accommodate multiple cables.
- Conforms to NEC Code 300-4D. Consult note 8 of cables 310 16-19.

Part #	Pkg Qty	Description
MS-1550XL	16/card	1¾"L x ½"W for stacking 2 to 4 14/2 & 12/2 NM-NMB cables
MS-150XL	100/box	1¾"L x ½"W for stacking 2 to 4 14/2 & 12/2 NM-NMB cables

METAL STAPLES - INSULATED

Secures and protects NM, BX and other cables.

- Made from high carbon steel.
- Cable protected by polyethylene insulation.

Part #	Pkg Qty	Size	Application
MSI-150	100/box	1/2"	14/2 & 12/2 cable
MSI-550	500/box	1/2"	14/2 & 12/2 cable
MSI-750B	2,500/bucket	1/2"	14/2 & 12/2 cable
MSI-950B	5,000/bucket	1/2"	14/2 & 12/2 cable
MSI-1525	15/card	1/2"	14/2 & 12/2 cable
MSI-50B	50/bag	1/2"	14/2 & 12/2 cable
MSI-200J	200/jar	9/16"	10/2 & 12/2 cable

STEEL INSULATED BELL WIRE STAPLES

Secures bell, speaker and phone wiring.

- Cradles and protects wire.

Part #	Pkg Qty	Size	Color
MSB-1540	40/card	1/8"	Brown
MSB-40	40/box	1/8"	Brown
MSW-1540	40/card	1/8"	White
MSW-40	45/box	1/8"	White

SERVICE ENTRANCE STAPLES

Secures Service Entrance cables.

- Made from high carbon steel.
- Pointed offset legs drive in straight.
- Will not split wood.

Part #	Pkg Qty	Dimensions	Application
GSE-15310	10/card	1 3/8"L x 13/16"W	SEU #6 with ground
GSE-15410	10/card	2 7/16"L x 1 1/16"W	4/3 and 2/3 SE cable
GSE-310	100/box	1 3/8"L x 13/16"W	SEU #6 with ground
GSE-410	100/box	1 7/16"L x 1 1/16"W	4/3 and 2/3 SE cable
GSE-510*	100/box	1 7/8"L x 1 11/32"W	2/0 SE, 1" EMT
GSE-610*	100/box	2 1/4"L x 1 3/16"W	2/3 BX, 1" EMT, 1" Greenfield, 2/3 SER
GSE-710*	100/box	2 1/8"L x 1 5/8"W	4/0 SE, Large BX, Romex®, Greenfield
GSE-9310	5,000/box	1 3/8"L x 13/16"W	SEU #6 with ground

*UL listed.

PLASTIC STAPLES

Secures Romex®, UF and other type NM cable up to 3-conductor (#10).

- Fast and easy to install - both zinc plated nails drive together without splitting wood.
- Nail heads are recessed for minimum exposure.
- Smooth saddles prevent damage to insulation.
- Polyethylene saddle resists rot, rust, and deterioration.
- UV protected.

Part #	Pkg Qty	Description
PS-150	100/box	½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PS-150Z	100/bag	½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PS-1550	15/card	½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PS-1550H	15/card	½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PS-250	250/bag	½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PS-50	50/bag	½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PS-50G	50/bag	½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PS-550	500/box	½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PS-550B	500/bag	½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PS-750B	2,000/bucket	½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PSM-1550	25/clam	Masonry ½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PSM-225	225/jar	Masonry ½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PSO-1525	25/clam	Masonry ½" for 2-conductor Romex® & other type NM cable conductor (#12 & #14)
PS-1575	15/card	¾" for 3-conductor Romex® & other type NM cable conductor (#10 & #12)
PS-1575H	15/card	¾" for 3-conductor Romex® & other type NM cable conductor (#10 & #12)
PS-175	100/box	¾" for 3-conductor Romex® & other type NM cable conductor (#10 & #12)
PS-175Z	100/bag	¾" for 3-conductor Romex® & other type NM cable conductor (#10 & #12)
PS-175ZJ	175/jar	¾" for 3-conductor Romex® & other type NM cable conductor (#10 & #12)
PS-275	250/bag	¾" for 3-conductor Romex® & other type NM cable conductor (#10 & #12)
PS-2575	25/bag	¾" for 3-conductor Romex® & other type NM cable conductor (#10 & #12)
PS-575	500/box	¾" for 3-conductor Romex® & other type NM cable conductor (#10 & #12)
PS-575B	250/bag	¾" for 3-conductor Romex® & other type NM cable conductor (#10 & #12)
PS-75	50/bag	¾" for 3-conductor Romex® & other type NM cable conductor (#10 & #12)
PSM-175	175/jar	Masonry ¾" for 3-conductor Romex® & other type NM cable conductor (#10 & #12)
PSO-1575	25/clam	Masonry ¾" for 3-conductor Romex® & other type NM cable conductor (#10 & #12)

PLASTIC STACKING STAPLES

Plastic insulated staples quickly and easily secure vertical stacks of non-metallic sheathed cable, aluminum clad cable or metal clad cable.

- Smooth saddles prevent damage to insulation.
- Polyethylene saddle resists rot, rust, and deterioration.
- UV protected.

Part #	Pkg Qty	Description
PSS-250	50/box	Plastic Stacker Staple for 2 #12 or #14 NMB
PSS-350	50/box	Plastic Stacker Staple for 3 #12 or #14 NMB
PSS-450	50/box	Plastic Stacker Staple for 4 #12 or #14 NMB

SERVICE ENTRANCE CABLE STRAPS

Plastic insulated straps quickly and easily secure service entrance cable.

- Electro-zinc plated nails provide strength and durability.
- Cradles constructed of polyethylene.
- Straps stabilized against UV rays and extreme cold; withstands deterioration and breakage.

Part #	Pkg Qty	Description
GSE-105	5/card	#6 SEU
GSE-170*	70/box	#6 SEU
GSE-205	5/card	#2 SER
GSE-250*	50/box	#2 SEU
GSE-304	4/card	#2 SER
GSE-330*	30/box	#2 SER
GSE-402	2/card	#4/0 SEU
GSE-420	20/box	#4/0 SEU
GSE-505	5/card	#6 SER
GSE-560*	60/box	#6 SER
GSE-630	30/box	#2/0 SEU
GSE-715	15/box	#4/0 SER

*UL listed.

TWO-HOLE PLASTIC STRAPS

Enables secure fastening of plastic electrical conduit, schedule 40 PVC, copper tubing, etc.

- Heavy-duty polyethylene resists deterioration from UV rays and breakage from extreme cold.

Part #	Pkg Qty	Description
GCC-120	6/card	.840" diameter for ½" conduit
GCC-1B	300/box	.840" diameter for ½" conduit
GCC-220	20/bag	1.05" diameter for ¾" conduit
GCC-2B	250/box	1.05" diameter for ¾" conduit
GCC-310	10/bag	1.315" diameter for 1" conduit
GCC-3B	150/box	1.315" diameter for 1" conduit
GCC-410	10/bag	1.66" diameter for 1¼" conduit
GCC-4B	100/box	1.66" diameter for 1¼" conduit
GCC-510	10/bog	1.9" diameter for 1½" conduit
GCC-5B	50/box	1.9" diameter for 1½" conduit
GCC-610	10/bag	2.375" diameter for 2" conduit
GCC-6B	50/box	2.375" diameter for 2" conduit

PLASTIC COAXIAL STAPLES

Secures RG-49, RG-59 and RG-6 coaxial cables.

- UV resistant polyethylene saddle.
- Used for indoor and outdoor applications.
- Zinc plated nails.

