Gardner Bender®

GB® Gardner Bender



FULL LINE PRODUCT CATALOG

FULL LINE
PRODUCT CATALOG

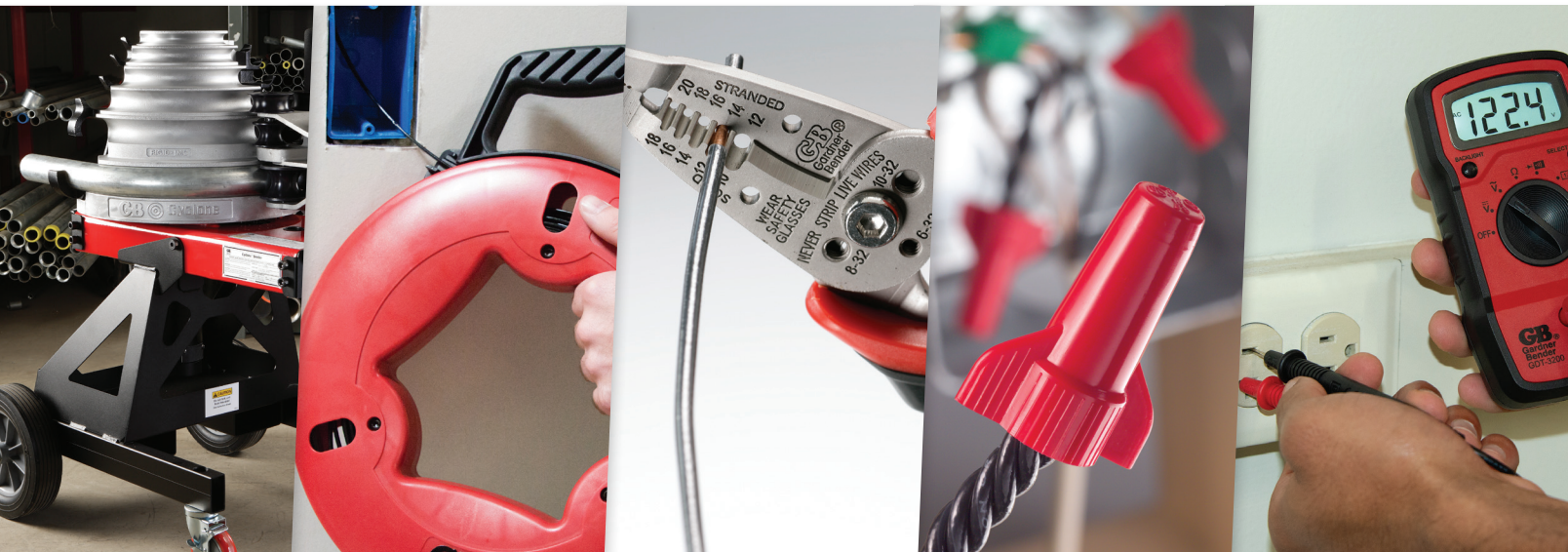
ABOUT GARDNER BENDER

For 60 years Gardner Bender has been manufacturing and supplying a broad range of electrical and wire management products for both professionals and do-it-yourselfers.

Starting with just a single product in 1959, our Gardner Bender business has grown with the additional brands of Sperry® Instruments, Calterm®, Bergen Industries® and King Innovation® to include over 3000 products and 11 distinct product lines that install, connect, fasten, test, and trouble-shoot electrical wire and circuits. From large wire pulling equipment and powered conduit benders to wire connectors, heat shrink, cable ties, hand tools and test instruments, Gardner Bender provides a complete solution for electrical installation and maintenance projects large and small.

Gardner Bender products are stocked on over 1.0 million square feet of shelf space at more than 15,000 locations throughout the Americas, including leading electrical, industrial and catalog distributors, as well as leading home centers, hardware stores and e-commerce sites.

Known for award-winning innovation, operational excellence, category analytics, and leading merchandising support, Gardner Bender has been recognized multiple times by leading customers as “Supplier of the Year and Product of the Year”. Looking towards the future, Gardner Bender continues to build on these recent successes, evolving and innovating to exceed the ever-changing technological requirements of our customers.



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CONNECTORS

Gardner Bender® wire connectors are engineered to exceed the expectations of professional electricians. Perfect for commercial or residential applications, GB® wire connectors offer world-class quality, performance and application versatility.

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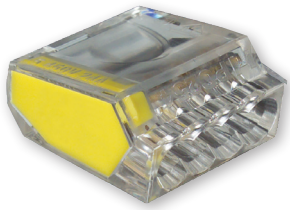
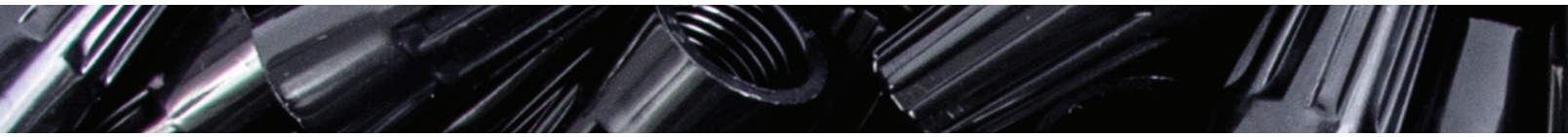






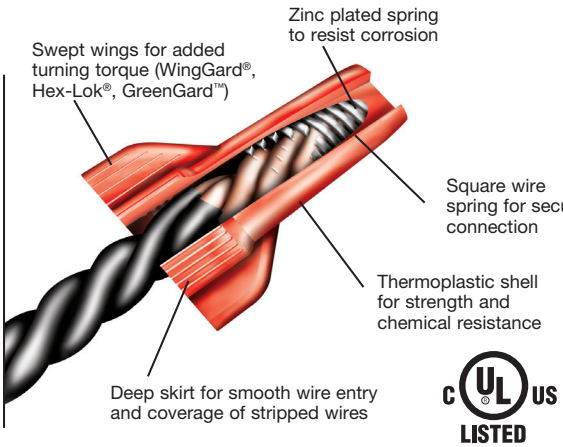




WIRE RANGE CHART

Model: Wire Combination

WireGard™	2#22	3#22	2#20	3#20	2#18	2#16	3#16	2#14	3#14	2#12	4#14	3#12	4#12	3#10	5#12	4#10	2#6
GB-1 Gray	Min 1#20 + 1#22					Max 2#16											
GB-2 Blue		Min 3#22					Max 3#16										
GB-3 Orange				Min 3#20				Max 2#14 + 3#20									
GB-4 Yellow			Min #1#20 + 2#22									Max 3#12					
GB-6 Red								Min 2#14						Max 3#10			
Hi-Temp																	
GB-3 Black				Min 3#20				Max 2#14 + 3#20									
GB-4 Black						Min 1#14 + 1#18					Max 4#14 + 1#18						
WingGard®																	
84 Yellow	Min 2#22											Max 3#12					
GB86 Red			Min 2#20													Max 4#10	
89 Blue												Min 3#12					Max 1#6 + 2#8
GreenGard™																	
95 Green								Min 2 #14					Max 4#12				
Hex-Lox®																	
H1 Tan	Min 2#22													Max 3#10			
H2 Gray									Min 1#16 + 4#18								Max 1#6 + 1#8
Uni-Lok®																	
G1 Yellow				Min 1#20 + 2#22								Max 3#12					
G2 Red					Min 1#18 + 2#22										Max 5#12 + 1#20		



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All GB® Twist-On Wire Connectors:

- Are designed to make wiring jobs fast, easy, safe and reliable.
- Provide maximum application flexibility by offering contractors myriad packaging options, ergonomic designs and wire ranges.
- Exceed UL standards for dielectric strength, wire pullout force and static heat resistance.
- Are manufactured of top-quality materials.
- Meet the requirements of nearly all budgets.
- Are continually evaluated for improvements and enhancements.

TWIST-ON CONNECTORS



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WIREGARD™ COLOR-CODED SCREW-ON CONNECTORS

The industry standard twist-on connector with top quality, performance and durability.

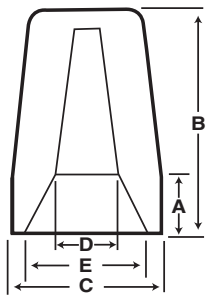
- Industry standard color-coded for easy size selection.
- Tight, square-wire spring makes quick, secure connections for positive continuity.
- Tough, thermoplastic shell made of polypropylene shields against environmental extremes.
- Resists chemical action from hydrocarbons, diluted acid or alkaline 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.

Part #	Color	Pack Qty.	Wire Range	Min	Max
19-001	Gray	14/Clam	#22 - #16 AWG	1 #20 + 1 #22	2 #16
25-001	Gray	25/Bag	#22 - #16 AWG	1 #20 + 1 #22	2 #16
10-001	Gray	100/Box	#22 - #16 AWG	1 #20 + 1 #22	2 #16
16-001	Gray	150/Jar	#22 - #16 AWG	1 #20 + 1 #22	2 #16
14-001	Gray	1000/Bag	#22 - #16 AWG	1 #20 + 1 #22	2 #16
12-001	Gray	25000/Box	#22 - #16 AWG	1 #20 + 1 #22	2 #16
19-002	Blue	14/Clam	#22 - #14 AWG	3 #22	3 # 16
25-002	Blue	25/Bag	#22 - #14 AWG	3 #22	3 # 16
10-002	Blue	100/Box	#22 - #14 AWG	3 #22	3 # 16
16-002	Blue	150/Jar	#22 - #14 AWG	3 #22	3 # 16
14-002	Blue	1000/Bag	#22 - #14 AWG	3 #22	3 # 16
12-002	Blue	10000/Box	#22 - #14 AWG	3 #22	3 # 16
12-002BU	Blue	96000/Barrel	#22 - #14 AWG	3 #22	3 # 16
19-003	Orange	12/Clam	#22 - #14 AWG	3 #20	2 #14 + 3 #20
25-003	Orange	25/Bag	#22 - #14 AWG	3 #20	2 #14 + 3 #20
17-003	Orange	50/Bag	#22 - #14 AWG	3 #20	2 #14 + 3 #20
16-003	Orange	100/Jar	#22 - #14 AWG	3 #20	2 #14 + 3 #20
10-003	Orange	100/Box	#22 - #14 AWG	3 #20	2 #14 + 3 #20
16-003M	Orange	300/Jar	#22 - #14 AWG	3 #20	2 #14 + 3 #20
13-003D*	Orange	500/Bag	#22 - #14 AWG	3 #20	2 #14 + 3 #20
13-003	Orange	500/Bag	#22 - #14 AWG	3 #20	2 #14 + 3 #20
12-003BU	Orange	53000/Barrel	#22 - #14 AWG	3 #20	2 #14 + 3 #20
12-003BX	Orange	58000/Box	#22 - #14 AWG	3 #20	2 #14 + 3 #20
19-004	Yellow	9/Clam	#22 - #10 AWG	1 #20 + 2 #22	3 #12
25-004	Yellow	25/Bag	#22 - #10 AWG	1 #20 + 2 #22	3 #12
17-004	Yellow	50/Bag	#22 - #10 AWG	1 #20 + 2 #22	3 #12
10-004	Yellow	100/Box	#22 - #10 AWG	1 #20 + 2 #22	3 #12
16-004	Yellow	200/Jar	#22 - #10 AWG	1 #20 + 2 #22	3 #12
13-004	Yellow	500/Bag	#22 - #10 AWG	1 #20 + 2 #22	3 #12
12-004BU	Yellow	32400/Barrel	#22 - #10 AWG	1 #20 + 2 #22	3 #12
19-006	Red	6/Clam	#16 - #10 AWG	2 #14	3 #10
25-006	Red	25/Bag	#16 - #10 AWG	2 #14	3 #10
17-006	Red	50/Bag	#16 - #10 AWG	2 #14	3 #10
10-006	Red	100/Box	#16 - #10 AWG	2 #14	3 #10
16-006	Red	125/Jar	#16 - #10 AWG	2 #14	3 #10
13-006	Red	250/Bag	#16 - #10 AWG	2 #14	3 #10
12-006BU	Red	21000/Barrel	#16 - #10 AWG	2 #14	3 #10
12-006BX	Red	25000/Box	#16 - #10 AWG	2 #14	3 #10

* Includes Driver Nut

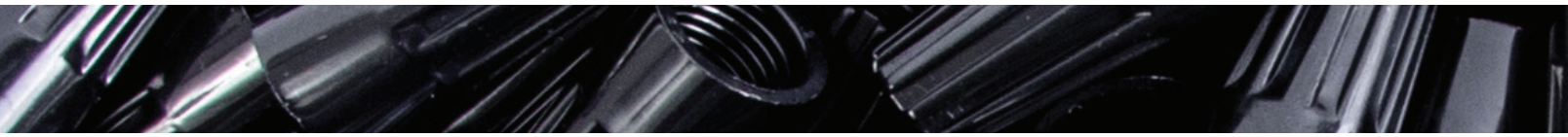
Dimensions

	A	B	C	D	E
GB-1 (Gray)	37/64"	1 1/64"	1/8"	1/4"	21/64"
GB-2 (Blue)	45/64"	1 1/64"	3/16"	5/16"	25/64"
GB-3 (Orange)	27/32"	21/64"	13/64"	1 1/32"	7/16"
GB-4 (Yellow)	15/16"	17/64"	15/64"	7/16"	35/64"
GB-6 (Red)	1 1/16"	17/64"	21/64"	17/32"	21/32"



Assortments

Part #	Description	Pack Qty.	Wire Range
19-AWC	Assorted WireGard, 2 Gray, 2 Orange, 3 Yellow, 2 Red	9/Clam	22-8 AWG
25-AWC	Assorted WireGard, 3 Gray, 4 Blue, 6 Orange, 6 Yellow, 6 Red	25/Bag	22-8 AWG
CK-570	Wire Connector Kit with Assorted Connectors	570/Case	22-6 AWG
TK-32	Slide card kit with 32 Assorted Wire Connectors	32/Card	22-10 AWG





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WINGGARD® COLOR-CODED TWIST-ON CONNECTORS

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

- Wings are knurled for a sure 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.

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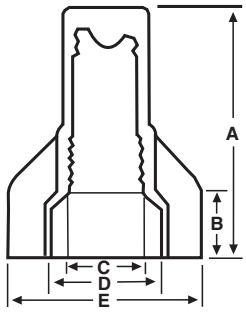
Part #	Color	Pack Qty.	Wire Range	Min	Max
19-084	Yellow	6/Clam	#22 - # 10 AWG	2#22	3 #12
25-084	Yellow	25/Bag	#22 - # 10 AWG	2#22	3 #12
17-084	Yellow	50/Bag	#22 - # 10 AWG	2#22	3 #12
16-084	Yellow	100/Jar	#22 - # 10 AWG	2#22	3 #12
10-084	Yellow	100/Box	#22 - # 10 AWG	2#22	3 #12
16-084M	Yellow	225/Jar	#22 - # 10 AWG	2#22	3 #12
13-084D*	Yellow	500/Bag	#22 - # 10 AWG	2#22	3 #12
13-084	Yellow	500/Bag	#22 - # 10 AWG	2#22	3 #12
12-084BU	Yellow	42000/Barrel	#22 - # 10 AWG	2#22	3 #12
19-086	Red	6/Clam	#22 - #6 AWG	2 #20	4 #10
25-086	Red	25/Bag	#22 - #6 AWG	2 #20	4 #10
17-086	Red	50/Bag	#22 - #6 AWG	2 #20	4 #10
10-086	Red	100/Box	#22 - #6 AWG	2 #20	4 #10
16-086	Red	125/Jar	#22 - #6 AWG	2 #20	4 #10
16-086L	Red	325/Jar	#22 - #6 AWG	2 #20	4 #10
13-086D*	Red	500/Bag	#22 - #6 AWG	2 #20	4 #10
13-086	Red	500/Bag	#22 - #6 AWG	2 #20	4 #10
12-086BU	Red	22500/Barrel	#22 - #6 AWG	2 #20	4 #10
12-086BX	Red	26000/Box	#22 - #6 AWG	2 #20	4 #10
19-089	Blue	2/Clam	#14 - #6 AWG	3 #12	1 #6 + 2 #8
25-089	Blue	10/Bag	#14 - #6 AWG	3 #12	1 #6 + 2 #8
10-089	Blue	50/Box	#14 - #6 AWG	3 #12	1 #6 + 2 #8
13-089D*	Blue	100/Bag	#14 - #6 AWG	3 #12	1 #6 + 2 #8
13-089	Blue	100/Bag	#14 - #6 AWG	3 #12	1 #6 + 2 #8
12-089BX	Blue	12000/Box	#14 - #6 AWG	3 #12	1 #6 + 2 #8

* Includes Driver Nut

Dimensions

	A	B	C	D	E
84 (Yellow)	1 1/32"	5/16"	7/32"	1/4"	23/32"
86 (Red)	1 1/4"	5/16"	9/32"	7/16"	29/32"
89 (Blue)	1 1/2"	7/16"	3/8"	3/4"	1 1/4"



Assortments

Part #	Description	Pack Qty.	Wire Range
19-AWW	Assorted WingGard, 2 Yellow, 2 Red, 1 Gray	5/Clam	22-6 AWG
25-AWW	Assorted & WingGard, 8 Yellow, 8 Red, 7 Tan, 2 Blue	25/Bag	22-6 AWG
16-8486M	80/80 Jar, Red & Yellow Connectors	160/Jar	22-6 AWG



HEX-LOK® MULTI-RANGE WIRE CONNECTORS

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

- Streamlined design with long skirt for compact installations.
- Square-wire spring grabs and holds wires for secure connections.
- Rated at 600 V Max. in building wire and at 1000 V Max. in lighting fixtures/luminaries and signs.



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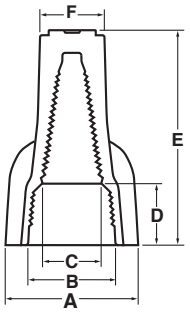

Part #	Color	Pack Qty.	Wire Range	Min	Max
19-1H1	Tan	6/Clam	#22- #8 AWG	2 #22	3 #10
25-1H1	Tan	25/Bag	#22- #8 AWG	2 #22	3 #10
17-1H1	Tan	50/Bag	#22- #8 AWG	2 #22	3 #10
10-1H1	Tan	100/Box	#22- #8 AWG	2 #22	3 #10
16-1H1	Tan	175/Jar	#22- #8 AWG	2 #22	3 #10
16-1H1L	Tan	400/Jar	#22- #8 AWG	2 #22	3 #10
13-1H1D*	Tan	500/Bag	#22- #8 AWG	2 #22	3 #10
13-1H1	Tan	500/Bag	#22- #8 AWG	2 #22	3 #10
12-1H1BU	Tan	28000/Barrel	#22- #8 AWG	2 #22	3 #10
12-1H1BX	Tan	33000/Box	#22- #8 AWG	2 #22	3 #10
19-2H2	Gray	3/Clam	#18 - #6 AWG	1 #16 + 4 #18	1 #6 + 1 #8
25-2H2	Gray	15/Bag	#18 - #6 AWG	1 #16 + 4 #18	1 #6 + 1 #8
10-2H2	Gray	50/Box	#18 - #6 AWG	1 #16 + 4 #18	1 #6 + 1 #8
13-2H2	Gray	250/Bag	#18 - #6 AWG	1 #16 + 4 #18	1 #6 + 1 #8
12-2H2BU	Gray	16000/Barrel	#18 - #6 AWG	1 #16 + 4 #18	1 #6 + 1 #8
12-2H2BX	Gray	17000/Box	#18 - #6 AWG	1 #16 + 4 #18	1 #6 + 1 #8

* Includes Driver Nut

Dimensions

	A	B	C	D	E	F
H1 (Tan)	47/64"	9/16"	5/16"	21/61"	1 5/32"	5/16"
H2 (Gray)	1"	15/32"	25/64"	13/32"	1 21/64"	7/16"

UNI-LOK® UNIVERSAL WIRE CONNECTORS

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

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



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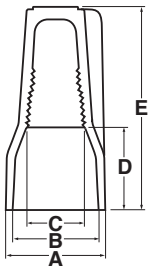
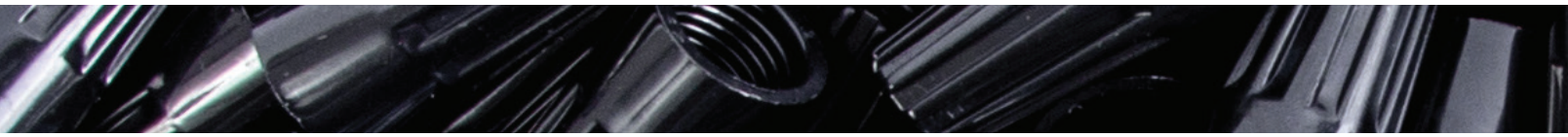


Part #	Color	Pack Qty.	Wire Range	Min	Max
19-1G1	Yellow	6/Clam	#22 - #10 AWG	1 #20 + 2 #22	3 #12
25-1G1	Yellow	25/Bag	#22 - #10 AWG	1 #20 + 2 #22	3 #12
10-1G1	Yellow	100/Box	#22 - #10 AWG	1 #20 + 2 #22	3 #12
13-1G1	Yellow	500/Bag	#22 - #10 AWG	1 #20 + 2 #22	3 #12
12-1G1BU	Yellow	40000/Barrel	#22 - #10 AWG	1 #20 + 2 #22	3 #12
19-2G2	Red	6/Clam	#22 - #8 AWG	1 #18 + 2 #22	5 #12 + 1 #20
25-2G2	Red	25/Bag	#22 - #8 AWG	1 #18 + 2 #22	5 #12 + 1 #20
10-2G2	Red	100/Box	#22 - #8 AWG	1 #18 + 2 #22	5 #12 + 1 #20
13-2G2	Red	500/Bag	#22 - #8 AWG	1 #18 + 2 #22	5 #12 + 1 #20

Dimensions

	A	B	C	D	E
G1 (Yellow)	31/64"	27/64"	9/32"	13/32"	63/64"
G2 (Red)	37/64"	33/64"	23/64"	27/64"	1 11/64"





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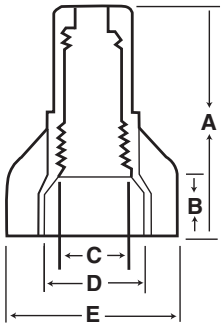
GROUNDING CONNECTORS

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.

- Easier to use — New design enables torque-up with improved grip, contoured, offset wings and firm ground connections.
- Connectors have a hole in the tip for ground wire.



Part #	Color	Pack Qty.	Wire Range	Min	Max
19-095	Green	6/Clam	#14 - #10 AWG	2 #14	4 #12
25-095	Green	25/Bag	#14 - #10 AWG	2 #14	4 #12
10-095	Green	100/Box	#14 - #10 AWG	2 #14	4 #12
16-095	Green	125/Jar	#14 - #10 AWG	2 #14	4 #12
13-095D*	Green	500/Bag	#14 - #10 AWG	2 #14	4 #12
13-095	Green	500/Bag	#14 - #10 AWG	2 #14	4 #12

* Includes Driver Nut

Dimensions

	A	B	C	D	E
95 (Green)	1 1/4"	5/16"	9/32"	7/16"	29/32"



GB-4 Black GB-3 Black

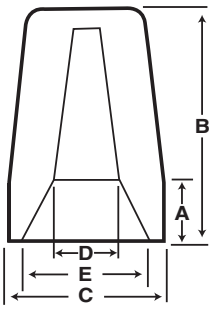
Cu to Cu Only

c UL us LISTED

HI-TEMP CONNECTORS

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

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



Part #	Color	Pack Qty.	Wire Range	Min	Max
19-003HT	Black	10/Clam	#20 - #14 AWG	3 #20	2 #14 + 3 #20
10-003HT	Black	100/Box	#20 - #14 AWG	3 #20	2 #14 + 3 #20
27-003	Black	10000/Box	#20 - #14 AWG	3 #20	2 #14 + 3 #20
19-004HT	Black	10/Clam	#18 - #10 AWG	1 #14 + 1 #18	4 #14 + 1 #18
10-004HT	Black	100/Box	#18 - #10 AWG	1 #14 + 1 #18	4 #14 + 1 #18
27-004	Black	10000/Box	#18 - #10 AWG	1 #14 + 1 #18	4 #14 + 1 #18

Dimensions

	A	B	C	D	E
GB-3 Black	11/32"	27/32"	7/16"	3/16"	11/32"
GB-4 Black	9/32"	15/16"	17/32"	7/32"	7/16"

SPECIALTY CONNECTORS



20-089 & 20-090

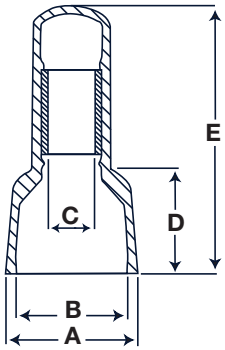
Cu to Cu Only

c UL us LISTED

CLOSED END CONNECTORS

Crimp connector designed for use with solid or stranded wire.

- Vibration, Corrosion, and Chemical resistant.
- Tin-plated seamless copper.



Part #	Color	Pack Qty.	Wire Range	Min	Max
20-089	White	10/Clam	#22 - #14 AWG	2 #22	1 #14 + 1 #18
20-090	White	10/Clam	#22 - #10 AWG	3 #18	1 #10 + 1 #20
15-090	White	15/Clam	#22 - #10 AWG	3 #18	1 #10 + 1 #20

Dimensions

	A	B	C	D	E
20-089	11/32"	1/4"	5/32"	15/64"	9/16"
20-090	31/64"	13/32"	11/64"	25/64"	63/64"



Cu to Cu Only

c UL us LISTED

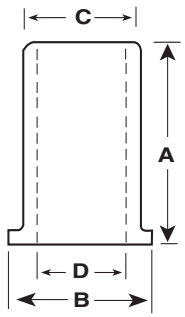
CRIMP CONNECTORS

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

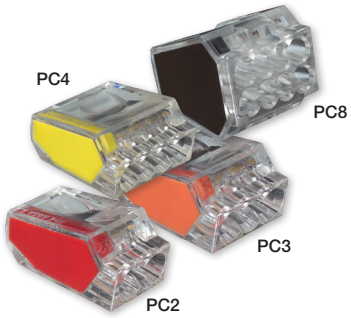
- Two styles and sizes available.
- Copper or zinc-plated steel.

Dimensions

	A	B	C	D
310/311 (Copper)	3/8"	19/64"	1/4"	13/64"
410/411 (Steel)	5/8"	23/64"	21/64"	17/64"



Part #	Type	Pack Qty.	Wire Range	Min	Max
10-310C	Copper	100/Clam	#18 - #10 AWG	2 #16	2 #10 + 1 #12
27-310	Copper	10000/Box	#18 - #10 AWG	2 #16	2 #10 + 1 #12
10-311C	Copper	50/Clam	#14 - #8 AWG	3 #12	4 #10
20-410	Zinc-Plated Steel	12/Clam	#18 - #10 AWG	2 #16	2 #10 + 1 #12
10-410	Zinc-Plated Steel	100/Box	#18 - #10 AWG	2 #16	2 #10 + 1 #12
10-410C	Zinc-Plated Steel	100/Clam	#18 - #10 AWG	2 #16	2 #10 + 1 #12
13-410	Zinc-Plated Steel	500/Bag	#18 - #10 AWG	2 #16	2 #10 + 1 #12
27-410	Zinc-Plated Steel	10000/Box	#18 - #10 AWG	2 #16	2 #10 + 1 #12
20-411	Zinc-Plated Steel	8/Clam	#14 - #8 AWG	3 #12	4 #10
10-411	Zinc-Plated Steel	50/Box	#14 - #8 AWG	3 #12	4 #10



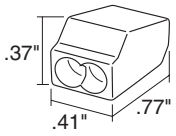
Cu to Cu Only

c UL us LISTED

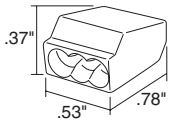
PUSH-IN CONNECTORS

Easy and fast to use, just strip and push conductors into PushGard™ connectors to make reliable, secure connections.

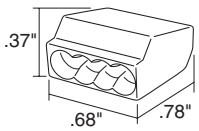
- Clear polycarbonate housings have color-coded side panels for connection verification and identification.
- With corrosion-resistant stainless steel springs, PushGard™ connectors restrict wire pullout, yet corrections are possible with a simple left-right twist and pull.
- Continuity test point for easy voltage checks.
- Rated at 600 V Max. in building wire and at 1000 V Max. in lighting fixtures/luminaries.



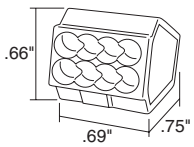
PC2



PC3



PC4



PC8

Part #	Color	Pack Qty.	Wire Range	# of Ports
19-PC2	Red	10/Clam	#22 - #12 AWG Solid	2
10-PC2	Red	100/Jar	#22 - #12 AWG Solid	2
19-PC3	Orange	10/Clam	#22 - #12 AWG Solid	3
10-PC3	Orange	100/Jar	#22 - #12 AWG Solid	3
13-PC3	Orange	500/Bag	#22 - #12 AWG Solid	3
19-PC4	Yellow	10/Calm	#22 - #12 AWG Solid	4
10-PC4	Yellow	100/Jar	#22 - #12 AWG Solid	4
13-PC4	Yellow	500/Bag	#22 - #12 AWG Solid	4
19-PC8	Black	10/Clam	#22 - #12 AWG Solid	8
10-PC8	Black	50/Jar	#22 - #12 AWG Solid	8

GROUNDING ACCESSORIES



c UL us LISTED

GROUNDING ACCESSORIES

Convenient grounding accessories include 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.
- Grounding clamps listed for connection of ground wire.
- Fork terminals for 8-10 stud.

Part #	Pack Qty.	Description	Length	Ends
14-GRC	1/Card	Grounding Clamp for 1/2" - 1" pipe	-	-
GGC-1508	8/Card	Grounding Clip for Aluminum or Copper; Grounding wire; Zinc-plated	-	-
GGP-1261	25/Bag	Grounding Pigtail; #12 AWG Solid	6 1/2"	Captured Screw/Stripped
GGP-1461	25/Bag	Grounding Pigtail; #12 AWG Solid	6 1/2"	Captured Screw/Stripped
GGP-1273	25/Bag	Grounding Pigtail; #12 AWG Str	7"	Stripped/Bare Fork Terminal
GGP-1502	2/Card	Grounding Pigtail; #12 AWG Str	8"	Captured Screw/Bare Fork Terminal
GGP-1282	25/Bag	Grounding Pigtail; #12 AWG Str	8"	Captured Screw/Bare Fork Terminal
GGS-1512R	12/Card	Green Hex-Head Ground Screw 10-32 x 3/8"	-	-
GGS-1032HC	100/Clam	Green Hex-Head Ground Screw 10-32 x 3/8"	-	-

MECHANICAL CONNECTORS



GSBC-4

COPPER SPLIT BOLTS

All-copper alloy construction for high mechanical strength, maximum conductivity and low resistance.

- Accept a wide range of solid and stranded conductors from 16 AWG – 3/0 AWG.
- Can be torqued with standard wrenches.

Part #	Color	Pack Qty.	Wire Range
GSBC-1/0	Copper	1/Bag	#4 - #1/0 AWG
GSBC-2/0	Copper	1/Bag	#2 - #2/0 AWG
GSBC-3/0	Copper	1/Bag	#2 - #3/0 AWG
GSBC-8	Copper	2/Bag	#16 - #10 AWG Stranded, #16 - #8 AWG Solid
GSBC-6	Copper	2/Bag	#10 AWG Stranded, #10 - #8 AWG Solid
GSBC-4	Copper	2/Bag	#8 - #4 AWG
GSBC-2	Copper	2/Bag	#6 - #2 AWG

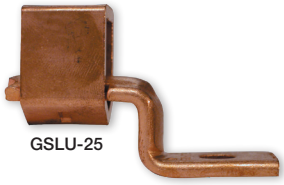

AML-204

TIN PLATED COPPER LUGS

Heavy-duty lugs made from pure copper for maximum current flow.

- Tinned for corrosion resistance.
- Seamless barrel for maximum strength.
- Closed ends seal out moisture.

Part #	Color	Pack Qty.	Wire Range	Stud Size
AML-200	Copper	2/Clam	#6 AWG	1/4"
AML-201	Copper	2/Clam	#6 AWG	5/16"
AML-202	Copper	2/Clam	#6 AWG	3/8"
AML-203	Copper	2/Clam	#4 AWG	5/16"
AML-204	Copper	2/Clam	#4 AWG	3/8"
AML-205	Copper	2/Clam	#2 AWG	5/16"
AML-206	Copper	2/Clam	#2 AWG	3/8"
AML-207	Copper	2/Clam	#1/0 AWG	3/8"
AML-208	Copper	2/Clam	#2/0 AWG	3/8"


GSLU-25

COPPER MECHANICAL LUGS

Provide maximum mechanical strength and minimum resistance.

- All-copper alloy construction features a compact design that is reusable.
- Accept a wide range of solid and stranded conductors from 14 AWG – 0 AWG.

Part #	Color	Pack Qty.	Wire Range	Stud Size
GSLU-25	Copper	2/Clam	#14 - #10 AWG Solid or Stranded	#6
GSLU-35	Copper	2/Clam	#14 - #6 AWG Solid or Stranded	#10
GSLU-70	Copper	2/Clam	#8 - #2 AWG Solid or Stranded	1/4"
GSLU-125	Copper	2/Clam	#8 - #1/0 AWG Solid or Stranded	3/8"



COPPER ALLOY - TIN PLATED SPLIT BOLTS



GAK-2*

Rated for Cu to Cu

Tin plated copper alloy construction for high mechanical strength, maximum conductivity and low resistance. Highly resistant to corrosion and season cracking.

- Accept a wide range of solid and stranded conductors from 10 AWG - 4/0 AWG.
- Use GB® OX-GARD™ anti-oxidant treatment on Al-Al and Al-Cu to prevent corrosion and permit cooler connections.

Part #	Type	Pack Qty.	Wire Range
GAK-2/0*	Copper Alloy - Tin Plated	1/Bag	#10 AWG Stranded, #10 - #2/0 AWG Solid
GAK-2*	Copper Alloy - Tin Plated	1/Bag	#8 - #2 AWG Solid
GAK-1/0*	Copper Alloy - Tin Plated	1/Bag	#8 - #1/0 AWG Solid
GAK-4/0*	Copper Alloy - Tin Plated	1/Bag	#6 - #4/0 AWG Solid

ALUMINUM SPLICER REDUCERS



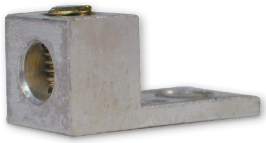
GSPA-2

Designed to splice similar-gauge conductors or reduce the gauge from a larger wire diameter to a smaller one.

- Galvanic corrosion is limited by an internal wire stop, preventing direct contact of dissimilar metals inside.
- Use GB® OX-GARD™ anti-oxidant treatment on Al-Al and Al-Cu to prevent corrosion and permit cooler connections.

Part #	Color	Pack Qty.	Wire Range
GSPA-0	Aluminum	1/Clam	#14 - #1/0 AWG Stranded
GSPA-2	Aluminum	2/Clam	#14 - #2 AWG Stranded
GSPA-4/0	Aluminum	1/Clam	#6 - #4/0 AWG Stranded

ALUMINUM LUGS



GTA-2

- Feature high-strength, low-resistance aluminum construction.
- Accepts conductors from 14 AWG - 2/0 AWG.
- For ⅜" stud.
- Use GB® OX-GARD™ anti-oxidant treatment on Al-Al and Al-Cu to prevent corrosion and permit cooler connections.

Part #	Color	Pack Qty.	Wire Range
GTA-2	Aluminum	2/Clam	#14 - #2 AWG Stranded
GTA-2/0	Aluminum	2/Clam	#14 - #2/0 AWG Stranded

CORROSION INHIBITORS

OX-GARD ANTI OXIDANT COMPOUND



OX-100B

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

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

Part #	Pack Qty.	Description
OX-100B	1/Tube	1 oz. Squeeze Tube
OX-400N	1/Tube	4 oz. Squeeze Tube
OX-800	1/Tube	8 oz. Squeeze Tube

DATACOM CONNECTORS & TOOL BITS

CAT-5E RJ-45 MODULAR PLUGS

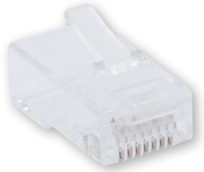


GMC-88M5

- For use with network/twisted pair cable CAT-5e.
- 8-Position connectors.

Part #	Color	Pack Qty.	Type	# of Contacts
GMC-88M5	Clear	8/Bag	CAT-5e Modular Plug	8
GMC-88C5	Clear	50/Bag	CAT-5e Modular Plug	8

CAT-6 RJ-45 MODULAR PLUGS



GMC-88M6

- For use with network/twisted pair cable CAT-6.
- 8-Position connectors.

Part #	Color	Pack Qty.	Type	# of Contacts
GMC-88C6	Clear	8/Bag	CAT-6 Modular Plug	8
GMC-88M6	Clear	50/Bag	CAT-6 Modular Plug	8

F-SERIES COMPRESSION CONNECTOR



GDC-6C

- F-Type Coaxial Connector.
- For use with RG-6/Quad Coaxial Cable.
- Nickel plated to resist corrosion.

Part #	Color	Pack Qty.	Type
GDC-6CM	Silver	4/Bag	RG-6/Quad Compression Connector
GDC-6C	Silver	50/Bag	RG-6/Quad Compression Connector

F-SERIES COAX CONNECTOR



GDC-FAM

- Female Adapter.
- Used to combine two lengths of coaxial cable.
- Used to connect cables through walls.

Part #	Color	Pack Qty.	Type
GDC-FAM	Silver	2/Bag	RG-6 Coax Connector





WB1

WIRE CONNECTORS BITS

The Gardner Bender Wire Connector Bit set is the faster and easier way to tighten wire connectors. Compatible with powered drills/drivers, ¼" nut drivers, and many multi-bit screwdrivers. This economical 3 pack includes bits for standard and winged wire connectors from most manufacturers, in a broad range of sizes.

- Tighten connectors using powered drill/driver, nut driver, or multi-bit screwdriver.
- Fits connectors from most manufacturers.
- Fits standard and winged style connectors, in a broad range of sizes.
- Small tool for small to medium standard; medium tool for small winged, medium to large standard; large tool for large/winged.

Part #	Color	Pack Qty.	Sizes
WB1	Black	3	Small Tool(#3-49), Medium Tool(#4-57), Large Tool(#5-63)



TERMINALS & WIRE

Dependable and easy to use, Gardner Bender® terminals and wiring accessories offer the high quality and application flexibility that professionals demand. Available in a variety of packaging options, look to Gardner Bender® for secure wire connection options.

GB Xtreme® Terminals
- GB Xtreme® Butt Splices 20
- GB Xtreme® Disconnect - Solder 20
- GB Xtreme® Ring Terminals 20
- GB Xtreme® Spade Terminals 20

General Purpose Terminals
- Butt Splices 21
- Bullet Splices - Fully Insulated 22
- Disconnects - Fully Insulated 22
- Disconnects - Vinyl Insulated 21
- Ring Terminals - Vinyl Insulated 23
- Spade Terminals - Vinyl Insulated 23
- Tap Splices 22

Terminal Blocks 24

Underground Splice Kits
- Underground Butt Splice Kit (#8 - #2 AWG) 24
- Underground Splice Kits (#14 - #8 AWG) 24
- Underground UF Splice Kit 24

Charging Clips
- Alligator Clips 25
- Medium Duty Charging Clips 25
- Heavy Duty Charging Clips 25

GB Xtreme® Primary Wire 26

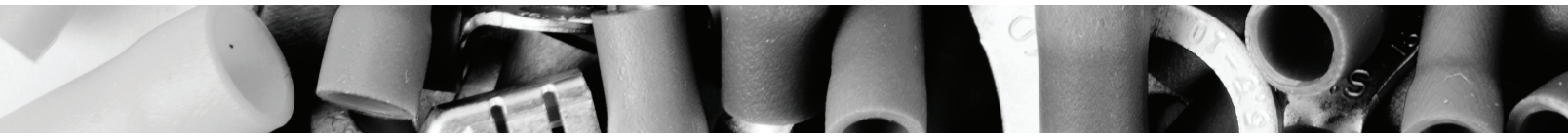
Terminals Kits and Assortments
- Tap Splice Kits 28
- Vinyl Insulated Terminal Kits 27
- Vinyl Insulated Terminal Kits w/ Wire Connectors 28
- Vinyl Insulated Terminal Kits w/ Multi-Tool and Wire Connectors 29







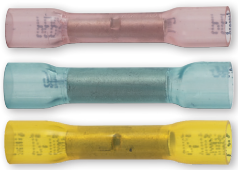




GBXtreme® TERMINALS

Constructed with Heat Shrink insulation - adhesive lined to waterproof and environmentally seal electrical connections when crimped and heated.

- Insulates and protects connections from wire pullout, moisture intrusion and abrasion.
- Heat-activated adhesive melts and flows to create a seal.
- Resists salt water, oil, gasoline and other environmental contaminants.
- Rated at 600 Volt Max.
- Temperature rating: -67˚ to 221˚F (-55˚ to 105˚C).
- 2.5:1 shrink ratio.
- Heat to 275˚F (135˚C).