Part #	Pkg Qty	Description
PSB-1600	25/card	3/16" Black Coaxial Staple
PSB-160	100/card	3/16" Black Coaxial Staple
PSW-1600	25/card	3/16" White Coaxial Staple
PSW-160	100/card	3/16" White Coaxial Staple
PMB-1525	25/card	1/8" Black Coaxial Staple
PMB-100	100/box	1/8" Black Coaxial Staple
PMW-1525	25/card	1/8" White Coaxial Staple
PMW-100	100/box	1/8" White Coaxial Staple
PSW-200J	200/jar	1/8" White Coaxial Staple
PSB-1650	25/card	1/4" Black Coaxial Staple
PSB-165	50/card	1/4" Black Coaxial Staple
PSB-100	100/box	1/4" Black Coaxial Staple
PSW-1650	25/card	1/4" White Coaxial Staple
PSW-165	50/card	1/4" White Coaxial Staple
PSW-100	100/card	1/4" White Coaxial Staple
PSG-15	15/card	7/16" Gray Coaxial Staple
PSG-100	100/box	7/16" Gray Coaxial Staple
PCC-1525	25/clam	Coaxial Staple-Standard (w/clip-on feature)
PCC-300	300/jar	Coaxial Staple-Standard (w/clip-on feature)

LOW VOLTAGE PLASTIC STAPLES

Secures bell and speaker wire.

- Clip on feature enables hands-free installation.
- Accommodates bell and speaker wire.
- Used for inside and outside applications.
- UV resistant polyethylene saddles.
- Zinc plated nails.

Part #	Pkg Qty	Description	Color
PLB-1525	25/clam	Low-Volt Staple - Standard (w/clip-on feature)	Black
PLB-300	300/jar	Low-Volt Staple - Standard (w/clip-on feature)	Black
PLT-1525	25/clam	Low-Volt Staple - Standard (w/clip-on feature)	Tan
PLT-300	300/jar	Low-Volt Staple - Standard (w/clip-on feature)	Tan
PLW-1525	25/clam	Low-Volt Staple - Standard (w/clip-on feature)	White
PLW-300	300/jar	Low-Volt Staple - Standard (w/clip-on feature)	White
PMC-1525B	25/clam	Low-Volt Staple - Masonry (w/clip-on feature)	Black
PMC-250B	300/jar	Low-Volt Staple - Masonry (w/clip-on feature)	Black
PMC-1525W	25/clam	Low-Volt Staple - Masonry (w/clip-on feature)	White
PMC-250W	300/jar	Low-Volt Staple - Masonry (w/clip-on feature)	White

MASONRY COAXIAL STAPLES

Secures RG-49, RG-59 and RG-6 coaxial cables.

- Hardened nails can penetrate cement block, mortar or plaster surfaces.
- Perfect for cable TV and other hard-surface installations.
- UV Protected.

Part #	Pkg Qty	Description	Color
PCS-1525	25/card	¼" Masonry Coaxial Staple	Black
PCS-1600	25/clam	¼" Masonry Coaxial Staple (w/ Clip-on feature)	Black
PCS-100	100/box	¼" Masonry Coaxial Staple	Black
PCS-200J	200/jar	¼" Masonry Coaxial Staple	Black
PCS-300B	300/jar	¼" Masonry Coaxial Staple (w/ Clip-on feature)	Black

DOUBLE COAXIAL STAPLES

Secures multiple RG-59, RG-59 Quad Shield, RG-6 and RG-6 Quad Shield wire.

- Clip-on feature enables hands-free installation.
- Used for inside and outside applications.
- UV resistant polyethylene saddles.
- Zinc plated nails.

Part #	Pkg Qty	Description	Color
PDS-1525B	25/clam	Coaxial Staple - Standard Double (w/clip-on feature)	Black
PDS-200B	200/jar	Coaxial Staple - Standard Double (w/clip-on feature)	Black
PDC-1525B	25/clam	Coaxial Staple - Masonry Double (w/clip-on feature)	Black
PDC-200B	200/jar	Coaxial Staple - Masonry Double (w/clip-on feature)	Black

COAXIAL ROOFING STAPLES

Secures multiple RG-59, RG-59 quad shield, RG-6 and RG-6 quad shield wire into wood or masonry.

- Clip-on feature enables hands-free installation.
- Long nail accommodates roofing applications.
- Used for inside and outside applications.
- UV resistant polyethylene saddles.
- Zinc plated nails.

Part #	Pkg Qty	Description	Color
PSR-25	25/clam	Coaxial Staple - Roofing (w/clip-on feature)	Black
PSR-250	250/jar	Coaxial Staple - Roofing (w/clip-on feature)	Black

CATEGORY 3 & 5 STAPLES

Secures RJ-11, RJ-12, RJ-45, Category 3 and Category 5 wire.

- UV resistant polyethylene saddles.
- Zinc plated nails.

Part #	Pkg Qty	Description	Color
PTM-25	25/clam	Category 3 and 5 Staple - Standard	Blue
PTM-250	300/jar	Category 3 and 5 Staple - Standard	Blue
PTP-25	25/clam	Category 3 and 5 Staple - Masonry	Blue
PTP-250J	300/jar	Category 3 and 5 Staple - Masonry	Blue

KWIK MOUNT STAPLES

Fastens and guides wires.

- Wires easily snap in or out of two usable sides.
- Accommodates Category 5 wire.
- Use to secure Christmas light sets, sound systems wires, etc.

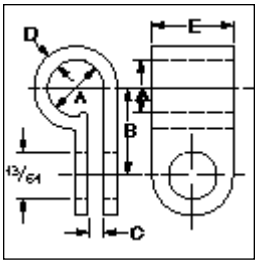
Part #	Pkg Qty	Description
PWS-1525	25/card	7/8" x 3/16" x 1/4" Kwik Mount Staples
PWS-50B	50/bag	7/8" x 3/16" x 1/4" Kwik Mount Staples

PLASTIC CABLE CLAMPS

Holds harnesses, cables and tubing.

- Used for construction, maintenance and assembly line operations.
- Use in control cabinets, panels and general applications.
- Tough, durable, yet extremely lightweight.
- Working temperature range: -66 °F to 340 °F.
- Clean, smooth edges for easy handling.
- Fast installation.

Part #	Pkg Qty	Dimensions A dia.	B	C	D	E width
PPC-1	100/box	1/8"	23/64"	1/32"	3/64"	3/8"
PPC-2	100/box	3/16"	25/64"	1/32"	3/64"	3/8"
PPC-3	100/box	1/4"	27/64"	3/64"	3/64"	3/8"
PPC-5	100/box	3/8"	31/64"	3/64"	3/64"	3/8"
PPC-7	100/box	1/2"	35/64"	3/64"	3/64"	3/8"
PPC-22	100/box	1/4"	27/64"	3/64"	3/64"	1/2"
PPC-26	100/box	1/2"	35/64"	3/64"	3/64"	1/2"
PPC-28	100/box	5/8"	39/64"	3/32"	3/64"	1/2"
PPC-30	100/box	3/4"	3/64"	3/32"	3/64"	1/2"
PPC-31	50/box	7/8"	47/64"	3/32"	3/64"	1/2"
PPC-32	50/box	1"	51/64"	3/32"	3/64"	1/2"
PPC-34	50/box	1 1/4"	59/64"	1/8"	1/16"	1/2"
PPC-1512	24/card	3/8"	23/64"	1/32"	3/64"	1/8"
PPC-1518	21/card	3/8"	25/64"	1/32"	3/64"	3/16"
PPC-1525	18/card	1/4"	25/64"	1/32"	3/64"	3/8"
PPC-1525UVB	18/card	1/4"	25/64"	1/32"	3/64"	3/8"
PPC-1538	15/card	3/8"	31/64"	1/32"	3/64"	3/8"
PPC-1538UVB	15/card	3/8"	31/64"	1/32"	3/64"	3/8"
PPC-1550	12/card	1/2"	35/64"	3/64"	3/64"	3/8"
PPC-1550UVB	12/card	1/2"	35/64"	3/64"	3/64"	3/8"
PPC-1575	6/card	3/4"	3/64"	3/32"	3/64"	1/2"
PPC-1575UVB	6/card	3/4"	3/64"	3/32"	3/64"	1/2"
PPC-1600	4/card	1"	51/64"	3/32"	3/64"	1/2"
PPC-1600UVB	4/card	1"	51/64"	3/32"	3/64"	1/2"



EZ CABLE CLIPS™

Secures television, cable, telephone lines, copper tubing, plastic water lines and extension cords to stucco, concrete and brick surfaces.

- Easy closure for repeated use.
- Resists rust and UV rays.
- Clip molds around cable for secure holding.

Part #	Pkg Qty	Description	Color
PAC-1518	15/clam	1/8" EZ Cable Clip™	Aluminum
PAC-1	100/clam	1/8" EZ Cable Clip™	Aluminum
PAC-1525	15/clam	1/4" EZ Cable Clip™	Aluminum
PAC-3	100/jar	1/4" EZ Cable Clip™	Aluminum
PAC-1550	15/clam	1/2" EZ Cable Clip™	Aluminum
PAC-7	100/jar	1/2" EZ Cable Clip™	Aluminum
PAW-1518	15/clam	1/8" EZ Cable Clip™	White
PAW-1525	15/clam	1/4" EZ Cable Clip™	White
PAW-1550	15/clam	1/2" EZ Cable Clip™	White
PAB-1518	15/clam	1/8" EZ Cable Clip™	Brown
PAB-1525	15/clam	1/4" EZ Cable Clip™	Brown
PAB-1550	15/clam	1/2" EZ Cable Clip™	Brown

SHARK TOOTH ANCHOR

Installs 1/4" or 3/16" wire to stucco or mortar surfaces.

- Constructed of lightweight aluminum.
- Weather resistant extends life.
- Easy installation.

Part #	Pkg Qty	Description
MST-1525	15/clam	1/4" Shark Tooth Anchor
MST-1316	15/clam	3/16" Shark Tooth Anchor
MST-14	100/jar	1/4" Shark Tooth Anchor
MST-316	100/jar	3/16" Shark Tooth Anchor

SIDING CLIPS

Installs 1/4" or 3/16" wire to aluminum or vinyl siding.

- Constructed of lightweight aluminum.
- Weather resistant extends life.
- Easy installation.

Part #	Pkg Qty	Description
MSC-1316	15/clam	3/16" Siding Clip
MSC-1525	15/clam	1/4" Siding Clip
MSC-316	100/jar	3/16" Siding Clip
MSC-14	100/jar	1/4" Siding Clip

STANDARD STEEL SCREW-TYPE NM CABLE FITTINGS

3/8" Standard fittings for 14/2, 14/3, 12/2 and 12/3 NM cable.

- Tighten screws to insure a secure fit.
- Durable die cast steel.

Part #	Pkg Qty	Description
RXM-38	100/box	3/8" Steel Standard NM Cable Fitting

ALUMINUM CRIMP-TYPE NM FITTINGS

1/2" Universal "Quick Crimp" aluminum fittings for 14/2, 14/3, 12/2 and 12/3 NM cable.

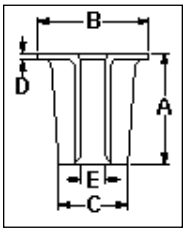
- Squeeze barrel in two places with pliers for vibration-resistant fit; squeeze opposite sides of barrel for easy removal.
- 1050 aluminum alloy material.

Part #	Pkg Qty	Description
RXA-50	100/box	1/2" Aluminum "Quick Crimp" Universal NM Cable Fitting

ANTI-SHORT BUSHINGS

Insulates conductor from cut armor ends on flexible, BX or Greenfield conduit.

- Overlapping horizontal flange protects against sharp metal edges.
- Tapered design assures fast insertion.
- Extra length assures positive grip.
- Polypropylene material resists weather extremes, oil, moisture and chemicals. Rated at 105˚.

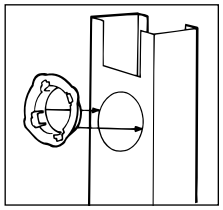


Part #	Pkg Qty	Fits Cable Sizes: Gauge	Flexible	Greenfield	Dimensions A	B	C	D	E
AS-0	100/box	14/2, 14/3, 12/2	1/8" - 1/4" dia	1/4" - 5/16" dia	31/64"	9/16"	21/64"	1/64"	5/32"
AS-1	100/box	14/4, 12/3, 6/1, 4/1	1/4" - 3/8" dia	3/8" dia	31/64"	11/16"	29/64"	1/64"	7/32"
AS-2	100/box	12/3, 10/2, 10/3, 2/1	3/8" - 1/2" dia	1/2" dia	33/64"	13/16"	39/64"	1/64"	9/32"
AS-3	100/box	10/4, 8/2, 8/3, 1/1	1/2" - 5/8" dia	3/4" dia	41/64"	1"	25/32"	1/64"	11/32"
AS-4	100/box	8/4, 6/2, 6/3, 4/2, 4/3, 6/4	5/8" - 1" dia	1" dia	49/64"	15/16"	1 1/32"	1/64"	13/32"

ELECTRICAL INSULATORS FOR METAL STUDS

Fits 1 11/32" punched holes

- Durable, waterproof polypropylene completely isolates wire and cable from metal studs.
- Snaps in place in seconds; stays secure.



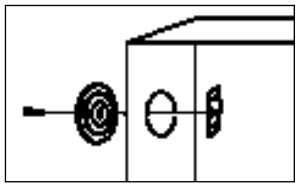
Part #	Pkg Qty	Description
SPI1000	1000/bag	Metal Stud Insulators

SEE PAGE 126 for info on Stud Punch

KNOCKOUT SEALS (½" TO 6")

Easy to use metal knockout seal.

- Fast and easy to install from inside or outside of box.
- Embossed for quick self-centering in unused knockouts. One screw holds seal in place.
- Made of rust-proofed cold-rolled galvanized steel. Screw and bar are zinc-plated.
- Marked for size and catalog number for easy identification.
- 16-gauge steel.



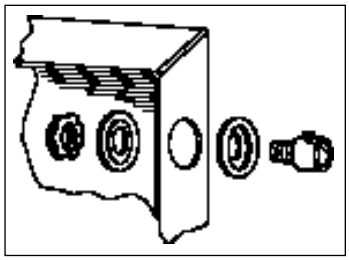
SEE PAGE 115
for info on Knockout Sets

Part #	Pkg Qty	For Knockout Dia	Part #	Pkg Qty	For Knockout Dia
701	100/box	½"	**705**	10/box	1½"
701C	5/clam	½"	**706**	10/box	2"
702	50/box	¾"	**707**	10/box	2½"
702C	3/clam	¾"	**708**	10/box	3"
703	25/box	1"	**709**	10/box	3½"
704	25/box	1¼"	**710**	10/box	4"

REDUCING WASHERS

Most common styles of reducing washers.

- Stamped from cold-rolled steel, thoroughly rust-proofed and embossed for self-centering.
- Marked with size and catalog number.



Part #	Pkg Qty	Size	Part #	Pkg Qty	Size
RW500	100/box	½" - ⅛"	**RW520**	10/box	2½" - 1"
RW501	100/box	½" - ¼"	**RW521**	10/box	2½" - 1¼"
RW502	100/box	½" - ⅜"	**RW522**	10/box	2½" - 1½"
RW503	100/box	¾" - ½"	**RW523**	10/box	2½" - 2"
RW504	100/box	1" - ½"	**RW525**	10/box	3" - 1"
RW505	100/box	1" - ¾"	**RW526**	10/box	3" - 1¼"
RW506	50/box	1¼" - ½"	**RW527**	10/box	3" - 1½"
RW507	50/box	1¼" - ¾"	**RW528**	10/box	3" - 2"
RW508	50/box	1¼" - 1"	**RW529**	10/box	3" - 2½"
RW509	50/box	1½" - ½"	**RW535**	10/box	3½" - 1½"
RW510	50/box	1½" - ¾"	**RW536**	10/box	3½" - 2"
RW511	50/box	1½" - 1"	**RW537**	10/box	3½" - 2½"
RW512	50/box	1½" - 1¼"	**RW538**	10/box	3½" - 3"
RW513	50/box	2" - ½"	**RW544**	10/box	4" - 2"
RW514	50/box	2" - ¾"	**RW545**	10/box	4" - 2½"
RW515	50/box	2" - 1"	**RW546**	10/box	4" - 3"
RW516	50/box	2" - 1¼"	**RW547**	10/box	4" - 3½"
RW517	50/box	2" - 1½"			

SNAP-IN SEALS (½" TO 2")

Convenient snap-in feature for quick installation.