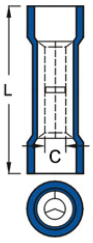
AMT-120, AMT-123 & AMT-126

BUTT SPLICES

Part #	Color	Pack Qty.	Length (L) Inches	Length (L) MM	Barrel I.D. (C) Inches	Barrel I.D. (C) MM	Wire Range
AMT-120	Red	3/Clam	1.33	33.71	0.07	1.7	#22 - #18 AWG
AMT-4120	Red	8/Clam	1.33	33.71	0.07	1.7	#22 - #18 AWG
AMT-121	Red	25/Clam	1.33	33.71	0.07	1.7	#22 - #18 AWG
AMT-123	Blue	3/Clam	1.33	33.71	0.09	2.3	#16 - #14 AWG
AMT-4123	Blue	7/Clam	1.33	33.71	0.09	2.3	#16 - #14 AWG
AMT-124	Blue	25/Clam	1.33	33.71	0.09	2.3	#16 - #14 AWG
AMT-126	Yellow	3/Clam	1.33	33.71	0.13	3.4	#12 - #10 AWG
AMT-5126	Yellow	4/Clam	1.33	33.71	0.13	3.4	#12 - #10 AWG
AMT-4126	Yellow	5/Clam	1.33	33.71	0.13	3.4	#12 - #10 AWG
AMT-127	Yellow	25/Clam	1.33	33.71	0.13	3.4	#12 - #10 AWG
AMT-5121*	Red	5/Clam	1.61	40.89	0.07	1.7	#22 - #18 AWG
XTM-240*	Red	6/Clam	1.61	40.89	0.07	1.7	#22 - #18 AWG
AMT-5123*	Blue	5/Clam	1.61	40.89	0.09	2.3	#16 - #14 AWG
XTM-245*	Blue	6/Clam	1.61	40.89	0.09	2.3	#16 - #14 AWG
XTM-250*	Yellow	4/Clam	1.61	40.89	0.13	3.4	#12 - #10 AWG
GBX-TK*	Red/Blue/Yellow	24/Clam	1.61	40.89	.07 - .13	1.7 - 3.4	#22 - #10 AWG

*Solder Butt Splices

c UL us LISTED





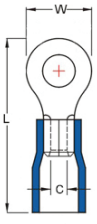
AMT-100, AMT-103 & AMT-108

RING TERMINALS

Part #	Color	Pack Qty.	Length (L) Inches	Length (L) MM	Width (W) Inches	Width (W) MM	Barrel I.D. (C) Inches	Barrel I.D. (C) MM	Wire Range	Stud Size
AMT-100	Red	3/Clam	1.37	34.80	0.4	10.16	0.067	1.7	#22 - #18 AWG	10
AMT-4100	Red	6/Clam	1.37	34.80	0.4	10.16	0.067	1.7	#22 - #18 AWG	10
AMT-103	Blue	3/Clam	1.37	34.80	0.4	10.16	0.091	2.3	#16 - #14 AWG	8
AMT-4103	Blue	6/Clam	1.37	34.80	0.4	10.16	0.091	2.3	#16 - #14 AWG	8
AMT-106	Yellow	3/Clam	1.37	34.80	0.4	10.16	0.131	3.4	#12 - #10 AWG	8
AMT-108	Yellow	3/Clam	1.88	47.75	0.56	14.22	0.131	3.4	#12 - #10 AWG	1/4"
AMT-4106	Yellow	5/Clam	1.37	34.80	0.4	10.16	0.131	3.4	#12 - #10 AWG	10
AMT-5102*	Red	4/Clam	1.67	42.42	0.4	10.16	0.067	1.7	#22 - #18 AWG	10
AMT-5104*	Blue	4/Clam	1.67	42.42	0.4	10.16	0.091	2.3	#16 - #14 AWG	10
XTM-260*	Blue	6/Clam	1.67	42.42	0.4	10.16	0.091	2.3	#16 - #14 AWG	10
AMT-5106*	Yellow	3/Clam	1.67	42.42	0.4	10.16	0.131	3.4	#12 - #10 AWG	10
XTM-265*	Yellow	4/Clam	1.67	42.42	0.4	10.16	0.131	3.4	#12 - #10 AWG	10

*Solder Ring Terminals

c UL us LISTED



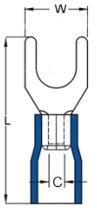


AMT-110, AMT-113 & AMT-116

SPADE TERMINALS

Part #	Color	Pack Qty.	Length (L) Inches	Length (L) MM	Width (W) Inches	Width (W) MM	Barrel I.D. (C) Inches	Barrel I.D. (C) MM	Wire Range	Stud Size
AMT-110	Red	3/Clam	1.38	35.05	0.36	9.14	0.067	1.7	#22 - #18 AWG	8 to 10
AMT-4110	Red	6/Clam	1.38	35.05	0.36	9.14	0.067	1.7	#22 - #18 AWG	8 to 10
AMT-113	Blue	3/Clam	1.38	35.05	0.36	9.14	0.091	2.3	#16 - #14 AWG	8 to 10
AMT-4113	Blue	6/Clam	1.38	35.05	0.36	9.14	0.091	2.3	#16 - #14 AWG	8 to 10
AMT-116	Yellow	3/Clam	1.39	35.05	0.4	10.16	0.131	3.4	#12 - #10 AWG	8 to 10
AMT-4116	Yellow	5/Clam	1.39	35.05	0.4	10.16	0.131	3.4	#12 - #10 AWG	8 to 10

c UL us LISTED



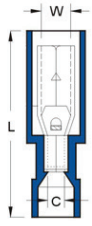


XTM-220, XTM-225 & XTM-230

DISCONNECT- SOLDER

Part #	Color	Pack Qty.	Length (L) Inches	Length (L) MM	Width (W) Inches	Width (W) MM	Barrel I.D. (C) Inches	Barrel I.D. (C) MM	Wire Range	Tab Size	Type
XTM-220	Red	3 Pairs/Clam	1.47 - 1.55	37.34 - 39.37	0.23	5.842	0.067	1.7	#22 - #18 AWG	.250"	F/M Pairs
XTM-225	Blue	3 Pairs/Clam	1.47 - 1.55	37.34 - 39.37	0.26	6.604	0.091	2.3	#16 - #14 AWG	.250"	F/M Pairs
XTM-230	Yellow	2 Pairs/Clam	1.47 - 1.55	37.34 - 39.37	0.32	8.128	0.134	3.4	#12 - #10 AWG	.250"	F/M Pairs

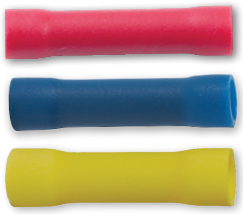
c UL us LISTED



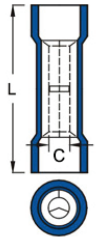
GENERAL PURPOSE TERMINALS

Quick and reliable crimp-type wire connections.

- Color-coded by wire gauge size.
- Available in a variety of packaging options and stud sizes.
- Includes Spade and Ring Terminals, Disconnects, and Bullet, Butt & Tap Splices.



15-121, 20-123 & 10-126

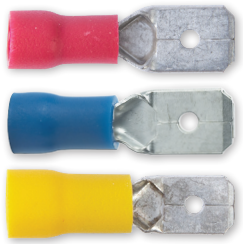


BUTT SPLICES

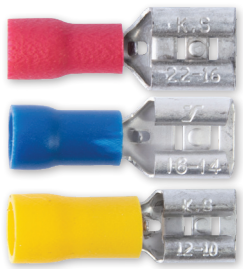
- Rated at 600 Volt Max.
- Temperature rating: 167˚F (75˚C).

c UL us LISTED

			Length (L)		Barrel I.D. (C)		
Part #	**Color**	**Pack Qty.**	**Inches**	**MM**	**Inches**	**MM**	**Wire Range**
15-121	Red	15/Clam	0.97	24.6	0.067	1.7	#22 - #16 AWG
20-121	Red	22/Clam	0.97	24.6	0.067	1.7	#22 - #16 AWG
75-121	Red	75/Clam	0.97	24.6	0.067	1.7	#22 - #16 AWG
10-121	Red	100/Clam	0.97	24.6	0.067	1.7	#22 - #16 AWG
15-123	Blue	15/Clam	0.97	24.6	0.098	2.5	#16 - #14 AWG
20-123	Blue	21/Clam	0.97	24.6	0.098	2.5	#16 - #14 AWG
75-123	Blue	75/Clam	0.97	24.6	0.098	2.5	#16 - #14 AWG
10-123	Blue	100/Clam	0.97	24.6	0.098	2.5	#16 - #14 AWG
15-126	Yellow	15/Clam	1.04	26.5	0.134	3.4	#12 - #10 AWG
20-126	Yellow	15/Clam	1.04	26.5	0.134	3.4	#12 - #10 AWG
10-126	Yellow	50/Clam	1.04	26.5	0.134	3.4	#12 - #10 AWG
75-126	Yellow	50/Clam	1.04	26.5	0.134	3.4	#12 - #10 AWG
15-120	Red/Blue/Yellow	15/Clam	.97 - 1.04	24.6 - 26.5	.067 - .134	1.7 - 3.4	#22 - #10 AWG



20-141M, 20-143M & 20-145M



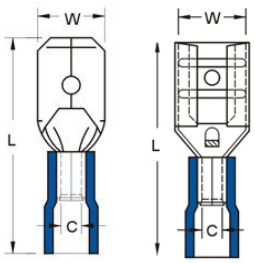
20-141F, 20-143F & 20-145F

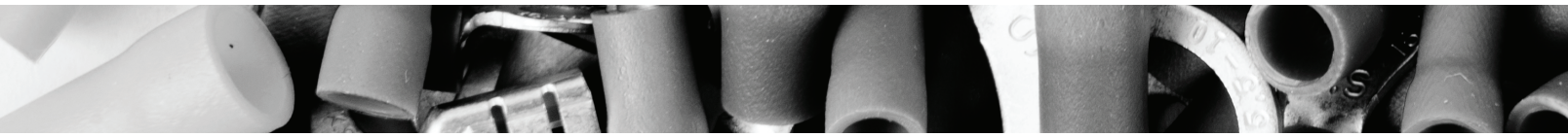
DISCONNECTS - VINYL INSULATED

- Rated at 600 Volt Max.
- Temperature rating: 167˚F (75˚C).

c UL us LISTED

			Length (L)		Width (W)		Barrel I.D. (C)				
Part #	**Color**	**Pack Qty.**	**Inches**	**MM**	**Inches**	**MM**	**Inches**	**MM**	**Wire Range**	**Tab Size**	**Type**
21-146F	Red	10/Clam	0.75	19.0	0.2	5.0	0.067	1.7	#22 - #16 AWG	.187"	Female
21-146M	Red	10/Calm	0.75	19.0	0.2	5.0	0.067	1.7	#22 - #16 AWG	.187"	Male
20-141M	Red	18/Clam	0.83	21.0	0.3	6.4	0.067	1.7	#22 - #16 AWG	.250"	Male
20-141F	Red	21/Clam	0.81	20.5	0.3	6.6	0.067	1.7	#22 - #16 AWG	.250"	Female
10-141F	Red	100/Clam	0.81	20.5	0.3	6.6	0.067	1.7	#22 - #16 AWG	.250"	Female
10-141M	Red	100/Clam	0.83	21.0	0.3	6.4	0.067	1.7	#22 - #16 AWG	.250"	Male
15-182	Red	15/Clam	.73 - .81	18.6 - 20.5	.13 - .26	3.2 - 6.6	0.067	1.7	#22 - #16 AWG	.110" to .250"	Female
21-143F	Blue	10/Clam	0.81	20.5	0.3	6.6	0.091	2.3	#16 - #14 AWG	.250"	Female
15-143M	Blue	14/Clam	0.83	21.0	0.3	6.4	0.091	2.3	#16 - #14 AWG	.250"	Male
15-143F	Blue	15/Clam	0.81	20.5	0.3	6.6	0.091	2.3	#16 - #14 AWG	.250"	Female
20-143M	Blue	18/Clam	0.83	21.0	0.3	6.4	0.091	2.3	#16 - #14 AWG	.250"	Male
20-143F	Blue	20/Clam	0.81	20.5	0.3	6.6	0.091	2.3	#16 - #14 AWG	.250"	Female
10-143F	Blue	100/Clam	0.81	20.5	0.3	6.6	0.091	2.3	#16 - #14 AWG	.250"	Female
15-184	Blue	15/Clam	.73 - .81	18.6 - 20.5	.126 - .26	3.2 - 6.6	0.091	2.3	#16 - #14 AWG	.110" to .250"	Female
21-145F	Yellow	8/Clam	0.93	23.5	0.3	6.6	0.134	3.4	#12 - #10 AWG	.250"	Female
15-145F	Yellow	15/Clam	0.93	23.5	0.3	6.6	0.134	3.4	#12 - #10 AWG	.250"	Female
20-145F	Yellow	16/Clam	0.93	23.5	0.3	6.6	0.134	3.4	#12 - #10 AWG	.250"	Female
20-145M	Yellow	16/Clam	0.95	24.0	0.3	6.4	0.134	3.4	#12 - #10 AWG	.250"	Male
10-145F	Yellow	100/Clam	0.93	23.5	0.3	6.6	0.134	3.4	#12 - #10 AWG	.250"	Female
10-145M	Yellow	100/Clam	0.95	24.0	0.3	6.4	0.134	3.4	#12 - #10 AWG	.250"	Male







20-141M, 20-143M
& AMT-145M

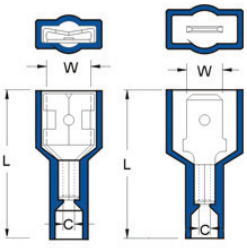
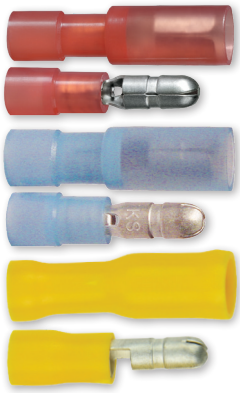


FIG-1 FIG-2

DISCONNECTS - FULLY INSULATED

- Rated at 600 Volt Max.
- Temperature rating: 167˚F (75˚C).

			Length (L)		Width (W)		Barrel I.D. (C)				
Part #	Color	Pack Qty.	Inches	MM	Inches	MM	Inches	MM	Wire Range	Tab Size	Type
15-152P	Red/Blue	6 Pairs/Clam	0.87 - .95	22 - 24	.25 - .26	6.4 - 6.6	.067 - .091	1.7 - 2.3	#22 - #14 AWG	.250"	F/M Pairs
20-151P	Red	10 Pairs/Clam	0.87 - .95	22 - 24	.25 - .26	6.4 - 6.6	0.067	1.7	#22 - #16 AWG	.250"	F/M Pairs
15-151F	Red	15/Clam	0.87	22	0.26	6.6	0.067	1.7	#22 - #16 AWG	.250"	Female
15-151M	Red	15/Clam	0.95	24	0.25	6.4	0.067	1.7	#22 - #16 AWG	.250"	Male
10-151F	Red	100/Clam	0.87	22	0.26	6.6	0.067	1.7	#22 - #16 AWG	.250"	Female
15-153F	Blue	15/Clam	0.87	22	0.26	6.6	0.091	2.3	#16 - #14 AWG	.250"	Female
15-153M	Blue	15/Clam	0.95	24	0.25	6.4	0.091	2.3	#16 - #14 AWG	.250"	Male
20-153F	Blue	20/Clam	0.87	22	0.26	6.6	0.091	2.3	#16 - #14 AWG	.250"	Female
20-153P	Blue	10 Pairs/Clam	0.87 - .95	22 - 24	.25 - .26	6.35 - 6.6	0.091	2.3	#16 - #14 AWG	.250"	F/M Pairs
10-153P	Blue	50 Pairs/Clam	0.87 - .95	22 - 24	.25 - .26	6.35 - 6.6	0.091	2.3	#16 - #14 AWG	.250"	F/M Pairs
10-153M	Blue	80/Clam	0.95	24	0.25	6.4	0.091	2.3	#16 - #14 AWG	.250"	Male
10-153F	Blue	100/Clam	0.87	22	0.26	6.6	0.091	2.3	#16 - #14 AWG	.250"	Female
21-155F	Yellow	4/Clam	0.95	24	0.26	6.6	0.134	3.4	#12 - #10 AWG	.250"	Female
21-155M	Yellow	4/Clam	0.98	25	0.25	6.4	0.134	3.4	#12 - #10 AWG	.250"	Male
15-155F	Yellow	10/Clam	0.95	24	0.26	6.6	0.134	3.4	#12 - #10 AWG	.250"	Female
15-155M	Yellow	10/Clam	0.98	25	0.25	6.4	0.134	3.4	#12 - #10 AWG	.250"	Male
10-155F	Yellow	50/Clam	0.95	24	0.26	6.6	0.134	3.4	#12 - #10 AWG	.250"	Female

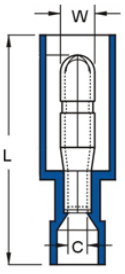


20-161P, 20-1636
& 15-162P

BULLET SPLICES - FULLY INSULATED

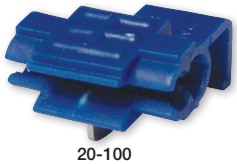
- Rated at 600 Volt Max.
- Temperature rating: 167˚F (75˚C).

			Length (L)		Width (W)		Barrel I.D. (C)				
Part #	Color	Pack Qty.	Inches	MM	Inches	MM	Inches	MM	Wire Range	Tab Size	Type
20-161P	Red	5 Pairs/Clam	.87 - .99	22- 25.2	.15 - .16	3.9 - 4	0.067	1.7	#22 - #16AWG	.156"	F/M Pairs
21-161F	Red	6/Clam	0.99	25.2	0.15	3.9	0.067	1.7	#22 - #16AWG	.156"	Female
21-161M	Red	6/Clam	0.87	22	0.16	4	0.067	1.7	#22 - #16AWG	.156"	Male
15-163P	Blue	5 Pairs/Clam	.87 - .99	22- 25.2	.15 - .16	3.9 - 4	0.091	2.3	#16 - #14 AWG	.156"	F/M Pairs
20-163F	Blue	20/Clam	0.99	25.2	0.15	3.9	0.091	2.3	#16 - #14 AWG	.156"	Female
20-163M	Blue	20/Clam	0.87	22	0.16	4	0.091	2.3	#16 - #14 AWG	.156"	Male
10-163P	Blue	50 Pairs/Clam	.87 - .99	22- 25.2	.15 - .16	3.9 - 4	0.091	2.3	#16 - #14 AWG	.156"	F/M Pairs
20-163P	Blue	10 Pairs/Clam	.87 - .99	22- 25.2	.15 - .16	3.9 - 4	0.091	2.3	#16 - #14 AWG	.156"	F/M Pairs
15-162P	Yellow	5 Pairs/Clam	.93 - 0.95	23.5 - 24	0.19 - 2	4.9 - 5	0.134	3.4	#12 - #10 AWG	.156"	F/M Pairs





20-2218



20-100

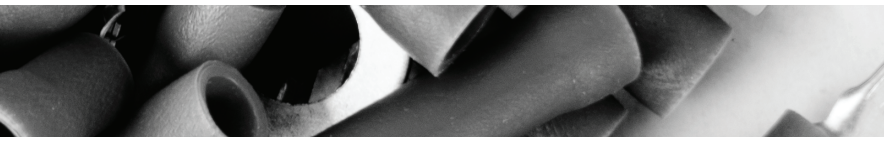


20-1210

TAP SPLICES

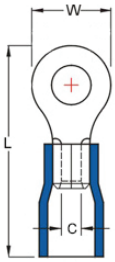
- Secure connections without stripping wire.
- Rated at 600 Volt Max.
- Temperature rating: 221˚F (105˚C).

Part #	Color	Pack Qty.	Wire Range
20-2218	Red	5/clam	#22 - #18 AWG
20-100	Blue	5/Clam	#16 - #14 AWG
21-100	Blue	5/Clam	#16 - #14 AWG
10-100	Blue	25/Clam	#16 - #14 AWG
20-1210	Yellow	3/Clam	#12 - #10 AWG





20-102, 20-106 & 20-104



RING TERMINALS - VINYL INSULATED

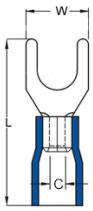


- Rated at 600 Volt Max.
- Temperature rating: 167˚F (75˚C).

			Length (L)		Width (W)		Barrel I.D. (C)			
Part #	Color	Pack Qty.	Inches	MM	Inches	MM	Inches	MM	Wire Range	Stud Size
15-2214	Red/Blue	14/Clam	.69 - 7	17.5 - 17.8	.15 - .26	3.7 - 6.6	.067 - .091	1.7 - 2.3	#22 - #14 AWG	4 to 6
15-101	Red	10/Clam	0.69	17.5	0.15	3.7	0.067	1.7	#22 - #16 AWG	4 to 6
21-101	Red	10/Clam	0.69	17.5	0.15	3.7	0.067	1.7	#22 - #16 AWG	4 to 6
15-102	Red	10/Clam	0.82	20.8	0.21	5.3	0.067	1.7	#22 - #16 AWG	8 to 10
20-101	Red	22/Clam	0.69	17.5	0.15	3.7	0.067	1.7	#22 - #16 AWG	4 to 6
20-102	Red	22/Clam	0.82	20.8	0.21	5.3	0.067	1.7	#22 - #16 AWG	8 to 10
10-102	Red	100/Clam	0.82	20.8	0.21	5.3	0.067	1.7	#22 - #16 AWG	8 to 10
21-1055	Blue	7/Clam	1.2	30.5	0.54	13.6	0.091	2.3	#16 - #14 AWG	16" to 3/8"
15-103	Blue	10/Clam	0.7	17.8	0.26	6.6	0.091	2.3	#16 - #14 AWG	4 to 6
15-104	Blue	15/Clam	0.86	21.8	0.37	5.3	0.091	2.3	#16 - #14 AWG	8 to 10
20-105	Blue	17/Clam	1.06	26.8	0.47	12	0.091	2.3	#16 - #14 AWG	12 to 1/4"
20-103	Blue	22/Clam	0.7	17.8	0.26	6.6	0.091	2.3	#16 - #14 AWG	4 to 6
20-104	Blue	22/Clam	0.86	21.8	0.37	5.3	0.091	2.3	#16 - #14 AWG	8 to 10
75-104	Blue	75/Clam	0.86	21.8	0.37	5.3	0.091	2.3	#16 - #14 AWG	8 to 10
10-103	Blue	100/Clam	0.7	17.8	0.26	6.6	0.091	2.3	#16 - #14 AWG	4 to 6
10-104	Blue	100/Clam	0.86	21.8	0.37	9.5	0.091	2.3	#16 - #14 AWG	8 to 10
10-105	Blue	100/Clam	1.06	26.8	0.47	12	0.091	2.3	#16 - #14 AWG	12 to 1/4"
21-109	Yellow	7/Clam	1.52	38.6	0.76	19.2	0.134	3.4	#12 - #10 AWG	16" to 1/2"
21-106	Yellow	8/Clam	1.02	26	0.37	9.5	0.134	3.4	#12 - #10 AWG	8 to 10
20-108	Yellow	13/Clam	1.34	34	0.59	15	0.134	3.4	#12 - #10 AWG	4" to 3/8"
20-106	Yellow	14/Clam	1.02	26	0.37	9.5	0.134	3.4	#12 - #10 AWG	8 to 10
20-107	Yellow	14/Clam	1.16	29.5	0.47	12	0.134	3.4	#12 - #10 AWG	12 to 1/4"
15-106	Yellow	15/Clam	1.02	26	0.37	9.5	0.134	3.4	#12 - #10 AWG	8 to 10
15-107	Yellow	15/Clam	1.16	29.5	0.47	12	0.134	3.4	#12 - #10 AWG	12 to 1/4"
15-108	Yellow	15/Clam	1.34	34	0.59	15	0.134	3.4	#12 - #10 AWG	16" to 3/8"
10-106	Yellow	50/Clam	1.02	26	0.37	9.5	0.134	3.4	#12 - #10 AWG	8 to 10
75-106	Yellow	50/Clam	1.02	26	0.37	9.5	0.134	3.4	#12 - #10 AWG	8 to 10
10-107	Yellow	50/Clam	1.16	29.5	0.47	12	0.134	3.4	#12 - #10 AWG	12 to 1/4"
10-108	Yellow	50/Clam	1.34	34	0.59	15	0.134	3.4	#12 - #10 AWG	4" to 3/8"
15-095	Red	5/Card	1.14	29	0.32	8	0.177	4.5	#8 AWG	1/4"
14-095	Blue	4/Card	1.61	40.8	0.472	12	0.228	5.8	#6 AWG	1/4"
14-096	Blue	4/Card	1.71	43.5	0.63	16	0.228	5.8	#6 AWG	3/8"
15-096	Blue	4/Clam	1.71	43.5	0.63	16	0.228	5.8	#6 AWG	3/8"
14-097	Blue	4/Card	2.05	52	0.87	22	0.228	5.8	#6 AWG	1/2"
14-098	Yellow	4/Card	1.79	45.5	0.65	16.5	0.512	13	#4 AWG	3/8"
15-098	Yellow	4/Clam	1.79	45.5	0.65	16.5	0.512	13	#4 AWG	3/8"
14-099	Yellow	4/Card	2.15	54.5	0.87	22	0.303	7.7	#4 AWG	1/2"



20-114, 20-116 & 15-111



SPADE TERMINALS - VINYL INSULATED



- Vinyl-Insulated Barrel.
- Rated at 600 Volt Max.
- Temperature rating: 167˚F (75˚C).

			Length (L)		Width (W)		Barrel I.D. (C)			
Part #	Color	Pack Qty.	Inches	MM	Inches	MM	Inches	MM	Wire Range	Stud Size
15-2216	Red/Blue	14/Clam	0.83	21	0.37	9.5	.067 - .091	1.7 - 2.3	#22 - #14 AWG	8 to 10
15-111	Red	10/Clam	0.83	21	0.025	6.4	0.067	1.7	#22 - #16 AWG	4 to 6
15-112	Red	10/Clam	0.83	21	0.37	9.5	0.067	1.7	#22 - #16 AWG	8 to 10
20-111	Red	20/Clam	0.83	21	0.025	6.4	0.067	1.7	#22 - #16 AWG	4 to 6
20-112	Red	20/Clam	0.83	21	0.37	9.5	0.067	1.7	#22 - #16 AWG	8 to 10
75-111	Red	75/Clam	0.83	21	0.025	6.4	0.067	1.7	#22 - #16 AWG	4 to 6
10-112	Red	100/Clam	0.83	21	0.37	9.5	0.067	1.7	#22 - #16 AWG	8 to 10
15-113	Blue	10/Clam	0.83	21	0.24	6	0.091	2.3	#16 - #14 AWG	4 to 6
15-114	Blue	15/Clam	0.83	21	0.37	9.3	0.091	2.3	#16 - #14 AWG	8 to 10
20-113	Blue	20/Clam	0.83	21	0.24	6	0.091	2.3	#16 - #14 AWG	4 to 6
20-114	Blue	20/Clam	0.83	21	0.37	9.3	0.091	2.3	#16 - #14 AWG	8 to 10
75-113	Blue	75/Clam	0.83	21	0.24	6	0.091	2.3	#16 - #14 AWG	4 to 6
10-113	Blue	100/Clam	0.83	21	0.24	6	0.091	2.3	#16 - #14 AWG	4 to 6
10-114	Blue	100/Clam	0.83	21	0.37	9.3	0.091	2.3	#16 - #14 AWG	8 to 10
20-116	Yellow	14/Clam	1	25.5	0.35	9	1.31	3.4	#12 - #10 AWG	8 to 10
15-116	Yellow	15/Clam	1	25.5	0.35	9	1.31	3.4	#12 - #10 AWG	8 to 10
75-116	Yellow	50/Clam	1	25.5	0.35	9	1.31	3.4	#12 - #10 AWG	8 to 10
10-116	Yellow	50/Clam	1	25.5	0.35	9	1.31	3.4	#12 - #10 AWG	8 to 10

TERMINAL BLOCKS



TERMINAL BLOCKS

- Rated at 30 Amp/600 Volt Max.
- Temperature rating: -40˚ to 260˚F (-40˚ to 130˚C).
- Wire range 22-10 AWG.
- Accepts #8 stud size.

Part #	Color	Pack Qty.	Wire Range	# of Circuits
GTB-406	Black	1/Clam	#22 - #10 AWG	6
GTB-408	Black	1/Clam	#22 - #10 AWG	8
GTB-410	Black	1/Clam	#22 - #10 AWG	10

UNDERGROUND SPLICE KITS



UNDERGROUND BUTT SPLICE KIT (#14 - #8 AWG)

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

- .4" ID heat shrink tube.
- 1/4" Ø x 1-1/4" brass butt splice.
- Rated at 600 Volt Max.

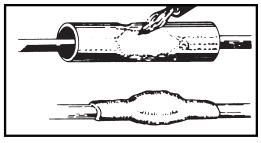
Part #	Color	Description	Pack Qty.	Wire Range
HST-WP	Black	8" Heavy-Wall Polyolefin Heat-Shrink Tubing with Watertight Adhesive Liner & 4 Screw Splice Connectors	1	#14 - #8 AWG



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.
- Rated at 600 Volt Max.



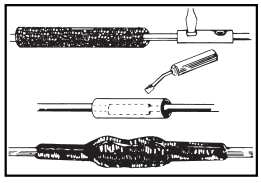
Part #	Color	Description	Pack Qty.	Wire Range
HST-1300	Black	4" Heavy-Wall Potlyolefin Heat-Shrink Tubing with Watertight Adhesive Liner & 1 Screw Splice Connectors	1	#14 - #8 AWG



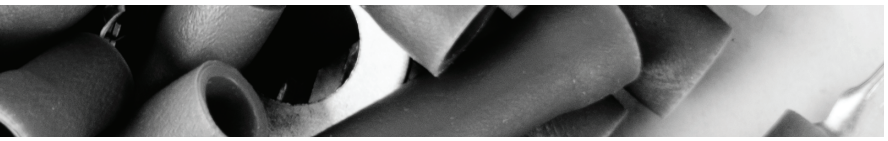
UNDERGROUND BUTT SPLICE KIT (#8 - #2 AWG)

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

- 3/4" ID heat shrink tube.
- 1/2" Ø x 1-1/2" brass butt splice.
- Eliminates messy epoxies, tapes or mastics.
- Rated at 600 Volt Max.



Part #	Color	Description	Pack Qty.	Wire Range
HSB-28	Black	4" Heavy-Wall Polyolefin Heat-Shrink Tubing with Watertight Adhesive Liner & 1 Screw Splice Connectors	1	#8 - #2 AWG



CHARGING CLIPS



ALLIGATOR CLIPS

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

- Made from Nickel-plated steel.
- Available with PVC insulating sleeve or insulated barrel.

Part #	Color	Pack Qty.	Insulation Type	Length	Amperage	Wire Range	Material
14-075	Silver	10/Card	Non-insulated	1-1/4"	5A	#22-#18 AWG	Nickel-plated Steel
14-076	Silver	4/Card	Non-insulated	2"	10A	#22-#16 AWG	Nickel-plated Steel
14-077	Red/Black	2/Card	PVC insulated Barrel	2"	10A	#22-#16 AWG	Nickel-plated Steel
14-078	Red/Black	2/Card	PVC insulated	2"	10A	#22-#16 AWG	Nickel-plated Steel



MEDIUM DUTY CHARGING CLIPS

Designed for battery chargers and testing equipment applications.

- Copper-plated steel.
- PVC insulated grips with color identification.

Part #	Color	Pack Qty.	Insulation Type	Length	Amperage	Wire Range	Material
14-610	Red/Black	2/Card	PVC insulated	2"	10A	#16-#14 AWG	Copper-plated Steel
14-630	Red/Black	2/Card	PVC insulated	3"	30A	#18-#10 AWG	Copper-plated Steel

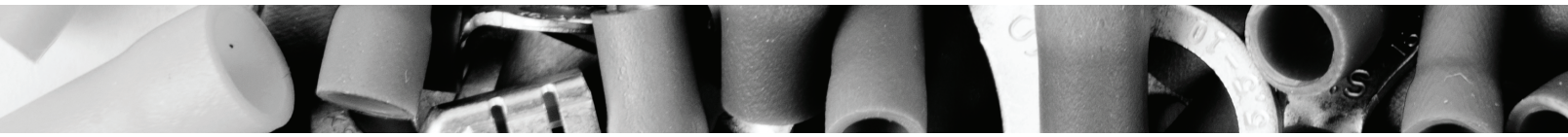


HEAVY DUTY CHARGING CLIPS

Designed for battery chargers and testing equipment applications.

- Made from Nickel-plated steel.
- Available in multiple sizes.

Part #	Color	Pack Qty.	Insulation Type	Length	Amperage	Wire	Material
14-505	Silver	4/Card	Non-insulated	1-11/16"	5A	22-18 AWG	Nickel-plated Steel
14-510	Silver	4/Card	Non-insulated	2"	10A	16-14 AWG	Nickel-plated Steel
14-520	Silver	2/Card	Non-insulated	2-13/16"	20A	16-12 AWG	Nickel-plated Steel
14-530	Silver	2/Card	Non-insulated	3"	30A	18-10 AWG	Nickel-plated Steel
14-550	Silver	1/Card	Non-insulated	4-1/4"	50A	8 AWG max	Nickel-plated Steel









GBXtreme® PRIMARY WIRE

GB XTREME® PRIMARY WIRE

Tinned copper wire provides maximum protection against corrosion and electrolysis.

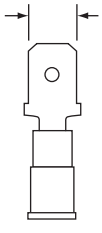
- Ultra-flexible (Type 3) stranding.
- Resists salt water, battery acid, oil, gasoline and UV radiation.
- Insulation is heat and abrasion-resistant.
- Packaged in small spools.
- Rated to 600 Volt Max.
- Temperature rating: 221°F (105°C).

Part #	Color	Pack Qty.	Wire Gauge	Length
AMW-318	Black	1	#18 AWG	35ft
AMW-328	Red	1	#18 AWG	35ft
AMW-338	White	1	#18 AWG	35ft
AMW-316	Black	1	#16 AWG	25ft
AMW-326	Red	1	#16 AWG	25ft
AMW-336	White	1	#16 AWG	25ft
AMW-314	Black	1	#14 AWG	18ft
AMW-324	Red	1	#14 AWG	18ft
AMW-334	White	1	#14 AWG	18ft
AMW-312	Black	1	#12 AWG	12ft
AMW-322	Red	1	#12 AWG	12ft
AMW-332	White	1	#12 AWG	12ft

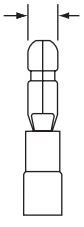
SIZE CHART

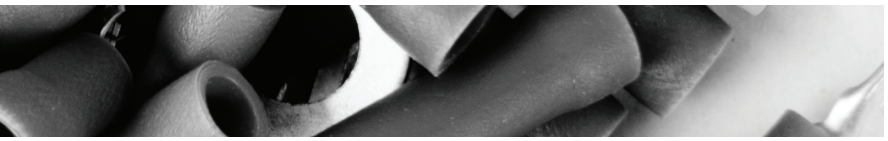
Stud Size	Diameter	US
#2	0.086" (2,144 mm)	
#4	0.112" (2,844 mm)	
#6	0.138" (3,505 mm)	
#8	0.164" (4,166 mm)	
#10	0.190" (4,826 mm)	
1/4"	0.250" (6,350 mm)	
5/16"	0.3125" (7,938 mm)	
3/8"	0.375" (9,525 mm)	
7/16"	0.4375 (11,113 mm)	
1/2"	0.500" (12,700 mm)	
9/16"	0.5625" (14,287 mm)	

Disconnect Tab Size	US
0.110"	
0.187"	
0.250"	



Stud Size	US
0.157"	
0.197"	





TERMINALS KITS AND ASSORTMENTS

VINYL INSULATED TERMINAL KITS

Vinyl insulated kits that contain various popular terminal connectors with a multitude of stud sizes and covering the wire ranges of 22-16, 16-14, and 12-10 AWG.

Part Number	Description	Qty
TK-806	Ring and Spade Terminals, Butt Splices, and Male/Female Disconnects	100
TK-175	Ring and Spade Terminals, Butt Splices, and Male/Female Disconnects	175
TK-40	Ring and Spade Terminals, Butt Splices, and Female Disconnects	40
TK-1210	Ring and Spade Terminals, Butt and Bullet Splices, and Male/Female Disconnects	28
TK-1614	Ring and Spade Terminals, Butt Splices, and Male/Female Disconnects	46
TK-1822	Ring and Spade Terminals, Butt and Bullet Splices, and Male/Female Disconnects	46
10-170	Ring and Spade Terminals, Butt Splices, and Male/Female Disconnects	100

*See Appendix B for full listing of product contained within each kit. Pg. 173

TK-806



TK-175



TK-40



TK-1210



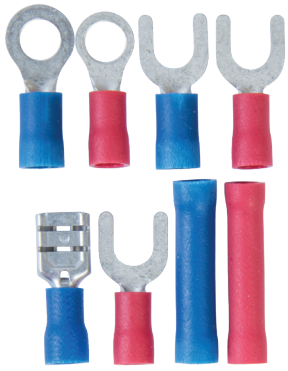
TK-1614

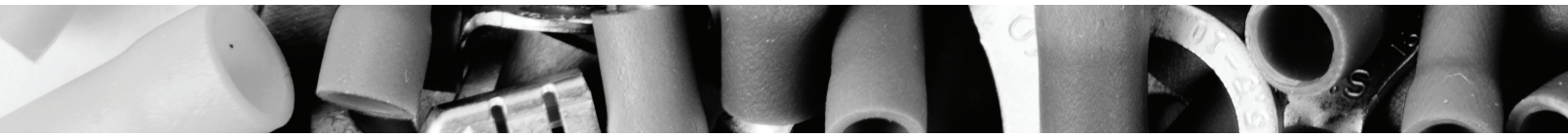


TK-1822



10-170





VINYL INSULATED TERMINAL KITS W/ WIRE CONNECTORS

Vinyl insulated terminal kits that contain various popular terminal and wire connectors with a multitude of stud sizes and covering the wire ranges of 22-16, 16-14, and 12-10 AWG.

Part Number	Description	Qty
TK-100	Assorted Kit with Wire Connectors, Ring and Spade Terminals, Butt and Tap Splices, and Female Disconnects	80
TK-500	Assorted Kit with Wire Connectors, Ring and Spade Terminals, Butt and Tape Splices, and Male/Female Disconnects	247

*See Appendix B for full listing of product contained within each kit. Pg. 173

TK-100



TK-500



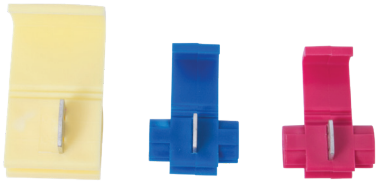
TAP SPLICE KITS

These kits contain various tap splices that range from 22-16, 16-14, and 12-10 AWG which help secure connections without stripping wire.

Part Number	Description	Qty
15-2210	Assorted Tap Splice Kit	10
TK-QC	Assorted Tap Splice Kit	18

*See Appendix B for full listing of product contained within each kit. Pg. 173

15-2210



TK-QC



VINYL INSULATED TERMINAL KITS W/ MULTI-TOOL AND WIRE CONNECTORS

Complete terminal kits that contain various popular terminal and wire connectors with a multitude of stud sizes and covering the wire ranges of 22-16, 16-14, and 12-10 AWG. These kits also include a multi-tool for stripping and crimping as well as cable ties for your bundling needs.

Part Number	Description	Qty
GS-67K	Stripper and Crimper Tool Kit with Ring and Spade Terminals, Butt Splices, and Female Disconnects	25
GK-15N	Ring and Spade Terminals, Butt and Bullet Splices, Closed End Connectors, and Male/Female Disconnects with Stripper/Crimper	100
GK-35	Ring and Spade Terminals, Butt and Tape Splices, Straight Connectors, Cable Ties, and Male/Female Disconnects with Crimping Tool	100
GK-50	Wire Connectors, Ring and Spade Terminals, Butt and Tap Splices, Cable Ties and Clips, Hook & Loop Fasteners, Voltage Tester, Vinyl Tape, Slotted/Phillips Screwdrivers, and Stripper/Crimper tool	398

*See Appendix B for full listing of product contained within each kit. Pg. 173

GS-67K



GK-15N

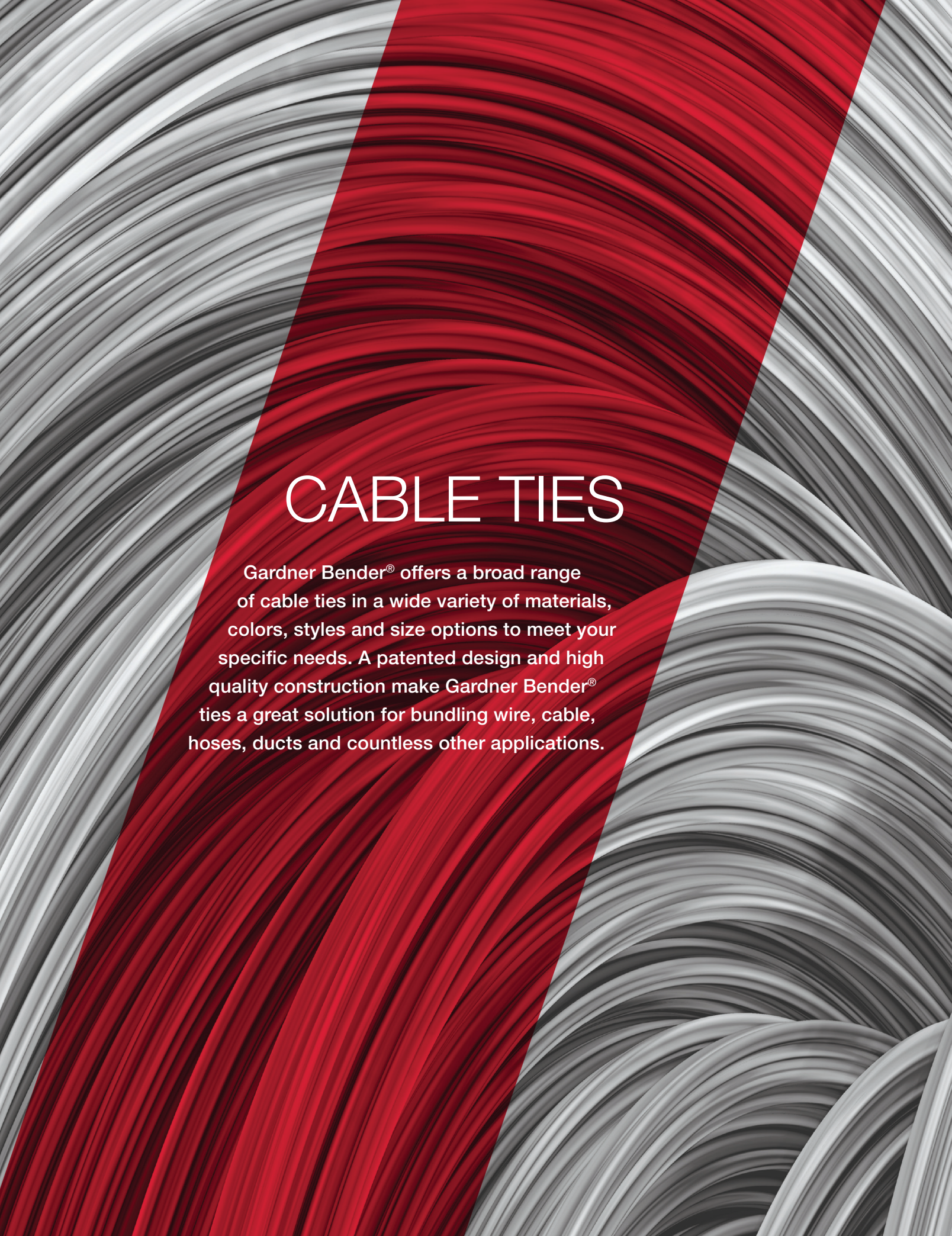


GS-35



GK-50





CABLE TIES

Gardner Bender® offers a broad range of cable ties in a wide variety of materials, colors, styles and size options to meet your specific needs. A patented design and high quality construction make Gardner Bender® ties a great solution for bundling wire, cable, hoses, ducts and countless other applications.

All Weather 34
Assorted Packs 34
Heavy Duty 33
Standard 32
Specialty
Beaded 37
Hook and Loop Fasteners 37
ID 38
Metal Pawl 36
Mounting 35
Plenum 36
Releasable 36
Self Cutting 35
Stainless Steel 38

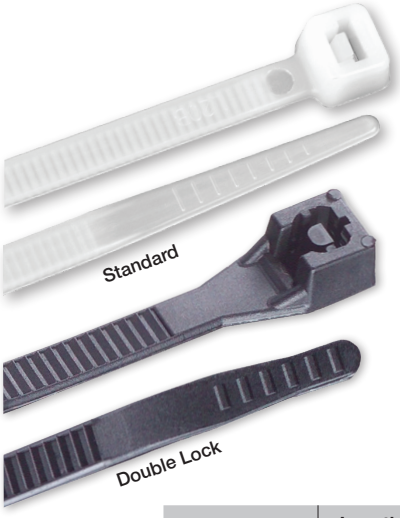
Tools & Accessories
Cable Tie Tensioning Tools 39
Mounting Bases & Push Mounts 39







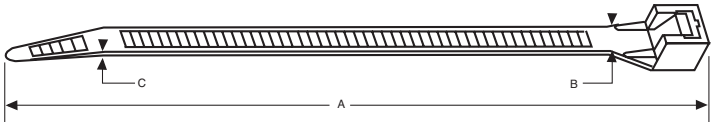




STANDARD CABLE TIES

Gardner Bender® offers a broad range of cable ties, great for bundling wire, cable, hoses, ducts and countless other applications.

- Made from durable nylon 6/6 material.
- Black Ties are UV Resistant.
- UL Type 21 Cable Ties serviceable through temperatures -40° to 185°F (-40° to 85°C).
- Meets UL 94 V-2 flammability classification.
- Patented DoubleLock® design has teeth on both sides of the tie, ensuring 50% greater strength than industry standards.



Part #	Length "A"	Tensile Strength	Pack Qty.	Double Lock®	Color	Width (Inches) "B"	Thickness "C"	Bundle Diameter Max (Inches)	UL Type
45-104UVB	4"	18 lb	30/bag		Black	.10"	.035"	.81"	21
45-104	4"	18 lb	40/bag		Natural	.10"	.035"	.81"	21
46-104	4"	18 lb	100/bag		Natural	.10"	.035"	.81"	21
46-104UVB	4"	18 lb	100/bag		Black	.10"	.035"	.81"	21
46-104MN	4"	18 lb	1000/bag		Natural	.10"	.035"	.81"	21
46-104UVBMN	4"	18 lb	1000/bag		Black	.10"	.035"	.81"	21
46-206	6"	30 lb	100/bag		Natural	.13"	.045"	1.38"	21
46-206M	6"	30 lb	1000/bag		Natural	.13"	.045"	1.38"	21
46-206UVB	6"	30 lb	100/bag		Black	.13"	.045"	1.38"	21
43-308UVB	8"	45 lb	100/bag	✓	Black	.14"	.055"	2.0"	21
46-008UVB	8"	50 lb	1000/bag		Black	.17"	.055"	2.0"	21
46-108N	8"	50 lb	100/bag		Natural	.17"	.055"	2.0"	21
45-308FY	8"	75 lb	20/bag	✓	Florescent Yellow	.17"	.055"	2.0"	21
45-308G	8"	75 lb	20/bag	✓	Green	.17"	.055"	2.0"	21
45-308	8"	75 lb	20/bag	✓	Natural	.17"	.055"	2.0"	21
45-308FB	8"	75 lb	20/bag	✓	Fluorescent Blue	.17"	.055"	2.0"	21
45-308FG	8"	75 lb	20/bag	✓	Fluorescent Green	.17"	.055"	2.0"	21
45-308UVB	8"	75 lb	15/bag	✓	Black	.17"	.055"	2.0"	21
46-308	8"	75 lb	100/bag	✓	Natural	.17"	.055"	2.0"	21
46-308G	8"	75 lb	100/bag	✓	Green	.17"	.055"	2.0"	21
46-308MN	8"	75 lb	1000/bag	✓	Natural	.17"	.055"	2.0"	21
46-308UVB	8"	75 lb	100/bag	✓	Black	.17"	.055"	2.0"	21
46-308UVBMN	8"	75 lb	1000/bag	✓	Black	.17"	.055"	2.0"	21
46-507N	8"	75 lb	500/bag	✓	Natural	.17"	.055"	2.0"	21
46-210	11"	45 lb	100/bag	✓	Natural	.13"	.055"	3.0"	21
46-210UVB	11"	45 lb	100/bag	✓	Black	.13"	.055"	3.0"	21
46-111	11"	50 lb	100/bag		Natural	.18"	.055"	3.0"	21
45-312	11"	75 lb	12/bag	✓	Natural	.17"	.055"	3.0"	21
45-312UVB	11"	75 lb	8/bag	✓	Black	.17"	.055"	3.0"	21
46-310	11"	75 lb	100/bag	✓	Natural	.17"	.055"	3.0"	21
46-310M	11"	75 lb	1000/bag	✓	Natural	.17"	.055"	3.0"	21
46-310UVB	11"	75 lb	100/bag	✓	Black	.17"	.055"	3.0"	21
46-310UVBM	11"	75 lb	1000/bag	✓	Black	.17"	.055"	3.0"	21
46-311	11"	75 lb	300/bag	✓	Natural	.17"	.055"	3.0"	21
42-314	14"	45 lb	8/bag	✓	Natural	.14"	.055"	4.0"	21
42-314UVB	14"	45 lb	8/bag	✓	Black	.14"	.055"	4.0"	21
46-214	14"	45 lb	100/bag	✓	Natural	.14"	.055"	4.0"	21
46-214UVB	14"	45 lb	100/bag	✓	Black	.14"	.055"	4.0"	21
46-114	14"	50 lb	100/bag		Natural	.17"	.055"	4.0"	21
46-114UVB	14"	50 lb	100/bag		Black	.17"	.055"	4.0"	21
46-514	14"	50 lb	500/bag	✓	Natural	.17"	.055"	4.0"	21
46-514UVB	14"	50 lb	500/bag	✓	Black	.17"	.055"	4.0"	21
45-315	14"	75 lb	8/bag	✓	Natural	.17"	.055"	4.0"	21
45-315UVB	14"	75 lb	8/bag	✓	Black	.17"	.055"	4.0"	21
46-315	14"	75 lb	100/bag	✓	Natural	.17"	.055"	4.0"	21
46-315M	14"	75 lb	1000/bag	✓	Natural	.17"	.055"	4.0"	21
46-315UVB	14"	75 lb	100/bag	✓	Black	.17"	.055"	4.0"	21
46-315UVBM	14"	75 lb	1000/bag	✓	Black	.17"	.055"	4.0"	21



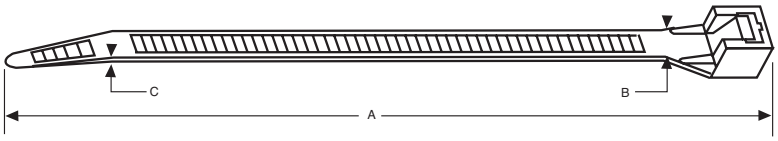
HEAVY DUTY CABLE TIES

Heavy-duty design offers 120 and 180 lbs of tensile strength.

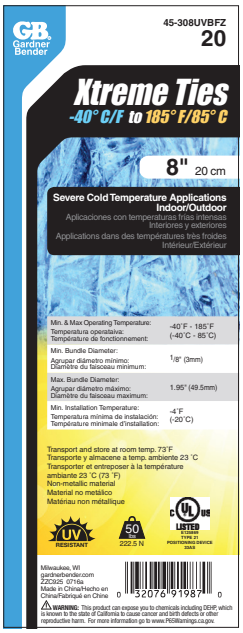
- Black Ties are UV Resistant.
- Min/Max operating temperature -40° to 185°F (-40° to 85°C). Installation temperature 14°F (-10°C).

UV RESISTANT

c UL us LISTED Type 21



Part #	Length "A"	Tensile Strength	Pack Qty.	Color	Width (Inches) "B"	Thickness "C"	Bundle Diameter Max (Inches)	UL Type
46-408	8"	120 lb	100/bag	Natural	.25"	.070"	2.0"	21
46-408UVB	8"	120 lb	100/bag	Black	.25"	.070"	2.0"	21
46-412	12"	120 lb	100/bag	Natural	.25"	.070"	3.2"	21
46-412UVB	12"	120 lb	100/bag	Black	.25"	.070"	3.2"	21
45-515	15"	120 lb	10/bag	Natural	.25"	.070"	4.2"	21
45-515UVB	15"	120 lb	10/bag	Black	.25"	.070"	4.2"	21
46-415	15"	120 lb	50/bag	Natural	.25"	.070"	4.2"	21
46-415UVB	15"	120 lb	50/bag	Black	.25"	.070"	4.2"	21
45-518N	18"	180 lb	10/bag	Natural	.35"	.070"	5.1"	21
45-518UVBN	18"	180 lb	10/bag	Black	.35"	.070"	5.1"	21
46-418	18"	180 lb	50/bag	Natural	.35"	.070"	5.1"	21
46-418UVB	18"	180 lb	50/bag	Black	.35"	.070"	5.1"	21
45-521	21"	180 lb	10/bag	Natural	.35"	.070"	6.4"	21
45-521UVB	21"	180 lb	10/bag	Black	.35"	.070"	6.4"	21
46-421	21"	180 lb	50/bag	Natural	.35"	.070"	6.4"	21
46-421UVB	21"	180 lb	50/bag	Black	.35"	.070"	6.4"	21
45-524	24"	180 lb	10/bag	Natural	.35"	.070"	7.1"	21
45-524SP	24"	180 lb	10/bag	Natural	.35"	.070"	7.1"	21
45-524UVB	24"	180 lb	10/bag	Black	.35"	.070"	7.1"	21
45-524UVBSP	24"	180 lb	10/bag	Black	.35"	.070"	7.1"	21
46-424	24"	180 lb	50/bag	Natural	.35"	.070"	7.1"	21
46-424UVB	24"	180 lb	50/bag	Black	.35"	.070"	7.1"	21
46-330	30"	180 lb	25/bag	Natural	.35"	.070"	9.0"	21
46-330UVB	30"	180 lb	25/bag	Black	.35"	.070"	9.0"	21
45-536	36"	180 lb	10/bag	Natural	.35"	.070"	11.0"	21
45-536SP	36"	180 lb	10/bag	Natural	.35"	.070"	11.0"	21
45-536UVB	36"	180 lb	10/bag	Black	.35"	.070"	11.0"	21
45-536UVBSP	36"	180 lb	10/bag	Black	.35"	.070"	11.0"	21
46-436	36"	180 lb	50/bag	Natural	.35"	.070"	11.0"	21
46-436UVB	36"	180 lb	50/bag	Black	.35"	.070"	11.0"	21
45-548	48"	180 lb	10/bag	Natural	.35"	.070"	14.8"	21
45-548SP	48"	180 lb	10/bag	Natural	.35"	.070"	14.8"	21
45-548UVB	48"	180 lb	10/bag	Black	.35"	.070"	14.8"	21
45-548UVBSP	48"	180 lb	10/bag	Black	.35"	.070"	14.8"	21
46-448	48"	180 lb	50/bag	Natural	.35"	.070"	14.8"	21
46-448UVB	48"	180 lb	50/bag	Black	.35"	.070"	14.8"	21





ALL WEATHER CABLE TIES

All Weather Xtreme Ties save the day in harsh environment applications. Specifically designed to perform under intense UV, low humidity and cold weather conditions.

- Engineered from special modified Nylon 6/6 - ISO certified to maintain its properties in all weather conditions.
- Min/Max operating temperature -40° to 185°F (-40° to 85°C). Install temperature -4°F (-20°C)
- Black ties are UV Resistant.
- Designed to handle the driest weather conditions while competitors become brittle and break.

UV RESISTANT

c UL us LISTED Type 21

Part #	Length "A"	Tensile Strength	Pack Qty.	Color	Width (Inches) "B"	Thickness "C"	Bundle Diameter Max (Inches)	UL Type
45-308UVBFZ	8"	50 lb	20/bag	Black	.17"	.055"	2"	21
46-308UVBFZ	8"	50 lb	100/bag	Black	.17"	.055"	2"	21
45-311UVBFZ	11"	50 lb	20/bag	Black	.17"	.055"	3"	21
46-311UVBFZ	11"	50 lb	100/bag	Black	.17"	.055"	3"	21
45-314UVBFZ	14"	50 lb	20/bag	Black	.17"	.055"	4"	21
46-314UVBFZ	14"	50 lb	100/bag	Black	.17"	.055"	4"	21

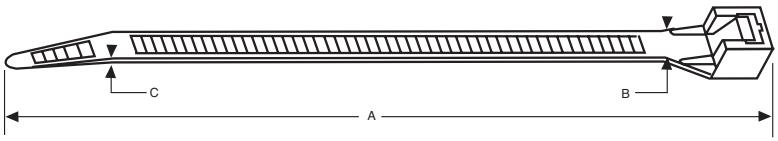


ASSORTED PACKS CABLE TIES

c UL us LISTED Type 21

Secures bundles to walls, studs or other surfaces easily.

- Black Ties are UV Resistant.
- Various lengths and tensile strengths to meet the requirements for most any job.
- Min/Max operating temperature -40° to 185°F (-40° to 85°C).



Part #	Length "A"	Tensile Strength	Pack Qty.	Color	Width (Inches) "B"	Thickness "C"	Bundle Diameter Max (Inches)	UL Type
10096	4", 8"	18 lb, 45 lb	200/tube	Tan, Olive, Black	.10", .14"	.035", .055"	.81", 2.0"	21
50398	4", 6", 8"	18 lb, 45 lb	500/canister	Black, Natural, Green Red, Yellow	.10", .14"	.035", .055", .055"	.81", 1.38", 2.0"	21
50098N	4", 6", 11"	18 lb, 45 lb	500/canister	Natural	.10", .14"	.035", .055", .055"	.81", 1.38", 3.0"	21
65001	4", 8", 11"	18 lb, 45 lb	650/canister	Black, Natural, Green, Red, Yellow	.10", .17"	.035", .055", .055"	.81", 2.0", 3.0"	21
10090WA	4", 8"	18 lb, 45 lb	200/tube	Green	.10", .14"	.035", .055"	.81", .2.0"	21
10095VDV	4", 8"	18 lb,75 lb	200/bag	Blue, Green, Yellow	.10", .18"	.035", .055"	.81", 2.0"	21
10097UVL	4", 8"	18 lb, 45 lb	200/tube	Black	.10", .14"	.035", .055"	.81", 2.0"	21
10098NL	4", 8"	18 lb, 45 lb	200/tube	Natural	.10", .14"	.035", .055"	.81", 2.0"	21
46-ACT	4", 8", 11"	18 lb, 75 lb	100/bag	Natural	.10", .17"	.035", .055", .055"	.81", 2.0", 3.0"	21
45-308FST	8"	75 lb	20/bag	Fluorescent Pink, Fluorescent Orange, Fluorescent Blue, Fluorescent Yellow, Fluorescent Green	.17"	.055"	2.0"	21
46-308FST	8"	75 lb	100/bag	Fluorescent Pink, Fluorescent Orange, Fluorescent Blue, Fluorescent Yellow, Fluorescent Green	.17"	.055"	2.0"	21
46-ACL	8"	75 lb	120/bag	Blue, Fluorescent Orange, Fluorescent, Green, Red, Yellow	.18"	.055"	2.0"	21

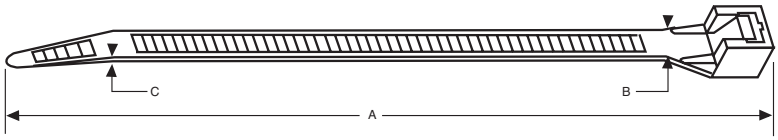


SPECIALTY CABLE TIES



SELF CUTTING CABLE TIES

- No tools required! Simply twist and tear.
- Durable stainless steel blade for a clean cut everytime.
- Patented design.
- Min/Max operating temperature 32° to 185°F (0° to 85°C).
- Multi-purpose use.



Part #	Length "A"	Tensile Strength	Pack Qty.	Color	Width (Inches) "B"	Thickness "C"	Bundle Diameter Max (Inches)
45-308SC	8"	50 lb	20/bag	Natural	.17"	.055"	2"
45-308UVBSC	8"	50 lb	20/bag	Black	.17"	.055"	2"
46-308SC	8"	50 lb	50/bag	Natural	.17"	.055"	2"
46-308UVBSC	8"	50 lb	50/bag	Black	.17"	.055"	2"
45-311SC	11"	50 lb	20/bag	Natural	.17"	.055"	3"
45-311UVBSC	11"	50 lb	20/bag	Black	.17"	.055"	3"
46-311SC	11"	50 lb	50/bag	Natural	.17"	.055"	3"
46-311UVBSC	11"	50 lb	50/bag	Black	.17"	.055"	3"
45-314SC	14"	50 lb	20/bag	Natural	.17"	.055"	4"
45-314UVBSC	14"	50 lb	20/bag	Black	.17"	.055"	4"
46-314SC	14"	50 lb	50/bag	Natural	.17"	.055"	4"
46-314UVBSC	14"	50 lb	50/bag	Black	.17"	.055"	4"

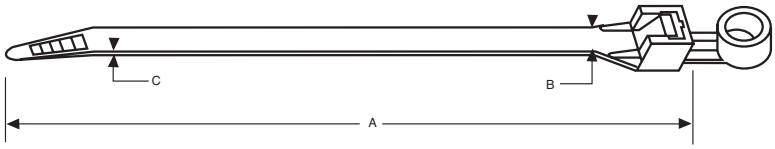


MOUNTING CABLE TIES

Secures bundles to walls, studs or other surfaces easily.

c UL us LISTED Type 21

- Accepts #10/5mm screws.
- Black ties are UV Resistant.
- Min/Max operating temperature -40° to 185°F (-40° to 85°C).



Part #	Length "A"	Tensile Strength	Pack Qty.	Color	Width (Inches) "B"	Thickness	Bundle Diameter Max (Inches)	UL Type	Mounting Style
45-308MT	8"	50 lb	20/bag	Natural	.17"	.05"	2"	21	Screw Mount
45-308MTG	8"	50 lb	15/bag	Grey	.17"	.05"	2"	21	Screw Mount
45-308MTUVB	8"	50 lb	15/bag	Black	.17"	.05"	2"	21	Screw Mount
48-308	8"	50 lb	100/bag	Natural	.17"	.05"	2"	21	Screw Mount
48-308UVB	8"	50 lb	100/bag	Black	.17"	.05"	2"	21	Screw Mount
46-111UVBM	11"	50 lb	100/bag	Black	.17"	.05"	3"	21	Screw Mount
48-114M	14"	120 lb	100/bag	Natural	.29"	.08"	4"	21	Screw Mount
48-214	14"	50 lb	100/bag	Natural	.17"	.05"	4"	21	Screw Mount
45-308PM	8"	50 lb	25/bag	Natural	.17"	.05"	2"		Push Mount
45-308PMUVB	8"	50 lb	25/bag	Black	.17"	.05"	2"		Push Mount



METAL PAWL CABLE TIES

- Metal Pawl ensures a firm and lasting closure.
- Stainless steel pawl design for infinite locking points on the body of the tie.
- Black ties are UV Resistant.
- Made from durable Nylon 6/6.
- Smooth notchless outside reduces stress under tension.

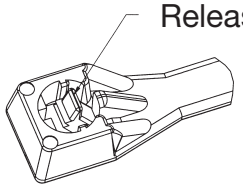
Part #	Length	Tensile Strength	Pack Qty.	Color	Width (Inches)	Thickness	Bundle Diameter Max (Inches)
46-308MP	7"	50 lb	20/bag	Natural	.17"	.055"	2"
46-308UVBMP	7"	50 lb	20/bag	Black	.17"	.055"	2"
46-310MP	11"	50 lb	10/bag	Natural	.19"	.055"	3"
46-310UVBMP	11"	50 lb	10/bag	Black	.19"	.055"	3"

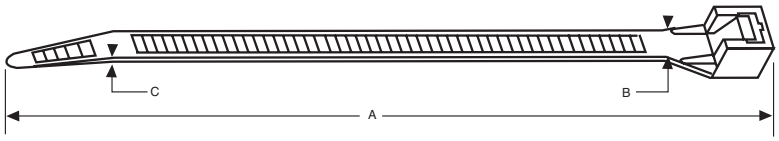


RELEASABLE CABLE TIES

- Extended releasable tab in the head makes for easy release and reusability.
- Great for temporary work or where frequent servicing is required.
- Black ties are UV Resistant.
- Min/Max operating temperature -40° to 185°F (40° to 85°C).

Releasable Tab





Part #	Length "A"	Tensile Strength	Pack Qty.	Color	Width (Inches) "B"	Thickness "C"	Bundle Diameter Max (Inches)
47-108	8"	50 lb	25/bag	Natural	.17"	.05"	1.75"
47-108UVB	8"	50 lb	25/bag	Black	.17"	.05"	1.75"
47-111	12"	50 lb	10/bag	Natural	.18"	.05"	3"
47-111UVB	12"	50 lb	10/bag	Black	.18"	.05"	3"
47-115UVB	15"	175 lb	4/bag	Black	.52"	.09"	4"
47-121UVB	21"	175 lb	3/bag	Black	.52"	.09"	6"
47-127UVB	28"	175 lb	3/bag	Black	.52"	.09"	8"



PLENUM CABLE TIES

- Multi-purpose heavy duty cable tie.
- Self-Extinguishing: If there is a fire plenum ties reduce the risk of a fire spreading and emit non-toxic fumes unlike standard cable ties.
- Min/Max operating temperature -40°F to 185°F (-40°C to 85°C)
- Ideal for HVAC applications.

c UL us LISTED

Part #	Length	Tensile Strength	Pack Qty.	Color
49-436P	36"	180 lb	4/bag	Natural
49-536P	36"	180 lb	25/bag	Natural
49-448P	48"	180 lb	4/bag	Natural
49-548P	48"	180 lb	25/bag	Natural







BEADED CABLE TIES

Finally, a re-usable cable tie that offers the heavy duty tensile strength you need. Easier than a twist tie, more versatile than a cable tie, and stronger than hook and loop fasteners.

- Releasable: Use & re-use. Beads lock and release through key-hole slots.
- Min/Max operating temperature 32° to 185°F (0° to 85°C).
- Adjustable: Bundle capacities from 1/4" to 7" diameters or string together for greater capacity.
- Secure: Bundle and secure with double lock through 2 convenient keyhole slots to bind, hook, and secure.
- Flexible: Bundle and create a loop to hang.
- Black ties are UV Resistant.

Part #	Length	Tensile Strength	Pack Qty.	Color
45-8BEADBK	8"	70	15/bag	Black
46-8BEADBK	8"	70	40/bag	Black
45-12BEADBK	12"	70	15/bag	Black
46-12BEADBK	12"	70	40/bag	Black
45-12BEADYW	12"	70	15/bag	Yellow
45-18BEADBK	18"	140	10/bag	Black
45-24BEADBK	24"	140	5/bag	Black



HOOK & LOOP CABLE TIES

- Reusable strip fastens wires and cables.
- Wrap excess around bundle – no waste.
- Great for home/office, tools and electronics.
- Cinch tab allows attachment to cable or cord.



Part #	Length	Tensile Strength	Pack Qty.	Color	Width (Inches)	Thickness	Bundle Diameter Max (Inches)
45-V8BKV	8"	N/A	5/bag	Black	.5"	.05"	2.25"
45-V8BKW	8"	N/A	5/bag	Black	.5"	.05"	2.25"
45-V15FBK	8"	N/A	50/bag	Black	.5"	.05"	2.25"
45-V11BKW	11"	N/A	5/bag	Black	.5"	.05"	3"





STAINLESS STEEL CABLE TIES

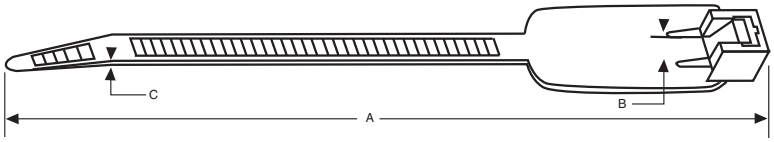
- 304 Stainless Steel design for harsh, corrosive, and salt-water environments.
- Resists chemicals and radiation exposure as well as enduring extreme temperatures.
- Stainless steel is great for clean environments such as food processing areas.
- Self-locking ball mechanism meets low insertion force requirements while maintaining high tensile strength.
- Operating temperature rated up to 572°F (300°C).

Part #	Length	Tensile Strength	Pack Qty.	Color	Width (Inches)	Thickness	Bundle Diameter Max (Inches)
45-306SS	6"	100 lb	10/bag	Stainless Steel	.18"	.010"	1.5"
45-312SS	11"	100 lb	10/bag	Stainless Steel	.18"	.010"	3.75"



ID CABLE TIES

- ID tab allows for easy wire/cable identification.
- For multi-purpose use.
- Min/Max operating temperature -40° to 185°F (-40° to 85°C).



Part #	Length "A"	Tensile Strength	Pack Qty.	Color	Width (Inches) "B"	Thickness "C"	Bundle Diameter Max (Inches)
45-308ID	8"	50 lb	25/bag	Natural	.17"	.055"	2"

TOOLS & ACCESSORIES



CTT-HD200

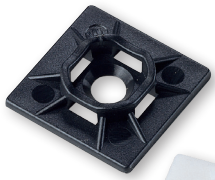
CABLE TIE TENSIONING TOOLS

CTT-45

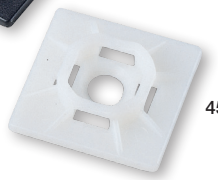
Tightens and cuts off cable ties.

- Quick twist snaps off excess length.
- Lightweight economical and Heavy-Duty version available.

Part #	Tension Strength	Pack Qty.	Color
CTT-45	75 lb	1/Card	Red
CTT-HD200	200 lb	1/Card	Red



45-MBUVB



45-MB

MOUNTING BASES & PUSH MOUNTS

- 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 insertion design for mounting flexibility.

Part #	Size	Pack Qty.	Color	Fits Widths Up To	Recommended Cable Tie Size
45-MB	1"x 1"	5/bag	Natural	.17"	18 lbs to 75 lbs
45-MBUVB	1"x 1"	5/bag	Black	.17"	18 lbs to 75 lbs
MB-20	1"x 1"	100/bag	Natural	.17"	18 lbs to 75 lbs
MB-20UVB	1"x 1"	100/bag	Black	.17"	18 lbs to 75 lbs
45-PMB	5/16" x 9/16"	10/clam	Natural	.21"	18 lbs to 75 lbs
45-PMBUVB	5/16" x 9/16"	10/clam	Black	.21"	18 lbs to 75 lbs



45-PMBUVB



45-PMB



STAPLES

Gardner Bender® provides a complete line of staple and fastening solutions for all industries, including industrial, residential, construction, or manufacturing. From low voltage wire to service entrance cables, professionals rely on Gardner Bender® for quality fastening products.

Electrical NM Staples
- Metal Electrical Staples 42
- Metal Insulated Staples 42
- Metal PVC Insulated Staples 42
- Plastic Electrical Staples 43

Service Entrance Staples
- Plastic & Metal Service Entrance Staples 43

Low Voltage Staples
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Specialty Staples
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Staple Tools/Accessories
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- Staple Gun Accessories - NM, Coax, Voice/Data, Low Voltage Staples 46

Application Chart 47













ELECTRICAL NM STAPLES

METAL ELECTRICAL STAPLES

MADE IN USA



MS-150

Secures and protects non-metallic (NM), BX, MC, AC and UF cable.

- Recessed head drives faster and protects cable insulation.
- Pointed legs drive in straight; will not split wood.
- Preferred length.
- Oil-Free for cleaner handling.
- Sharper tips for easy starting.

Dimensions Width X Length	Part #	Pack Qty.	Color
½" W X 1" L	**MS-1550T**	24/clam	Silver
	MS-1550TD	30/clam	Silver
	MS-1555	50/clam	Silver
	MS-150	100/box	Silver
	MS-150BX	150/box	Silver
	MS-500BX	500/box	Silver
	MS-500J	500/jar	Silver
	MS-550	500/box	Silver
	MS-1000C	1000/canister	Silver
	MS-950BU	10000/bucket	Silver
	MS-950B	5000/bucket	Silver

Dimensions Width X Length	Part #	Pack Qty.	Color
9/16" W x 1¼" L	**MS-1575T**	18/clam	Silver
	MS-1575TD	30/clam	Silver
	MS-1577	50/clam	Silver
	MS-175	100/box	Silver
	MS-175BX	150/box	Silver
	MS-450BX	450/box	Silver
	MS-450J	450/jar	Silver
	MS-575	500/box	Silver
	MS-975B	5000/bucket	Silver

METAL INSULATED STAPLES

MADE IN USA



MSI-1525XL

Secures and protects non-metallic (NM), BX, MC, AC and UF cable.

- Insulator made from durable polyethylene.
- Plastic insulator protects cables and helps prevent arc faults.



MSI-75



MSI-5310



MSI-1525XL

Dimensions (Width X Length X Height)	Part #	Pack Qty.	Color
½" W x 1½" L	**MSI-1525XL**	15/clam	Silver/Red
	MSI-50XL	50/box	Silver/Red
½" W x 1" L	**MSI-150**	100/box	Silver/Blue
	MSI-1525T	15/clam	Silver/Blue
	MSI-1525TD	25/clam	Silver/Blue
	MSI-200BX	200/box	Silver/Blue
	MSI-200JT	200/jar	Silver/Blue
	MSI-50B	50/bag	Silver/Blue
	MSI-550	500/box	Silver/Blue
	MSI-950B	4000/bucket	Silver/Blue

Dimensions (Width X Length X Height)	Part #	Pack Qty.	Color
13/16" W x 1 5/16" H	**MSI-5310**	50/box	Silver/Gray
9/16" W X 1⅛" L	**MSI-1575TD**	20/clam	Silver/Tan
	MSI-175BX	175/box	Silver/Tan
	MSI-75	50/bag	Silver/Tan
	MSI-75BX	100/box	Silver/Tan

METAL PVC INSULATED STAPLES (DIPPED)



MDI-150Y

Secures and protects non-metallic (NM), BX, MC, AC and UF cable.

- Insulator made from durable polyethylene.
- Plastic insulator protects cables and helps prevents shorting.

Dimensions (Width X Length X Height)	Part #	Pack Qty.	Color
½" W x 1" L	**MDI-150Y**	100/box	Gray/Silver
	MDI-1550Y	40/clam	Gray/Silver





PS-150Z

PLASTIC ELECTRICAL STAPLES

Secures and protects non-metallic (NM), BX, MC, AC and UF cable.

- 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.
- UV-resistant polyethylene saddles will not rust, rot or deteriorate.
- Assembled in USA/Packaged.

Dimensions (Width X Length X Height)	Part #	Pack Qty.	Color	Application
½" W x 3/16" H	**PS-150**	100/box	White	Wood
	PS-150Z	100/bag	White	Wood
	PS-1550T	15/clam	White	Wood
	PS-1550TD	25/clam	White	Wood
	PS-225BG	225/bag	White	Wood
	PS-225J	225/jar	White	Wood
	PS-225JM	225/jar	White	Masonry
	PS-225MBG	225/bag	White	Masonry
	PS-250N	250/bag	White	Wood
	PS-50	50/bag	White	Wood
	PS-50M	50/bag	White	Masonry
	PS-550	500/box	White	Wood
	PS-750B	2000/bucket	White	Wood
	PS-750BR	30000/barrel	White	Wood
	PSM-1550T	25/clam	White	Masonry

Dimensions (Width X Length X Height)	Part #	Pack Qty.	Color	Application
¾" W x 3/16" H	**PS-175**	100/box	White	Wood
	PS-1575T2	15/clam	White	Wood
	PS-1575TD	20/clam	White	Wood
	PS-175BG	175/bag	White	Wood
	PS-175J	175/jar	White	Wood
	PS-175JM	175/jar	White	Masonry
	PS-175ZN	100/bag	White	Wood
	PS-275N	250/bag	White	Wood
	PS-575	500/box	White	Wood
	PS-75	50/bag	White	Wood
	PS-75M	50/bag	White	Masonry
	PS-175BR	22,500/barrel	White	Wood



GSE-304



GSE-105

SERVICE ENTRANCE STAPLES

PLASTIC & METAL SERVICE ENTRANCE STAPLES

Plastic

Plastic insulated straps quickly and easily secure service entrance cable.

- Electro-zinc plated nails provide strength and durability.
- Polyethylene straps stabilized against UV rays and extreme cold; withstand deterioration and breakage.
- Assembled in USA/Packaged.

Metal

Secures service entrance cables.

- Pointed offset legs drive in straight.
- Will not split wood.



GSE-5310

Dimensions (Width X Length X Height)	Part #	Pack Qty.	Application	Staple Type
1⅛" W x 1½" L	**GSE-15410**	10/clam	4/3 and 2/3 SE	Metal
	GSE-410	100/box	4/3 and 2/3 SE	Metal
	GSE-4310	25/box	4/3 and 2/3 SE	Metal
1⅝" W x 2⅛" L	**GSE-710**	100/box	#4/0 SE	Metal
13/16" W x 1⅜" L	**GSE-15310**	10/clam	#6/3 SEU	Metal
	GSE-310	100/box	#6/3 SEU	Metal
	GSE-5310	25/box	#6/3 SEU	Metal
1½" W x ⅞" H	**GSE-402**	2/clam	#4/0 SEU	Plastic
15/16" W x ½" H	**GSE-205**	5/clam	#2 SEU	Plastic
	GSE-215	10/box	#2 SEU	Plastic
	GSE-250	50/box	#2 SEU	Plastic

Dimensions (Width X Length X Height)	Part #	Pack Qty.	Application	Staple Type
15/16" W x 15/16" H	**GSE-304**	4/clam	#2 SER	Plastic
	GSE-314	10/box	#2 SER	Plastic
	GSE-330	30/box	#2 SER	Plastic
¾" W x 11/16" H	**GSE-505**	5/clam	#6 SER	Plastic
	GSE-515	10/box	#6 SER	Plastic
¾" wide x 7/16" H	**GSE-105**	5/clam	#6 SEU	Plastic
	GSE-115	10/box	#6 SEU	Plastic
	GSE-170	70/box	#6 SEU	Plastic

LOW VOLTAGE STAPLES



PTP-100

UV RESISTANT

DATACOM

Secures Category 3 and Category 5 wire.

- UV-resistant polyethylene saddles will not rust, rot or deteriorate.
- Zinc-plated nails resist rust and corrosion.
- ¼" wide opening.

Dimensions (Width X Height & Diameter)	Part #	Pack Qty	Color	Application
¼" dia.	**PTM-25**	25/clam	Blue	Masonry
	PTP-25T	25/clam	Blue	Wood
	PTP-325	50/clam	Blue	Wood
	PTP-100	100/bag	Blue	Wood
	PTP-100M	100/bag	Blue	Masonry
	PTP-250BG	300/bag	Blue	Wood



PCC-300MBG

UV RESISTANT

COAX

Secures RG-59, RG-6 and RG6QS (quad shield) coaxial cables.

- UV-resistant polyethylene saddle.
- For indoor and outdoor applications.
- Zinc-plated nails resist rust and corrosion.

Dimensions (Diameter)	Part #	Pack Qty.	Color	Application
¼" dia.	**PCC-1525**	25/clam	Black	Wood
	PCS-1525	25/clam	Black	Masonry
	PSB-1650T	25/clam	Black	Wood
	PSR-25	25/clam	Black	Wood
	PSW-1650T	25/clam	White	Wood
	PCS-1600T	25/clam	Black	Masonry
	PCS-3600	50/clam	Black	Masonry
	PSB-165	50/clam	Black	Wood
	PSW-165	50/clam	White	Wood
	PSW-3650	50/clam	White	Wood
	PSW-100	100/clam	White	Wood
	PCS-100B	100/bag	Black	Masonry
	PSB-100B	100/bag	Black	Wood
	PSB-100M	100/bag	Black	Masonry
	PSW-100B	100/bag	White	Wood
	PSW-100M	100/bag	White	Masonry

Dimensions (Diameter)	Part #	Pack Qty.	Color	Application
¼" dia.	**PCS-100**	100/box	Black	Masonry
	PSB-100	100/box	Black	Wood
	PSW-200BG	200/bag	White	Wood
	PCS-200BG	200/bag	Black	Masonry
	PCC-300BG	300/bag	Black	Wood
	PCC-300MBG	300/bag	Black	Masonry
	PCC-300M	300/jar	Black	Masonry
7/16" dia.	**PR-50**	50/bag	White	Wood
	PSG-100	100/box	Gray	Wood
	PSG-15	15/clam	Gray	Wood
dual ¼" dia.	**PDC-1525BT**	25/clam	Black	Masonry
	PDS-1525B	25/clam	Black	Wood



PSW-165



PSG-15



PDC-1525BT



PDS-1525B



PSW-1600T



PSR-25L





PSW-1525

UV RESISTANT

PHONE/SPEAKER

Secures bell, speaker, thermostat and telephone wire.

- For inside and outside applications.
- UV-resistant polyethylene saddles will not rust, rot or deteriorate.
- Zinc-plated nails resist rust and corrosion.

Dimensions (Width X Height & Diameter)	Part #	Pack Qty	Color	Application
¼" W x 3/16" H	**PWS-1525**	25/clam	White	Wood
⅛" dia	**MSB-1540**	40/clam	Brown	Wood
	MSW-1540	40/clam	White	Wood
3/16" W x ⅛" H	**PMB-1525**	25/clam	Black	Wood
	PMC-1525WT	25/clam	White	Masonry
	PMW-100B	100/bag	White	Wood
	PSB-160	100/clam	Black	Wood
	PSB-1600T	25/clam	Black	Wood
	PSW-160	100/clam	White	Wood
	PSW-1600T	25/clam	White	Wood

SPECIALTY STAPLES

MADE IN USA



GCC-106

UV RESISTANT

CONDUIT 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.

Dimensions (Width X Length X H)	Part #	Application	Pack Qty.	Color
.840" dia.	**GCC-120**	½" conduit	20/bag	Gray
1.050" dia.	**GCC-220**	¾" conduit	20/bag	Gray
1.315" dia.	**GCC-310**	1" conduit	10/bag	Gray
1.660" dia.	**GCC-410**	1 ¼" conduit	10/bag	Gray
1.990" dia.	**GCC-510**	1 ½" conduit	10/bag	Gray
2.375" dia.	**GCC-610**	2" conduit	10/bag	Gray



MCS-20W

MULTI-CABLE

Organizes and secures multiple cable runs on a stud.

- Secures NM/Romex®, coaxial and CAT 5 all on the same staple.
- Snap lock gate quickly and easily secures all cables.
- Self-centering tab guides perfect placement on the stud.
- Secures with a nail or staple for wood studs, a screw for metal studs.