- Zinc-plated to resist corrosion.

SEE PAGE 118
for info on Knockouts

Part #	Pkg Qty	For Knockout Dia.
601	100/box	½"
602	100/box	¾"
603	50/box	1"
604	50/box	1¼"
605	50/box	1½"
606	25/box	2"

DUCT SEAL COMPOUND

Seals conduit openings against drafts, dust, moisture and noise.

- Protects terminal boxes, pot heads and bushings from corrosive elements.
- Deadens switch gear panel noise.
- Dough-like compound is easily “thumbed” over holes and gaps.
- Will not harden or form a skin under normal conditions.
- Not for use outdoors.
- Specifications:
  - Viscosity: ASTM D-217 300-gram load - 7.0 -11.0; ASTM DS-S2 100-gram load - 9.0 -15.0
  - Temperature Range: Adheres at -20 °F. Will not slump after 1 hr. at 350 °F.
  - Flash Point: Over 550 °F.
  - Other Properties: Non-conducting, non-deteriorating, non-toxic, non-corrosive, non-staining, non-curable; 99% solid, coil-based.

Part #	Pkg Qty	Description
DS-110	10 pugs	1 lb Pugs
DS-130	30 pugs	1 lb Pugs
DS-510	2 pugs	5 lb Pugs
DS-530	6 pugs	5 lb Pugs

GALVANIZED HANGER STRAP

For hanging or fastening conduit, pipe or cables.

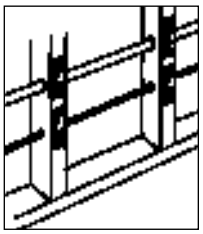
- Flexible for easy use.

Part #	Pkg Qty	Description
GHS-1510	1/card	10' x ¾" x 20 gauge

SAF-TE-PLATE™ PROTECTORS

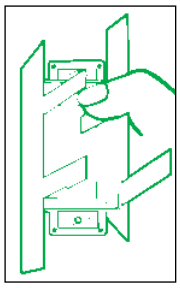
Protects cable and plastic pipe from nail punctures.

- Plate attaches to wood studs with a single hammer blow.
- Required for compliance with NEC 1990 Article 300-4A.



Part #	Pkg Qty	Description
FP159-3	100/box	1½" x 3" Metal Safety Plate
FP159-6	50/box	1½" x 6" Metal Safety Plate

BOX SUPPORTS



Saves time for installing outlet or switch boxes.

- Screwless support for ease of use.
- Simple to use:
  1. Mark corners of box position and drill four ½" holes.
  2. Saw between holes to make box opening.
  3. Place box into opening.
  4. Slip box supports into openings alongside box; one with long end up, the other down.
  5. Bend fingers of box supports into box while firmly pressing box against wall.

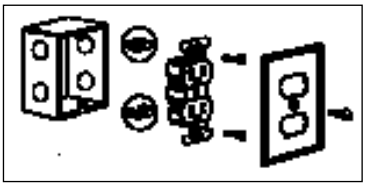
Part #	Pkg Qty	Description
800	25 sets/box	Box Support Set (pair)

QUICK FIX SPACERS

Adjusts length of receptacle or switches for proper fit of trim plates.

- Four-inch stack of spacers twists apart easily for desired thickness.

Part #	Pkg Qty	Description
GSP-04	1	Spacers



TK-60

TK-47

FASTENER KITS

Contains staples for coaxial, Romex® and low voltage wiring needs.

- Polyethylene coaxial staples resist rot, rust and deterioration.
- Metal staples constructed from high carbon steel.

Part #	Pkg Qty	Description
TK-60	1 kit	Plastic/Metal Fastener Kit

Kit Contains:

Qty	Description
20	¼" Coaxial Staples*
20	⅛" Bell Wire Staples
20	½" Metal Staples

*Voice/Data/Video

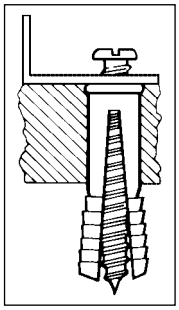
Part #	Pkg Qty	Description
TK-47	1 kit	Plastic/Metal Fastener Kit

Kit Contains:

Qty	Description
20	Coaxial Staples*
7	½" Plastic Staples
20	½" Metal Staples

*Voice/Data/Video

NYLON® FLANGE ANCHOR KIT



Keep-Safe Collar™ prevents anchor from falling into over-size holes or hollow walls.

- Vibration-proof.
- Serviceable through temperature extremes of -40 - 185 °F (-56 - 85 °C).
- High tensile and impact strength.
- Rust and rot proof.
- Self-extinguishing and fungus-inert.
- Provides thermal and electrical insulation.
- Carbide drill bit included in kit.

Part #	Pkg Qty	Description
AN4-K100	1 kit	Plastic Anchor Kit

Kit Contains:

Qty	Description
100	¼" x 1" Anchors
100	#10 x 1¼" Combo Head Sheet Metal Screws
1	¼" Carbide Drill Bit Included

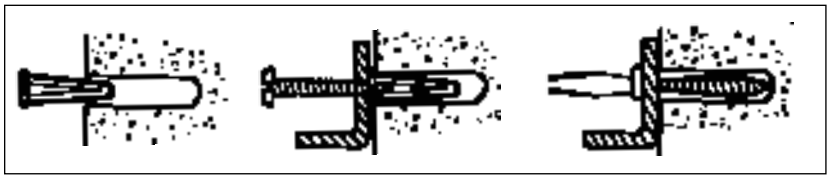
"BIG RED" PLASTIC CONICAL ANCHOR KIT

- Tapered end for easy installation.
- Flanged ribs prevent turning or twisting in hole.
- Carbide drill bit included with each kit.

Part #	Pkg Qty	Description
AP4-K100	1 kit	Plastic Anchor Kit

Kit Contains:

Qty	Description
100	¼" x 1" Anchors
100	#10 x 1" Slot/Phillips Combo Head Sheet Metal Screws
1	¼" Carbide Drill Bit Included