Dimensions (Width X Length X H)	Product #	Pack Qty.	Color	Application
15/16" W x 1¾" H	**MCS-100W**	100/bag	Red	Multi-Cable
	MCS-20W	20/bag	Red	Multi-Cable

STAPLE TOOLS/ACCESSORIES



MSG-301

LOW VOLTAGE STAPLE GUN

- Heavy-duty stainless steel design.
- Safety handle for compact storage.
- Staples cover wide range of wire applications.
- Easy loading.

Part #	Pack Qty.	Color
MSG-301	1/clam	Silver



MSS-3102

STAPLE GUN ACCESSORIES (MSG-301) - LOW VOLTAGE STAPLES

Intended for use with Gardner Bender® low-volt staple gun

- Use MMS-3101 to secure telephone, alarm, security, doorbell, and speaker cable/wire.
- Use MMS-3102 to secure TV, datacom, CAT 5E, CAT 6 and RG-59 cable/wire.

Dimensions (Diameter)	Part #	Pack Qty.	Color
¼" dia.	**MMS-3101**	625/box	Silver
	MMS-3102	625/box	Silver



MSG-501

CABLE BOSS MULTIPURPOSE STAPLE GUN

- Secures 120V & low-volt cable: Romex®, Coaxial & CAT 5 from the same tool.
- Comfort grip areas for 2-handed operation.
- Easy trigger force.
- Ergonomic handle.
- Secures round and flat cable.
- 3 sizes covering: NM, Coax, Voice/Data, Low Volt.

Part #	Pack Qty.	Color
MSG-501	1/clam	Red/Black
MSG-501B	1/clam	Black



MPS-2080

STAPLE GUN ACCESSORIES - (MSG-501/501B) NM, COAX, VOICE/DATA, LOW VOLTAGE STAPLES

Specially designed for Cable Boss Staple Gun

- 3 sizes of staples covering: NM, Coax, Voice/Date, and Low Voltage.
- Barbed leg design for superior holding power.
- Insulated Staple protects cable jacket.

Dimensions (Width X Length)	Part #	Pack Qty.	Color
5/16" x ¼"	**MPS-2080**	250/box	Blue
⅜" x ¼"	**MPS-2100**	200/box	White
½" x ¼"	**MPS-2125**	200/box	Black



APPLICATION CHART

STAPLE QUICK REFERENCE GUIDE -
REFER TO CATALOG FOR PART NUMBERS AND SPECS

	Staple Type	Dimensions or Diameter	Pack Sizes**	Color	Applications	Wood or Masonry
Metal Staples	Standard Metal (20 items)	1/2" x 1"	24, 30,50, 100, 150, 500, 1000, 5000, 10000	Silver	Non-Metallic - BX, MC, AC, UF	Wood
		9/16" x 1-1/4"	18, 30, 50, 100, 150, 450, 500, 5000	Silver	Non-Metallic - BX, MC, AC, UF	Wood
	Service Entrance Rated (7 items)	1-1/8" x 1-1/2", 1-5/8" x 2-1/8", 13/16" x 1-3/8"	10, 25, 100	Silver	4/3 and 2/3 SE, #4/0 SE, #6/3 SEU,	Wood
	Metal Insulated Staples (15 items)	1/2" x 1-1/2", 1/2" x 1", 13/16" x 1-5/16", 9/16" x 1-1/8"	15, 20, 25, 50, 100, 175, 200, 500, 4000	Red, Blue, Gray, Tan Insulation	Non-Metallic - BX, MC, AC, UF	Wood
	Metal PVC Insulated Staples - Dipped (2 items)	1/2" x 1"	40, 100	Gray Dipped	Non-Metallic - BX, MC, AC, UF	Wood
Plastic Staples	Standard Plastic (27 items)	1/2" x 3/16", 3/4" x 3/16"	15, 20, 25, 50, 100, 175, 225, 250, 500, 2000, 22500, 30000	White	Non-Metallic - BX, MC, AC, UF	Both*
	Service Entrance Rated (12 items)	1-1/2" x 7/8", 15/16" x 1/2", 15/16" x 15/16", 3/4" x 11/16", 3/4" x 7/16"	2, 4, 5, 10, 30,50, 70	Gray	#4/0 SEU, #2 SEU, #2 SER, #6 SER, #6 SEU	Wood
Low Voltage Staples	Datacom (6 items)	1/4"	25, 50, 100, 300	Blue	Category 3 and 5	Both*
	Coax (28 items)	1/4", 7/16", 1/4"(dual)	15, 25, 50, 100, 200, 300	Black, White, Gray	RG-59, RG-6, RG6QS (quad-shield)	Both*
	Phone/Speaker (10 items)	1/8" x 3/16", 3/16" x 1/8", 1/8" (diameter)	25, 40, 100	Black, White, Brown	Bell, Speaker, Thermostat, Telecommunications	Both*
Specialty	Conduit Straps (6 items)	.840", 1.050", 1.315", 1.660", 1.990", 2.375"	10, 20	Gray	Conduit	Wood
	Multi-cable (2 items)	15/16" x 1-3/4"	20, 200	Red	Multi-Cable - NM, coaxial, CAT5	Wood

*Both wood and masonry are available for this type of staple.
** Not all dimensions/color are available in every pack size mentioned.

MADE IN THE USA

Originally known as Palmer Staples in DePere, WI, founded by Dick Palmer in the late 1950's. Palmer would then go on to invent the insulated plastic staple that is still used today. In 1986 Bud Thoen sold Douglas Machine and retained Palmer Industries as a separate business. Products were then produced and distributed under the 'Palmer' Brand. In 1993 Palmer Industries was sold to Gardner Bender, GB co-branded the staples as GB and Palmer. The co-branding was eventually phased out and all products are now sold under the GB brand. All Gardner Bender staples are now sold in national retail home centers, hardware stores and professional distributors across the United States, Canada and Latin America. GB manufactures over 1.6 billion staples annually for its customers and end users.





NOTES



WIRE MANAGMENT

When wires become entangled they are safety hazards, for both the equipment and the owner. Gardner Bender® offers a variety of products for protection and neatness. As the needs of professional electricians change in managing wire and cable, Gardner Bender® continues to deliver innovative solutions.

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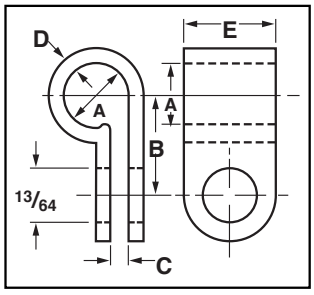
CLIPS AND CLAMPS

PLASTIC CABLE CLAMPS



PPC-1538



Polypropylene clamps hold 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° to 340°F (-54° to 170°C).
- Clean, smooth edges for easy handling.
- Fast installation.

Part #	Pack Qty.	A Dia.	B	C	D	E width	Color
PPC-1525	18/bag	1/4"	25/64"	1/32"	3/64"	3/8"	Natural
PPC-1525UVB	18/bag	1/4"	25/64"	1/32"	3/64"	3/8"	Black
PPC-1538	15/bag	3/8"	31/64"	1/32"	3/64"	3/8"	Natural
PPC-1538UVB	15/bag	3/8"	31/64"	1/32"	3/64"	3/8"	Black
PPC-1550	12/bag	1/2"	35/64"	3/64"	3/64"	3/8"	Natural
PPC-1550UVB	12/bag	1/2"	35/64"	3/64"	3/64"	3/8"	Black
PPC-1575	6/bag	3/4"	39/64"	3/32"	3/64"	1/2"	Natural
PPC-1575UVB	6/bag	3/4"	39/64"	3/32"	3/64"	1/2"	Black
PPC-1600	4/bag	1"	51/64"	3/32"	3/64"	1/2"	Natural
PPC-1600UVB	4/bag	1"	51/64"	3/32"	3/64"	1/2"	Black

PLASTIC CORD CLIPS



PPC-1525UVB

Organize speaker wire, holiday lights, computer and lamps cords.

- Extra wide spring arm and reinforced stress points add strength and durability.
- Pre-applied adhesive base for easy installation.

Part #	Pack Qty.	Size	Color
PCC-1519	5/clam	3/16"	Natural
PCC-1525UVB	5/clam	1/4"	Black
PCC-1538	5/clam	3/8"	Natural
PCC-1538UVB	5/clam	3/8"	Black
GWC-1510	10/card	5/16" x 1/8"	Natural

PLASTIC KWIK CLIPS



GKK-1500

GKK-1538UVB

Mount Bundles, cables, cords, tools etc. to drywall, wood and painted surfaces.

- Ratcheting/releasable feature allows adjustment to a range of bundle diameters.
- Pre-applied adhesive base for easy installation.

Part #	Pack Qty.	Size	Color
GKK-1538	6/card	3/8"	Natural
GKK-1538UVB	6/card	3/8"	Black
GKK-1550	4/card	1/2"	Natural
GKK-1575	2/card	3/4"	Natural
GWC-1510	10/card	5/16" x 1/8"	Natural



PPR-1550

RUBBER INSULATED CABLE CLAMPS

Secures wire and cable in industrial, auto/marine and where vibrations may occur.

- Corrosive-resistant plated steel clamp.
- Flexible 1/2" wide body.
- Secure with 1/4" screw.
- XTM are stainless steel.

Part #	Pack Qty.	Size
PPR-1550	2/bag	1/2"
PPR-1558	2/bag	5/8"
PPR-1575	2/bag	3/4"
PPR-1600	1/bag	1"
XTM-401	2/clam	3/8"
XTM-405	2/clam	1/2"

XTM-401 and XTM-405 are GBXtreme® *products.*



PAW-1550L1

EZ-CABLE CLIPS

EZ-Cable Clips are designed to secure low voltage cables and tubing.

- Flexible to accomodate different cable sizes.
- Made from aluminum, will not rust, crack or deteriorate.

Part #	Pack Qty.	Size	Color
PAW-1525L1	15/clam	1/4"	White
PAW-1550L1	15/clam	1/2"	White
PAC-1525	15/clam	1/4"	White
PAC-1550	15/clam	1/2"	White



PEC-31535

COAXIAL CABLE CLAMPS

Coaxial cable clamps with screws to help secure cable.

- Secures RG-59, RG-6, coaxial and more.
- Combo screw for safer installs.
- Screw-in depth 1/2".

Part #	Pack Qty.	Type	Size	Color
PEC-31525	20/bag	RG-6	1/4"	Black
PEC-31525WA	20/clam	RG-6 - Includes Wall Anchor	1/4"	Black

CORD AND WIRE ORGANIZATION

MULTI-SLOT CORD CLIPS



GCC-003

Cable clips with multiple slots to help manage cords, wires and cables.

- Adhesive backed.
- Locking jaw.

Part #	Decription	Pack Qty.	# of Slots	Color
GCC-001	Single Hole Cord Clips; 3/Bag, 10Bags/Master	3/bag	1	Black
GCC-003	3 Hole Cord Clips; 3/Bag, 10Bags/Master	3/bag	3	Black
GCC-006	6 Hole Cord Clips; 3/Bag, 10Bags/Master	3/bag	6	Black
GCC-AST	1, 3, and 6 Hole Cord Clips; 3 Pairs/Bag, 10Bags/Master	3/bag	1, 3, 6	Black

FLEX TUBING



FLX-3810B

Protects hoses, wire and cables from cuts, abrasions and UV wear.

- Excellent for managing cords for electronics, under hood or trailer wiring.
- Corrugated for added flexibility.
- Split down the center for wire breakout where needed.

* Flame retardant, self-extinguishing split loom permits flexible routing of cable harnesses while providing an extra layer of abrasion protection for wire and cable.

XTM-450 is a GBXtreme® *product.*

Part #	Length	Inside Diameter	Color
FLX-1005B	5'	1"	Black
FLX-1005BG	5'	1"	Beige
FLX-1007GRT	5'	1"	Gray
FLX-1005W	5'	1"	White
FLX-757GR	5'	3/4"	Gray
FLX-3406B	6'	3/4"	Black
FLX-3406BG	6'	3/4"	Beige
FLX-3406W	6'	3/4"	White
FLX-5007T	7'	1/2"	Black
FLX-5008BG	8'	1/2"	Beige
FLX-5008W	8'	1/2"	White
FLX-3810BG	10'	3/8"	Beige
FLX-3810T	10'	3/8"	Black
FLX-3810W	10'	3/8"	White
FLX-538C10	10'	3/8" - 1/2"	Black
XTM-450*	10'	3/8"	Black
FLX-1050B	50'	1"	Black
FLX-3410B	100'	3/4"	Black
FLX-5010B	100'	1/2"	Black
FLX-5007TB	150'	1/2"	Black
FLX-3820B	200'	3/8"	Black
FLX-0125BB	250'	1 1/4"	Black
FLX-2525B	250'	1/4"	Black
FLX-3810TB	270'	3/8"	Black
FLX-0034BB	550'	3/4"	Black
FLX-0050BB	1100'	1/2"	Black
FLX-1500	1500'	3/4"	Black
FLX-0038BB	1900'	3/8"	Black
FLX-2500	2500'	1/4"	Black
FLX-0025BB	3200'	1/4"	Black



CABLE WRAPTOR™

Simple patented design, endless solutions.



- "T" handle feature allows for easy carrying from one job to the next.
- Large hang hole is perfect to store and hang.
- Easy release trigger.
- Large teeth design for secure locking system.
- Stainless steel hinge and spring to prevent rusting.
- Cable tie lobing hole for permanent attachment.
- Spring-loaded hinge helps close tail.





Part #	Pack Qty	Size	Bundle Dia. Max	Color
CW-MULTI-1L2M3S	6/card	Small, Medium, Large	1 1/8" - 4"	Black/Red
CW-T1RR50	50/box	Small	1 1/8"	Black/Red
CW-T2R2	75/box	Medium	2"	Black/Red
CW-T2RR10	10/box	Medium	2"	Black/Red
CW-T2RR25	25/box	Medium	2"	Black/Red
CW-T2RR25R	25/box	Medium	2"	Black/Red
CW-T3R	50/box	Large	3"	Black/Red
CW-T3RR10	10/box	Large	3"	Black/Red
CW-T3RR25	25/box	Large	3"	Black/Red
CW-T3RR25R	25/box	Large	3"	Black/Red
CW-T4R1C	1/card	X-Large	4"	Black/Red
CW-T4RR10	10/box	X-Large	4"	Black/Red
CW-T4RR20	20/box	X-Large	4"	Black/Red
CW-T4RR20R	20/box	X-Large	4"	Black/Red

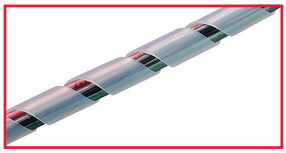
SPIRAL WRAP

Manages wire and cable neatly and allows for cable to break out at desired locations.



FSP-AST2

- Made from flexible polyethylene.
- Protects cables from cuts, abrasions and UV wear.



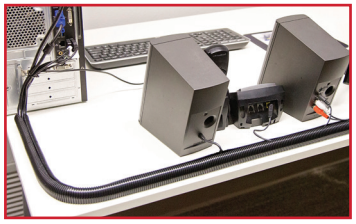
Part #	Pack Qty	Inside Diameter	Length
FSP-AST2	2/bag	1/8" and 3/8"	4'
FSP-BLACKTC	2/bag	1/2"	3 1/2'
FSP-CLEART	2/bag	1/2"	3 1/2'
FSP-CLEARTC	2/bag	1/2"	3 1/2'

GRIP STRIP

This flexible raceway tubing has an adhesive back that can stick to nearly any surface helping you organize that tangled mess of cords. It is the perfect wire management product for any office, and requires absolutely no tools to set up.



FLX-7504GSB



- No tools required for set up.
- Paintable material to match room décor.
- Flexible Split tubing with self-adhering back for wire & cable control.
- Bendable around corners and sharp degree turns.
- Easy removal and clean-up.

Part #	Dia.	Length	Color
FLX-7504GSB	3/4"	4'	White
FLX-7510GSB	3/4"	10'	Black
FLX-7510GSW	3/4"	10'	White
FLX-7525GSB	3/4"	25'	Black

TAPE

ELECTRICAL TAPE



GTP-607P



GTPC-550

Quality electrical tape designed for general purpose electrical applications.

- Made from low-lead PVC material.
- For applications up to 600V.
- Temp rating up to 176°F (80°C).

Part #	Pack Qty	Sleeve Qty	Width	Length	Color
GTP-307	1/roll	10/sleeve	3/4"	30'	Black
GTP-307D	1/card	-	3/4"	30'	Black
GTP-307WD*	1/card	-	3/4"	30'	Black
GTP-607	1/roll	10/sleeve	3/4"	60'	Black
GTP-607P	1/roll	-	3/4"	60'	Black
GTB-667	1/roll	-	3/4"	66'	Blue
GTB-667P	1/puck	-	3/4"	66'	Blue
GTG-667P	1/puck	-	3/4"	66'	Green
GTN-667P	1/puck	-	3/4"	66'	Brown
GTO-667P	1/puck	-	3/4"	66'	Orange
GTR-667P	1/puck	-	3/4"	66'	Red
GTV-667P	1/puck	-	3/4"	66'	Violet
GTW-667P	1/puck	-	3/4"	66'	White
GTY-667P	1/puck	-	3/4"	66'	Yellow
GTPB-550	5/clam	-	1/2"	20'	Black
GTPC-550	5/clam	-	1/2"	20'	Assorted(Red, White, Blue, Green, Yellow)
GTPR-575	5/clam	-	3/4"	12'	Assorted(Red, White, Blue, Green, Yellow)

*All Weather Tape

HEAVY DUTY TAPE



GTP-3366

Our new Heavy Duty tape with greater adhesive strength than our commercial tape, the Heavy Duty tape can withstand the harsh application and weather conditions.

- Highly Resistant to Sun, Water, Oil, Acids, Alkalies, and Corrosive Chemicals.

Part #	Description
GTP-3366	Tape, 33 Series Vinyl Electrical Tape, Black, ¾"X66',
GTP-766	Tape, 700 Series Vinyl Electrical Tape, Black, 3/4" X 66'
GTP-8866	Tape, 88 Series Vinyl Electrical Tape, Black, ¾"X66', 8.5mil

FRICTION TAPE



GTF-600

Black friction tape with matted finish, available in two lengths.

- Matted finish provides the best gripping surface available.
- Use over lectrical splices, wrapping grips or sporting goods.
- Available in two lengths: 30' or 60'.

Part #	Pack Qty	Width	Length	Color
GTF-300	1/roll	3/4"	30'	Black
GTF-600	1/roll	3/4"	60'	Black

SELF SEALING TAPE



RTP-3422

High quality tape to insulate many conductor shapes.

- Insulates and seals surfaces.
- Fuses to itself during application to stay watertight.
- Silicone Tape provides permanent mold in 24 hrs, or in min. with application of heat.

Part #	Pack Qty	Material	Max Voltage	Width	Length	Color
RTP-3422	1/roll	Rubber	600V	3/4"	22'	Black



HTP-1036BLK







REPAIR TAPE

Repair Tape fuses only to itself when applied under tension.
No sticky residue remains on wrapped surfaces.

- Operates and remains flexible from -60° to 500°F(-51° to 260°C).
- Stretches up to 300% of its original length with 60 ppi tear strength.
- A permanent air and water tight seal, Repair Tape has excellent UV Resistance.
- Repair Tape begins to bond immediately on contact with itself.

Part #	Pack Qty	Width	Length	Color
HTP-1010	1/card	1"	10'	Black
HTP-1010BLU	1/card	1"	10'	Blue
HTP-1010CLR	1/card	1"	10'	Clear
HTP-1010GRN	1/card	1"	10'	Green
HTP-1010GRY	1/card	1"	10'	Gray
HTP-1010RED	1/card	1"	10'	Red
HTP-1010WHT	1/card	1"	10'	White
HTP-1010YLW	1/card	1"	10'	Yellow
HTP-1036BLK	1/card	1"	36'	Black



LTB-400

LIQUID & SPRAY TAPE

A liquid coating used to insulate and protect electrical splices and connections.

- Waterproof, will not unravel or deteriorate like traditional tape.
- Great for home, auto/marine, indoor/outdoor use and electrical applications.
- Brush-on applicator included.

Part #	Pack Qty.	Color
LTB-400	1/clam	Black
LTG-400	1/clam	Green
LTR-400	1/clam	Red
LTW-400	1/clam	White
LTS-400*	6oz/can	Black

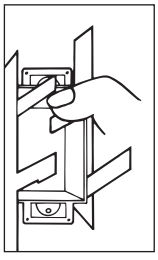
*Contained in aeresol canister.

WIRE MANAGEMENT ACCESSORIES

BOX SUPPORTS



800



- Screwless support for ease of use.
- Saves time for installing outlet or switch boxes by:
  1. Mark corners of box position and drill four ½" holes.
  2. Saw between holes to make box opening.
  3. Place box into opening. Slip box supports into openings alongside box; one with long end up, the other down.
  4. Bend fingers of box supports into box while firmly pressing box against wall.

Part #	Pack Qty.	Decription	Color
800	25 sets/box	Box Support Set	Silver



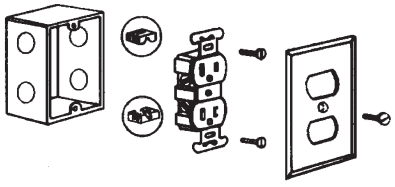
GSP-04

SPACERS

Adjusts length of receptacle or switches for proper fit of face plates.

- Four-inch stack of spacers twists apart easily for desired thickness.
- Self-extinguishing.

Part #	Pack Qty.	Description	Color
GSP-04	4 strips of 8 spacers/bag	Outlet Spacers	Neon Green
GSP-24	24 strips of 8 spacers/bag	Outlet Spacers	Neon Green
GSP-500	500 strips of 8 spacers/box	Outlet Spacers	Neon Green





DS-130

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.
- No Silicone.
- 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(-29°C). Will not slump after 1 hr. at 350°F(175°C).
  - Flash Point: Over 550°F(285°C).
  - Other Properties: Non-conducting, non-deteriorating, non-toxic, non-corrosive, non-staining, non-curable; 99% solid, coil-based.

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Part #	Pack Qty.	Description	Color
DS-110N	10 pugs	1 lb pugs	Gray
DS-130	30 pugs	1 lb pugs	Gray
DS-530	6 pugs	5 lb pugs	Gray



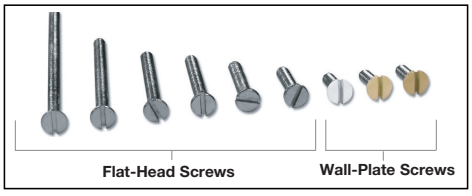
SK-832WP

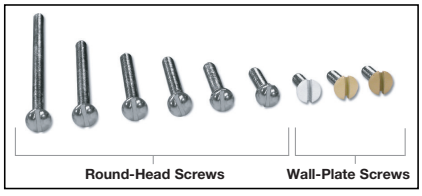
SCREW KIT

Assorted sizes & lengths of commonly used electrical machine screws.

- Slotted round-head screws for switches, receptacles and outlet appications.
- Slotted flat-head screws for all-purpose electrical fastening.

Part #	Pack Qty.	Type	Color
14-WPI	10/card	Wall Plate Screws	Ivory
14-WPW	10/card	Wall Plate Screws	White
SK-632T	120/kit	Flat Head 6-32 Phillips Machine Screws	
SK-632WP	260/kit	Flat and Oval Head 6-32 Slotted Machine Screws	
SK-832T	120/kit	Phillips Head 8-32 Electricians Screws	
SK-832WP	135/kit	Slotted Head 8-32 Electricians Screws	





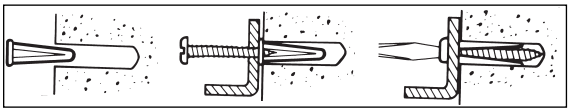


PLASTIC CONICAL ANCHOR KIT

Perfect multi-purpose kit for professionals and end-users.

- Tapered end for easy installation.
- Flanged ribs prevent turning or twisting in hole.
- Carbide drill bit included with each kit.

Part #	Size	Pack Qty.	Color
AP4-K100	100 Screws/Anchors	Plastic Anchor Screw Kit w/1/4" Carbide Drill Bit	Red/Sliver





GHS-1510

GALVANIZED HANGER STRAP

For hanging or fastening conduit, pipe or cables.

- Flexible for easy use.
- Suitable for a variety of plumbing and HVAC applications.
- Helps prevent vents from sinking over long runs.

Part #	Pack Qty.	Size
GHS-1510	1/card	10' x 3/4" x 26 gauge



ERB-UG

ERB-WS

GMT-BK

ELECTRICAL REFERENCE BOOKS

Reference books that outline safe wiring recommendations based on the National Electrical Code.

Part #	Pack Qty.	Decription
ERB-UG	1/bag	Ugly's Electrical References - Revised 2017 Edition. A quick, on-the-job reference guide for the most commonly required information in an easy-to-read format.
GMT-BK	1/bag	Wiring Simplified 45th Edition. A comprehensive book that translates the NEC rules into easy-to-understand explanations on how to complete safe wiring installs in homes.
ERB-WS	1/bag	Multimeter Handbook. Make Measurements and solve electrical problems around the home, in the workshop, at the office, and on the job.



GWM-AST

U-PHASE™ WIRE MARKER

The U-phase™ is perfect for phasing of electrical panels, color coding, identifying and wiring circuits, marking computer cables and countless other applications making it an essential tool for any electrican.

- Valve activated tip keeps paint fresh.
- Marking Temp Range: 0° to 110°F (-18° to 44°C).
- Small lightweight marker design allows for easy storage.
- Marks up to #6 AWG wire with highly visible quick-drying permanent paint.

Part #	Decription	Pack Qty.	Color
GWM-AST	U-phase™ Wire Marker, 13 ml colored paint	4/card	Blue/Green/White/Red



GHG-1550

GROMMETS

Offers protection from to wires in passing through drilled holes.

- Prevents sharp edges from cutting or fraying wire.
- Made from rubberized material.

Part #	Pack Qty.	Color	Size
GHG-1525	6/Cd	Black	1/4"
GHG-1538	5/Cd	Black	3/8"
GHG-1550	4/Cd	Black	1/2"
GHG-1575	3/Cd	Black	3/4"
GHG-AST	8/Clam	Black	1/4" - 3/4"



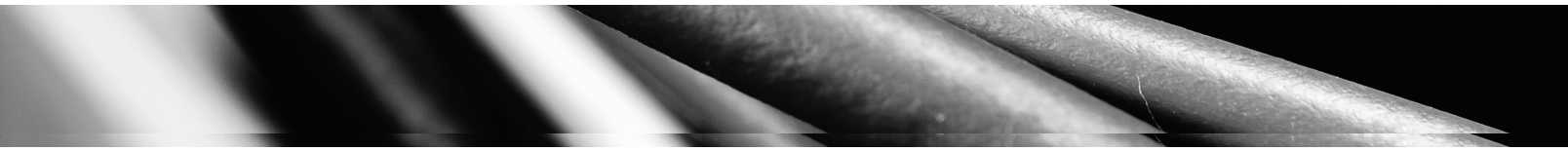
FP159-3

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 #	Pack Qty.	Color	Size
FP159-3	100/Box	Silver	1 1/2" x 3" x 16 gauge Metal Safety Plate
FP159-6	50/Box	Silver	1 1/2" x 6" x 16 gauge Metal Safety Plate





GHSB-300

BUTANE POCKET TORCH

Used to heat shrink tubes and terminals.

- Contains butane refill.
- Includes child safety lock.

Part #	Pack Qty.	Operating Temp	Refill Size
GHSB-300	1/clam	2370°F	2.68 oz/can



HWT-0722

HEAVY-WALL HEAT SHRINK TUBING

Provides maximum reliability for insulating and protecting wire, cables and terminations.

- High impact, abrasion and corrosion resistance.
- Submersible and great for direct burial installations.
- Inner adhesive bonds to plastics, rubber, neoprene, steel, polyethylene.
- Continuous operating temperature: -55 ˚C (-67 ˚F) - 125 ˚C (257 ˚F).

Part #	Pack Qty.	Inside Dia.		Length
		Before	Finished	
HWT-0722	1/bag	3/4"	7/32"	6"
HWT-1138	1/bag	1 3/32"	3/8"	6"
HWT-1550	1/bag	1 1/2"	1/2"	6"
HWT-0070	2/bag	5/8"	3/16"	6"



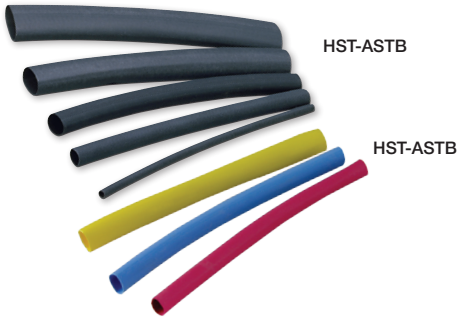
42-029

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.
- Nylon-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 #	Pack Qty.	Marker Legends
42-027	45/ea	0-9
42-028	10/ea	A-Z
	10/ea	0-15
	10/ea	Symbols: +,-,/
42-029	10/ea	1-45
42-030	10/ea	46-90
42-035	6/ea	1-15
	4/ea	16-90
	2/ea	A-Z
	2/ea	Symbols: +,-,/
42-ALPHA	1/ea	Circuit Breaker Box Markers



HEAT SHRINK

THIN-WALL HEAT SHRINK

Great for cable insulation, marking and bundling, with superior mechanical, abrasion and moisture protection.

- Flame retardant, meets UL 224 VW-1.
- Resists common fluids and solvents. Material is Polyolefin.
- Meets UL 224, 125˚C; CSA C22.2 No. 198.1, 125˚C; MIL-DTL-23053/5, Class 1 & 2, AMS 3636 &3637; DEF Stan 59-79, Issue 3 Type 2a.
- Continuous operating temperature: -40˚C (40˚F) - 125˚C (257˚F).
- Shrink temperature: 125˚C (257˚F) - 250˚C (480˚F).
- 600 V/Mil Dielectric strength. 2:1 shrink ratio.

Part #	Pkg Qty	Before	Finished	Length	Conductor Gauge AWG*																Color
					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"	•																	Black
HST-093B	8/clam	3/32"	3/64"	3"	•																	Black
HST-093R	8/clam	3/32"	3/64"	3"	•																	Red
HST-093W	8/clam	3/32"	3/64"	3"	•																	White
HST-100	1 pc	3/16"	3/32"	8'		•	•	•	•	•	•											Red
HST-100B	1/Clam	3/16"	3/32"	8"		•	•	•	•	•	•											Black
HST-101	1 pc	1/4"	1/8"	8'				•	•	•	•	•										Blue
HST-101B	1/clam	1/4"	1/8"	8'				•	•	•	•	•										Black
HST-102	1 pc	5/16"	5/32"	8"						•	•	•	•	•								Yellow
HST-102B	1/Clam	5/16"	5/32"	8"						•	•	•	•	•								Black
HST-125	7 pcs	1/8"	1/16"	4"		•	•	•														Black
HST-125B	8/clam	1/8"	1/16"	3"		•	•	•														Black
HST-125B6	10/clam	1/8"	1/16"	6"		•	•	•														Black
HST-125R	8/clam	1/8"	1/16"	3"		•	•	•														Red
HST-125W	8/Clam	1/8"	1/16"	3"		•	•	•														White
HST-125W6	10/clam	1/8"	1/16"	6"		•	•	•														White
HST-187B	5/Clam	3/16"	3/32"	3"		•	•	•	•	•	•											Black
HST-187R	5/Clam	3/16"	3/32"	3"		•	•	•	•	•	•											Red
HST-187	8 pcs	3/16"	3/32"	4"			•	•	•	•	•											Black
HST-187W	5/clam	3/16"	3/32"	3"			•	•	•	•	•											White
HST-250	6 pcs	1/4"	1/8"	4"				•	•	•	•	•										Black
HST-250B	5/clam	1/4"	1/8"	3"				•	•	•	•	•										Black
HST-250R	5/clam	1/4"	1/8"	3"				•	•	•	•	•										Red
HST-250W	5/clam	1/4"	1/8"	3"				•	•	•	•	•										White
HST-375	3 pcs	3/8"	3/16"	4"						•	•	•	•	•								Black
HST-375B	3/Clam	3/8"	3/16"	3"						•	•	•	•	•								Black
HST-375R	3/Clam	3/8"	3/16"	3"						•	•	•	•	•								Red
HST-375W	3/Clam	3/8"	3/16"	3"						•	•	•	•	•								White
HST-500	3 pcs	1/2"	1/4"	4"								•	•	•	•	•						Black
HST-500B	3/Clam	1/2"	1/4"	3"								•	•	•	•	•						Black
HST-500R	3/Clam	1/2"	1/4"	3"								•	•	•	•	•						Red
HST-500W	3/Clam	1/2"	1/4"	3"								•	•	•	•	•						White
HST-750	2 pcs	3/4"	3/8"	4"											•	•	•	•	•	•		Black
HST-750B	2/clam	3/4"	3/8"	3"											•	•	•	•	•	•		Black
HST-750B6	4/clam	3/4"	3/8"	6"											•	•	•	•	•	•		Black
HST-750R	2/clam	3/4"	3/8"	3"											•	•	•	•	•	•		Red
HST-750W	2/Clam	3/4"	3/8"	3"											•	•	•	•	•	•		White
HST-999	2 pcs	1"	1/2"	4"															•	•	•	Black
HST-999B	2/clam	1"	1/2"	3"															•	•	•	Black
HST-999R	2/clam	1"	1/2"	3"															•	•	•	Red
HST-999W	2/clam	1"	1/2"	3"															•	•	•	White
HST-ASTB	160/kit	3/32", 1/8", 3/16", 1/4", 3/4", 1/16", 3/8"	3/64", 1/16", 3/32", 1/8", 3/8", 1/32", 3/16"	3"	•	•	•	•	•	•	•	•	•	•	•	•						Black
XTM-301	8/clam	3/16", 3/4"	3/32", 3/8"	3"		•	•	•	•	•	•				•	•	•	•	•	•		Black
HST-AST	8/Card	1/8",3/16", 1/4"	1/16", 3/32", 1/8"	4"	•	•	•	•	•	•	•	•	•	•	•	•						Black
HST-107	7 pcs	1/8", 1/4", 3/8", 1/2"	1/16", 1/8", 3/16", 1/4"	3"		•	•	•	•	•	•	•	•	•	•	•						Assorted (Red, Blue, Yellow)
HST-ASTA	160/kit	3/32", 1/8", 3/16", 1/4", 3/4", 1/16", 3/8"	3/64", 1/16", 3/32", 1/8", 3/8", 1/32", 3/16"	3"	•	•	•	•	•	•	•	•	•	•	•	•						Assorted (Red, Blue, Yellow)
XTM-305	5/clam	3/8"	3/16"	3"						•	•	•	•	•								Assorted (Red, Blue, Yellow)

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



CONDUIT BENDING

Gardner Bender® innovations have delivered the ultimate in job-site performance, durability and reliability since 1959. Gardner Bender® provides a complete line of products to bend EMT, Rigid, IMC and PVC coated conduit.

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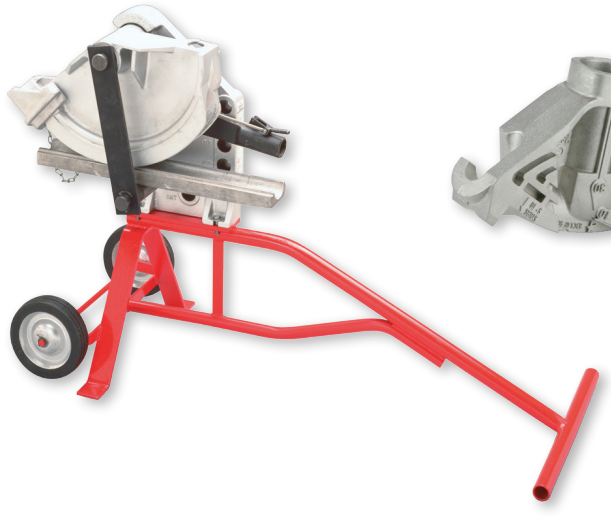


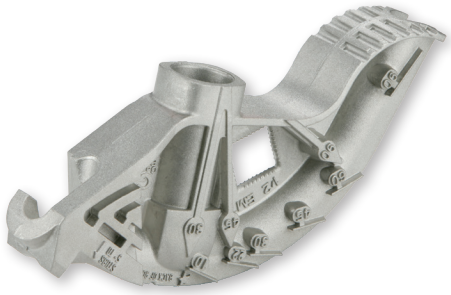



Gardner Bender
Gardner Bender











BENDING SELECTION GUIDE

Part # & Description

Combination Bending-Rigid, IMC, EMT Conduit	Page #	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	3½"	4"	5"
B2000 Cyclone® Bender	6-7	✓	✓	✓	✓	✓	✓					
B2555 Sidewinder® Bender & BRIG-52	14	✓	✓	✓	✓	✓	✓					
B2555 Sidewinder® Bender & BEMT-52	14	✓	✓	✓	✓	✓	✓					
B2555 Sidewinder® Bender & IMC-52	14	✓	✓	✓	✓	✓	✓					
B2555 Sidewinder® Bender & BPVC-152	14	✓	✓	✓	✓	✓	✓					
B400L & DL Ultra Eegor™	9							✓	✓	✓	✓	
BW Series - Mechanical Sidewinder™ Bender (EMT)	20-21	✓	✓	✓	✓	✓	✓					
BW Series - Mechanical Sidewinder™ Bender (IMC)	20-21	✓	✓	✓	✓	✓						
BW Series - Mechanical Sidewinder™ Bender (Rigid)	20-21	✓	✓	✓	✓	✓						
Rigid Conduit Bending	**Page #**	**½"**	**¾"**	**1"**	**1¼"**	**1½"**	**2"**	**2½"**	**3"**	**3½"**	**4"**	**5"**
B2000 Cyclone® Bender	6-7	✓	✓	✓	✓	✓	✓					
B2555 Sidewinder® Bender & BRIG-52	14	✓	✓	✓	✓	✓	✓					
B400L & DL Ultra Eegor™	9							✓	✓	✓	✓	
B316S One-Shot Bender	10-13	✓	✓	✓	✓	✓	✓					
B308S Combination One-Shot/Sweep Bender	10-13			✓	✓	✓	✓	✓	✓	✓	✓	
B340S One-Shot Bender	10-13				✓	✓	✓	✓	✓	✓	✓	
B359S Combination One-Shot/Sweep Bender	10-13				✓	✓	✓	✓	✓	✓	✓	✓
B306S Sweep/Segmental Bender	10-13				✓	✓	✓	✓	✓	✓	✓	
B343S One-Shot Eject-O-Matic® Bender	10-13				✓	✓	✓	✓	✓	✓	✓	
B351S Combination Eject-O-Matic® Bender	11-13				✓	✓	✓	✓	✓	✓	✓	✓
Mechanical Sidewinder™ Bender BW11,12,15, 20, 30, 27	20-21	✓	✓	✓	✓	✓						
Hand Benders - Gardner™ Bender	23	931B										
Hand Benders - Big Ben®	22	961	962									
Hand Benders - Hickeys	24	820	821	822								
EMT Conduit Bending	**Page #**	**½"**	**¾"**	**1"**	**1¼"**	**1½"**	**2"**	**2½"**	**3"**	**3½"**	**4"**	**5"**
B2000 Cyclone® Bender	6-7	✓	✓	✓	✓	✓	✓					
B2555 Sidewinder® Bender & BEMT-52	14	✓	✓	✓	✓	✓	✓					
B400L & DL Ultra Eegor™	8							✓	✓	✓	✓	
Mechanical Sidewinder™ Bender BW30, 27, 201, 221	20-21	✓	✓	✓	✓	✓	✓					
Hand Benders - Gardner™ Bender	23	930B	931B									
Hand Benders - Big Ben®	22	960	961	962								
IMC Conduit Bending	**Page #**	**½"**	**¾"**	**1"**	**1¼"**	**1½"**	**2"**	**2½"**	**3"**	**3½"**	**4"**	**5"**
B2000 Cyclone® Bender	6-7	✓	✓	✓	✓	✓	✓					
B2555 Sidewinder® Bender & IMC-52	14	✓	✓	✓	✓	✓	✓					
B400L & DL Ultra Eegor™	8							✓	✓	✓	✓	
Mechanical Sidewinder™ Bender BW 11, 12, 15, 20, 30, 27	20-21	✓	✓	✓	✓	✓						
PVC-Coated Rigid Conduit Bending	**Page #**	**½"**	**¾"**	**1"**	**1¼"**	**1½"**	**2"**	**2½"**	**3"**	**3½"**	**4"**	**5"**
B2000 Cyclone® Bender	6-7	✓	✓	✓	✓	✓						
B2555 Sidewinder® Bender & BPVC-152	14	✓	✓	✓	✓	✓	✓					
Mechanical Sidewinder™ Bender BW 30, 27, 201, 221	20-21	✓	✓	✓	✓	✓						

CONDUIT BENDERS


B2000

GB Gardner Bender **INNOVATION**

CYCLONE® ELECTRIC-POWERED CONDUIT BENDER

One shoe bends ½" - 2" conduit with no loose parts:

- Rigid
- Rigid aluminum
- EMT
- IMC
- PVC-coated rigid (½" to 1½")

- Easily make repeatable, duplicate bends.
- Horizontal and vertical positions allow the unit to create accurate offset bends.
- Four wheels increases mobility.
- Low-volt (95), high-volt (132) automatic shut-off helps protect electrical components from voltage fluctuations.
- Resettable circuit breaker eliminates down time changing fuses.
- On/Off switch allows user to shut machine down for extended periods of time.
- Hook attachment on pendant control frees hands while working with conduit.
- Minimal training time.
- Easy setup - No leveling or homing required before use.
- Weather-resistant cover included.
- 110/115 V AC, 15 AMP 1 HP DC Motor.
- Dimensions: 47" x 33" x 43".
- Weight 408 lbs.

Part #	Description	Weight
B2000	Cyclone® Electric-Powered Production Bender, 115 V / 15 A	408 lbs
B2005	Cover	
LK15	Decal Kit	

Centerline Radius Chart:

Conduit Size	IMC	PVC-Coated Rigid	EMT	Rigid
½"	4⅜"	5⅜"	4¼"	4⅜"
¾"	5⁵⁄₁₆"	6½"	5⅜"	5⁵⁄₁₆"
1"	6⁷⁄₃₂"	7²⁷⁄₃₂"	6½"	6⁷⁄₃₂"
1¼"	7²³⁄₃₂"	8⅜"	7²⁷⁄₃₂"	7²³⁄₃₂"
1½"	8⁷⁄₃₂"	N/A	8⅜"	8¹⁵⁄₆₄"
2"	9¹⁵⁄₃₂"	N/A	9²¹⁄₃₂"	9²⁹⁄₆₄"


Bending can be performed in the horizontal or vertical position.

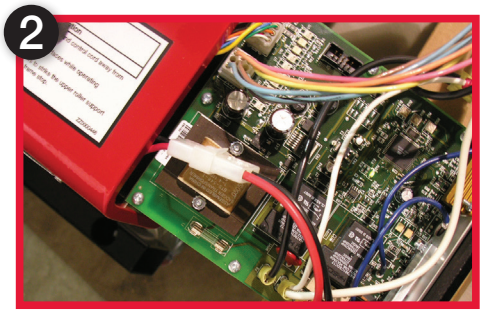

Easy dial settings-makes training time virtually non-existent.

1



Ergonomic
Pendant Control
Ease of operation

2



Circuit Board &
Circuit Verification Phase
Guarantees operation

3



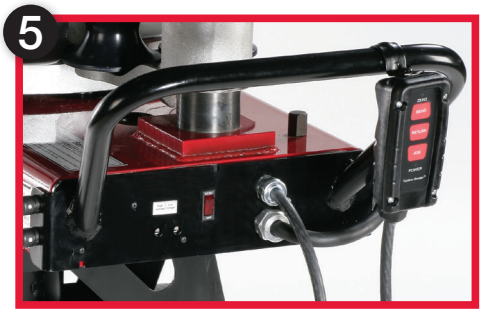
Stronger Legs
Increased durability
(10x life test)

4



Larger Tires/Wheels
Increased mobility

5



Stronger Upright Handle
Ease of use

6



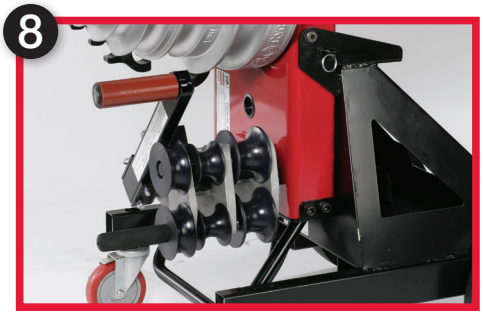
Fork Lift Tubes & Hook
Allows lifting &
transport capability

7



Storage Area
Storage for tools, etc...
while in use

8



Central Pivot Point
Balanced pivoting for easy switching
between horizontal and vertical position.

GB Gardner Bender **INNOVATION**

IMPROVED ULTRA EEGOR™ HYDRAULIC BENDER AND MOBILE BEND-MATE

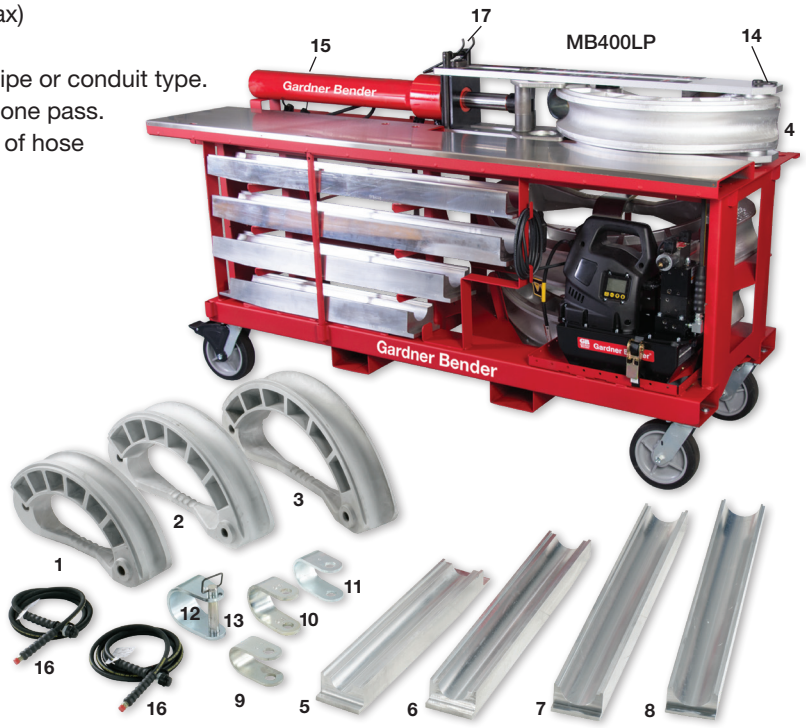
MADE IN USA

Bends 2½" to 4" conduit:

- Rigid
- Rigid aluminum (schedule 40 max)
- EMT
- IMC

No additional attachment sets required to change per pipe or conduit type.

- 30 ton, 28" stroke cylinder can make a 90° bend with one pass.
- Double-acting cylinder for rapid retraction, regardless of hose lengths and system losses.
- Improved shoes and follow bars to reduce conduit kinking during bending.
- 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.
- Additional workspace on bend table.
- Using the Eegor Hydraulic Bender with the MB400 table will help reduce labor costs and physical strain.



Centerline Radius Chart:

Nominal Size	IMC	EMT	Rigid
2½"	13½"	13½"	13½"
3"	15⅞"	15⅞"	15⅞"
3½"	18½"	18½"	18½"
4"	21"	21"	21"



See page **76-77**
For more info on
Electric Pumps

Part #	Description	Pump	Table or Job Box	Weight
MB400	Mobile Bend-Mate™ Table Only	Not Included	Table	308 lbs
MB400L	Ultra Eegor™ with Mobile Bend-Mate™ Table with Complete Shoe Groups	Not Included	Table	1093 lbs
MB400LP	Ultra Eegor™ with Mobile Bend-Mate™ Table with Complete Shoe Groups	P408S Electric	Table	1178 lbs
MB400DL	Ultra Eegor™ with Mobile Bend-Mate™ Table w/o 3.5" shoe group	Not Included	Table	968 lbs
MB400DLP	Ultra Eegor™ with Mobile Bend-Mate™ Table w/o 3.5" shoe group	P408S Electric	Table	1053 lbs
B400L	Long-stroke Ultra Eegor™	Not Included	Job Box	770 lbs
B400LP408S	Long-stroke Ultra Eegor™	P408S Electric	Job Box	870 lbs
B400DL	Long-stroke Ultra Eegor™ w/o 3.5" shoe group	Not Included	Job Box	770 lbs
B400DLP408S	Long-stroke Ultra Eegor™ w/o 3.5" shoe group	Not Included	Job Box	795 lbs

Components Included with the Long-stroke Ultra Eegor™ Bender

Part #	Conduit	Description	Weight	I.D. #
BS2500	2½"	Bending Shoe	44 lbs	1
BS3000	3"	Bending Shoe	50 lbs	2
BS3500*	3½"	Bending Shoe	75 lbs	3
BS4000	4"	Bending Shoe	90 lbs	4
BFB2500	2½"	Follow Bar	34 lbs	5
BFB3000	3"	Follow Bar	35 lbs	6
BFB3500*	3½"	Follow Bar	42 lbs	7
BFB4000	4"	Follow Bar	40 lbs	8
BZ28	2½"	U-strap	5 lbs	9
BZ34	3"	U-strap	5 lbs	10
BZ39*	3½"	U-strap	8 lbs	11
BZ44	4"	U-strap	10 lbs	12
BZ76	–	U-strap Pin	4 lbs	13
BZ78	–	Bend Shoe Pin	4 lbs	14
ZCD3028	–	30-Ton, Double-Acting Hyd. Cyl.	95 lbs	15
HC927	–	(2) 10' Hose w/High-Flow Coupler	4 lbs	16
BZ74	–	Double Anchor Frame Pin	66 lbs	17
CM20	–	Metal Case for Ultra Eegor™	182 lbs	–

**These parts are not included with B400DL and B400DLP408S.*

MOBILE BEND-MATE™

The Mobile Bend-Mate™ table with your Ultra Eegor™ bender empowers one person to setup, operate and finish a job faster than ever. As soon as you're ready, lock down the wheels and get to work. You have everything you need at your fingertips. Your Ultra Eegor™ bending shoes, follow bars and pump are integrated into a unique design to optimize setup and teardown time on the job site. When one job is complete, the Mobile Bend-Mate™ makes it easy to move from one location to the next. Four heavy duty swivel casters pivot in any direction to help you wheel the entire system just about anywhere since it fits through a standard 32" doorway. Built-in forklift pockets are available for lifting on all four sides. And the end of the work day, the Mobile Bend-Mate™ is designed so you can easily secure shoes, follow bars, pump and bender on the job site.

- Eliminates need for Job Box.
- Extremely fast setup time.
- To be used with Ultra Eegor Conduit Bender.
- Backward compatible with all Ultra Eegor Benders.



MB400

Retrofitting Ultra Eegor Benders

Part #	Description	Pump
CD3028KT*	Eegor® Conversion Kit, 28" Stroke Cylinder	P408S Electric

tip: *To convert older B400 or B400D to Long-stroke Cylinder, use CD3028KT Kit, which includes Long-stroke Cylinder, CS400 Cylinder Support and DC405 Decal.

Bend Angle Decals Available

	Short Stroke Cylinder	Long Stroke Cylinder
Old Shoes (pre-2005)	DC400	DC400
New Shoes (post-2005)	DC404	DC405

ONE-SHOT AND SWEEP RIGID STEEL AND RIGID ALUMINUM HYDRAULIC BENDERS

Gardner Bender® Rigid Benders are made with high-grade aluminum for durability, and interchangeable shoes that allow quick and precise bends.

- Portable hand pump or economical electric pump options.
- Durable metal job box included.
- Optic angle gauge for quick references of bend progression.
- Ability to be powered by single-acting manual or electric pumps.
- Ability to produce sweep bends where several bending stages are necessary.
- Capability of one-shoe bending for elbows.

tip: Hydraulic benders are for use on Rigid conduit only.



B308S

Part #	Description	Weight	w/ Pump Part #	Description	Weight	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	3½"	4"	5"
B306S	1 ¼" - 4" Sweep	216 lbs	B306SPH80	1 ¼" - 4" Sweep w/ PH80 Hand Pump	243 lbs				Sweep							
			B306SPE22J	1 ¼" - 4" Sweep w/ PE22J Electric Pump	230 lbs											
B308S	1" - 2" One-shot / 2 ½" - 4" Sweep Combination	225 lbs	B308SPH80	1" - 2" One-shot / 2 ½" - 4" Sweep Combo w/ PH80 Hand Pump	253 lbs			One Shot				Sweep				
			B308SPE22J	1" - 2" One-shot / 2 ½" - 4" Sweep Combo w/ PE22J Elec. Pump	340 lbs											
B316S	1/2" - 2" One-shot Rigid Bender	104 lbs	B316SPH39	½" - 2" One-shot Rigid Bender w/ PH39 Hand Pump	114 lbs	One Shot										
			B316SPE22J	½" - 2" One-shot Rigid Bender w/ PE22J Electric Pump	160 lbs											
B340S	1 ¼" - 4" One-shot Rigid Bender	334 lbs	B340SPH80	1 ¼" - 4" One-shot Rigid Bender w/ PH80 Hand Pump	350 lbs				One Shot							
			B340SPE22J	1 ¼" - 4" One-shot Rigid Bender w/ PE22J Electric Pump	390 lbs											
			B340SP208J	1 ¼" - 4" One-shot Rigid Bender w/ P208J Electric Pump	325 lbs											
B359S	1 ¼" - 4" One-shot / 5" Sweep Combination	225 lbs	B359SPH80	1 ¼" - 4" One-shot / 5" Sweep Combo w/ PH80 Hand Pump	253 lbs				One Shot							Sweep
			B359SP208J	1 ¼" - 4" One-shot / 5" Sweep Combo w/ PE22J Elec. Pump	340 lbs											

EJECT-O-MATIC® RIGID STEEL AND RIGID ALUMINUM HYDRAULIC BENDERS

Bend 1¼" to 4" rigid steel or rigid aluminum conduit in one shot and 5" sweep. Eject-O-Matic® feature retains conduit with a T-pin while bending shoe is hydraulically retracted. Once complete, the conduit automatically pops free.

- Automatic ejection saves time and money.
- Choice of hand or electric pumps.
- Durable metal job box included.
- Ability to be powered by double-acting manual or electric pumps.



B343S

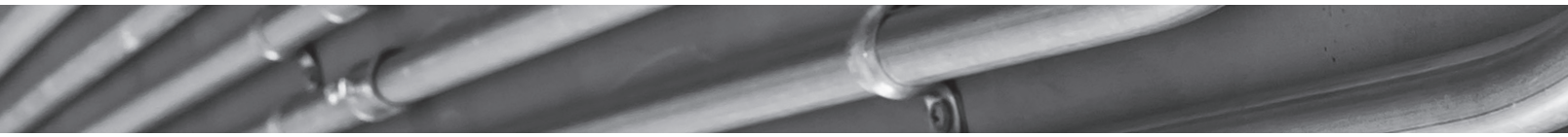
Part #	Description	Weight	w/ Pump Part #	Description	Weight	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	3½"	4"	5"
B343S	1¼" - 4" One-shot	330 lbs	B343SP408J	1¼" - 4" One-shot w/ P408J Electric Pump	430 lbs				One Shot							Sweep
			B343SP408S	1¼" - 4" One-shot w/ P408S Electric Pump	432 lbs											
*B351S only available w/ P408S Electric Pump. See next column.			B351SP408S	1¼" - 4" One-shot / 5" Sweep Combo w/ P408S Elec. Pump	460 lbs				One Shot							Sweep

tip: Required double acting (two hose) cylinders provide controlled and powerful bending and return functions.


See page 76-77
For more info on
Electric Pumps


See page 78
For more info on
Manual Pumps


See page 79
For more info on
Cylinders



Centerline Radius Chart:

Nominal Size	Rigid Radius	Nominal Size	Rigid Radius
½"	3 5/16"	2"	9 ½"
¾"	4 ½"	2 ½"	10 ½"
1"	5 13/16"	3"	13"
1¼"	7 ¼"	3 ½"	17 ½"
1½"	8¼"	4"	20"

Hydraulic Bender Model Components

Component Included with Hydraulic Bender

Component	Specification	Part #	Weight	B306S	B308S	B316S	B340S	B343S	B351SP408S	B359S
Bending Shoe	½"	BZ12011	1 lb			✓				
	¾"	BZ12021	1 lb			✓				
	1"	BZ12031	2 lbs		✓	✓				
	1¼"	BZ12041	4 lbs		✓	✓	✓	✓	✓	✓
	1½"	BZ12051	5 lbs		✓	✓	✓	✓	✓	✓
	2"	BZ12061	7 lbs		✓	✓	✓	✓	✓	✓
	2½"	–	–				✓	✓	✓	✓
	3"	–	–				✓	✓	✓	✓
	3½"	–	–				✓	✓	✓	✓
	4"	–	–				✓	✓	✓	✓
Sweep Bending Shoe	½"	–	–							
	1"	–	–							
	1¼"	BZ12379	2 lbs	✓						
	1½"	BZ12380	2 lbs	✓						
	2"	BZ12381	3 lbs	✓						
	2½"	BZ12382	4 lbs	✓	✓					
	3"	BZ12383	5 lbs	✓	✓					
	3½"	BZ12384	9 lbs	✓	✓					
	4"	BZ12385	12 lbs	✓	✓					
	5 "	BZ12386	18 lbs						✓	✓
Single-Acting Cylinder	10-ton	CS1010*	13 lbs			✓				
	25-ton	CS2510**	31 lbs	✓	✓					
	25-ton	CS2514**	31 lbs				✓			✓
	30-ton	CD3014**	31 lbs					✓	✓	
(2) Pivot Shoes	–	BZ12071	1 lb			✓				
	–	BZ12388	10 lbs						✓	✓
	–	BZ13401	4 lbs	✓	✓		✓	✓		
Angle Gauge	–	BZ12091	.5 lbs		✓	✓	✓	✓	✓	✓
(2) Pivot Pins	–	BZ12375	1 lb			✓				
	–	BZ12376	4 lbs	✓	✓		✓	✓		
	–	BZ12390	4 lbs						✓	✓
Bender Frame	–	BZ12371	25 lbs			✓				
	–	BZ12372	54 lbs	✓	✓					
	–	BZ12374	63 lbs				✓	✓		
	–	BZ12389	85 lbs						✓	✓
Shoe Lock Pin	–	BZ12377	.25 lbs	✓	✓	✓	✓	✓	✓	✓
6' Hose	–	HC913	3 lbs	✓	✓	✓	✓	✓	✓	✓
Metal Case	–	CM4	56 lbs			✓				
	–	CM7	98 lbs	✓	✓		✓	✓	✓	✓
5" Conversion Kit (optional)	–	B350	63 lbs				✓	✓		

Must order A12 Smooth Saddle, see pg. 19
***Must order A29 Smooth Saddle, see pg. 19*



ONE-SHOT 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.

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

***Schedule Pipe:**

40 = Standard/Rigid

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



B2555

ELECTRIC SIDEWINDER® BENDER

Bends ½" to 2" conduit:

- Rigid
- Rigid aluminum (schedule 40 max.)
- IMC
- EMT conduit
- PVC-coated rigid (40 mil)
- Up to 180 degree one-shot bends in ½" through 2" conduit.
- The handle detaches and pivots out of the way for offset bending.
- Competitor shoes are interchangeable (Greenlee, Current, etc.).
- 110/115 V AC
- 20 AMP

Centerline Radius Chart:

Conduit Size	EMT	IMC	Rigid
½"	4¼"	4⅜"	4⅜"
¾"	5⅜"	4½"	4½"
1"	6¾"	5¾"	5¾"
1¼"	8¾"	7¼"	7¼"
1½"	8 9/32"	8 9/32"	8¼"
2"	9 9/16"	9 9/16"	9½"

note: Bender & Shoe Groups can be purchased as a kit or individually.

Part #	Description	Capacity/Range	Weight
B2555	Electric Sidewinder® w/o Shoes	—	270 lbs
B2555RIG	Electric Sidewinder® w/ Rigid Shoe Group	½"-2" Rigid & ½"-1¼" IMC conduit	365 lbs
B2555EMT	Electric Sidewinder® w/ EMT Shoe Group	½" - 2" EMT conduit	430 lbs
B2555PVC	Electric Sidewinder® w/ PVC Shoe Group	½" - 2" 40 mil PVC-Coated conduit	365 lbs

ELECTRIC SIDEWINDER® SHOE GROUPS

		Shoe Group Part #									
		BRIG-52				BEMT-52		BIMC-152		BPVC-52	
		Conduit Type									
		Rigid and IMC		Rigid		EMT		IMC		PVC-Coated Rigid	
Component	**Conduit Size**	**Part #**	**Weight**	**Part #**	**Weight**	**Part #**	**Weight**	**Part #**	**Weight**	**Part #**	**Weight**
Bending Shoe	½" & 1¼"	RS-5125	43 lbs			ES-5125	24 lbs			PVS-5125	43 lbs
	1½"					ES15	23 lbs	IS-15	22 lbs		
	1½" & 2"			RS-152	36 lbs					PVS-152	36 lbs
	2"					ES-2	31 lbs	IS-2	29 lbs		
Support Unit/Roller	½" & 1¼"	RSR-5125	8 lbs			ESR-5125	6 lbs			PVR-5125	8 lbs
	1½" & 2"			RSR-152	6 lbs	ESR-152	40 lbs	ISR-152	40 lbs	PVR-152	6 lbs
Metal Storage Box	—	BX-1									



NOTES

PUMPS

Double-Acting Pump
P408S
1.7 HP Pump



Single-Acting Pump
P208J
1.7 HP Pump



Z-CLASS™ ELECTRIC PUMPS

Introducing Gardner Bender® Z-Class™ hydraulic pumps – pumps that run cooler, use less electricity and are easier to service than conventional pumps. Gardner Bender® has used the latest metallurgical, bearing and seal technologies to produce a pump whose features and benefits far surpass the electric pumps that are available today. By reducing the number of moving parts, improving flow dynamics and decreasing friction, Z-Class™ pumps will stay on the job longer, require less energy to operate and when needed, have lower service costs.

- Two-speed high-efficiency pumps.
- Self-priming, high-flow 1st stage pump.
- Large, heavy-duty bearings and balanced rotating components.
- Replaceable piston check-valves.
- Powerful universal motor and excellent low-voltage operating.
- Brush design lasts 4-times longer.
- Ergonomic high strength composite.

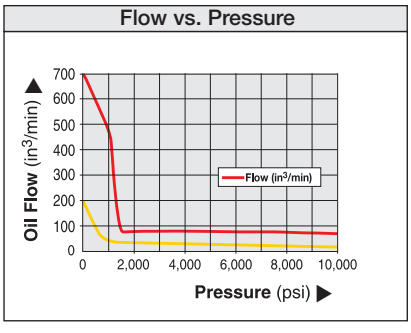
		P208J	P408S	P408J	P408K
Motor Size		1.7hp	1.7hp	1.7hp	1.7hp
Type		Z-Class™	Z-Class™	Z-Class™	Z-Class™
Reservoir Capacity		1 gallon	1 gallon	1 gallon	2 gallon
LCD Display		Yes	Yes	No	No
Pendant Control		Yes	Yes	No	No
Valve Operation		Manual	Solenoid	Manual	Manual
Pump Type		single-acting	double-acting	double-acting	double-acting
Pressure Rating	**1st stage (psi)**	100	100	100	100
	2nd stage (psi)	10,000	10,000	10,000	10,000
Output Flow Rate	**1st stage (in^3/min)**	700	700	700	700
	2nd stage (in^3/min)	60	60	60	60
Valve Type		3 way/2 pos.	4 way/3 pos.	4 way/3 pos.	4 way/3 pos.
Current Draw (max) (Amps)		20	20	20	20
Motor Voltage (VAC)		115	115	115	115
Sound (dba)		85-90	85-90	85-90	85-90
Weight (lbs)		70	85	71	71
Relief Valve Adj. Range (psi)		2,000-10,000	2,000-10,000	2,000-10,000	2,000-10,000

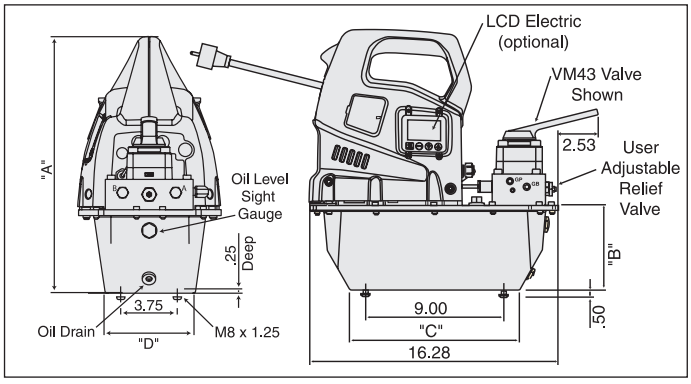


BACK-LIT LCD

Provides essential information:

- Hour & cycle counts
- Low voltage warning
- Self-test, diagnostic and read-out capabilities
- Pressure read-out and adjustable trigger pressure settings
- Information displayed in 6 languages.





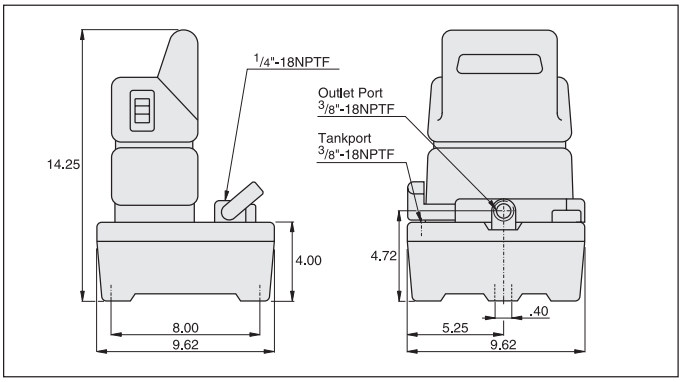
Single-Acting Pump
PE22J
1/2 HP Pump

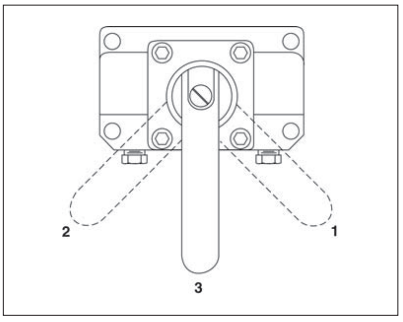


ECONOMY ELECTRIC PUMP

- 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.

		PE22J
Motor Size		½ hp
Type		Economy
Reservoir Capacity		1 gallon
Pump Type		Single-Acting
Pressure Rating	**1st stage (psi)**	200
	2nd stage (psi)	10,000
Output Flow Rate	**1st stage (in³/min)**	200
	2nd stage (in³/min)	20
Valve Type		3 way/2 pos.
Current Draw (Amps)		9.5
Motor Voltage (VAC)		115
Sound (dba)		85
Weight (lbs)		27 lbs





PE22J 3-Way Valve

The pump control valve directs hydraulic fluid output or return from the hydraulic system components.

This model has a 3-way, 2 position valve.
Valve positions are shown in the image:

(1)-Advance; (3)-Retract.
To advance the cylinder, shift the valve to the advance position (1) and press the pendant switch. The cylinder will advance until the pendant switch is released. To retract the cylinder, shift the valve to the retract position (3). The cylinder will retract with or without the pump running.

MANUAL HYDRAULIC PUMPS

Durable manual pumps utilized with Gardner Bender® hydraulic bender sets.

- PH39 and PH80 models feature two-speed action for faster cylinder cycle time.
- PH20 has economical single-speed design.
- All pumps contain internal high-pressure relief overload protection.



Manual Pump
PH20



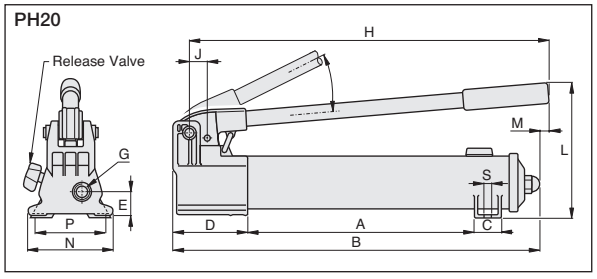
Manual Pump
PH39



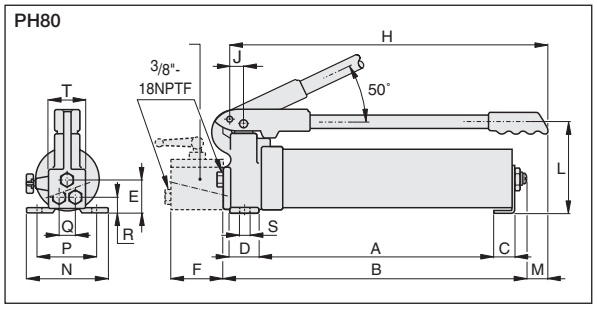
Manual Pump
PH80

		PH20	PH39	PH80
Pump Type		Single-Speed	Two-Speed	Two-Speed
Usable Oil Capacity (in^3)		20	56	134
Pressure Rating	**1st stage** (psi)	–	363	350
	2nd stage (psi)	10,000	10,152	10,000
Oil Displ. per Stroke	**1st stage** (in^3)	–	2.03	.99
	2nd stage (in^3)	.055	.2	.15
Max. Handle Effort		72 lbs	108 lbs	104 lbs
Dimensions (in)				
A		7.31	17.32	16.75
B		13.25	23.04	21.22
C		1.13	1.34	1.00
D		3.37	3.31	1.75
E		1.13	1.85	2.13
F		–	–	–
H		12.56	22.05	20.75
J		.75	.98	1.14
L		5.63	5.90	6.88
M		–	0	.75
N		3.75	4.25	5.75
P		3.18	3.23	4.76
Q		–	–	–
R		–	–	.83
S		–	.316	.31
T		–	19.9	–
Weight (lbs)		4.5 lbs	16 lbs	24 lbs

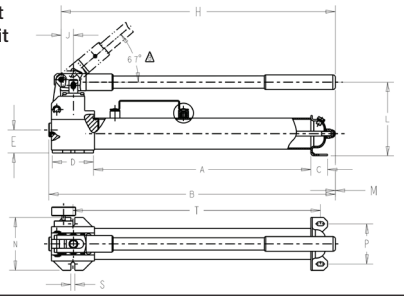
PH20



PH80



PH39 without conversion kit



HYDRAULIC CYLINDER SPECIFICATIONS

			CH1211	CS1010	CS2510	CS2514	CD3014
Cylinder Capacity (push)			12.00	10.00	25.00	25.00	30.00
Stroke (in)			1.63	10.13	10.25	14.25	14.50
Max Cylinder Capacity (tons)		**Pull**	–	–	–	–	5.00
Cylinder Effective Area (in^2)		**Push**	2.77	2.23	5.15	5.15	6.51
Cylinder Effective Area (in^2)		**Pull**	–	–	–	–	3.00
Oil Capacity (in^3)		**Push**	4.52	22.59	52.79	73.39	92.7
Oil Capacity (in^3)		**Pull**	–	–	–	–	43.00
Collapsed Height (in)		**A**	4.75	13.75	14.75	18.75	21.63
Extended Height (in)		**B**	6.38	23.88	25.00	33.00	36.13
Outside Diameter (in)		**D**	2.75	2.25	3.38	3.38	4.00
Cylinder Bore Diameter (in)		**E**	2.13	1.69	2.56	2.56	2.88
Plunger Diameter (in)		**F**	1.38	1.50	2.25	2.25	2.13
Cyl. Base to Advance Port (in)		**H**	0.75	0.75	1.00	1.00	1.56
Top to Ret. Port (in)		**I**	–	–	–	–	3.19
Saddle Diameter (in)		**J**	–	1.38	2.00	2.00	2.00
Saddle Protr. from Plunger (in)		**K**	–	0.25	0.41	0.41	0.41
Plunger Internal Thread (in)		**O**	¾-16	1-8	1½-16	1½-16	1½-16
Plunger Thread Length (in)		**p**	0.63	0.75	1.00	1.00	1.00
Base Mounting Holes	**Bolt Circle Diameter** (in)		–	1.56	2.31	2.31	–
	Thread (in)		–	5/16-18	½-13	½-13	–
	Thread Depth (in)		–	.50	.75	.75	–
Collar Thread (in)		**W**	2¾-16	2¼-14	3⅝-12	3⅝-12	3⅝-12
Collar Thread Length (in)		**X**	1.19	1.13	1.94	1.94	1.94
Center Hole Diameter (in)		**Y**	0.77	–	–	–	–
Weight (lbs)			6.20	14.00	31.00	39.00	64.00
Rating (tons)			12	10	25	25	30
Saddle (sold separately) (tons)			12	10	25	25	30

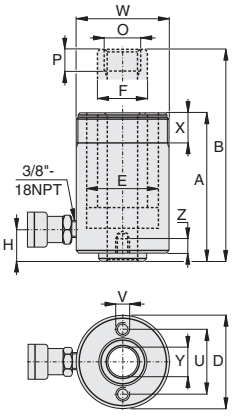


CD3014

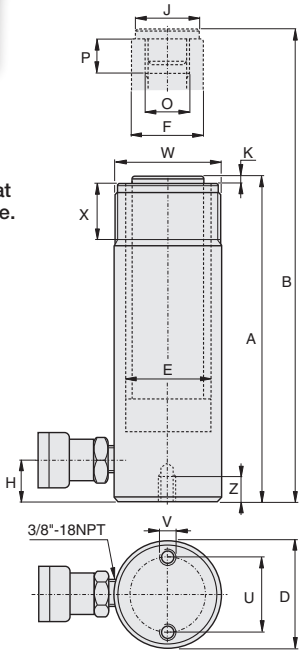


CH1211

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



CH1211 model



CS1010, CS2510, CS2514 models

HYDRAULIC BENDER ACCESSORIES

Quality accessories to increase bending efficiency.

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
HC927	10' Rubber Hydraulic Hose w/ CH604 coupler	4 lbs
HF100	Hydraulic Oil, Quart—ISO Grade 32	2 lbs
HF101	Hydraulic Oil, Gallon—ISO Grade 32	8 lbs

Couplers

Part #	Description	Weight
A630	Hydraulic Coupler: ¼" Female Half	.5 lb
	Hydraulic Coupler: ¼" Male Half	.5 lb
C604	Hydraulic Coupler: ⅜" High-flow Female Half	.5 lb
	Hydraulic Coupler: ⅜" High-flow Male Half	.5 lb

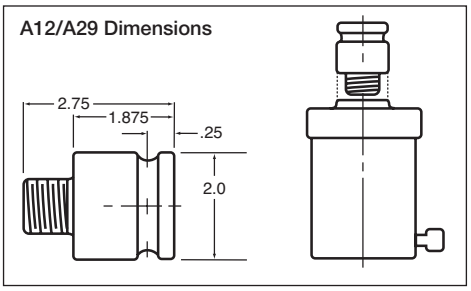
Smooth Saddles

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



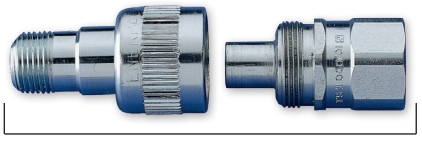
H864

A12/A29 Dimensions



tip: When ordering a replacement hydraulic cylinder for your bender you must also order a new smooth saddle. See chart above.

tip: When installing a new saddle, apply LOCTITE® thread locker to threads prior to installation.



A630

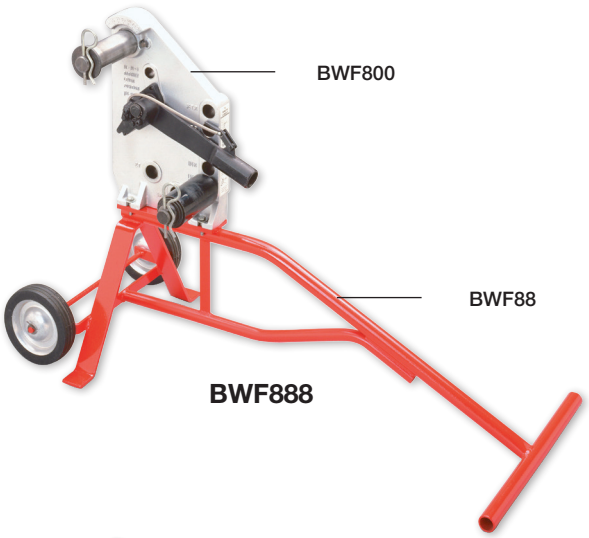


C604

MECHANICAL SIDEWINDER™ BENDERS

A fully portable system that bends:

- ½" to 1½" rigid steel, PVC-Coated rigid and IMC conduit.
- ½" to 2" EMT and rigid aluminum conduit.
- 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.



BWF888



CM4*

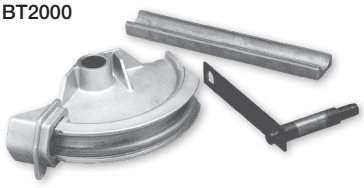
*CM4 or CM7 Job Box included with select Benders per the table on page 25.

BWF888 Sidewinder™ Bender w/ out Shoe Groups

Part #	Description	Weight
BWF800	Bender Head Assembly	38 lbs
BWF88	Frame Assembly	25 lbs
BF41	Urethane Roller Assembly & Shaft Assembly	3 lbs
BF42	2" EMT Strap	8 lbs
BF47	Shaft Assembly	3 lbs
BF48	2" Steel Sleeve and Strap Kit	4 lbs
BF49	Ratchet Assembly	9 lbs
BTI12520	Insert Teeth (for 1¼" - 1½" and 2" shoes)	1 lb
CM260281	Urethane Roller Only	1 lb

Bending Shoes

BT2000



BR12515



BR20000



BT12515



BT57510



BR57510



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.

tip: A bend handle is not included with these units. A 6 ft. piece of 1" Dia. Rigid conduit can be used.

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.*
Jaws come attached to shoes. Secured with chain.



Rigid / IMC Conduit Benders

Part #	Weight	Contains Part #	Description	Weight	Rigid / IMC Conduit Size ½"	¾"	1"	1¼"	1½"	2"
BW11	78 lbs	BWF888	Sidewinder™ Bender Frame	64 lbs	✓	✓	✓			
		BR57510	½", ¾", & 1" Rigid & IMC Shoe	18 lbs						
BW12	88 lbs	BWF888	Sidewinder™ Bender Frame	64 lbs				✓	✓	
		BR12515	1¼" & 1½" Rigid & IMC Shoe	28 lbs						
BW15	106 lbs	BWF888	Sidewinder™ Bender Frame	64 lbs	✓	✓	✓	✓	✓	
		BR57510	½", ¾", & 1" Rigid & IMC Shoe	18 lbs						
		BR12515	1¼" & 1½" Rigid & IMC Shoe	28 lbs						
BW20	175 lbs	BWF888	Sidewinder™ Bender Frame	64 lbs	✓	✓	✓	✓	✓	
		BW20S*	BR57510 ½", ¾", & 1" Rigid & IMC Shoe	18 lbs						
		(Shoe Set)	BR12515 1¼" & 1½" Rigid & IMC Shoe	28 lbs						
			BR20000 2" Rigid Aluminum Shoe	33 lbs						
			CM4 4-cubic-foot Case	26 lbs						
BW27	210 lbs	BWF888	Sidewinder™ Bender Frame	64 lbs	✓	✓	✓	✓	✓	
		BW27S*	BT12515 1¼" & 1½" EMT Shoe	28 lbs						
		(Shoe Set)	BT2000 2" EMT Shoe	39 lbs						
			BR57510 ½", ¾", & 1" Rigid & IMC Shoe	18 lbs						
			BR12515 1¼" & 1½" Rigid & IMC Shoe	28 lbs						
			CM4 4-cubic-foot Case	26 lbs						
BW30	290 lbs	BWF888	Sidewinder™ Bender Frame	64 lbs	✓	✓	✓	✓	✓	
		BW30S*	BT57510 ½", ¾", & 1" EMT Shoe	18 lbs						
		(Shoe Set)	BT12515 1¼" & 1½" EMT Shoe	28 lbs						
			BT2000 2" EMT Shoe	39 lbs						
			BR57510 ½", ¾", & 1" Rigid & IMC Shoe	18 lbs						
			BR12515 1¼" & 1½" Rigid & IMC Shoe	28 lbs						
			BR20000 2" Rigid Aluminum Shoe	33 lbs						
			CM7 7-cubic-foot Case	51 lbs						

**Shoes available separately or as BW20S, BW27S, & BW30S Sets*

EMT / PVC-Coated Rigid Conduit Benders

Part #	Weight	Contains Part #	Description	Weight	EMT Conduit Size ½"	¾"	1"	1¼"	1½"	2"	Rigid / IMC Conduit Size ½"	¾"	1"	1¼"	1½"	2"
BW27	210 lbs	BWF888	Sidewinder™ Bender Frame	64 lbs												
		BW27S*	BT12515 1¼" & 1½" EMT Shoe	28 lbs												
		(Shoe Set)	BT2000 2" EMT Shoe	39 lbs												
			BR57510 ½", ¾", & 1" Rigid & IMC Shoe	18 lbs				✓	✓	✓			✓	✓	✓	
			BR12515 1¼" & 1½" Rigid & IMC Shoe	28 lbs												
			CM4 4-cubic-foot Case	26 lbs												
BW30	290 lbs	BWF888	Sidewinder™ Bender Frame	64 lbs												
		BW30S*	BT57510 ½", ¾", & 1" EMT Shoe	18 lbs												
		(Shoe Set)	BT12515 1¼" & 1½" EMT Shoe	28 lbs												
			BT2000 2" EMT Shoe	39 lbs												
			BR57510 ½", ¾", & 1" Rigid & IMC Shoe	18 lbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
			BR12515 1¼" & 1½" Rigid & IMC Shoe	28 lbs												
			BR20000 2" Rigid Aluminum Shoe	33 lbs												
			CM7 7-cubic-foot Case	51 lbs												
BW201	99 lbs	BWF888	Sidewinder™ Bender Frame	64 lbs												
		BT2000	2" EMT Shoe	39 lbs						✓					✓	
BW221	184 lbs	BWF888	Sidewinder™ Bender Frame	64 lbs												
		BW221S*	BT57510 ½", ¾", & 1" EMT Shoe	18 lbs												
		(Shoe Set)	BT12515 1¼" & 1½" EMT Shoe	28 lbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
			BT2000 2" EMT Shoe	39 lbs												
			CM4 4-cubic-foot Case	26 lbs												

**Shoes available separately or as BW27S, BW30S, & BW221S Sets*

Rigid Aluminum Conduit Benders

Part #	Weight	Contains Part #	Description	Weight	Rigid Aluminum Conduit Size ½"	¾"	1"	1¼"	1½"	2"
BW20	175 lbs	BWF888	Sidewinder™ Bender Frame	64 lbs						
		BW20S*	BR57510 ½", ¾", & 1" Rigid & IMC Shoe	18 lbs						
		(Shoe Set)	BR12515 1¼" & 1½" Rigid & IMC Shoe	28 lbs						✓
			BR20000 2" Rigid Aluminum Shoe	33 lbs						
			CM4 4-cubic-foot Case	26 lbs						
BW30	290 lbs	BWF888	Sidewinder™ Bender Frame	64 lbs						
		BW30S*	BT57510 ½", ¾", & 1" EMT Shoe	18 lbs						
		(Shoe Set)	BT12515 1¼" & 1½" EMT Shoe	34 lbs						
			BT2000 2" EMT Shoe	39 lbs						
			BR57510 ½", ¾", & 1" Rigid & IMC Shoe	18 lbs	✓	✓	✓	✓	✓	✓
			BR12515 1¼" & 1½" Rigid & IMC Shoe	28 lbs						
			BR20000 2" Rigid Aluminum Shoe	33 lbs						
			CM7 7-cubic-foot Case	51 lbs						

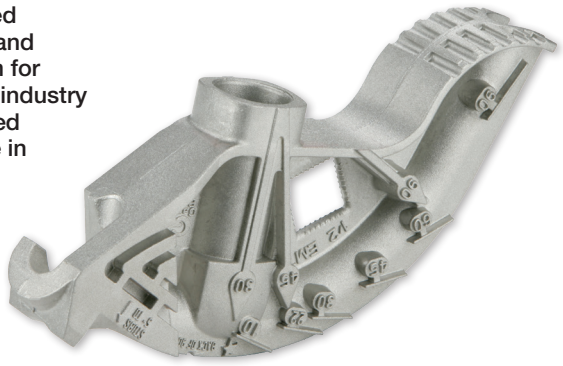
**Shoes available separately or as BW20S & BW30S Sets*

HAND BENDERS

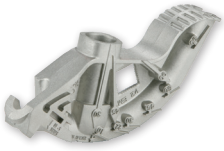
BIG BEN® CONDUIT HAND BENDER

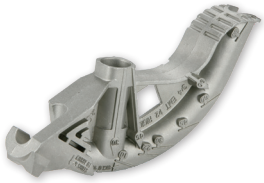
Gardner Bender's new series of Big Ben® aluminum hand benders has improved traditional hand benders by enlarging the hook, increasing the foot pedal size and clearance, highlighting the markings and incorporating a dual sight-line system for bending on the floor or in the air. Gardner Bender's new Big Ben® series offers industry standard markings to simplify the contractor's job. Made of rugged, heat-treated aluminum, the Big Ben® series is backed by a lifetime warranty and is available in the most common sizes of ½", ¾" and 1".