PART #	PAGE
10-001	5
10-001HT	6
10-002	5
10-002HT	6
10-003	5
10-003HT	6
10-004	5
10-004HT	6
10-006	5
10-076	20
10-077	20
10-084	6
10-086	6
10-089	6
10-095	8
10-100	16
10-101	15
10-102	15
10-103	15
10-104	15
10-105	15
10-106	15
10-107	15
10-108	15
10-111	15
10-112	15
10-113	15
10-114	15
10-116	15
10-121	16
10-123	16
10-126	16
10-141F	15
10-141M	15
10-141P	15
10-143F	15
10-143M	15
10-143P	15
10-145F	15
10-145M	15
10-151F	16
10-151M	16
10-151P	16
10-153F	16
10-153M	16
10-153P	16
10-161F	16
10-161M	16
10-161P	16
10-163F	16
10-163M	16
10-163P	16
10-170	17
10-1G1	7
10-1H1	7
10-2218	16
10-2G2	7
10-2H2	7
10-310	10
10-311	10
10-410	10
10-410C	10
10-411	10
106	62
107	66
10-706	11
109	66
11-001	5
11-002	5
11-003	5
11-004	5
11-006	5
1102	66, 67
1103N	66, 67
1105A	66
11-084	6
11-086	6
11-089	6
11-095	8
11-410	10
1142	66, 67
10-2218	16
12-001	5
12-002	5
12-003	5
12-004	5
12-006	5
1206	66
1208	66
12-084	6
12-086	6
12-089	6
12-095	8
1215	66, 67
1216	66
12568	63
126025	61
1261	62
13-003	5
13-004	5
13-006	5
13-084	6
13-086	6
13-089	6
13-095	8
13-1G1	7
13-1H1	7
13-2G2	7
13-2H2	7
13-410	10
14-075	20
14-076	20
14-077	20
14-078	20
14-089	10
14-090	10
14-095	15
14-096	15
14-097	15
14-098	15
14-099	15
14-100	16
14-101	15
14-102	15
14-103	15
14-104	15
14-105	15
14-106	15
14-107	15
14-108	15
14-111	15
14-112	15
14-113	15
14-114	15
14-116	15
14-121	16
14-1210	16
14-123	16
14-126	16
14-141F	15
14-141M	15
14-143F	15
14-143M	15
14-145F	15
14-145M	15
14-151F	16
14-151M	16
14-151P	16
14-153F	16
14-153M	16
14-153P	16
14-161F	16
14-161M	16
14-161P	16
14-163F	16
14-163M	16
14-163P	16
14-170	16, 17
14-2218	16
14-410	10
14-505	19
14-510	19
14-520	19
14-530	19
14-550	19
14-552	19
14-610	19
14-630	19
14-702	11
14-704	11
14-706	11
14-708	11
14-801	11
14-802	11
14-GRC	11
1505	67
1515	63
1517	66
1520	63
1521	63
1523	63
15-FGC	11
16-001	5
16-002	5
16-003	5
16-003L	5
16-004	5
16-004L	5
16-006	5
16-006L	5
16-084	6
16-084L	6
16-086	6
16-086L	6
16-089	6
16-095	8
16-1G1	7
16-1G1L	7
16-1H1	7
16-1H1L	7
16-2G2	7
16-2G2L	7
16-2H2	7
16-2H2L	7
17-003	5
17-004	5
17-006	5
17-084	6
17-086	6
18-260	5
18-430	5
18-440	5
18-484	6
18-486	6
19-001	5
19-002	5
19-003	5
19-004	5
19-006	5
19-084	6
19-086	6
19-089	6
19-095	8
19-1G1	7
19-1H1	7
19-2G2	7
19-2H2	7
19-AWC	8
19-AWW	8
20-100	16
20-103	15
20-104	15
20-105	15
20-106	15
20-107	15
20-108	15
20-111	15
20-113	15
20-114	15
20-116	15
20-121	16
20-123	16
20-126	16
20-141F	15
20-141M	15
20-143F	15
20-143M	15
20-145F	15
20-145M	15
20-151P	16
20-153P	16
20-161P	16
20-163P	16
25-001	5
25-002	5
25-003	5
25-004	5
25-006	5
25-084	6
25-086	6
25-089	6
25-095	8
25-1G1	7
25-1H1	7
25-2G2	7
25-2H2	7
25-AWC	8
27-001	6
27-002	6
27-003	6
27-004	6
39-09	168
42-027	168
42-028	168
42-029	168
42-030	168
42-035	168
45-104	162
45-308	162
45-308FB	162
45-308FG	162
45-308FST	165
45-308FY	162
45-308G	162
45-308MT	164
45-308MTUVB	164
45-308UVB	162
45-312	162
45-312UVB	162
45-315	162
45-315UVB	162
45-MB	166
45-MBUVB	166
45-V11BK	167
45-V11RD	167
45-V15BK	167
45-V15RD	167
45-V8BK	167
45-V8RD	167
46-104	162
46-104M	162
46-104UVB	162
46-104UVBM	162
46-105	162
46-105UVB	162

INDEX BY PART NUMBER

PART #	PAGE
46-108	162
46-108UVB	162
46-206	162
46-206M	162
46-206UVB	162
46-206UVBM	162
46-208	162
46-208UVB	162
46-210	162
46-210UVB	162
46-215	162
46-215UVB	162
46-306	162
46-308	162
46-308FB	162
46-308FG	162
46-308FO	162
46-308FST	165
46-308FY	162
46-308G	162
46-308M	162
46-308UVB	162
46-308UVBM	162
46-310	162
46-310M	162
46-310UVB	162
46-310UVBM	162
46-311	162
46-315	162
46-315M	162
46-315UVB	162
46-315UVBM	162
46-330	163
46-330UVB	163
46-408	163
46-408UVB	163
46-412	163
46-412UVB	163
46-415	162
46-415UVB	162
46-418	163
46-418UVB	163
46-421	163
46-421UVB	163
46-424	163
46-424UVB	163
46-436	163
46-436UVB	163
46-448	163
46-448UVB	163
46-507	162
46-700	165
46-ACL	165
46-ACT	165
47-108	164
47-108UVB	164
47-115UVB	164
47-121UVB	164
47-127UVB	164
47-307	164
47-307UVB	164
47-315	164
47-315UVB	164
48-206	164
48-308	164
48-308UVB	164
48-315	164
48-315UVB	164
48-415	164
48-415UVB	164
49605	12
50-003	5
50-004	5
50-006	5
50-084	6
50-086	6
50098	165
50-1G1	7
50-1H1	7
50-2G2	7
50398	165
601	178
602	178
603	178
604	178
605	178
606	178
65001	165
701	178
701C	178
702	178
702C	178
703	178
704	178
705	178
706	178
707	178
708	178
709	178
710	178
740	92
79-002	82
79-003	82
79-006	82
79-201	83
79-202	83
79-203	83
79-301	83
79-302	83
79-401	84
79-402	84
79-403	84
800	180
820	56
820H	56
821	56
821H	56
822	56
822H	56
90789	165
910B	55
911B	55
912	55
920	55
920H	55
921	55
921H	55
922	55
922H	55
923	55
930B	55
930H	55
931B	55
931H	55
932	55
932H	55
933	55
950	66
A12	49
A13	44
A29	49
A630	49
ANA-K100	181
AP4-K100	181
AS-0	177
AS-1	177
AS-2	177
AS-3	177
AS-4	177
B150R	32
B152E	32
B152R	32
B170104	32
B17012	32
B170120	32
B170121	32
B17013	32
B170225	32
B170228	32
B170230	32
B170236	32
B170238	32
B170242	32
B17025	32
B17026	32
B17133	32
B17135	32
B17284	32
B17293	32
B17435	32
B200	35
B2000	30
B2005	30
B200D	35
B200DPH84	35
B200PE24J	35
B200PE34R	35
B200PH84	35
B200R	32
B200RP	32
B222DA	31
B222EA	31
B222IA	31
B222RA	31
B26	61, 63
B3000	61
B306S	41
B306SPE22J	41
B306SPH80	41
B308S	41
B308SPE22J	38
B308SPH80	38
B316S	37
B316SPE22J	37
B316SPH39	37
B340S	39
B340SPE22J	39
B340SPE32J	39
B340SPH80	39
B343S	42
B343SPE24J	42
B343SPE34J	42
B343SPE34R	42
B343SPH84	42
B35	44
B35PH80	44
B35PE22J	44
B350	39, 40, 42
B351S	43
B351SPE34J	43
B351SPE34R	42
B351SPH84	43
B359S	40
B359SPE32J	40
B359SPH80	40
B35PE22J	44
B35PH80	44
B380S	38
B400	33
B400D	33
B400DL	33
B400DLPE34R	33
B400DPE34J	33
B400DPE34R	33
B400L	33
B400LPE34R	33
B400PE34J	33
B400PE34R	33
B4500K	62, 64
B5125E	32
B5125R	32
B60	61, 64
BA-125	60
BA-150	60
BA-200	60
BA-300	60
BA-500	60
BB2030	59
BB3040	59
BB5150	59
BC12	113
BE400	35
BE400STND	35
BF41	51
BF42	51
BF43	51
BF44	51
BF47	51
BF48	51
BF49	51
BF52	51
BF53	51
BF90	51
BH-100	56
BH-125	56
BH-1804	132
BH-1805	132
BH-1806	132
BH-1808	132
BH-1810	132
BH-75	56
BHB-520D	58
BHB-540A	59
BHB-560	59
BHB-560P	59
BHE-50K	58
BHE-540	59
BHE-560	59
BHT-520A	58
BOS57	54
BOSA57	54
BR-1003	62
BR-1004	62
BR-1005	62
BR-1006	62
BR-1060	62
BR12515	51, 52, 53
BR-1500AC	62
BR-1503	62
BR-1549	62
BR-1650	62
BR-1651	62
BR20000	51, 53
BR57510	51, 52, 53
BT12	113
BT12515	51, 53, 54
BT2000	51, 53, 54
BT57510	51, 53, 54
BTI12520	51
BV12	63
BV1281	63
BV208DA	63, 64
BV23	63
BV24	61
BVP-20	60
BVP-25	60
BVP-30	60
BVP-40	60
BVP-50	60
BVP-60	60
BVS240	60
BW11	52
BW12	52
BW15	52
BW20	53

PART #	PAGE
BW201	54
BW221	54
BW27	53
BW30	53
BW72	51
BW74	51
BW75	51
BW76	51
BWF-800	55
BWF-88	51
BWF-888	51
BZ1185	44
BZ12011	37
BZ12021	37
BZ12031	37, 38
BZ12041	37, 38, 39, 40, 42, 43
BZ12051	37, 38, 39, 40, 42, 43
BZ12061	37, 38, 39, 40, 42, 43
BZ12071	37
BZ12091	37, 38, 39, 40, 42, 43
BZ12341	39, 40, 42, 43
BZ12351	39, 40, 42, 43
BZ12371	37
BZ12372	38, 41
BZ12374	39, 42
BZ12375	37
BZ12376	38, 39, 41, 42
BZ12377	37, 38, 39, 40, 41, 42, 43
BZ12379	41
BZ12380	41
BZ12381	41
BZ12382	38, 41
BZ12383	38, 41
BZ12384	38, 41
BZ12385	38, 41
BZ12386	40, 43
BZ12388	40, 43
BZ12389	40, 43
BZ12390	40, 43
BZ12391	39, 40, 42, 43
BZ12392	39, 40, 42, 43
BZ1306	51
BZ1307	51
BZ1308	51
BZ13081	51
BZ13401	38, 39, 41, 42
BZ1343	35, 44
BZ1344	35, 44
BZ1345	35, 44
BZ1346	44
BZ1347	44
BZ1348	44
BZ241	35
BZ25	34
BZ252	35
BZ253	35
BZ254	35
BZ255	35
BZ256	35
BZ257	35
BZ258	35
BZ259	35
BZ26	34
BZ260	35
BZ-261	35
BZ-262	35
BZ28	34
BZ30	34
BZ32	34
BZ34	34
BZ35	34
BZ37	34
BZ39	34
BZ40	34
BZ42	34
BZ44	34
BZ683	44
BZ691	44
BZ692	44
BZ693	44
BZ70	34
BZ72	34
BZ74	34
BZ76	34
BZ78	34
BZ790	44
C604	49
CB21V	69
CB806028	34
CD1010	50
CD1012	35, 50
CD3014	34, 42, 43, 50
CD3028	34
CD3028KT	33
CD308	50
CD411	49
CF859489	34
CF860013	34
CF861108	34
CF862281	34
CF863104	34
CH1211	50, 112, 123
CH204028	34
CH819044	34
CH951044	34
CK211950	34
CK212950	34
CK579281	34
CM16	34, 76, 134
CM191044	34
CM193350	34
CM194900	34
CM20	34, 134
CM4	37, 44, 134
CM44	134
CM5	112
CM64	134
CM7	35, 38, 39, 40, 41, 42, 43, 134
CP10	78
CP1002	78
CP15	78
CP503	76, 77
CP504	78
CP505	76, 77
CP600	77
CP601	76, 77
CP622	76, 77
CP630	77
CP631	76, 77
CP700	77
CP701	76, 77
CP702	76, 77
CP703	76, 77
CP704	78
CP705	78
CP706	76, 77
CP707	76, 77
CP708	76, 77
CP709	76, 78
CP80	76, 77
CP800	77
CP8000	76
CP8000D	76
CP8001	76
CP801	76, 77
CP802	76, 77
CP806	78
CP807	78
CR-100	97
CRC-100	97
CS1010	37, 38, 50
CS106	44, 50
CS2510	41, 50
CS2514	39, 40, 50
CS400	33, 35
CSE-1000	138, 139, 145, 154, 160
CSE-1200	139, 154, 160
CSE-1900	145, 148, 154, 160
CSE-1941	146, 154, 160
CSE-2000	148, 149, 150, 154, 160
CTT-45	166
CTT-55	166
DC400	33
DS-110	179
DS-130	179
DS-510	179
DS-530	179
E-250	92
E-255	92
E-263	92
E507	57
EFT-20P	73
EFT-50B	73
EX-1204	132
EX-1805	132
EX-1807	132
F125	62, 63, 69
F125B	66, 69
F250	62, 63, 69
F250B	66, 69
F400	62, 63, 69
F400B	61, 69
F600	69
F600B	69
FC1	62, 63, 66, 67, 70
FC10	62, 66, 70
FC11	66, 70
FC12	66, 70
FC2	62, 66, 67, 70
FC3	62, 66, 67, 70
FC4	62, 66, 70
FC5	62, 66, 70
FC6	62, 66, 70
FC7	62, 66, 70
FC8	62, 66, 70
FC9	62, 66, 70
FD-5438B	133
FD-5438C	133
FD-7000	133
FD-7238C	133
FLX-3810	167
FLX-5007	167
FLX-757GR	167
FLX-1007GR	167
FP-10	111
FP159-3	179
FP159-6	179
FP-25	111
FP-30	111
FSP-AST	167
FTB-10	75
FTF-100	74
FTF-200	74
FTF-300	74
FTF-50	74
FTFK-100	74
FTFK-150	74
FTFK-50	74
FTL-10	75
FTL-5	75
FTP-10	74
FTRK-10	74
FTRK-20	74
FTS-100B	73
FTS-100CE	73
FTS-100GR	72
FTS-200B	73
FTS-200CE	73
FTS-200GR	72
FTS-50B	73
FTSS-100GR	72
FTSS-200GR	72
FTX-100	73
GAT-400	135
GAT-502	136
GAT-503	140
GAT-550	142
GBRX-201	107
GBT-500A	153
GBT-502A	153
GBX-200C	107
GC-1000	108
GC-350	108
GC-500	108
GC-75	107
GCC-120	172
GCC-1B	172
GCC-220	172
GCC-2B	172
GCC-310	172
GCC-3B	172
GCC-410	172
GCC-4B	172
GCC-510	172
GCC-5B	172
GCC-610	172
GCC-6B	172
GCM-221	151
GCM-500	151
GCM-600	152
GCM-620	152
GCM-LS	152
GCP-400	106
GCRB-100	108
GCS-100	107
GCT-204	140
GCT-304A	140
GCV-206	138
GDT-11	147
GDT-185A	147
GDT-190A	148
GDT-200A	148
GDT-292A	148
GDT-293A	149
GDT-294A	149
GDT-295A	150
GET-100A	136
GET-102A	136
GET-102HV	137
GET-1200	143
GET-1200AS	144
GET-202A	135
GET-206	137
GET-206P	138
GET-207	138
GET-213A	137
GET-213HV	137
GET-4000	158
GET-4010	158
GET-4040	158
GET-4100K	157
GET-4100R	156
GET-4100T	156
GET-4110K	155
GET-4200K	157