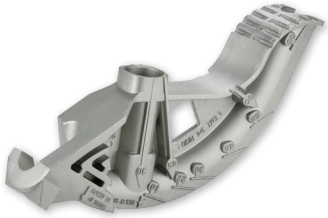
- All models include embossed sight lines for 10°, 22°, 30°, 45°, 60° and 90°.
- Industry-standard markings– 30° bend when handle is straight up.
- Bigger hook with a 5x durability factor.
- Bigger foot pedal– 40% larger.
- More foot room allows for a booted foot.
- Bend-back channel easily corrects conduit over-bends.
- Vise-Mate™ holds conduit while cutting or reaming.



960



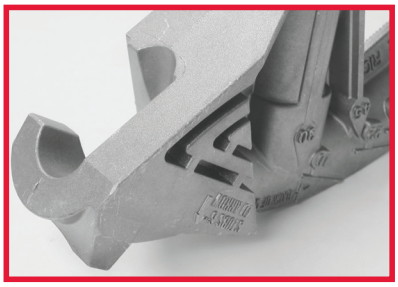




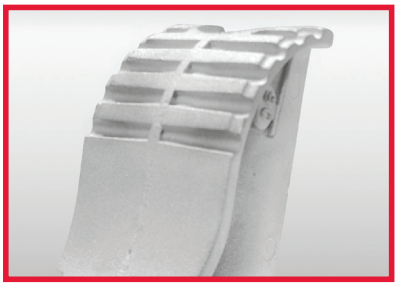
Part Number	960	960H	961	961H	962	962H
Description	Head Only	Head & Handle	Head Only	Head & Handle	Head Only	Head & Handle
Application	½" EMT		¾" EMT / ½" Rigid		1" EMT / ¾" Rigid	
Fits Handle #	BH-75	Included	BH-75	Included	BH-100	Included
Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Weight	1.34 lbs	5.06 lbs	1.58 lbs	5.34 lbs	3.16 lbs	7.01 lbs
Bend Radius	3.69"	3.69"	4.74"	4.74"	5.81"	5.81"
EMT Size	½"	½"	¾"	¾"	1"	1"
Rigid Size	–	–	½"	½"	¾"	¾"



Industry Standard Style
30° bend when handle is straight up



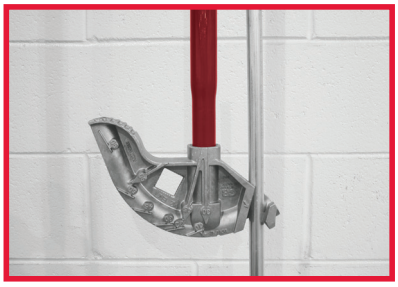
Bigger Hook
With a 5x durability factor



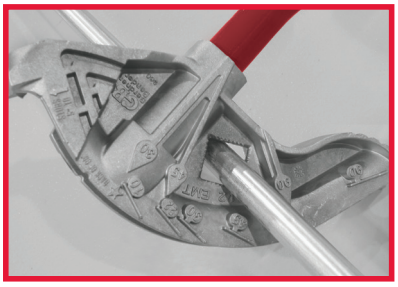
Bigger Foot Pedal
40% larger



More Foot Room
Allows for a booted foot



Bend-Back Channel
Easily corrects conduit over-bends

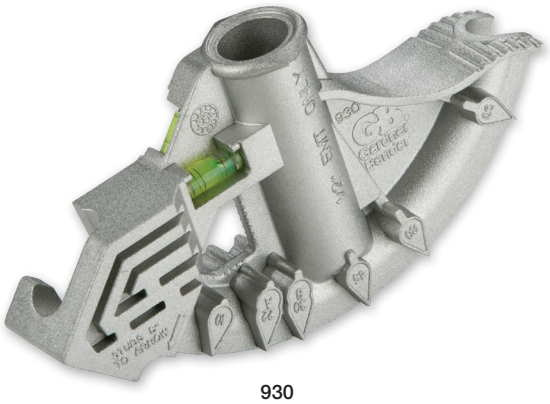


Vise-Mate™
Holds conduit while cutting or reaming

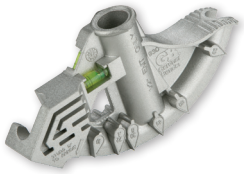
GARDNER™ EMT / RIGID ALUMINUM THINWALL HAND BENDERS (SERIES 930B)

Bends ½" to 1¼" EMT, and ½" to 1" rigid and rigid aluminum 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.

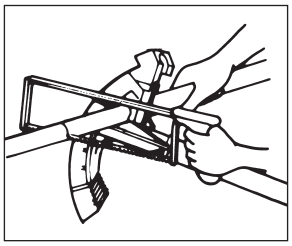


930





Part Number	930B	930H	931B	931H
Description	Head Only	Head & Handle	Head Only	Head & Handle
Application	½" EMT		¾" EMT / ½" Rigid	
Fits Handle #	BH-75	Included	BH-75	Included
Material	Aluminum	Aluminum	Aluminum	Aluminum
Weight	.8 lbs	5.3 lbs	2.3 lbs	6.4 lbs
Bend Radius	5"	5"	6"	6"
EMT Size	½"	½"	¾"	¾"
Rigid Size	–	–	½"	½"



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

These benders available with or without high-strength steel handle.





See page 84
For more info on
Handles

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	930B, 931B, 960, 961	920, 921	3.5 lbs
BH-100*	1" NPT x 44" long	932, 962, 820, 821	922	5.5 lbs
BH-125	1¼" NPT x 54" long	933, 822	923	7.2 lbs

** Patented*

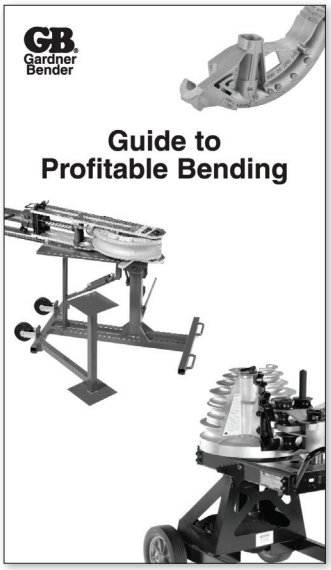
HICKEY BENDING HEADS

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
821	¾"	BH-100	1.2 lbs
822	1"	BH-125	2.2 lbs



E507

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



CM7



CM20

TOOL-GUARD™ METAL STORAGE CASES

Shelter equipment from dust, grease, dirt or loss on the jobsite, maintenance area or shop.

- Constructed of durable heavy gauge steel with quality arc-welded seams.
- Dual rolled-lip design resists sprung hinges, keeps cover aligned, adds rigidity and strength.
- Continuous heavy-duty full length piano hinges stand up to rugged use.
- Bottom skids enhance protection and permit easy forklift movement.
- CM20 recessed closure shields padlock from cutting and prying attempts (lock not included).
- Caster mounting holes on the bottom to attach wheels for easier transportation.
- Painted with durable corrosion resistant powder coated finish.

Part #	Size cu. in.	Inside Dimensions				Shelf Dimensions		Weight
		Length	Width	Rear Height	Front Height	Length	Width	
CM4	4½	31"	14"	14"	14"	–	–	56 lbs
CM7	8	36"	19"	18"	18"	–	–	98 lbs
CM20	28	60"	24"	28"	28"	59½"	5¼"	182 lbs

tip: **Use #5 Master Lock® lock when locking boxes.**

Master Lock® is a registered trademark of Master Lock Company LLC, Oak Creek, WI.

PVC CONDUIT BENDERS

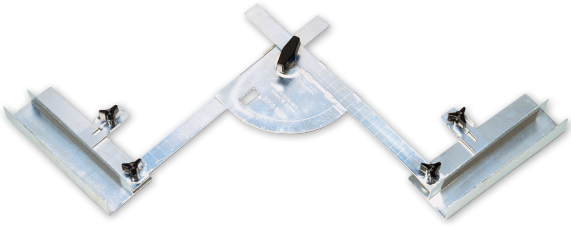
HOTBOX™ PVC BENDER FOR ½" TO 2" CONDUIT (SCHEDULE 40-80)

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" (Not sold separately).
- Dimensions: 29½" x 7" x 7⅛".
- Temperature Range: 0 °F - 450 °F.



BHB-520D



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

Part #	Description	Power Requirements			Weight
		Watts	Volts	Amps	
BHB-520D	½" - 2" HotBox™	450	115/120	12	17 lbs
BHE-50K	Replacement Heating Element	1450	115/120	12	1 lb

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".
- Temperature Range: 0 °F - 400 °F.



BHB-540A

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

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 5–6 RPM for faster bends.
- Large wheels provide job-site portability.
- Allows conduit to be reheated and reformed.
- Dimensions: 74" x 11½" x 14".
- Temperature Range: 0 °F - 400 °F.



BHB-560P

Part #	Description	Power Requirements			Weight
		Watts	Volts	Amps	
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

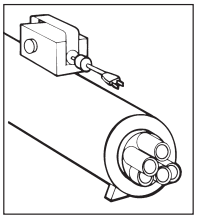
HOTTUBE™ PVC BENDER FOR ½" TO 2" CONDUIT (SCHEDULE 40-80)

This 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".
- Temperature Range: 0 °F - 265 °F.



BHT-520A



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

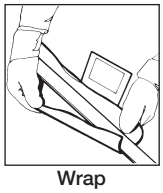
HOTBLANKET™ PVC BENDERS FOR ½" TO 4" CONDUIT (ALL SCHEDULES)

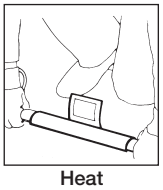
New improvements have made this family of conduit benders the most durable and economical bending system in the industry.

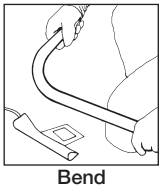
- Highly polished reflector surfaces heat conduit quickly and evenly.
- Power drive model automatically rotates conduit 5–6 RPM for faster bends.
- Large wheels provide job-site portability.
- Allows conduit to be reheated and reformed.
- Dimensions: 74" x 11½" x 14".
- Temperature Range: 0 °F - 400 °F.



BB5150


Wrap


Heat

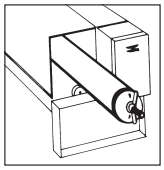

Bend

Part #	Conduit Size	Dimensions (L x W)	Power Requirements			Weight
			Watts	Volts	Amps	
BB5150	½" - 1½"	16" 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

PVC PLUG SET

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.




BVS-240

Part #	Description	Weight	Components	
			Description	Weight
BVS-240	2" - 4" PVC Plug Set	6 lbs	2" PVC Plug	.32 lb
			2½" PVC Plug	.38 lb
			3" PVC Plug	.44 lb
			4" PVC Plug	.44 lb



HOLE MAKING

From single parts to complete kits, Gardner Bender® has versatile, durable hole-making products that contractors depend on. If you need to knockout, punch, notch, drill or insulate, Gardner Bender® has the right tool for the job.

Slug-Out™ Knockouts
- 35 Ton Hydraulic Punch 98
- Draw Studs 96-97
- Hydraulic Slug-Out™ Sets 90-91, 93
- Individual Components 95
- Knockout Mechanical Driver 100
- Mechanical Slug-Out™ Sets 92-93
- Notching Pliers 98
- Super Stainless Steel Slug-Out™ Sets 92-93

Step Bits 99

Stud Punch 99



SLUG-OUT™ KNOCKOUT SETS

SLUG-OUT™ HYDRAULIC KNOCKOUT SETS

- Punches holes for ½" to 4" conduit in distribution boxes, electrical panels or troughs.
- Four point design allows slug to drop automatically without splitting.
- Punches up to 10-gauge mild steel and 12-gauge stainless 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	Weight	I.D. #
PH20	Hand Pump - 2 speed	–	5 lbs	22
KPR7540	for ¾" - 4" Punches & Dies	–	2.5 lbs	23
KPS50*	Stainless Steel Pull Rod, ⅜" dia.	–	.2 lb	24
KC3540**	Converter	–	.4 lb	25

Part #	Description	Hole	Weight	I.D. #
CH1211	12-ton Hydraulic Cylinder	–	6 lbs	26
H864	6' Rubber Hose Coupler	–	2 lbs	27
CM5	Metal Case	–	11 lb	28

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

KOF520 & KOH520A Sets Include:

Part #	Description	Hole	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	1
KD500B	½" Die	⅞"	1 lb	2
KP750B	¾" Punch	1 3/32"	.4 lb	3
KD750B	¾" Die	1 3/32"	1 lb	4
KP1000B	1" Punch	1 1/32"	1 lb	5
KD1000B	1" Die	1 1/32"	1 lb	6
KP1250B	1¼" Punch	1 1/16"	2 lbs	7
KD1250B	1¼" Die	1 1/16"	2 lbs	8
KP1500B	1½" Punch	1 5/16"	2 lbs	9
KD1500B	1½" Die	1 5/16"	2 lbs	10

Part #	Description	Hole	Weight	I.D. #
KP2000B	2" Punch	2⅜"	2 lbs	11
KD2000B	2" Die	2⅜"	2 lbs	12
PF65	Foot Pump (KOF520 only)	–	12 lbs	21
PH20	Hand Pump - 2 speed (KOH520A only)	–	5 lbs	22
KPR7540	Drawstud for ¾" - 4" Punches & Dies	–	2.5 lbs	23
KPS50*	Stainless Steel Drawstud, ⅜" dia.	–	.2 lb	24
KC3540**	Converter	–	.4 lb	25
CH1211	12-ton Hydraulic Cylinder	–	6 lbs	26
H864	6' Rubber Hose Couple	–	2 lbs	27
CM5	Metal Case	–	11 lbs	28

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

KOF540 & KOH540A Sets Include:

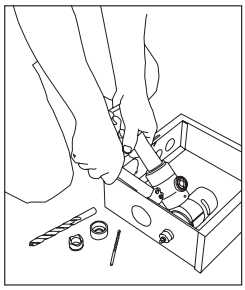
Part #	Description	Hole	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	1
KD500B	½" Die	⅞"	1 lb	2
KP750B	¾" Punch	13/32"	.4 lb	3
KD750B	¾" Die	13/32"	1 lb	4
KP1000B	1" Punch	1 1/32"	1 lb	5
KD1000B	1" Die	1 1/32"	1 lb	6
KP1250B	1¼" Punch	1 1/16"	2 lbs	7
KD1250B	1¼" Die	1 1/16"	2 lbs	8
KP1500B	1½" Punch	1 5/16"	2 lbs	9
KD1500B	1½" Die	1 5/16"	2 lbs	10
KP2000B	2" Punch	2⅜"	2 lbs	11
KD2000B	2" Die	2⅜"	2 lbs	12
KP2500	2½" Punch	2⅞"	3 lbs	13
KD2500	2½" Die	2⅞"	3 lbs	14

Part #	Description	Hole	Weight	I.D. #
KP3000	3" Punch	3½"	4 lbs	15
KD3000	3" Die	3½"	4 lbs	16
KP3500	3½" Punch	4"	4 lbs	17
KD3500	3½" Die	4"	4 lbs	18
KP4000	4" Punch	4½"	4 lbs	19
KD4000	4" Die	4½"	4 lbs	20
PF65	Foot Pump (KOF540 only)	–	12 lbs	21
PH20	Hand Pump - 2 speed (KOH540A only)	–	5 lbs	22
KPR7540	Drawstud for ¾" - 4" Punches & Dies	–	2.5 lbs	23
KPS50*	Stainless Steel Drawstud, ⅜" dia.	–	.2 lb	24
KC3540**	Converter	–	.4 lb	25
CH1211	12-ton Hydraulic Cylinder	–	6 lbs	26
H864	6' Rubber Hose Coupler	–	2 lbs	27
CM5	Metal Case	–	11 lbs	28

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

SLUG-OUT 90™ SET

- ½" to 2" conduit size.
- Right-angle head swivels 360° for flexible punching in tight work spaces.
- Driver punches up to 10-gauge mild steel and up to 12-gauge stainless steel.
- No cumbersome “spacers” required.
- 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
KLP6K1	KLP6 Seal Repair Kit	1 lb

***Set Include:**

Part #	Description	Hole	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	1
KD500B	½" Die	⅞"	1 lb	2
KP750B	¾" Punch	1 3/32"	.4 lb	3
KD750B	¾" Die	1 3/32"	1 lb	4
KP1000B	1" Punch	1 11/32"	1 lb	5
KD1000B	1" Die	1 11/32"	1 lb	6
KP1250B	1¼" Punch	1 11/16"	2 lbs	7
KD1250B	1¼" Die	1 11/16"	2 lbs	8

Part #	Description	Hole	Weight	I.D. #
KP1500B	1½" Punch	1 15/16"	2 lbs	9
KD1500B	1½" Die	1 15/16"	2 lbs	10
KP2000B	2" Punch	2 3/8"	2 lbs	11
KD2000B	2" Die	2 3/8"	2 lbs	12
KLP6	Hydraulic Driver	–	10 lbs	13
KPR7520	Drawstud	–	1 lb	14
KPS50	Drawstud	–	.2 lb	15
KSA50	Drawstud Adapter	–	.3 lb	16

** Storage Case not sold separately.*

SLUG-OUT™ SELF-CONTAINED HYDRAULIC KNOCKOUT SET

- ½" to 2" conduit size.
- Driver punches up to 10-gauge mild steel and up to 12-gauge stainless steel.
- Four-point design allows slug to drop automatically without splitting.
- Hydraulic driver operates in any position.
- 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.

Optional 2½" and 3" punch and die available.



Part #	Description	Weight
KOS520	Slug-Out™ Self-contained Hydraulic Set	14 lbs
KLP2K2	KLP2 Seal Repair Kit	1 lb

***Set Include:**

Part #	Description	Hole	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	1
KD500B	½" Die	⅞"	1 lb	2
KP750B	¾" Punch	13/32"	.4 lb	3
KD750B	¾" Die	13/32"	1 lb	4
KP1000B	1" Punch	1 11/32"	1 lb	5
KD1000B	1" Die	1 11/32"	1 lb	6
KP1250B	1¼" Punch	1 11/16"	2 lbs	7
KD1250B	1¼" Die	1 11/16"	2 lbs	8

Part #	Description	Hole	Weight	I.D. #
KP1500B	1½" Punch	1 15/16"	2 lbs	9
KD1500B	1½" Die	1 15/16"	2 lbs	10
KP2000B	2" Punch	2 3/8"	2 lbs	11
KD2000B	2" Die	2 3/8"	2 lbs	12
KLP2	Hydraulic Driver	–	10 lbs	13
KPR7520	Drawstud	–	1 lb	14
KPS50	Drawstud	–	.2 lb	15
KSA50	Drawstud Adapter	–	.3 lb	16

** Storage Case not sold separately.*

SLUG-OUT™ SET WITH RATCHET WRENCH

- ½" to 2" conduit size.
- Four-point design allows slug to drop automatically without splitting.
- Driver punches up to 10-gauge mild steel and up to 12-gauge stainless 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 Include:**

Part #	Description	Hole	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	1
KD500B	½" Die	⅞"	1 lb	2
KP750B	¾" Punch	1 3⁄32"	.4 lb	3
KD750B	¾" Punch	1 3⁄32"	1 lb	4
KP1000B	1" Punch	1 11⁄32"	1 lb	5
KD1000B	1" Die	1 11⁄32"	1 lb	6
KP1250B	1¼" Punch	1 11⁄16"	2 lbs	7
KD1250B	1¼" Die	1 11⁄16"	2 lbs	8

Part #	Description	Hole	Weight	I.D. #
KP1500B	1½" Punch	1 15⁄16"	2 lbs	9
KD1500B	1½" Die	1 15⁄16"	2 lbs	10
KP2000B	2" Punch	2⅜"	2 lbs	11
KD2000B	2" Die	2⅜"	2 lbs	12
KW52	Hand Ratchet Wrench	–	1 lb	13
KSB50B	½" Bearing & Drive Screw	–	1 lb	14
KS752B	¾" - 2" Bearing & Drive Screw	–	1 lb	15

** Storage Case not sold separately.*

MECHANICAL SUPER STAINLESS STEEL SLUG-OUT™ SET

- ½" - 1¼" conduit size.
- Punches stainless steel up to 10-gauge (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 Include:**

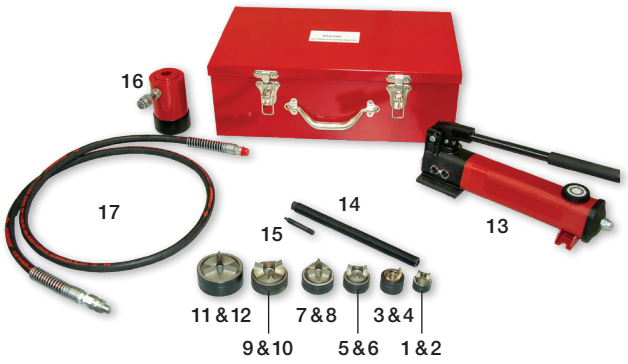
Part #	Description	Hole	Weight	I.D. #
KPS500	½" Punch	⅞"	.4 lb	1
KDS500	½" Die	⅞"	1 lb	2
KPS750	¾" Punch	13⁄32"	.4 lb	3
KDS750	¾" Die	13⁄32"	1 lb	4
KPS1000	1" Punch	1 11⁄32"	1 lb	5

Part #	Description	Hole	Weight	I.D. #
KDS1000	1" Die	1 11⁄32"	1 lb	6
KPS1250	1¼" Punch	1 11⁄16"	2 lbs	7
KDS1250	1¼" Die	1 11⁄16"	2 lbs	8
KSB50B	Bearing and Drawstud for ½"	–	.5 lb	9
KS752B	Bearing and Drawstud for ¾" - 2"	–	1 lb	10

** Storage Case not sold separately.*

HYDRAULIC SUPER STAINLESS STEEL SLUG-OUT™ SET

- ½" - 2" conduit 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 Include:**

Part #	Description	Hole	Weight	I.D. #
KPS500	½" Punch	⅞"	.4 lb	1
KDS500	½" Die	⅞"	1 lb	2
KPS750	¾" Punch	13/32"	.4 lb	3
KDS750	¾" Die	13/32"	1 lb	4
KPS1000	1" Punch	1 11/32"	1 lb	5
KDS1000	1" Die	1 11/32"	1 lb	6
KPS1250	1¼" Punch	1 11/16"	2 lbs	7
KDS1250	1¼" Die	1 11/16"	2 lbs	8
KPS1500	1½" Punch	1 15/16"	3 lbs	9

Part #	Description	Hole	Weight	I.D. #
KDS1500	1½" Die	1 15/16"	2.5 lbs	10
KPS2000	2" Punch	2⅜"	5 lbs	11
KDS2000	2" Die	2⅜"	4.5 lbs	12
PH20	Hand Pump	–	5 lbs	13
KPR7540	Drawstud for ¾" - 2"	–	2.5 lbs	14
KPS50	Drawstud for ½"	–	.2 lb	15
CH1211	12 ton Hydraulic Cylinder	–	6 lbs	16
H864	6' Rubber Hose Coupler	–	2 lbs	17

** Storage Case not sold separately.*

SUPER STAINLESS STEEL SLUG-OUT™ SET

- ½" - 2" conduit 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 Include:**

Part #	Description	Hole	Weight	I.D. #
KPS500	½" Punch	⅞"	.4 lb	1
KDS500	½" Die	⅞"	1 lb	2
KPS750	¾" Punch	13/32"	.4 lb	3
KDS750	¾" Die	13/32"	1 lb	4
KPS1000	1" Punch	1 11/32"	1 lb	5
KDS1000	1" Die	1 11/32"	1 lb	6
KPS1250	1¼" Punch	1 11/16"	2 lbs	7
KDS1250	1¼" Die	1 11/16"	2 lbs	8

Part #	Description	Hole	Weight	I.D. #
KPS1500	1½" Punch	1 15/16"	3.5 lbs	9
KDS1500	1½" Die	1 15/16"	2.5 lbs	10
KPS2000	2" Punch	2⅜"	5 lbs	11
KDS2000	2" Die	2⅜"	4.5 lbs	12
KPR7520	¾" - 2" Drawstud for Hydraulic Driver	–	1 lb	13
KSA50	½" Adapter	–	.3 lb	14
KPS50	½" Drawstud	–	.2 lb	15

** Storage Case not sold separately.*

tip: Use this set to expand your KOS5290 or KOS520.



See page 91
For more info on
Hydraulic Drivers

SLUG-OUT™ SET FOR ½" TO 1¼" CONDUIT SIZE

- Four-point design allows slug to drop automatically without splitting.
- Driver punches up to 10-gauge mild steel and up to 12-gauge stainless 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 Include:**

Part #	Description	Hole	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	1
KD500B	½" Die	⅞"	1 lb	2
KP750B	¾" Punch	1 3⁄32"	.4 lb	3
KD750B	¾" Die	1 3⁄32"	1 lb	4
KP1000B	1" Punch	1 11⁄32"	1 lb	5

Part #	Description	Hole	Weight	I.D. #
KD1000B	1" Die	1 11⁄32"	1 lb	6
KP1250B	1¼" Punch	1 11⁄16"	2 lbs	7
KD1250B	1¼" Die	1 11⁄16"	2 lbs	8
KSB50B	½" Bearing & Drive Screw	–	1 lb	9
KS752B	¾" - 2" Bearing & Drive Screw	–	1 lb	10

** Storage Case not sold separately.*

SLUG-OUT™ SET FOR 1½" TO 2" CONDUIT SIZE

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



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

***Set Include:**

Part #	Description	Hole	Weight	I.D. #
KP1500B	1½" Punch	1 15⁄16"	2 lbs	1
KD1500B	1½" Die	1 15⁄16"	2 lbs	2
KP2000B	2" Punch	2⅜"	2 lbs	3

Part #	Description	Hole	Weight	I.D. #
KD2000B	2" Die	2⅜"	2 lbs	4
KS752B	¾" - 2" Bearing & Drive Screw	–	1 lb	5

** Storage Case not sold separately.*

SLUG-OUT™ ASSORTMENT KIT FOR 2½" TO 4" CONDUIT SIZE

- Expand capability of ½" - 2" sets
- Four-point design allows slug to drop automatically without splitting.
- Driver punches up to 10-gauge mild steel and up to 12-gauge stainless steel.
- Set includes four sizes of punches and dies packed in a sturdy storage case.



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

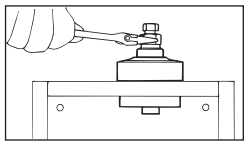
***Set Include:**

Part #	Description	Hole	Weight	I.D. #
KP2500	2½" Punch	2⅞"	3 lbs	1
KD2500	2½" Die	2⅞"	3 lbs	2
KP3000	3" Punch	3½"	4 lbs	3
KD3000	3" Die	3½"	4 lbs	4

Part #	Description	Hole	Weight	I.D. #
KP3500	3½" Punch	4"	4 lbs	5
KD3500	3½" Die	4"	4 lbs	6
KP4000	4" Punch	4½"	4 lbs	7
KD4000	4" Die	4½"	4 lbs	8

** Storage Case not sold separately.*

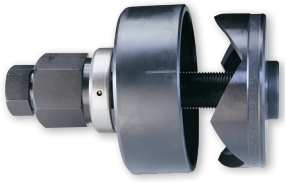
SLUG-OUT™ INDIVIDUAL PUNCH & DIE COMPONENTS





KOM300 Apart

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



KOM300 Assembled

Part #	Weight	Pipe Size	Hole Size	Includes:	Description	Weight
KOS-500B	1.5 lbs	½"	1	KP500B	½" Punch	.4 lb
				KD500B	½" Die	1 lb
				KSB50B	Drive Screw for ½" Punch & Die	1 lb
KOS-750B	1.5 lbs	¾"	1 3/32"	KP750B	¾" Punch	.4 lb
				KD750B	¾" Die	1 lb
				KS752B	Drive Screw for ¾" thru 2" Punch & Die	1 lb
KOS-1000B	1.8 lbs	1"	1 11/32"	KP1000B	1" Punch	1 lb
				KD1000B	1" Die	1 lb
				KS752B	Drive Screw for ¾" thru 2" Punch & Die	1 lb
KOS-1250B	1.75 lbs	1¼"	1 11/16"	KP1250B	1¼" Punch	2 lbs
				KD1250B	1¼" Die	2 lbs
KOS-1250DS	1.8 lbs	1¼"	1 11/16"	KP1250B	1¼" Punch	2 lbs
				KD1250B	1¼" Die	2 lbs
				KS752B	Drive Screw for ¾" thru 2" Punch & Die	1 lb
KOS-1500B	1.8 lbs	1½"	1 15/16"	KP1500B	1½" Punch	2 lbs
				KD1500B	1½" Die	2 lbs
KOS-1500DS	1.9 lbs	1½"	1 15/16"	KP1500B	1½" Punch	2 lbs
				KD1500B	1½" Die	2 lbs
				KS752B	Drive Screw for ¾" thru 2" Punch & Die	1 lb
KOM1732	3 lbs	–	17/32"	KP1732B	17/32" Punch	2 lbs
				KD1732B	17/32" Die	2 lbs
				KS752B	Drive Screw for ¾" thru 2" Punch & Die	1 lb
KOM200	2 lbs	2"	2⅜"	KP2000B	2" Punch	2 lbs
				KD2000B	2" Die	2 lbs
				KS752B	Drive Screw for ¾" thru 2" Punch & Die	1 lb
KOM250	4 lbs	2½"	2⅞"	KP2500	2½" Punch	3 lbs
				KD2500	2½" Die	3 lbs
				KSN2530*	Drive Screw for 2½" & 3" Punch & Die	1.5 lbs
KOM300	5 lbs	3"	3½"	KP3000	3" Punch	4 lbs
				KD3000	3" Die	4 lbs
				KSN2530*	Drive Screw for 2½" & 3" Punch & Die	1.5 lbs
KOM350	10 lbs	3½"	4"	KP3500	3½" Punch	4 lbs
				KD3500	3½" Die	4 lbs
				KS3540	3½" & 4" Drive Screw	4 lbs
				KSN3540	Drive Screw for 3½" & 4" Punch & Die	4 lbs
KOM400	11 lbs	4"	4½"	KP4000	4" Punch	4 lbs
				KD4000	4" Die	4 lbs
				KS3540	3½" & 4" Drive Screw	4 lbs
				KSN3540	Drive Screw for 3½" & 4" Punch & Die	4 lbs
KKT316	Keyway Tool (for use with KOM1732)					

**KSN2530 is the complete Drive Screw & Nut.*



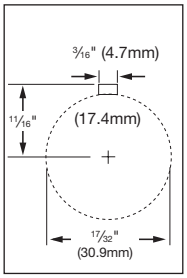
KOS-750B



KOS-500B

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.

DRAWSTUDS

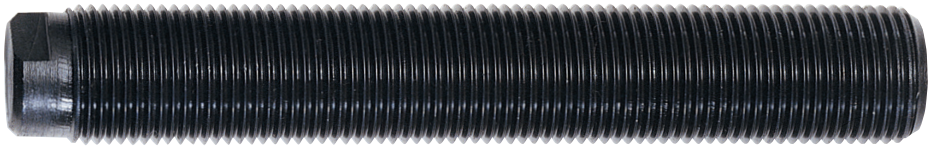
Shown Actual Size



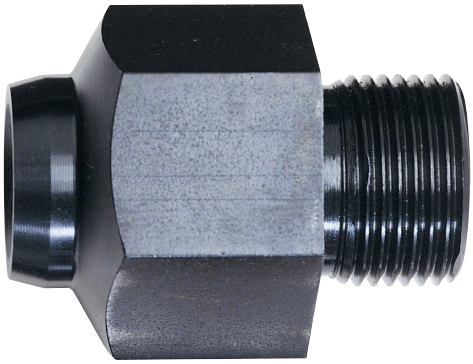
KPS50 2½" x ⅜"



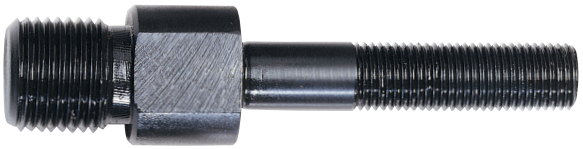
KSA50 1⅜" x ¾"



KPR7540 4$^{13}/_{16}$" x ¾"



KC3540 2⅜" x 1⅛"



KOR50 3" x ⅜"



KPR7540 10$^{5}/_{16}$" x ¾"

DRAWSTUDS

Shown Actual Size



KS3540 Stud 7⅝" x 1⅛"



KSN3540 Hex Drive Nut 2½" x 1⅜"



KS752B
Drawstud & Bearing
4¼" x ¾"



KSB50B
Drawstud & Bearing
2¾" x ⅜"



KSN2530
Stud 6" x ¾" and
Hex Drive Nut 1½" x 1"



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.



SP3500

Part #	Description	Weight
SP3500	35-ton Steel Punch Set	40 lbs

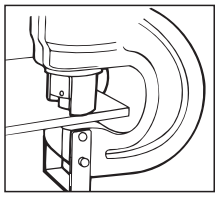
***Set Include:**

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

tip:

Hydraulic Pumps and Hoses recommended for use with SP-3500 Punch:

- HC913 6' Hose
- PH39 Manual Pump
- HC927 10' Hose
- PH80 Manual Pump





See page 76-77
For more info on
Electric Pumps



See page 78
For more info on
Manual Pumps

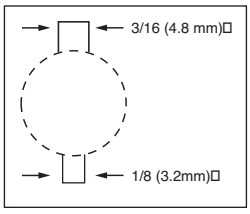
NOTCHING PLIERS

- Creates clean notches for making keyways for push button switches.
- Ergonomically paddled handles for easy use.
- Accommodates up to 10-gauge mild steel.



NP-1

Part #	Description	Weight
NP-1	Notching Pliers	3.3 lbs



STUD PUNCH

- Punches ⅞" holes for ½" conduit or pipe and 1 11/32" holes for ¾" to 1" conduit or pipe.
- Features a spring loaded sleeve that increases the life and accuracy of the punch while providing a smoother cutting action.
- 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".
- Carrying Case Included.



SP-7

Part #	Description	Weight	Punch #	Weight	Die #	Weight
SP-7	Stud Punch w/spring release and ⅞" (22.2mm) or 1 11/32" (34.1mm) size punch.	40 lbs	6 lbs	1 lb	43-95	1 lb



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.



SB-210 SB-209 SB-207 SB-205

Part #	Sizes	Increments	No. of Sizes	Shank Size	Step Thickness	Weight
SB-205	¼" - ¾"	1/16"	10	⅜"	⅛"	1 lb
SB-207	3/16" - ⅞"	1/16"	12	⅜"	⅛"	1.3 lbs
SB-209	7/16" - 1⅛"	1/16"	12	⅜"	⅛"	1.5 lbs
SB-210	¼" - 1½"	⅛"	11	½"	⅛"	1.8 lbs

SLUG-OUT™ KNOCKOUT MECHANICAL DRIVER

Turn your ordinary everyday cordless drill into a powerful knockout driver. You win—with the versatile dual drive, durable all metal construction and powerful gear design! Save time, hassle and money, with Gardner Bender.

Versatile: ready to use quickly in any environment with dual-drive functionality.

Durable: with precision gearing and an all metal housing, this driver was made with heavy-use in mind... Jobsite STRONG!

Powerful: as an addition to your drill, it puts all the power to make clean holes right in your hands.

MADE IN USA

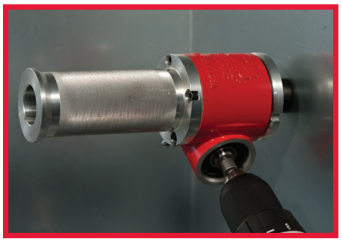


SP3500

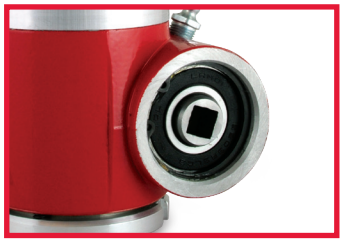
FEATURES:

- All metal construction—Provides maximum durability in tough job site conditions.
- Tactile grip—Allows for better control when in use.
- Dual drive—Allows unit to be driven from both sides and any angle.
- Universal draw stud design—works with most competitive draw studs to provide maximum jobsite versatility.

Part #	Includes:
KOMD1	Mechanical driver, adapter, case and draw studs
KOM520A	Mechanical driver, ½"–2" knockout set, adapter, step bit, case and draw studs



Tactile grip



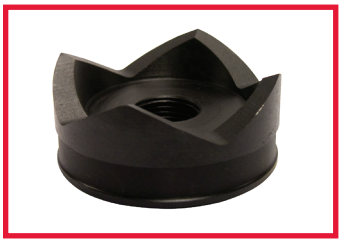
⅜" Dual square drive



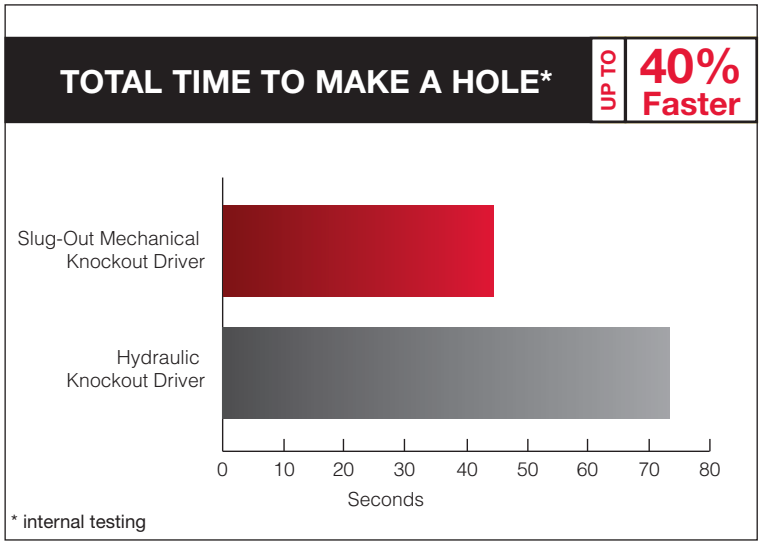
Great for tight spaces



Multiple angles



Self-centering punch and dies



SNAP-IN SEALS (½" TO 2")

Convenient snap-in feature for quick installation.

- Zinc-plated to resist corrosion.
- Not waterproof.

Part #	Package Quantity	For Knockout Diameter
601	100/box	½"
602	100/box	¾"
603	50/box	1"



See page **94-95**
For more info on
Knockouts



601

KNOCKOUT SEALS (½" TO 4")

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; ⅜" thread.
- Not waterproof.