INDEX BY PART NUMBER

PART #	PAGE
GET-4200T	157
GET-4220K	156
GET-6000	159
GFI-501A	143
GFT-200	140
GGC-1014	11
GGC-1508	11
GGP-1261	11
GGP-1273	11
GGP-1282	11
GGP-1502	11
GGS-1032HC	11
GGS-1512R	11
GHS-1510	179
GK-10	18
GK-15	18
GK-25	19
GK-3	154
GK-4	154
GKC-100	108
GKK-1538	168
GKK-1538UVB	168
GKK-1550	168
GKK-1550UVB	168
GKK-1575	168
GKK-1575UVB	168
GL-9A	56
GLP-90	57
GMC-1000	102
GMC-1145	102
GMC-2000	102
GMC-2211	102
GMT-12A	145
GMT-18A	145
GMT-19A	146
GMT-41P	146
GMT-BK	150
GPC-125	109
GPC-200	109
GPD-902	142
GPRB-125	109
GPRB-200	109
GPS-110	104
GPS-120	103
GPS-202	103
GPS-214	105
GPS-218	105
GPS-219	105
GPS-220	103
GPS-221	104
GPS-226	103
GPS-228	103
GPS-236	104
GPS-238	104
GPS-247	105
GPS-248	105
GPS-249	105
GPS-302	104
GRC-10	101
GRC-10BNC	101
GRC-10CATV	101
GRC-10INS	101
GRC-750	108
GRT-500A	142
GRT-800	143
GRX-122	96
GRX-142	96
GRX-224	97
GS-30	93
GS-40	93
GS-45	93
GS-55	93
GS-59	98
GS-60	94
GS-61	93
GS-65	96
GS-66	95
GS-67	95
GS-70	95
GS-83	109
GS-84	106
GS-85	106
GS-86	106
GS-87	106
GS-89	100
GS-90	100
GS-91	100
GS-93	109
GSD-55	93
GSE-105	172
GSE-15310	170
GSE-15410	170
GSE-170	172
GSE-205	172
GSE-250	172
GSE-304	172
GSE-310	170
GSE-330	172
GSE-402	172
GSE-410	170
GSE-420	172
GSE-505	172
GSE-510	170
GSE-560	172
GSE-610	170
GSE-630	172
GSE-710	170
GSE-715	172
GSE-9310	170
GSP-04	180
GSS-500	144
GSS-510A	144
GSSH-95	109
GST-201	136
GSW-10	21
GSW-11	21
GSW-110	21
GSW-114	21
GSW-116	21
GSW-117	21
GSW-119	21
GSW-12	21
GSW-120	21
GSW-121	21
GSW-122	22
GSW-123	21
GSW-124	22
GSW-125	22
GSW-125BP	22
GSW-13	21
GSW-14	21
GSW-15	21
GSW-16	21
GSW-17	22
GSW-18	22
GSW-19	21
GSW-20	23
GSW-21	23
GSW-22	24
GSW-23	24
GSW-24	24
GSW-24BP	24
GSW-25	24
GSW-26	29
GSW-31	25
GSW-31BP	25
GSW-32	25
GSW-32BP	25
GSW-33	25
GSW-34	25
GSW-35	25
GSW-39	25
GSW-41	27
GSW-42	27
GSW-45	27
GSW-48	28
GSW-49	27
GSW-51	28
GSW-61	26
GSW-62	26
GSW-63B	26
GSW-63W	26
GSW-64	26
GSW-68	26
GSW-69	26
GSW-69BP	26
GSW-71	29
GSW-73B	29
GSW-SK	29
GTB-667	12
GTE-667	12
GTF-300	12
GTF-600	12
GTG-667	12
GTP-307	12
GTP-607	12
GTPC-512	12
GTPS-100	98
GTPS-200	98
GTPX-607	12
GTR-667	12
GTT-100	155
GTT-200	155
GTW-667	12
GVC-1000	139
GVC-300	139
GVD-504A	141
GVD-504LV	141
GVD-505A	141
GVT-92	138
H8210	49
H864	49, 112, 123
HAS-45PB	127
HC913	34, 35, 37, 38, 39, 40, 41, 42, 43, 44, 49
HC927	34, 49
HC963	49
HCB-1218	129
HCB-1224	129
HCB-1232	129
HCS-100	129
HF100	49
HF101	49
HH113	91
HS-12B	128
HS-14B	126, 127, 128
HS-18B	126, 127, 128
HS-22B	126, 127, 128
HS-24B	128
HS-28B	126, 127, 128
HS-32B	126, 127, 128
HS-40B	126, 127, 128
HS-48	126, 127
HS-48B	128
HS-58	126, 127
HS-58B	128
HS-66	126, 127
HS-66B	128
HS-72	126, 127
HS-72B	128
HS-8512	76, 78, 82
HS-8518	82
HS-8524	82
HSA-24B	126, 129
HSA-34	129
HSA-35P	129
HSA-44B	126, 127, 129
HSA-45PB	126, 127, 129
HSB-28	14
HSD-2	128
HSD-4B	128
HSK-254	127
HSK-520	127
HSK-540	126
HSN-44	128
HST-093	13
HST-125	13
HST-125S	13
HST-1300	14
HST-187	13
HST-250	13
HST-375	13
HST-500	13
HST-750	13
HST-999	13
HST-AST	13
HST-WP	14
HTP-1010	12
HWT-0722	13
HWT-1138	13
HWT-1550	13
JLP10	75
JLP5	75
JO220	65, 68
JO25	66, 68
JO250	65, 68
JO250LC	65
JO25A	66
JO25C	67, 68
JO25CA	67
JV07	63
JV08	63
JV09	63
JV12	63
JV210	63
K88003	116
K88007	115, 116, 124
K88008	117
K88020	114, 115, 123
KC3540	112, 121
KD1000B	112, 114, 115, 116, 117, 118
KD1250B	112, 114, 115, 116, 117, 118
KD1500B	112, 114, 115, 116, 117, 118
KD1732B	118
KD2000B	112, 114, 115, 116, 117, 118
KD2500	112, 118
KD2500B	117
KD3000	112, 118
KD3000B	117
KD3500	112, 118
KD3500B	117
KD4000	112, 118
KD4000B	117
KD500B	112
KD750B	112, 114, 115, 116, 117, 118
KDS1000	120, 123, 124
KDS1250	120, 123, 124
KDS1500	120, 123
KDS1732	120
KDS2000	120, 123
KDS500	120, 123, 124
KDS750	120, 123, 124
KF-200	111
KKT316	118
KLP6	114
KOA530	117
KOF520	112