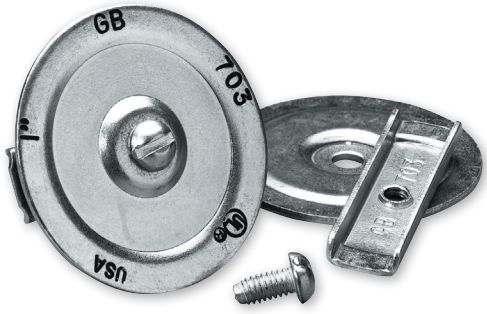
¾"	Package Quantity	For Knockout Diameter
KO701	100/box	½"
KO701C	5/clam	½"
KO702	50/box	¾"
KO702C	3/clam	¾"
KO703	25/box	1"
KO704	25/box	1¼"
KO705	10/box	1½"
KO706	10/box	2"
KO707	10/box	2½"
KO708	10/box	3"
KO709	10/box	3½"
KO710	10/box	4"



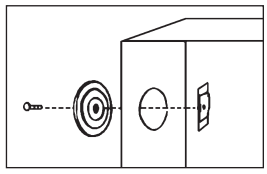
See page **91**
For more info on
Hydraulic Drivers



See page **96-97**
For more info on
Draw Studs



KO701C





CONDUIT FISHING

Gardner Bender® offers a complete range of solutions for conduit fishing and cable pulling, with the contractor in mind. From fishtapes to powered cable pullers, our products are designed around durability, innovation and ease of use.

Conduit Installation Chart 104

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CONDUIT INSTALLATION CHART

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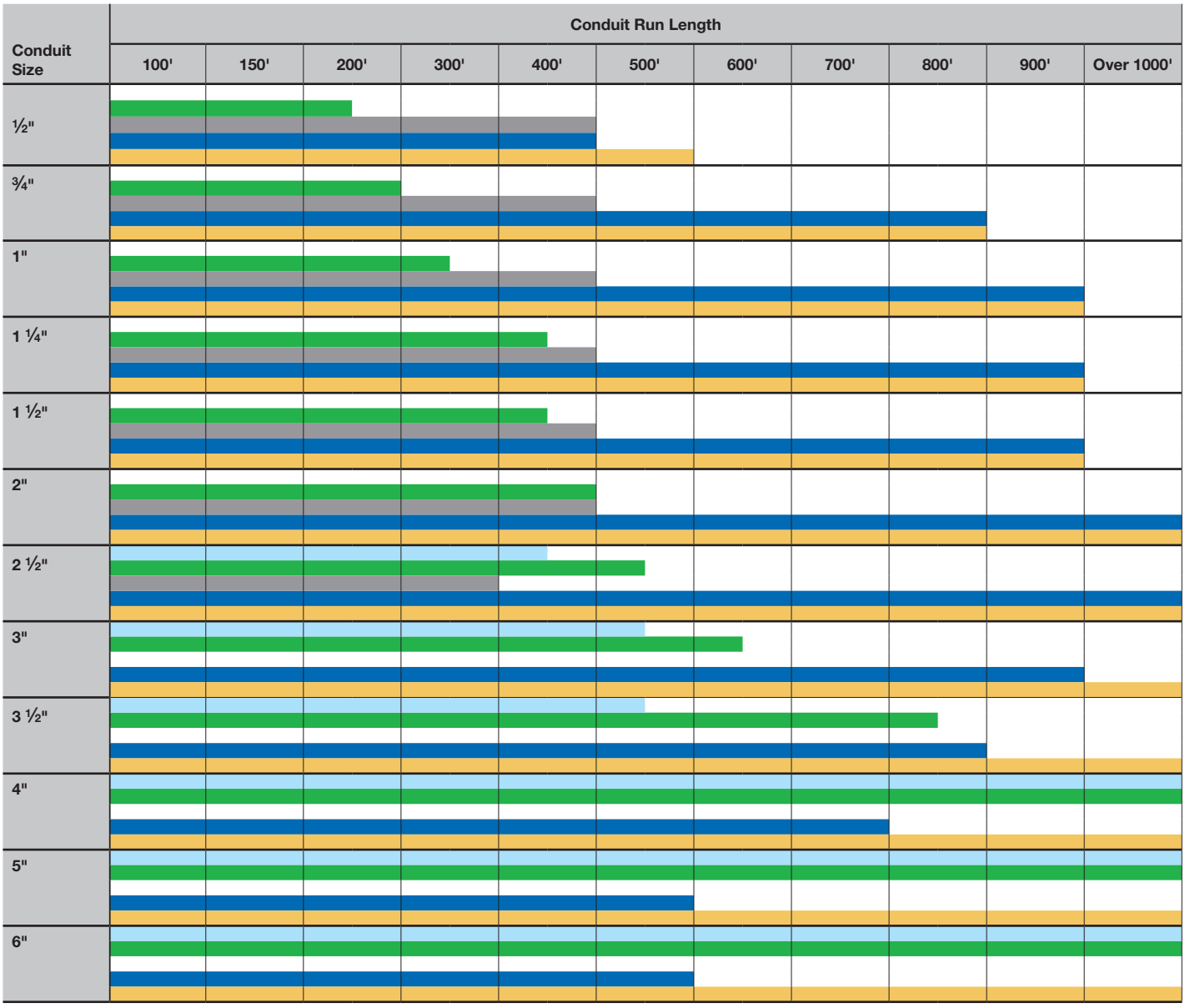
Super Blo-Vac™ System (BV208DA) Page 105

Powr-Pak I™ 5-lb Portable System (JO25) Page 107

Powr House™ System with 20-lb CO2 (JO225LC + 1208) Page 107

Powr House™ System with 50-lb CO2 (JO225LC + 950) Page 107

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 (200lb test) and foam line carriers.



BLOWER SYSTEMS

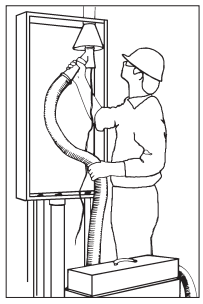
INNOVATION JETLINE® SUPER BLOWER™ SYSTEM

The most powerful blower system in the market.

- Blower unit delivers more than enough air pressure to blow ½" Poly-Pull™ rope 1000' or more through conduit up to 6" diameter.
- Lightweight and compact (24" x 7½" x 8¼") power unit can be hand-carried 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.
- System includes 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.
- Can use pull rope and True Tape® conduit measuring tape simultaneously.
- Power Consumption 2.65 kw.
- 3 motors (1½ hp each).



B60



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

See page 106 for system components.

Technical Specifications

	B60 Jetline® Super Blower™	BV208DA Super Blo-Vac™
Voltage	120	120
Frequency	60 Hz	60 Hz
AMPS	23	13.8
Inches Water Lift (sealed)	85-92	130-135*
P.S.I	3.31	4.86*
CFM	270	92
No. of Motors	3	1
Impeller Stagers (Fans)	2	3
Thermal Overload	Yes	No

	B60 Jetline® Super Blower™	BV208DA Super Blo-Vac™
Motor Type (Cooling)	Flow Through	By-Pass
Handling	Portable	Cart
Recovery Cap. (Gals)	–	9**
Height with Cart (Inch)	–	41
Motor Brush Life (Hours)	–	750
Weight	35 lb	50 lb
Hose Dia. (Inch)	2½	1½
Length (Feet)	25	8

*Will vary with voltage and atmospheric conditions.
** When using recovery compartment and tool storage compartment together.

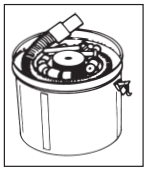
BV208DA



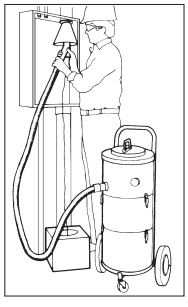
SUPER BLO-VAC™ SYSTEM

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 Dial-A-Line™ Seal-offs, The Inflatables® 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.

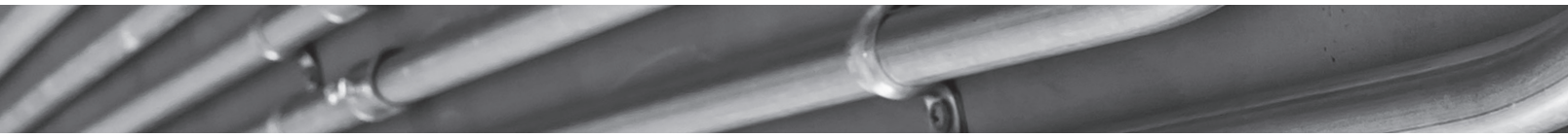


Tool Storage Compartment



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

See page 106 for system components.



System Components					Blower System:			
Component	**Specification**	**Part #**	**Weight**	**I.D.#**	**B60**	**BV208DA**	**JO225LC**	**JO25**
Seal-offs and Hoses	25' x 2½" Heavy-duty Hose*	126025*	12 lbs	1	✓			
	Large Dial-A-Line™ Seal-off Body	B26	.7 lb	2	✓	✓		
	Seal-off for 2½" - 6" conduit	BV24	3.3 lbs	3	✓	✓		
	Seal-off for 1¼" - 2½" conduit	JV12	.3 lb	4		✓		
	Dial-A-Line™ Seal-off- Body	JV07	.2 lb	5		✓		
	Short Seal-off for ½" - 1¼" conduit	JV08	.1 lb	6		✓		
	Long Seal-off for ½" - 1¼" conduit	JV09	.1 lb	7		✓		
	Seal-off for 1¼" - 2½" conduit	BV23	.3 lb	8		✓		
	Hose Adapter (to Dial-A-Line™ body)	BV12	.1 lb	9		✓		
	8' x 1½" Heavy-duty Hose	12568	3.3 lbs	10		✓		
	Seal-off for 1½" - 6" conduit	1206	5.2 lbs	11			✓	
	12' Valve Assembly with hose**	1105A**	3.6 lbs	12			✓	
	Seal-off for ½" - 1" conduit with 2' hose	1215	.4 lb	13			✓	✓
	2' hose seal-off for 1¼" - 2½" conduit	1216	.8 lb	14			✓	✓
	Angle Adapter (for 1215 Seal-off)	1142	.1 lb	15			✓	✓
	Refill Connector (with 1137 Cone)	RV5	.8 lb	16				✓
Line Packages	450' Line Pkgs for ¾" conduit	LP3450	1.4 lbs	17		5		
	300' Line Pkgs for 1" conduit	LP4300	.8 lb	18		5		
	450' Line Pkgs for 1" conduit	LP4450	.8 lb	19		5		
	400' Line Pkgs for 1¼" or larger conduit	LP2206T	.6 lb	20		2	3	
	800' Line Pkgs for 1¼" or larger conduit	LP2207T	1 lb	21		2	3	
	600' Line Pkgs for 1¼" or larger conduit	LP2208T	.9 lb	22			3	
	300' Line Pkgs for ¾" conduit	LP4300	1.1 lbs	23			5	5
	1000' Nylon Bulk Line	LP1701	4 lbs	24				1
	2200' Nylon Bulk Line	LP1722	7 lbs	25				1
	300' Line Pkgs for ¾" conduit	LP3300	.9 lb	26		5	10	5
	150' Line Pkgs for ½" conduit	LP2150	.8 lb	27		10	10	10
Missile Line Carriers	Missile Line Carrier for 5" conduit (w/rope eye)	M5000	.4 lb	28	1			
	Missile Line Carrier for 6" conduit (w/rope eye)	M6000	.5 lb	29	1			
Foam Line Carriers	Foam Line Carrier for ½" conduit	FC1	.1 lb	30		1	1	5
	Foam Line Carriers for ¾" - 4" conduit	FC2-10	1 lb	31		1 of each	1 of each	
	Foam Line Carrier for 5" conduit	FC11	.1 lb	NS			1	
	Foam Line Carrier for 6" conduit	FC12	.1 lb	NS			1	
Inflatable Line Carriers	The Inflatables® Line Carrier for ¾", 1" & 1 ¼" conduit	F125	.6 lb	32		1		4
	The Inflatables® Line Carrier for 1½", 2" & 2 ½" conduit	F250	.6 lb	33		1		2
	The Inflatables® Line Carrier for 3", 3 ½" & 4" conduit	F400	.3 lb	34	1	1		
Other Components	Power Unit	B3000	34 lbs	35	✓			
	Crevice Tool (for clean-up)	BV1281	.1 lb	36		✓		
	Filter Bag (for vacuuming)	JV210	.1 lb	37		✓		
	Cart	1525	25 lbs	38		✓		
	5-lb-capacity CO_2 Cylinder w/valve (full)	1103N	18 lbs	39				✓
	Shoulder Strap***	1102***	.4 lb	40				✓

**Order catalog number Z901152 to replace hose cuff end as necessary*
***Order UG121112 for hose and coupling assembly.*
****Not sold separately*

NS = Not Shown

CO_2 SYSTEMS

GB INNOVATION POWR HOUSE™ CONDUIT FISHING SYSTEMS

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
JO225LC	Powr House™ Conduit Fishing System without CO2 Cylinder	40 lbs
950	50 lb CO_2 Cylinder (full) (JO250 only)	161 lbs
1208	20 lb CO_2 Cylinder (full) (JO220 only)	58 lbs



JO225LC & 950
(50 lb Cylinder)

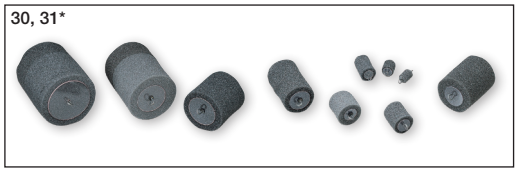


J0225LC & 1208
(20 lb Cylinder)

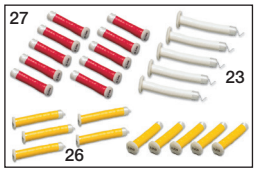


JO225LC Powr House™
CO^2 System w/o Cylinder

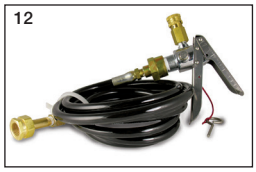
Accessories included with JO225LC



*FC11, FC12 not shown

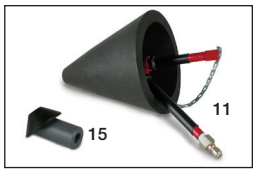












See page 106 for system components.

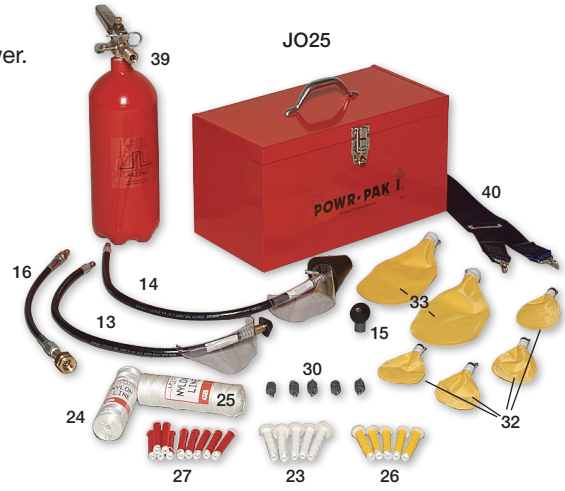
POWR-PAK I™ 5-LB PORTABLE SYSTEM

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.

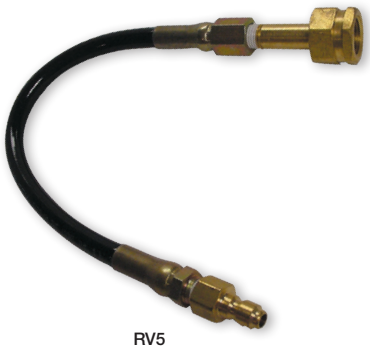
See page 106 for system components.

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





PULL LINE / LINE CARRIERS



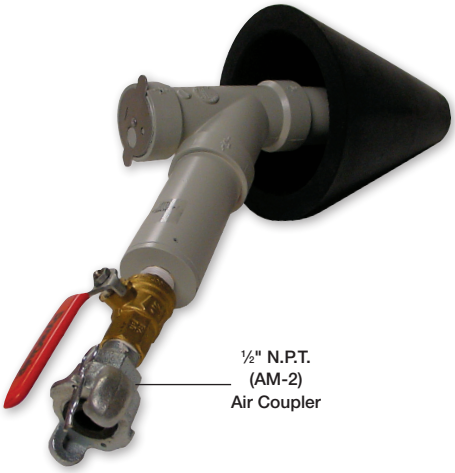
RV5

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



CB21V

AIR COMPRESSOR SEAL-OFF

Use with most commercial air compressors to blow pull line into conduit or duct. For use with 2½" to 6" conduit sizes.

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

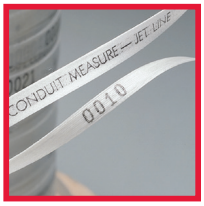
⚠ CAUTION Use in 2½" - 6" conduit only. To avoid rapid pressure build-up, do not use on smaller sizes of conduit.

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

Sold as complete assembly only.



ST40



SUPER TRUE TAPE®
CONDUIT MEASURING TAPE

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

- Strong and durable.
- Breaking strength of 165 lbs.
- Mildew and rot-resistant.
- Measured in feet.

Part #	Description	Dimensions	Weight
ST40	Super True Tape® Measuring Tape	2750' Roll x ¼" wide	3.6 lbs



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	.3 lb
F250	5/bx	The Inflatables® Line Carrier for 1½", 2" & 2½" conduit	.3 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	.4 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)	.2 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)	.3 lb
M6000	1/bg	Missile Line Carrier for 6" conduit (w/rope eye)	.4 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	.1 lb
FC2	10/bx	Foam Line Carrier for ¾" conduit	.1 lb
FC3	10/bx	Foam Line Carrier for 1" conduit	.2 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	.4 lb
FC8	5/bx	Foam Line Carrier for 3" conduit	.8 lb
FC9	2/bx	Foam Line Carrier for 3½" conduit	.4 lb
FC10	2/bx	Foam Line Carrier for 4" conduit	.8 lb
FC11	2/bx	Foam Line Carrier for 5" conduit	.9 lb
FC12	2/bx	Foam Line Carrier for 6" conduit	.9 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
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
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'	85 lbs	2.5 lbs
LP1722	6/bx	Heavy-duty Bulk Nylon Line	2200'	85 lbs	6.3 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
PL232	Poly-Pull™ Line in dispenser box	6500'	210 lbs	⅛"	Blue tracer	11 lbs
PL232B	Poly-Pull™ Line in bucket	6500'	210 lbs	⅛"	Blue tracer	11 lbs
PL235B	Poly-Pull™ Line in bucket	2200'	500 lbs	3⁄16"	Red tracer	16 lbs



NOTES

FISH TAPES & ACCESSORIES



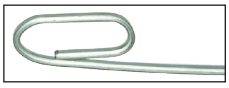
FTS-125R

UPPERHAND™ FISH TAPE

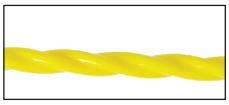
Gardner Bender's series of UpperHand™ fish tapes has improved traditional hand fishing with the first ergonomic fish tape in the industry. The improved design is manufactured with impact-resistant ABS and nylon resins and includes a full, wrap-around interior ring to increase durability. The UpperHand™ series is backed by an industry leading 5-year limited warranty.

- Ergonomic Handle reduces wrist strain and provides unparalleled ease-of-use.
- Comfort Formed Grip reduces forearm strain.
- Wrist-saver Handle makes carrying the fish tape easy.
- Impact Modified Handle and Housing that exceeds the 25 ft drop-test.
- Plated Steel Wire resists corrosion (certain models).

A TAPE FOR EVERY JOB



Corrosion-Resistant Plated Carbon Steel (R series)
The toughest, most durable tape for long-lasting use.



Non-Conductive Filament
Non-conductive tip and high stiffness, abrasion resistant tape will not splinter like fiberglass tapes.

Five Year Warranty



FTS-65R



FTS-125R



FTS-250R



FTP-100R

	FTS-65R	FTS-125R	FTS-250R	FTP-100R
Tape Length	65'	125'	250'	100'
Tape Material	Corrosion-Resistant Plated Carbon Steel			Non-Conductive Filament
Pkg Qty	1/card	1/card	1/card	1/card
Handle / Housing Material	Nylon / ABS	Nylon / ABS	Nylon / ABS	Nylon / ABS
Tape Dimensions	⅛" W	⅛" W	⅛" W	⅛" W
Weight	3.0 lbs	5.2 lbs	8.2 lbs	2.2 lbs
Internal / External Ring Dia.	4" / 8½"	5½" / 12"	5½" / 12"	6¼" / 12"



Ergonomic Handle
Reduces fatigue and wrist strain by allowing the user to keep their wrist in a natural position.



EFT-15



MINI CABLE SNAKE™

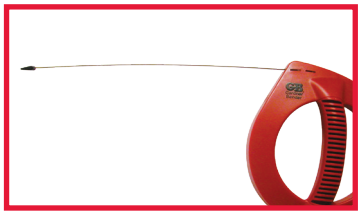
Innovative, ultra-compact 15' fish tape.

- Feed under carpets, over drop ceilings and down walls.
- Perfect for short runs - installing speakers, home networks, cable and other common electrical uses.
- Durable, high-impact housing resists breaking.
- Low-memory tape does not curl during extension – perfect for non-conduit situations.
- Compact, rugged design can be stored in tool belt or box

Part #	Description	Weight
EFT-15	15' Cable Snake™ Fish Tape	0.5 lbs



EFT-21PN
Patented



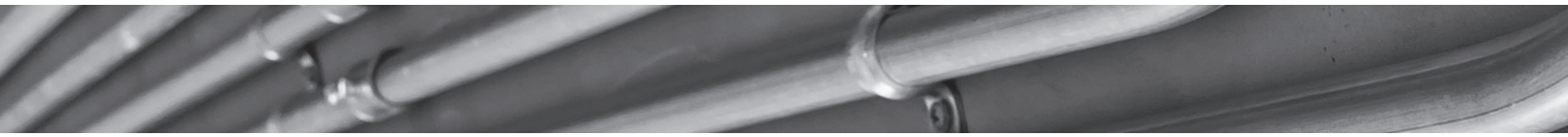
25' Cable Snake™
Low memory tape does not curl when extended, making it ideal for fishing overhead or through walls

CABLE SNAKE™ STEEL FISH TAPE

Perfect for short runs installing electrical boxes, outlets, lighting fixtures, doorbells and security systems.

- Compact design houses 25' of tape and fits in tool box or on tool belt.
- Flat wire steel tape fishes down walls, under carpets and over ceilings.
- Wedge-shaped tip prevents hang-up.
- Low-memory tape does not curl during extension - perfect for non-conduit situations.
- Formed handle fits easily in hand.
- Compact tape rewind knob for quick wind-up.
- Tape is ¼" wide x .03" thick.

Part #	Description	Weight
EFT-21PN	25' Cable Snake™ Fish Tape	1.10 lbs





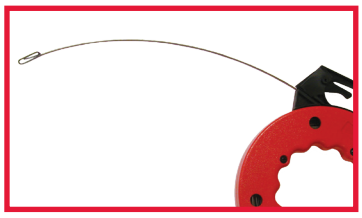
FTS-50B

STREAMLINE™ STEEL FISH TAPE

Setting the industry standard for quality and dependability.

- Tape is wound directly into housing; no need to "snap" retaining tapes; no sticky residue inside housing.
- 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 show how much tape remains.
- Easy disassembly for fast replacement of tape.
- Maximum design strength 500 lbs.
- Corrosion resistant zinc-plated tape.

Part #	Description	End Type	Reel Dia.	Weight
FTS-50B	50' x ⅛" x .045" Fish Tape	Curled	8½"	2.3 lbs



Standard Steel Fish Tape
High stiffness and straightness makes it ideal for fishing through conduit



EFT-50B

ECONOMY FISH TAPE

Economical 50' tape.

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

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

FISH STICKS

FISH TAPE BALL



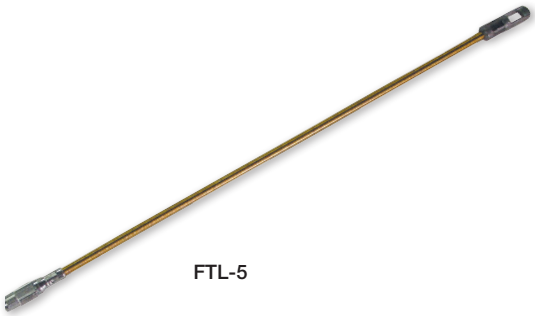
FTB-10

Eye holds 2 #10 - 4 #14 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



FTL-5

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

- Double-sheathed to prevent unraveling. Brass plated for corrosion resistance.
- Spring Coil easily curves around bends, yet is rigid enough to fish smoothly through conduit with existing wire.
- High strength – tested at 400 lb tensile strength.
- Attaches directly to ⅛" tapes.

Part #	Description	Dimensions	Weight
FTL-5	Fish Tape Leader, Multi-Flex™	14"	0.5 lbs

FISH EASE™ 12' FISH STICKS



FTX-12L

- 4 durable interlocking fiberglass tubes extend up to 12' (3' sections).
- ¼" diameter ensures rigidity when extended.
- Bullet nose and hook attachment for grabbing wire.

Part #	Description	Dimensions	Weight
FTX-12L	Fish Ease™ 12' Fish Sticks	(4) 3' sections x ¼"	1 lb
FTX-312	Fish Ease™ 12' Fish Sticks	(4) 3' sections x ¼"	1 lb

GLO FISH™ 15' GLOW IN THE DARK FISH STICKS



FTX-15GL

- 5 interlocking fiberglass tubes extend up to 15' (3' sections).
- Made from luminescent fiberglass to make fishing through walls or over ceilings easier.
- ¼" diameter ensures rigidity when extended.
- Bullet nose and hook attachment for grabbing wire.

Part #	Description	Dimensions	Weight
FTX-15GL	Glo Fish™ 15' Fish Sticks	(5) 3' sections x ¼"	1 lb

CABLE PULLERS AND ACCESSORIES

ULTRA BRUTUS™ CABLE PULLER

Leading the heavy-duty class, the Ultra Brutus™ 10,000 lb Cable Puller takes both the labor and the labor cost out of cable pulls. Commercial electrical contractors that need both equipment and operator to be ready at all times will appreciate its flexible operation, mobility and labor saving features.

The Ultra Brutus™ comes fully assembled from the factory with no loose parts, no tools needed, and can be completely set-up by one person. It features a 1.7 HP motor engineered to provide consistently strong pulling power at less amperage, which adds durability and a steady pull speed.



The Gardner Bender Ultra Brutus™ 10,000 lb. puller has an innovative design that features a one person set-up in under two minutes and the ability to run at max capacity for short bursts of power.

Part #	Description	Weight	Recommended Rope	Pulling Force	Motor
CP10K	Ultra Brutus™ Cable Puller	385 lbs	⅞" diameter double braided rope	10,000 lbs	1.7 Hp

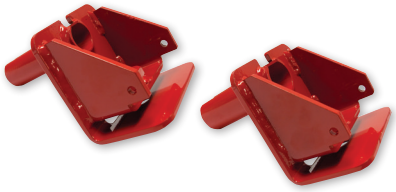


CP10K
Patented

CONDUIT ADAPTERS

Gardner Bender® offers extra conduit adapters for smaller jobs.

Part #	Description
CP10-242	Conduit Adapter, 1-¼"
CP10-243	Conduit Adapter, 1-½"



Fast 1 person set-up



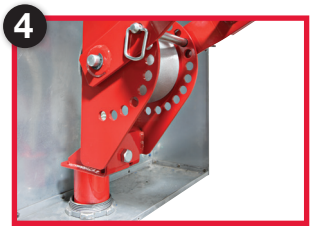
Pump main boom to 30°



Flip booms into position and lock



Align with conduit, properly adjust booms



Place in conduit



Requires no assembly
Space saving design
- Folds to 61" L x 28" W x 39" H
- Footswitch included





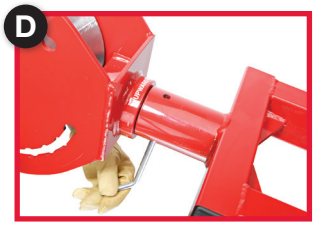
5 conduit adapters
- 2" - 4" adapters stored conveniently onboard
- Doesn't need to be fastened to conduit



Extended boom
- Allows 12' of cable to be pulled from the conduit to the capstan



Quick tool-less angle adjustment
- Spring loaded pin reduces risk of loss
- Faster positioning saves time
- Adjusts up to 300°



Easily change pulling direction
- Only requires one person
- Doesn't require disassembly
- Speeds up and simplifies set-up
- Safer for the user
- No tools required



Hydraulic assisted boom lift/ one person setup
- Set-up in 2 minutes with 1 person
- Designed for optimal safety
- Adjust boom to any angle



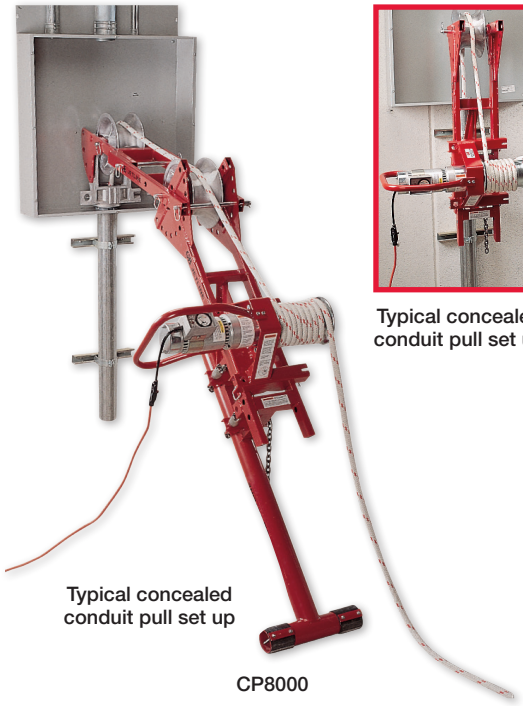
10,000 lb. pulling capacity
- Non-reversing planetary gear motor for consistent pulling power up to 10,000 lbs for short bursts of pulling power



Swiveling casters
- Moves easily on dirt and gravel
- Flat-free wheels



No assembly required/ fast setup
- No loose parts
- No tools required
- Includes footswitch



Typical concealed conduit pull set up

CP8000

Typical concealed 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 backstop 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.
- Heavy-duty metal case included.
- Min 15 A, Max 30 A

Part #	Description	Weight
CP8000	Brutus™ Powered Puller for exposed or concealed conduit	375 lbs



CP8000

CP8000 Includes:

Part #	Qty	Description	Weight	I.D. #
	1	Power Head	60 lbs	1
CP503	3	2' Chain Assembly	3 lbs	2
CP505	5	8" Lock Pins	7 lbs	3
CP601	1	Conduit Frame Adapter	55 lbs	4
S-8512	3	12" Sheave	7 lbs	5
CP622	3	10" Lock Pins	3 lbs	6
CP631	1	Boom Extension	18 lbs	7
CP701	1	Puller Base Extension	25 lbs	8
CP702	1	Coupling Clamp	8 lbs	9
CP703	1	Adjustable Pipe Adapter	22 lbs	10
CP706	1	3" Conduit Coupling	5 lbs	11
CP707	1	3½" Conduit Coupling	4 lbs	12
CP708	1	4" Conduit Coupling	3 lbs	13
CP709	1	6" Lock Pin	2 lbs	14
HS-8512	1	12" Cable Sheave with Hook	20 lbs	15
CM20	1	Metal Case with Casters	133 lbs	16

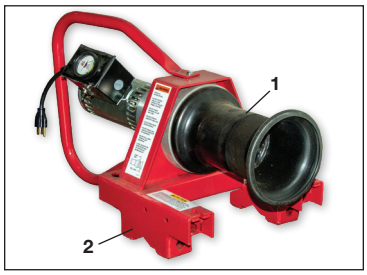
BRUTUS™ POWERED PULLER SUB-ASSEMBLY KITS

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

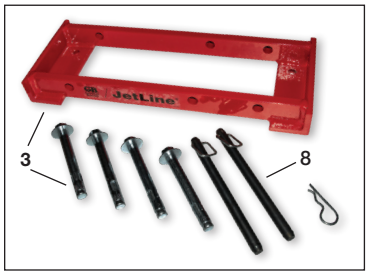
CP8000 Includes:

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	33 lbs	3
			CP622	2	10" Lock Pins	3 lbs	8
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	21 lbs	CP622	3	10" Lock Pins	3 lbs	8
			CP631	1	Boom Extension	18 lbs	9
CP700	**Puller Base Extension Kit**	84 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

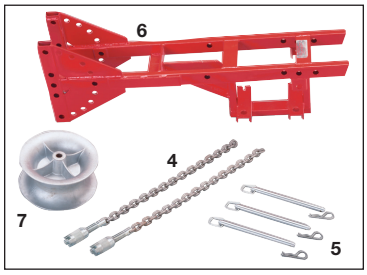
**Complete with 1¾"x 5½"concrete wedge anchors.*



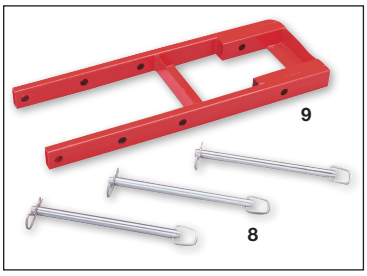
CP800



CP80



CP600



CP630



CP700

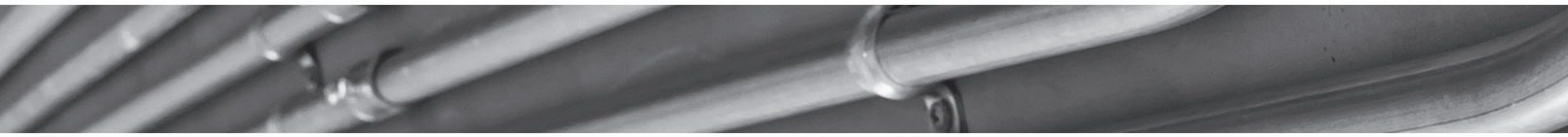
OPTIONAL EQUIPMENT

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

Part #	Description	Weight	I.D. #
CP709	6" Lock Pin	2 lbs	1
HS-8512	12" Cable Sheave with Hook	20 lbs	2
CP10	Load Readout (meter only CA1064001)	3 lbs	3
CP15	Foot Switch for Remote Operation	4 lbs	4
CP504	6' Chain Assembly	6 lbs	5
CP704	2" Conduit Coupling	7 lbs	6
CP705	2½" Conduit Coupling	6 lbs	7
CP806	Capstan (standard) 10'/min.	7 lbs	8

***See Appendix A for Brutus™ Puller Application Instructions. Pg. 170 - 172**







HS-8512

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



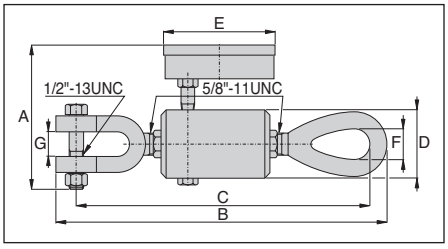
TM5

WIRE & CABLE-PULLING TENSION METER

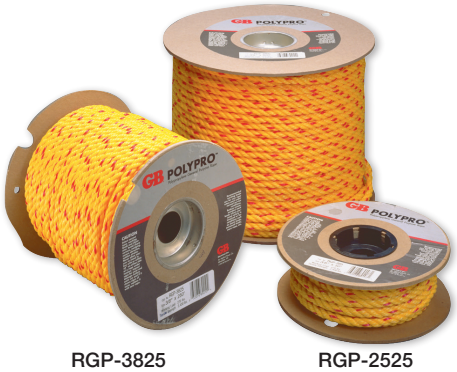
Monitors tension throughout the pull to prevent over-stressing cable. Perfect for use with powered pullers.

- 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



RGP-3860



RGP-3825 RGP-2525

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-3825	⅜" x 250'	243 lbs	10 lbs
RGP-3860	⅜" x 600'	243 lbs	23 lbs
RGP-5025	½" x 250'	420 lbs	18 lbs

⚠ WARNING Not recommended for powered cable pulling.

LUBRICANTS

WIRE-AIDE™ WIRE-PULLING LUBRICANT

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

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.

POLY-GEL™ CABLE-PULLING LUBRICANT

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

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 °F to +200 °F • All Season Poly-Gel™ -10 °F to + 180 °F.

SUPER-SLICK™ CABLE-PULLING LUBRICANT

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

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 °F 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.

79-003



79-202

79-401

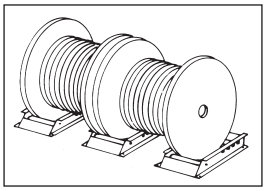
Wire and Cable Pulling Lubricant Specifications

	Wire-Aide™	Poly-Gel™	All Season Poly-Gel™	Super-Slick™
Base	Wax, modified	Poly-oxyethylene/Water	Polyethylene polymer	Water
Color	Yellow	Blue	Lime Green	White
Viscosity	66,000 - 94,000 cps @ 10 rpm	70,000-110,000 cps @ 10 rpm	70,000-110,000 cps @ 10 rpm	12,000-20,000 cps @ 10 rpm
pH	Approx. 6.5 - 8.0	6.5 - 8.5	Approx. 6.5 - 8.5	7.5 - 9.0
Freezing Point	32 °F	32 °F	18 °F	32 °F
Freeze-Thaw Stability	OK/3 cycles	Excellent	OK/3 cycles	Excellent
Lubricity	Excellent	Excellent	Excellent	Excellent
Shelf Life	Indefinite	Indefinite	Indefinite	Indefinite
Corrosion Test	Non-corrosive to metals	Non-corrosive	Non-corrosive to metals	-
Staining Properties	Non-staining to hard surfaces	Non-staining	Non-staining to hard surfaces	Non-staining
Removal	Soap and hot water	Soap and water	Soap and water	Water Rinse
Abrasion Protection	Excellent	-	-	Excellent
Cling Ability	Excellent	Excellent	Excellent	Excellent
Water Resistance	Repels water to some extent	-	-	-
Hardening Character	Non-hardening	-	-	Non-Hardening
Condition on Drying	Waxy film	Semi-fluid film	Lubricious film	Slick film
Flash Point	Non-combustible	Non-combustible	Non-combustible	Non-combustible

MATERIAL HANDLING



WRR-100



HANDY-SAVER™ REEL ROLLER

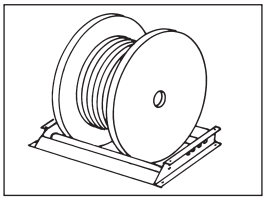
Durable roller base that permits fast, easy loading and re-loading.

- 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



WRR-300



30" REEL ROLLER

Holds reels up to 30" diameter; 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.

50 lbs	Description	Weight
WRR-300	30" Reel Roller	50 lbs



TRJ-56



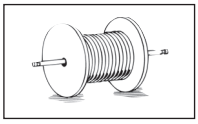
TRJ-96

TELESCOPING REEL JACKS

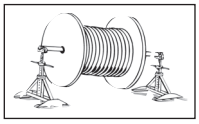
Easily set up in minutes to dispense or take up wire, cable, rope or hose.

- 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.

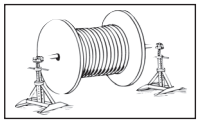
		Jack Height	Reel Capacity		
50 lbs	**Dimensions**	**Range**	**Size**	**Weight**	**Weight**
TRJ-56	14½" L x 15" W	13" to 28"	28" to 56"	2500 lbs. (ea.)	25 lbs
TRJ-96	24" L x 16" W	22" to 54"	46" to 96"	2500 lbs. (ea.)	49 lbs



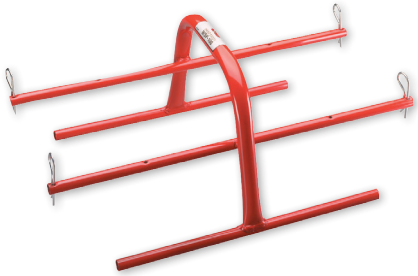
Insert spindle through center of reel.



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.



WSP-100E

HAND WIRE 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:

- 8 reels, each 7" diameter and 5" wide
- 4 reels, each 7" diameter and 6" - 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-140 Assembled

WSP-140 Unassembled

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 channel allows up to two hand caddies to attach to cart.
- Holds up to:

- 4 - 8 reels, each 5" - 7" diameter and 5" - 10" wide
- 4 reels, each 10" - 12" diameter and 7" wide
- 2 reels, each 15" - 18" diameter and 14" wide

Part #	Description	Dimensions	Weight
WSP-140	Spool Caddy w/ WSP-100E	22" L x 16" W x 43" H	27 lbs



WSP-144

DELUXE SPOOL CART & CADDY COMBO

- Holds up to 23 500' spools or two 2,500' 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:
  - 10 - 23 reels, each 5" - 7" diameter and 5" - 10" wide
  - 4 reels, each 10" - 12" diameter, 7" wide
  - 2 reels, each 15" - 18" diameter, 14" wide
- Hand Caddy (WSP-100E) is easily attached to and detached from cart using a special channel.