PART #	PAGE
KOF540	112
KOH14A	112
KOH2540	117
KOH520A	112
KOH540A	112
KOM152	116
KOM1732	118
KOM200	118
KOM250	118
KOM300	118
KOM350	118
KOM400	118
KOM50125	116
KOR14	115
KOR152	115
KOR50	115, 121
KOR520	115
KOR75125	115, 121
KOS-1000B	118
KOS-10DD	125
KOS-1210OT	124
KOS-1250B	118
KOS-1250DS	118
KOS-1326	125
KOS-14DIN	125
KOS-1500B	118
KOS-1500DS	118
KOS-22535	125
KOS-500B	118
KOS520	114
KOS5290	114
KOS-750B	118
KOS-8750OT	124
KOS-DB15	124
KOS-DB25	124
KOS-DB9	124
KOS-DIN18	125
KOW520	115
KP1000B	112, 114, 115, 116, 117, 118
KP1250B	112, 114, 115, 116, 117, 118
KP1500B	112, 114, 115, 116, 117, 118
KP1732B	118
KP2000B	112, 114, 115, 116, 117, 118
KP2500	112, 118
KP2500B	117
KP3000	112, 118
KP3000B	117
KP3500	112, 118
KP3500B	117
KP4000	112, 118
KP4000B	117
KP500B	112, 114, 115, 116, 117, 118
KP750B	112, 114, 115, 116, 117, 118
KPA50	121
KPR7520	114, 121, 123
	112, 121, 123
KPS1000	120, 123, 124
KPS1250	120
KPS1500	120, 123
KPS1732	120
KPS2000	120, 123
KPS50	112, 114, 117, 121, 123
KPS500	120
KPS750	120, 123, 124
KS752B	115
KSA50	114, 123
KSB50B	115
KSN2530	117, 118, 122
KSN3540	118, 122
KSS50125	124
KSS520	123
KSS520A	123
KW52	115
LP1701	71
LP1701B	66
LP1702	71
LP1702B	66, 71
LP1703	67, 71
LP1707	71
LP1722	71, 62
LP2150	70
LP2150B	63
LP2206T	63, 66, 70
LP2207T	63, 66, 70
LP2208T	66, 70
LP3200	70
LP3200B	63
LP3300	70
LP3300B	66
LP3450	70
LP3450B	63
LP4200	70
LP4200B	63
LP4300	70
LP4300B	66, 67
LP4450	70
LP4450B	63
M2000	69
M3000	69
M4000	69
M5000	61, 69
M6000	61, 69
MB-10	166
MB-10UVB	166
MB-20	166
MB-20UVB	166
MB-30	166
MB-30UVB	166
MCB-1	102
ML-0614B	11
ML-1014B	11
MS-150	169
MS-150J	169
MS-150XL	169
MS-1550	169
MS-1550XL	169
MS-1555	169
MS-1575	169
MS-1577	169
MS-175J	169
MS-450J	169
MS-500J	169
MS-550	169
MS-950	169
MS-950B	169
MS-950BU	169
MSB-1540	170
MSB-40	170
MSC-1316	176
MSC-14	176
MSC-1525	176
MSC-316	176
MSI-150	170
MSI-1525	170
MSI-200J	170
MSI-50B	170
MSI-550	170
MSI-750B	170
MSI-950B	170
MSL-950B	169
MST-1316	176
MST-14	176
MST-1525	176
MST-316	176
MSW-1540	170
MSW-40	170
NP-1	119
NPR-1	119
NYD-100	75
NYD-50	75
OX-100	20
OX-100B	20
OX-400	20
OX-800	20
PAB-1518	176
PAB-1525	176
PAB-1550	176
PAC-1	176
PAC-1518	176
PAC-1525	176
PAC-1550	176
PAC-3	176
PAC-7	176
PAW-1518	176
PAW-1525	176
PAW-1550	176
PB120J	113
PB12J	113
PCC-1525	173
PCC-300	173
PCS-100	174
PCS-1525	174
PCS-1600	174
PCS-200J	174
PCS-300B	174
PDB-100	101
PDB-66	101
PDC-1525B	174
PDC-200B	174
PDS-1525B	174
PDS-200B	174
PDT-110	101
PDT-110LC	102
PDT-66	101
PE20D	45 - 46
PE22J	45 - 46
PE24J	45 - 46
PE32J	45 - 46
PE34J	45 - 46
PE34R	45 - 46
PF65	47 - 48, 112
PH20	47 - 48, 112, 123
PH39	47 - 48
PH80	47 - 48
PH84	47 - 48
PL102	71
PL102B	71
PL231	62, 71
PL232	71
PL232B	71
PL235	71
PL235B	71
PLB-1525	173
PLB-300	173
PLT-1525	173
PLT-300	173
PLW-1525	173
PLW-300	173
PMB-100	173
PMB-1525	173
PMC-1525B	173
PMC-1525W	173
PMC-250B	173
PMC-250W	173
PMW-100	173
PMW-1525	173
PPC-1	175
PPC-1512	175
PPC-1518	175
PPC-1525	175
PPC-1525UVB	175
PPC-1538	175
PPC-1538UVB	175
PPC-1550	175
PPC-1550UVB	175
PPC-1575	175
PPC-1575UVB	175
PPC-1600	175
PPC-1600UVB	175
PPC-2	175
PPC-22	175
PPC-26	175
PPC-28	175
PPC-3	175
PPC-30	175
PPC-31	175
PPC-32	175
PPC-34	175
PPC-5	175
PPC-7	175
PS-150	171
PS-150Z	171
PS-1550	171
PS-1550H	171
PS-1575	171
PS-1575H	171
PS-175	171
PS-175Z	171
PS-175ZJ	171
PS-250	171
PS-2575	171
PS-275	171
PS-50	171
PS-50G	171
PS-550	171
PS-550B	171
PS-575	171
PS-575B	171
PS-75	171
PS-750B	171
PSB-100	173
PSB-160	173
PSB-1600	173
PSB-165	173
PSB-1650	173
PSG-100	173
PSG-15	173
PSI-1575	171
PSM-1550	171
PSM-175	171
PSM-225	171
PSO-1525	171
PSR-25	174
PSR-250	174
PSS-250	171
PSS-350	171
PSS-450	171
PSW-100	173
PSW-160	173
PSW-1600	173
PSW-165	173
PSW-1650	173
PSW-200J	173
PTL-2214	10
PTM-25	174
PTM-250	174
PTP-25	174
PTP-250J	174
PWS-1525	175
PWS-50B	175
RBF-750	108
RBM-750	108
RCD-2208NON	101
RCD-2210INS	101
RCD-BNC	101
RCD-CATV	101
RCD-RJ11	101
RCD-RJ11AMP	101

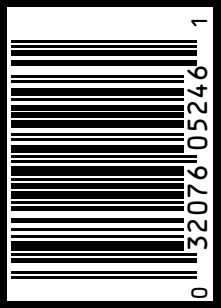
INDEX BY PART NUMBER

PART #	PAGE
RCD-RJ45	101
RCD-RJ45AMP	101
RCSB-1	107
RGP-25100	87
RGP-2525	87
RGP-2560	87
RGP-38120	87
RGP-3825	87
RGP-3860	87
RGP-50120	87
RGP-5025	87
RGP-5060	87
RGP-7530	87
RGP-7560	87
RK-6	111
RK-6BK	111
RS-1252	32
RS-126	130
RS-318	130
RS-606	130
RS-610	130
RS-614	130
RS-618	130
RS-624	130
RS-656	130
RS-814	130
RST-5030	85
RST-5060	85
RST-5660	85
RST-75120	85
RST-7530	78, 85
RST-7560	78, 85
RTL-094	154, 160
RTL-103	154, 160
RTL-106	160
RTL-107	154, 160
RTL-108	154, 160
RTL-200	154, 160
RTP-3830	85
RTP-3860	85
RTP-5030	85
RTP-7530	85
RTS-100	74
RTS-200	74
RTS-50B	74
RTSS-100	74
RTSS-200	74
RTX-100	74
RTX-200	74
RV5	66, 69
RW500	178
RW501	178
RW502	178
RW503	178
RW504	178
RW505	178
RW506	178
RW507	178
RW508	178
RW509	178
RW510	178
RW511	178
RW512	178
RW513	178
RW514	178
RW515	178
RW516	178
RW517	178
RW520	178
RW521	178
RW522	178
RW523	178
RW525	178
RW526	178
RW527	178
RW528	178
RW529	178
RW535	178
RW536	178
RW537	178
RW538	178
RW544	178
RW545	178
RW546	178
RW547	178
RXA-50	177
RXM-38	177
S-8512	76, 77
SA-08	131
SA-10	131
SA-10S	131
SA-11	131
SA-11S	131
SA-12	131
SA-12S	131
SA-13	131
SA-13S	131
SA-14	131
SA-14S	131
SA-15	131
SA-16	131
SA-16S	131
SA-18	131
SA-18S	131
SA-20	131
SA-20S	131
SB-201	130
SB-203	130
SB-205	130
SB-207	130
SB-209	130
SB-210	130
SCE-251	110
SCE-252	110
SCE-256	110
SCE-257	110
SCE-260	110
SCE-262	110
SE-100	99
SE-92	94
SE-94	94
SE-96	94
SE-98	99
SED-102	94
SERB-25	99
SERB-50	99
SERB-RGB	99
SP3500	119
SP-6	126
SPD-438	119
SPD-563	119
SPD-688	119
SPD-813	119
SPI1000	177
SPK10	119
ST40	71
TK-100	9
TK-175	17
TK-32	9
TK-40	18
TK-47	180
TK-4HC	153
TK-500	10
TK-5HC	153
TK-60	180
TM5	82
TRJ-56	88
TRJ-96	88
TT31	71
US6	134
WCM-10	91
WRR-100	87
WRR1002513	87, 91
WRR100259	87, 91
WRR-300	87
WSP-100E	88
WSP-115	88
WSP-116	88
WSP-140	89
WSP-144	89
WSP144010	91
WSP144050	89, 91
WSP144251	91
WSP144253	89, 91
WSP144254	89, 91
WSP-145	89
WSP-150	90
WSP1502517	90, 91
WSP1502521	90, 91
WSP-155	90
WSP-50	90

PO Box 3241
Milwaukee, WI 53201-3241
T: 414.352.4160
F: 414.352.2377

6615 Ordan Drive, Units 14-15
Mississauga, Ontario
l5T 1X2 Canada
T: 905.564.5749
F: 905.564.0305

www.gardnerbender.com

GB® Gardner Bender

AD-250-01 • ©2001 Gardner Bender