Part #	Description	Dimensions	Weight
WSP-144	Deluxe Spool Caddy	22" L x 18½" W x 43" H	28 lbs



WSP-150

HEAVY-DUTY SPOOL CADDY

- 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, NM wire 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 up to:

- 4 reels, each 10" diameter and 15" wide
- 3 reels, each 12" - 14" diameter
- 2 reels, each 12" - 15" diameter and 15" wide
- 1 reel, 24" diameter and 15" wide

Part #	Description	Dimensions	Weight
WSP-150	Heavy-Duty Spool Caddy	22" L x 18½" W x 45" H	60 lbs



WCM-10

WIRE DISPENSER

- Holds up to:
- 10 reels, each 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	36⅜" L x 31⅛" W x 59¼" H	155 lbs



WSP144050

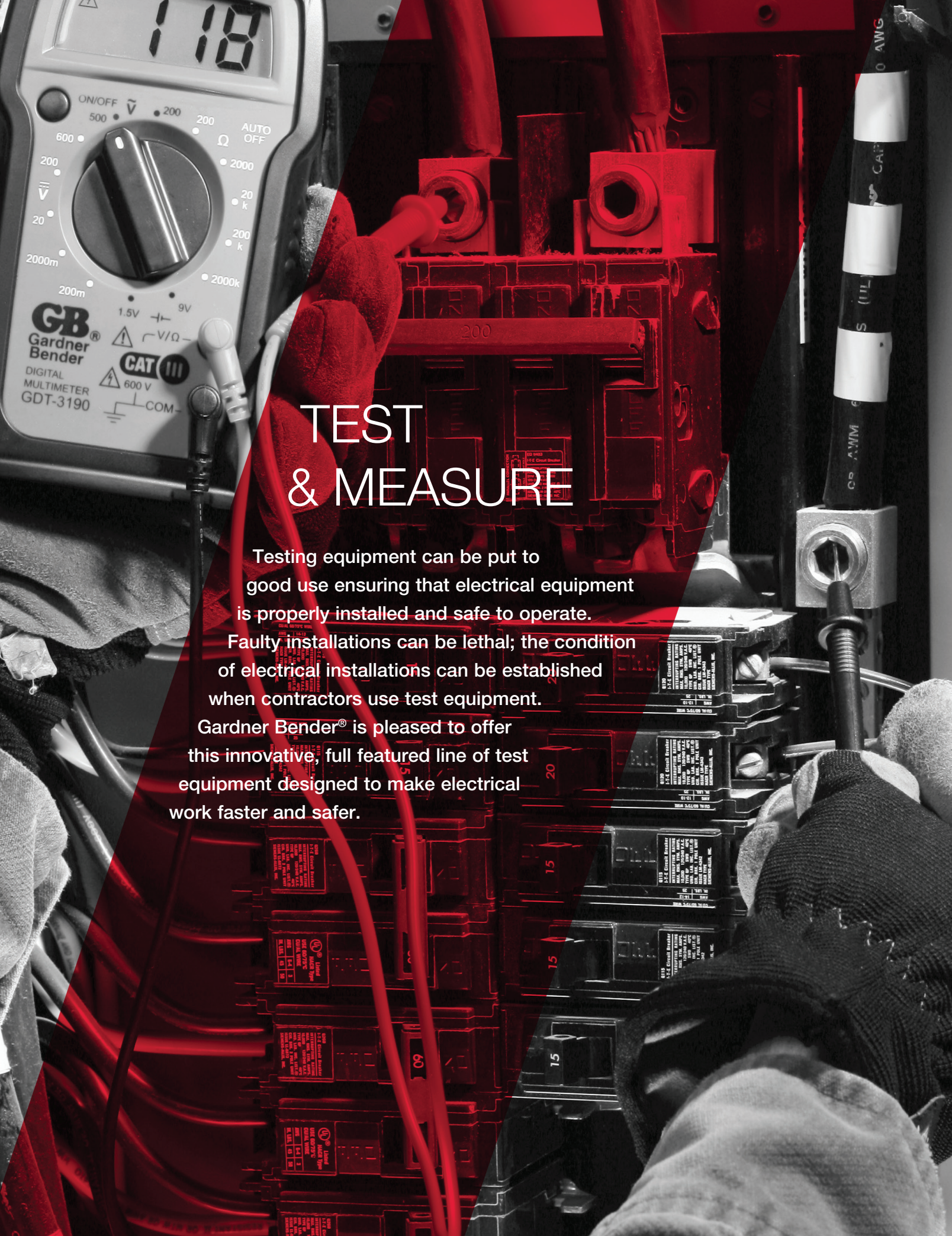
WSP144251

WSP144253

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, WSP-140	5	1.5 lbs
WSP144251	R-Clips	All Caddies	10	.5 lb
WSP144253	Wheels	WSP-144, WSP-140	2	5 lbs



TEST & MEASURE

Testing equipment can be put to good use ensuring that electrical equipment is properly installed and safe to operate. Faulty installations can be lethal; the condition of electrical installations can be established when contractors use test equipment. Gardner Bender® is pleased to offer this innovative, full featured line of test equipment designed to make electrical work faster and safer.

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Continuity Tester
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VOLTAGE TESTERS

Selection Chart

FEATURE	GET-3202	GET-3100	GET-3213	GCV-3206	GCT-3304	GAT-3400	GVD-3504	GVD-3505
Voltage Range								
AC Voltage	5-50V	80-250V	80-300V	12-250V	–	–	50-600V	12-600V
DC Voltage	5-50V	80-250V	80-300V	12-250V	–	6-12V	–	–
Non-Contact Voltage	–	–	–	–	–	–	✓	✓
Functions								
Polarity	–	–	–	–	–	–	–	–
Continuity	–	–	–	✓	✓	–	–	–
Indication								
Audible	–	–	–	–	–	–	✓	✓
Visual	✓	✓	✓	✓	✓	✓	✓	✓
Vibration	–	–	–	–	–	–	–	–
General								
Lead Length	5.5"	2"	24"	30"	36"	36"	–	–
Pocket Clip	✓	✓	✓	✓	✓	✓	✓	✓
Agency Approval	ETL	c UL us LISTED	ETL	ETL	–	–	ETL	ETL
CAT Rating	I 50V	II 300V	II 300V	–	–	–	III 600V	III 600V
Drop Rating	6'	6'	6'	6'	6'	6'	6'	6'
Crush Rating	150 lb	150 lb	150 lb	150 lb	150 lb	150 lb	150 lb	150 lb
Warranty	1 YEAR WARRANTY	1 YEAR WARRANTY	1 YEAR WARRANTY	1 YEAR WARRANTY	1 YEAR WARRANTY	1 YEAR WARRANTY	1 YEAR WARRANTY	1 YEAR WARRANTY



GET-3202

One Year Warranty | c UL us LISTED | CE | CAT II 300V

LOW VOLTAGE TWIN PROBE CIRCUIT TESTER

Tests AC/DC Voltage from 5 - 50 V, 50-60 Hz.

- Indicator glows when voltage is present and brightens as voltage increases.
- Insulated alligator clip test leads.
- Pocket clip for added convenience.
- Dual Insulated, durable ABS housing

TESTS

- Low volt outdoor lighting
- Low volt control panels
- Doorbells
- Alarm systems
- Automotive 12 V DC and 36 V DC

Part #	Description
GET-3202	Low Voltage Twin Probe Circuit Tester



No batteries required



GET-3100

One Year Warranty | c UL us LISTED | CE | CAT II 300V

TWIN PROBE CIRCUIT TESTER

Tests AC/DC Voltage from 80-250 V.

- Neon indicator glows when voltage is present and brightens as voltage increases.
- Insulated housing.
- Insulated test leads.
- Pocket clip for added convenience.
- 2" test lead.

TESTS

- DC motors
- Switches
- Outlets

Part #	Description
GET-3100	Twin Probe Circuit Tester



No batteries required



HEAVY-DUTY 3-WAY VOLTAGE TESTER



GET-3213

One Year Warranty

CAT II 300V

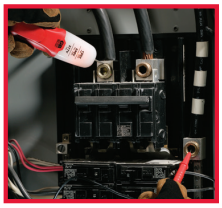
Tests AC/DC Voltage at 120, 240 and 277 V.

- Individual indicators for each voltage range assures reliability.
- Functional, lightweight design features twin flexible leads and convenient pocket clip.
- 24" test lead.
- Dual insulated, durable ABS housing.

TESTS

- Outlets
- Panels
- Light fixtures
- Switches
- Circuit Breakers

Part #	Description
GET-3213	Heavy-Duty 3-way Voltage Tester





No batteries required

COMBINATION SCREWDRIVER, VOLTAGE PROBE & CONTINUITY TESTER



GCV-3206

One Year Warranty

CAT III 250V

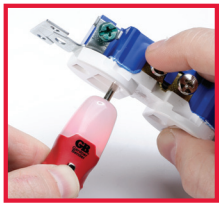
Tests for Continuity and AC/DC Voltage from 12-250 V.

- LED indicator glows when voltage or continuity exists.
- Operates from (2) LR-44 batteries, included.
- Convenient screwdriver tip for quick faceplate removal.

TESTS

- Outlets
- Fuses
- Switches
- Extension cords
- Light fixtures
- Low Voltage Lighting Circuits

Part #	Description
GCV-3206	Combination Screwdriver, Voltage Probe & Continuity Tester





Test continuity and voltage





GVT-392

One Year Warranty

CAT III 600V

SOLENOID VOLTAGE TESTER

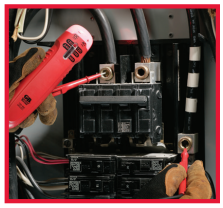
Tests for DC Polarity and AC/DC Voltage from 120 - 480 V.

- Dual voltage indication: solenoid vibration and neon bulb.
- Neon bulb indicates DC polarity.
- Built-in slots in housing hold probes for one-hand testing and storage.
- 4' reach from probe to probe with probes unlocked.
- High-impact, dual insulated, case stands up to rugged service.

TESTS

- Outlets
- Panels
- Light fixtures
- Switches
- Circuit Breakers
- Extension Cords

Part #	Description
GVT-392	Combination Screwdriver, Voltage Probe & Continuity Tester





Probes lock together to enable one handed testing of standard outlet



GCT-3304

One Year Warranty

HEAVY-DUTY CONTINUITY TESTER

Tests for continuity in non-energized circuits.

- 36" insulated test lead with alligator clip.
- Bright indicator bulb lights if continuity exists.
- Operates from (2) AAA batteries.
- Pocket clip for added convenience.

TESTS

- Extension cords
- Fuses
- Switches
- Water heater coils
- Unenergized low voltage wiring

Part #	Description
GCT-3304	Heavy-Duty Continuity Tester



Test continuity of switches



GAT-3400

One Year Warranty

AUTOMOTIVE VOLTAGE TESTER

Tests for DC Voltage from 6 - 12 V in automotive applications.

- Durable ABS Housing w/pocket clip.
- 3' test lead with alligator clamp.
- Pocket clip for added convenience.

TESTS

- Fuses in junction block
- Automotive circuits for voltage
- Back probe connectors & sockets

Part #	Description
GAT-3400	Automotive Voltage Testers



No batteries required



NON-CONTACT VOLTAGE TESTERS

Comparison Chart

FEATURE	 GVD-3504	 GVD-3505
Detection Range	50-600 V AC	12-600 V AC
Visual	✓	✓
Audible	✓	✓
Adjustable Sensitivity	–	✓
Pocket Clip	✓	✓
Agency Approvals	ETL	ETL
Warranty	1 YEAR WARRANTY	1 YEAR WARRANTY
Batteries (included)	1 AAA	(2) Button Cells



GVD-3504

One Year Warranty · ETL · CAT III 600V

Patented

CIRCUIT ALERT® NON-CONTACT VOLTAGE DETECTOR

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.
- Operates from 1-AAA battery.
- Pocket clip for added convenience.

TESTS

- Outlets
- Switches
- Circuit breaker panels
- Wiring
- Light fixtures

Part #	Description
GVD-3504	Circuit Alert™ Non-Contact Voltage Detector



Test light fixtures, outlets, or circuit breaker panels.



GVD-3505

One Year Warranty · ETL · CAT III 600V

Patented

LIVE-WIRE™

Non-contact detection of AC Voltage from 12 - 600 VAC with adjustable sensitivity for multiple-wire applications.

- Visual (flashing) and audible (beeping) indicators signal presence of voltage.
- Adjustable sensing levels.
- Built-in "safe test" feature assures batteries are operating properly.
- Operates from 2-LR44 1.5 Volt batteries (included).

TESTS

- Doorbells
- Low voltage lighting
- Outlets
- Switches
- Electrical panels
- Light fixtures

Part #	Description
GVD-3505	Live-Wire™



Increasing the sensitivity increases the detection range



RECEPTACLE TESTERS / ANALYZERS

Comparison Chart

FEATURE	 GRT-3500	 GFI-3501
Open Ground	✓	12-600 V AC
Open Neutral	✓	✓
Open Hot	✓	✓
Hot / Ground Reversed	✓	✓
Hot / Neutral Reversed	✓	✓
Correct Wiring	✓	✓
GFCI Test Function	–	✓
Agency Approvals	ETL	ETL
Warranty	1 YEAR WARRANTY	1 YEAR WARRANTY



GFI-3501

GROUND FAULT RECEPTACLE TESTER & CIRCUIT ANALYZER

Tests ground fault receptacles by 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 test GFCI.
- 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 provides indication of circuit status or specifies wiring errors.
- Tester trips GFCI between 6 - 9 mA.

TESTS

- Standard outlets
- GFCI outlets
- Extension cords

Part #	Description
GFI-3501	Ground Fault Receptacle Tester & Circuit Analyzer



Tests standard outlets



Tests outlets protected by GFCIs

One Year Warranty ETL



GRT-3500

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 provides indication of circuit status or specifies wiring errors.
- Easy to read status chart displayed on both the top and bottom of the tester for multiple position viewing.

TESTS

- Standard outlets
- Extension cords

Part #	Description
GRT-3500	Receptacle Tester & Circuit Analyzer



Tests standard outlets

One Year Warranty ETL



USB TESTERS

Comparison Chart

FEATURE	GUSB-3300	GUSB-3450
Tests USB Port Function	✓	✓
Test for AC Voltage	✓	–
Test for Negative Polarity	✓	–
Test USB Cables	–	✓
Voltage Measurement	–	✓
Current Measurement	–	✓
Warranty	1 YEAR WARRANTY	1 YEAR WARRANTY



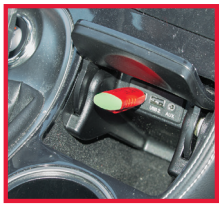
One Year Warranty

GUSB-3300

USB TESTER

Check USB ports for the presence of AC/DC voltage and verify proper wiring and polarity.

- LED illuminates to indicate one of four different USB conditions: dead port, ok port, reversed polarity, or AC voltage present.
- Compact design fits in shirt pocket.
- High impact housing with pocket clip for added convenience.



Test USB port functionality

TESTS

- USB ports

GUSB-3300 USB Tester LED Color

LED Color	Range	Indication
Not Lit	0 to 2 V AC/DC	Dead port
Green	3 to 6 VDC	Port Ok
Red	-3 to -6 VDC	Reversed Polarity
Amber	3 to 6 VAC	AC Voltage Present

Part #	Description
GUSB-3300	USB Tester



One Year Warranty

GUSB-3450

USB MULTIMETER

Check USB ports for proper voltage and current delivery. Test phone and tablet charging cables.

- Plug USB charging cables into the end of the USB multimeter to measure voltage and current draw.
- Display alternates between voltage (volts) and current (amps).
- Compact design fits in shirt pocket.



Test USB ports or USB cables

TESTS

- USB ports
- USB cables

Part #	Description
GUSB-3450	USB Multimeter

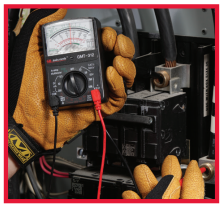


ANALOG MULTIMETERS

Full family of analog multimeters test AC Voltage, DC Voltage, DC Current, Resistance, Continuity, and batteries.

- Manual range selection.
- Easy to read, color-coded analog displays.
- All testers include test leads and operating instructions.
- All are Agency approved and incorporate fuse overload protection circuitry.

One Year Warranty



Test circuit breakers



Test outlets

ANALOG MULTIMETERS

Comparison Chart







FEATURE	GMT-312	GMT-318	GMT-319
Voltage Range			
AC Voltage	300V	500V	1000V
DC Voltage	300V	500V	1000V
Current Range			
AC Current	–	–	–
DC Current	150 mA	250 mA	10 A
Functions			
Resistance	1 Meg	50K	10 Meg
Decibels (on AC voltage ranges)	-20 to +56dB	-20 to +56dB	-8 to +62dB
Continuity (Audible)	–	–	✓
Battery Testing	Internal	✓ 1.5 & 9V	✓ 1.5 & 9V
Specifications			
Manual Range Selection	✓	✓	✓
Total Functions	5	6	7
Total Ranges	12	14	19
Fuse	250 mA	250 mA	500 mA &10A
Accuracy	±5%	±4%	±4%
General			
Agency Approval	ETL CE	ETL CE	ETL CE
CAT Rating	II 300V	II 500V	II 1000V
Warranty	1 YEAR WARRANTY	1 YEAR WARRANTY	1 YEAR WARRANTY



DIGITAL MULTIMETERS

Full family of digital multimeters test AC Voltage, DC Voltage, Resistance, Continuity, Temperature, Diodes, and Batteries

- Manual and auto ranging styles.
- Easy to read digital displays.
- All testers include test leads and operating instructions.
- Conforms to UL 61010-1 standards and certified to CAN/CSA C22.2.

One Year Warranty



Test outlets



Test lead holders for one-handed testing
(GDT-3190 & GDT-3200 only)



Back-Lit Display

DIGITAL MULTIMETERS

Comparison Chart







FEATURE	GDT-311	GDT-3190	GDT-3200
Voltage Range			
AC Voltage	500V	500V	500V
DC Voltage	600V	600V	600V
Functions			
Resistance	2 meg Ω	2 meg Ω	20 meg Ω
Diode Test	–	–	✓
Continuity (Audible)	–	–	✓
Temperature (Probe type)	–	–	32 to 482°F
Battery Testing	–	✓ 1.5 V, 9 V, 12 V	✓ 1.5V
Specifications			
Manual or Auto Ranging	Manual	Manual	Auto
Total Functions	3	4	7
Total Ranges	12	15	7
Display Count	2000	2000	2000
Low Battery Indicator	✓	✓	✓
Auto Off	–	✓	✓
Rubber Boot	–	✓	✓
Backlit LCD	–	–	✓
General			
Agency Approval	ETL CE	ETL CE	ETL CE
Drop Rating	3'	6'	6'
Crush Rating	150 lb	150 lb	150 lb
CAT Rating	III 600V	III 600V	III 600V
Warranty	1 YEAR WARRANTY	1 YEAR WARRANTY	1 YEAR WARRANTY



CLAMP-ON MULTIMETERS

Gardner Bender® clamp meters test AC Current, AC Voltage, DC Voltage, Resistance and Continuity.

- Manual and autoranging styles.
- Easy-to-read displays.
- All testers include test leads and operating instructions.



Current (GCM-221)



Voltage (GCM-221)



Current (GCM-500)



Voltage (GCM-500)

CLAMP-ON MULTIMETERS

Comparison Chart

One Year Warranty



One Year Warranty



FEATURE	GCM-500	GCM-221
Voltage Range		
AC Voltage	600V	600V
DC Voltage	60V	600V
Current Range		
AC Current	600A	600A
Functions		
Resistance	1000 Ω	200 Ω
Continuity	–	✓
Audible Buzzer	–	✓
Specifications		
Manual or Auto Ranging	Manual	Auto
Total Functions	4	6
Total Ranges	8	6
Display Count	–	1999
Data Hold	✓	✓
Jaw Size	1½"	1"
General		
Agency Approval	ETL	ETL
Drop Rating	3'	3'
Crush Rating	150 lb	150 lb
CAT Rating	II 600V	II 600V, III 300V
Warranty	1 YEAR WARRANTY	1 YEAR WARRANTY



RTL-103



RTL-107



RTL-108



TEST LEADS

Tests most common household battery types to determine existing charge.

- Tough ABS construction.
- Flexible cords for easy use.

Part #	Description	Models
RTL-103	Small Test Leads	–
RTL-107	Push-on Alligator Clips	RTL-103, RTL-108, RTL-200
RTL-108	Mid-size Test Leads	GMT-312, GMT-318
RTL-200	Large Test Leads	GDT-311, GDT-3190, GDT-3200, GMT-319, GCM-500, GCM-221

RTL-200



BATTERY TESTERS



One Year Warranty

GBT-500A

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.

TESTS

- AA, AAA, C, D, N
- 1.5 V button cells
- 1.25 V Ni-Cad rechargeable
- 3 V lithium
- 22.5 V photo & lantern cells
- 6 V lantern
- 12 V, 15 V Photo cells
- 9 Volt

Part #	Description
GBT-500A	Analog Battery Tester



Use test leads to measure battery charge



GBT-3502

HOUSEHOLD BATTERY TESTER

Tests most common household battery types to determine existing charge.

- Moveable contact arm fits multiple battery sizes.
- Simple “Low/Good” indicator.

TESTS

- AA
- AAA
- C
- D
- 9 V
- 1.5 V button cells
- N

Part #	Description
GBT-3502	Household Battery Tester



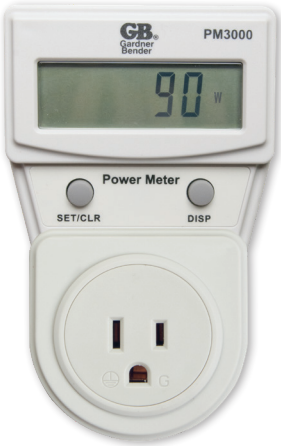
Movable contact arm fits multiple battery sizes



POWER METERS

Comparison Chart

FEATURE	PM3000	PM3100
Measure Energy Consumption	✓	✓
Cumulative Readings	–	✓
Energy Cost Calculation	–	✓
Warranty	2 YEAR WARRANTY	2 YEAR WARRANTY



PM3000

POWER METER

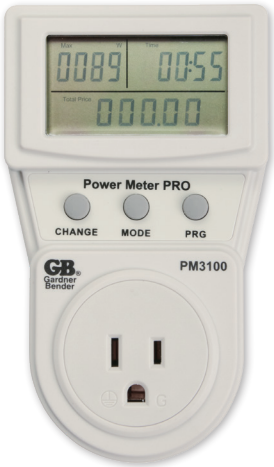
Monitor energy consumption and help assess the efficiency of appliances.

- Measures energy consumption in Kilowatt hours, volts, amps, watts, and Hz
- Easy to read LCD screen
- Accurately, safely, & reliably monitor appliances for cost planning

Part #	Description
PM3000	Energy Power Meter



Measure energy consumption for cost planning



PM3000

POWER METER PRO

Monitor energy consumption with cumulative and dynamic readings and display appliance energy costs.

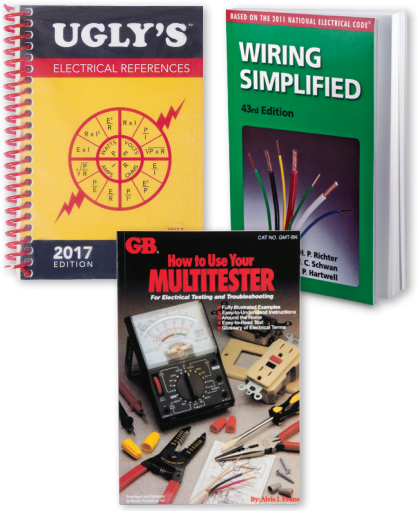
- Measures energy consumption in Kilowatt hours, volts, amps, watts, and Hz.
- Easy to read LCD screen with a built in clock.
- Accurately, safely, & reliably monitor appliances for cost planning.
- Estimates power usage over an hour, day or month.

Part #	Description
PM3100	Energy Power Meter Pro



Display shows cumulative and dynamic readings





ELECTRICAL REFERENCE BOOKS

Reference books that outline safe wiring recommendations based on the National Electric Code.

Part #	Pkg Qty	Description
ERB-UG	1	*Ugly's Electrical References* - Revised 2017 Edition. A quick, on-the-job reference guide for the most commonly required information in an easy-to-read format.
ERB-WS	1	*Wiring Simplified 43rd Edition* - A comprehensive book that translates the NEC rules into easy-to-understand explanations on how to complete safe wiring installs in homes.
GMT-BK	1	*Multimeter Handbook* - Make measurements and solve electrical problems around the home, in the workshop, at the office, and on the job.

REPLACEMENT PARTS AND ACCESSORIES

Test Instruments

	FUSES					
MODEL	**10A/250V**	**0.5A/250V**	**2.0A/250V**	**0.2A/250V**	**0.25A/250V**	**Batteries**
Analog Multimeters						
GMT-312	–	–	–	✓	–	(1) AA
GMT-318	–	✓	–	–	–	(1) AA
GMT-319	–	✓	–	–	–	(2) AAA
Digital Multimeters						
GDT-311	–	–	–	–	–	(1) 9 Volt
GDT-3190	–	–	–	–	–	(1) 9 Volt
GDT-3200	–	–	–	–	–	(2) AAA
Clamp Meters						
GCM-221	–	–	–	–	–	(1) 9 Volt
GCM-500	–	✓	–	–	–	(1) AA
Probe Testers						
GAT-3400	–	–	–	–	✓	–
GBT-500A	✓	–	–	–		–
GBT-3502	✓	–	–	–	✓	–
GCT-3304	–	–	–	–	–	(2) AAA
GCV-3206	–	–	–	–	–	(2) LR44
GET-3100	–	–	–	–	–	–
GET-3202	–	–	–	–	–	–
GET-3213	–	–	–	–	–	–
GVD-3504	–	–	–	–	–	(1) AAA
GVD-3505	–	–	–	–	–	(2) 1.5 V LR44
GVT-392	–	–	–	–	–	–



HAND TOOLS

Hand tools are a part of every tool box. With exclusive features for safety, durability, reliability and life strength, Gardner Bender® hand tools offer superior performance on every job.

ArmorEdge® Tools
- ArmorEdge® Comparison Chart 144
- ArmorEdge® Long Nose Wire Strippers 145
- ArmorEdge® Pliers 145
- ArmorEdge® Wire Strippers 144

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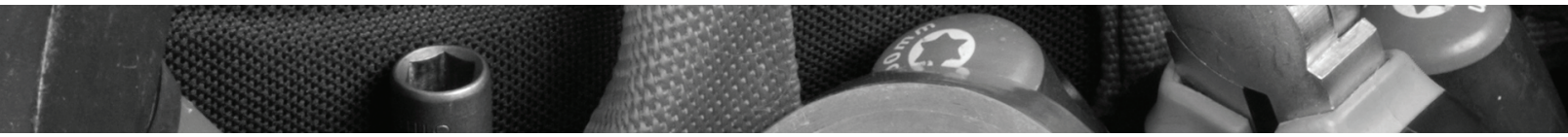


SAFE & CONVENIENT

This patented line of tools with Snap-in sensor detects AC voltage without contacting live wires




Wire Strippers


Screwdrivers


Pliers

BE SAFE. WORK SMART.

CIRCUIT ALERT® VOLTAGE SENSING MODULE

- The Circuit Alert® voltage sensing module fits in a variety of Circuit Alert® tools.
- Non-contact AC voltage detection.
- Audio and visual alerts.
- Pocket clip.
- Tri-directional momentary on/off switch.

Patented

Part #	Description
CAM-10	Voltage-sensing module


CAM-10

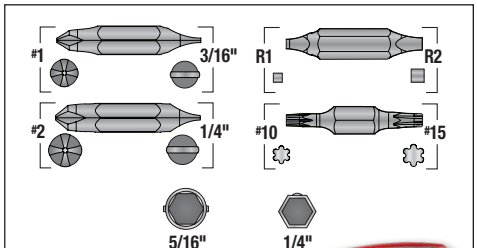

CAM-10 Pocket Clip

CIRCUIT ALERT® VOLTAGE SENSING SCREWDRIVER

- 10-in-1 screwdriver includes 10 different tips and sockets.
- Insulated comfort grip handle with Circuit Alert® attachment.
- Bits can be stored in the handle.
- Use with Hex-Lok® connectors.

Part #	Description	Bits
SDT-10	Circuit Alert® Voltage Sensing Screwdriver 10-in-1	See diagram


See page **11**
For more info on
Hex-Lok® Wire Connector



10-in-1


SDT-10

CIRCUIT ALERT® VOLTAGE SENSING LONG NOSE PLIERS

- Crimp terminals.
- Cut brass, copper, and aluminum wire.
- Strip 12-16 AWG solid wire, 14-18 AWG stranded wire.
- Comfort grip handles with Circuit Alert® attachment.
- Forged steel construction for long life.
- Precision hardened cutting blades.

Patented

Part #	Description	Length
GPT-80	Circuit Alert® Voltage Sensing Long Nose Pliers	8"



CIRCUIT ALERT® VOLTAGE SENSING LINEMAN'S PLIERS

- Crimp terminals.
- Cut brass, copper, and aluminum wire.
- Comfort grip handles with Circuit Alert® attachment.
- Forged steel construction for long life.
- Precision hardened cutting blades
- Built-in hammer head surface.
- Built-in groove for gripping and pulling flat fish tape.

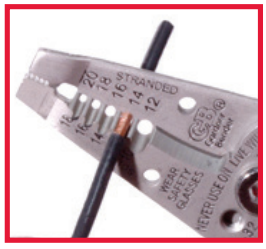
Patented

Part #	Description	Length
GPT-90	Circuit Alert® Voltage Sensing Lineman's Pliers	8"



GPT-90

Comparison Chart FEATURE	 GST-55M	 GST-70M	 GST-224M
Wire Stripping Range			
Solid	10-18 AWG	8-20 AWG	12 & 14 AWG
Stranded	12-20 AWG	10-22 AWG	-
NM Cable	-	-	14/2 & 12/2
Bolt Cutting Sizes	6-32, 8-32, 10-32	4-40, 5-40, 6-32, 8-32, 10-32, 10-24	6-32, 8-32, 10-32
Crimping	–	Insulated and non-insulated connectors	–
Spring Action Return	✓	–	✓



Wire Stripping



Volt Sensing (50-600 VAC)



Bolt Cutting and Rethreading

CIRCUIT ALERT® VOLTAGE SENSING WIRE STRIPPERS

- Cut and strip solid and stranded mild steel, brass, copper, and aluminum wire.
- Stainless steel body for maximum corrosion resistance.
- Ergonomic cushioned handles with Circuit Alert® attachment for ultimate comfort and control.
- Double bevel cutting blades for superior nick resistance.
- Dual gripping positions for traditional or forward hand positions.
- Easy-to-read stamped markings.
- Cuts and rethreads bolts.
- Wire looping holes form wire to fit on screw terminals.
- Plier nose for gripping and pulling.

Patented

Part #	Description	Wire Gauge	Length
GST-55M	Circuit Alert® Voltage Sensing Wire Stripper	#10 - #18 AWG	7"
GST-70M	Circuit Alert® Voltage Sensing Crimper/Stripper	#8 - #20 AWG	7"
GST-224M	Circuit Alert® Voltage Sensing NM Cable Stripper	12/2 & 14/2 NM Cable	7½"



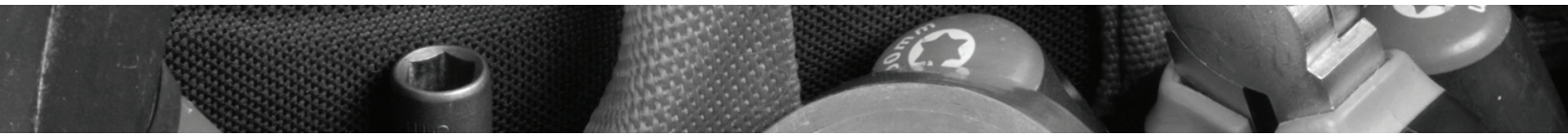
GST-55M



GST-70M



GST-70M



ArmorEDGE® HAND TOOLS

Gardner Bender's exclusive line of ArmorEDGE® hand tools are designed to be durable and long lasting. These tools feature a stainless steel body for maximum corrosion resistance. They are designed with double bevel cutting blades to provide superior nick resistance. ArmorEDGE® tools also have a Limited Lifetime Warranty, ensuring that these tools are built to last. Markings on these tools are laser-etched to make them easy to read. Ergonomic handles provide the ultimate comfort and control. The ArmorEDGE® line of hand tools includes a tool for almost any electrical application.

Comparison Chart

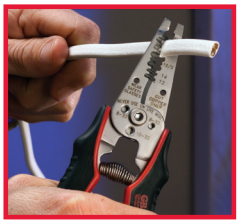
FEATURE	GES-55	GESP-55	GES-224	GESP-224	GESP-70	GBP-60N	GBP-61N	GBP-58N	GBP-07C	GBP-59P
Type of Hand Tool	Wire Stripper	Wire Stripper	Wire Stripper	Wire Stripper	Wire Stripper	Long Nose Wire Stripper	Long Nose Wire Stripper	Long Nose Pliers	Diagonal Cutting Pliers	Lineman's Pliers
Wire Stripping Range										
Solid	10-18 AWG	10-18 AWG	12-14 AWG	12-14 AWG	8-20 AWG	10-18 AWG	8-20 AWG	12-16 AWG	–	–
Stranded	12-20 AWG	12-20 AWG	14-16 AWG	14-16 AWG	10-22 AWG	12-20 AWG	10-22 AWG	14-18 AWG	–	–
NM Cable	–	–	14/2 & 12/2	14/2 & 12/2	–	–	–	–	–	–
Crimping	–	–	–	–	10-22 AWG insulated and non-insulated terminals Coaxial connectors	Insulated and non-insulated connectors	–	Non-insulated terminals	–	Non-insulated terminals
Bolt Cutting Sizes	6-32, 8-32, 10-32	6-32, 8-32, 10-32	6-32, 8-32, 10-32	6-32, 8-32, 10-32	4-40, 5-40, 6-32, 8-32, 10-24, 10-32	6-32, 8-32	6-32, 8-32	–	–	–
Handle Design	Symmetric	Curved	Symmetric	Curved	Symmetric	Curved	Symmetric	Symmetric	Symmetric	Symmetric
Spring Action Return	✓	✓	✓	✓	–	–	–	–	–	–



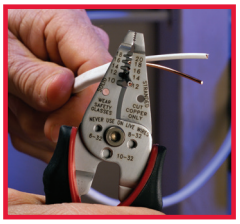
ArmorEDGE® WIRE STRIPPERS

- Cut and strip solid and stranded mild steel, brass, copper, and aluminum wire.
- Stainless steel body for maximum corrosion resistance.
- Ergonomic, cushioned handles for ultimate comfort and control.
- Double bevel cutting blades provide superior nick resistance.
- Dual gripping positions for traditional or forward hand positions.
- Easy-to-read laser-etched markings.
- Wire looping holes form wire to fit on screw terminals.
- Plier nose for gripping and pulling.
- GESP-70 crimps 10-22 AWG insulated and non-insulated terminals and coaxial connectors, cuts bolt sizes 4-40, 5-40, 6-32, 8-32, 10-24, 10-32.

Part #	Description	Handle	Wire Gauge	Length
GES-55	ArmorEDGE® Wire Stripper	Curved	#10 - #18 AWG	6½"
GESP-55	ArmorEDGE® Wire Stripper	Symmetric	#10 - #18 AWG	6¾"
GESP-70	ArmorEDGE® Multi-Tool Stripper/Crimper	Symmetric	#10 - #22 AWG	8¼"
GES-224	ArmorEDGE® NM Cable Stripper	Curved	12/2 & 14/2 NM Cable	7"
GESP-224	ArmorEDGE® NM Cable Stripper	Symmetric	12/2 & 14/2 NM Cable	7¼"



12/2 and 14/2 NM Cable Stripper



10-18 AWG Wire Stripper



GBP-60N



GBP-61N

ArmorEDGE® LONG NOSE WIRE STRIPPERS

- Cut and strip mild steel, brass, copper, and aluminum solid and stranded wire.
- Ergonomic cushioned handles for ultimate comfort and control.
- Easy-to-read laser-etched markings.
- Long nose design for gripping, pulling, and forming wire to fit on screw terminals.
- Crimp insulated and non-insulated connectors.
- Cut and rethread bolt sizes 6-32 and 8-32.
- Available with both a curved handle and symmetric handle designs.

Part #	Description	Handle	Wire Gauge	Length
GBP-60N	ArmorEDGE® Long Nose Wire Stripper	Curved	10-18 AWG	7 ¾"
GBP-61N	ArmorEDGE® Long Nose Wire Stripper	Symmetric	8-20 AWG	8 ¾"



GBP-58N

ArmorEDGE® LONG NOSE PLIERS

- Versatile 5-in-1 tool: cut, strip, grip, crimp, and form/loop.
- Cut and strip mild steel, brass, copper, and aluminum solid and stranded wire.
- Ergonomic, high-leverage, cushioned handles for ultimate comfort and control.
- Easy-to-read laser-etched markings.
- Long nose design for gripping, pulling, and forming wire to fit on screw terminals.
- Crimp non-insulated connectors.
- Strip 12-16 AWG solid wire and 14-18 AWG stranded wire.

Part #	Description	Handle	Wire Gauge	Length
GBP-58N	ArmorEDGE® 5-in-1 Long Nose Pliers	Symmetric	12-16 AWG	8½"



GBP-07C

ArmorEDGE® DIAGONAL CUTTING PLIERS

- Cut mild steel, brass, copper, and aluminum solid and stranded wire.
- Ergonomic, high-leverage, cushioned handles for ultimate comfort and control.
- Angled head is ideal for cutting wires in tight locations.

Part #	Description	Handle	Length
GBP-07C	ArmorEDGE® Diagonal Cutting Pliers	Symmetric	7"

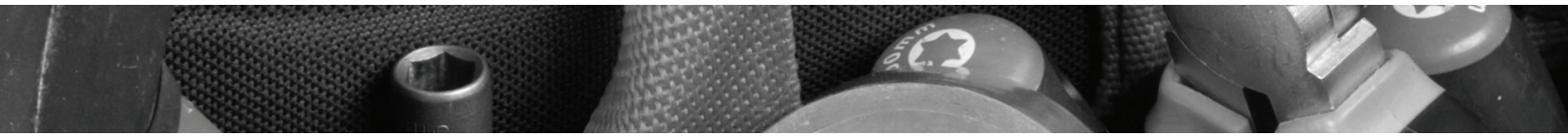


GBP-59P

ArmorEDGE® LINEMAN'S PLIERS

- Cut mild steel, brass, copper, and aluminum solid and stranded wire.
- Ergonomic cushioned handles for ultimate comfort and control.
- Integrated hammer head for installing nails and staples.
- Fishtape pulling station.
- Crimp non-insulated connectors.

Part #	Description	Handle	Length
GBP-59P	ArmorEDGE® Long Nose Wire Stripper	Symmetric	8½"



MULTI-TOOLS

Comparison Chart

FEATURE	GS-365	GS-370	GS-366
		Wire Stripping Range	
Solid	6-16 AWG	10-22 AWG	8-20 AWG
Stranded	8-18 AWG	12-24 AWG	10-22 AWG
Crimping	10-22 AWG insulated and non-insulated terminals, coaxial connectors	10-22 AWG insulated and non-insulated terminals, coaxial connectors	10-22 AWG insulated and non-insulated terminals
Bolt Cutting Sizes	4-40, 5-40, 6-32, 8-32, 10-32, 10-24	4-40, 5-40, 6-32, 8-32, 10-32, 10-24	4-40, 6-32, 8-32, 10-32, 10-24
Wire Looping Holes	✓	✓	–
Spring Action Return	✓	–	–
Built-in Locking Mechanism	✓	–	–



See page 142
For more info on
Additional Multi-Tools



GS-370

MULTI-TOOL STRIPPER, CUTTER & CRIMPER

- Strips 10-22 AWG solid wire, 12-24 AWG stranded wire.
- Cuts copper and aluminum wire.
- 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 10-22 AWG insulated and non-insulated terminals, coaxial connectors.
- Comfort high-leverage handles.
- Precision ground-stripping stations prevent nicking conductor while stripping.

Part #	Description	Wire Gauge	Length
GS-370	Multi-Tool	#10 - #22 AWG	8½"



GS-365

MULTI-TOOL STRIPPER, CUTTER & CRIMPER

- Strips 6-16 AWG solid wire, 8-18 AWG stranded wire.
- Cuts copper and aluminum wire.
- Cuts and rethreads bolt sizes 4-40, 5-40, 6-32, 8-32, 10-32, and 10-24.
- Crimps 10-22 AWG insulated and non-insulated terminals, coaxial connectors.
- Pliers nose for pulling and looping wire.
- Snub nose for reaming 1⁄2" and 1" conduit.
- Precision ground-stripping stations prevent nicking conductor while stripping.
- Lock for compact storage.

Part #	Description	Wire Gauge	Length
GS-365	Multi-Tool Stripper and Cutter	#6 - #16 AWG, Solid	8½"



GS-366

MULTI-TOOL CABLE STRIPPERS

- Cuts copper and aluminum wire.
- Crimps 10-22 AWG insulated or non-insulated terminals.
- Strips 8-20 AWG solid wire, 10-22 AWG stranded wire.
- Cuts and rethreads bolt sizes 5-50, 6-32, 8-32, 10-32, and 10-24.
- Wire strip length gauge.

Part #	Description	Wire Gauge	Length
GS-366	Multi-tool crimper & stripper	#8-#20 AWG	9¼"

WIRE STRIPPERS

Comparison Chart

FEATURE	GS-394	SE-92	GS-355	GS-360	GS-361	GS-40
Automatic Wire Stripping	✓	✓	–	–	–	–
Wire Stripping Range						
Solid	10-26 AWG	8-22 AWG	10-20 AWG	10-20 AWG	16-30 AWG	10-24 AWG
Stranded	10-26 AWG	8-22 AWG	12-22 AWG	12-22 AWG	18-32 AWG	10-24 AWG
Crimping	10-22 AWG insulated, non-insulated, and barrel terminals	–	–	–	–	–
Wire Looping Holes	–	–	✓	✓	✓	✓
Built-in Locking Mechanism	–	–	–	✓	–	✓



GS-394

AUTOMATIC STRIPPER & CRIMPER

- Strips 10-26 AWG solid and stranded wire.
- Automatic jaw-loaded wire stripper self-adjusts.
- Crimps 10-22 AWG insulated, non-insulated, and barrel terminals.
- Comfort high-leverage handles.

Part #	Description	Wire Gauge	Length
GS-394	Automatic Wire Stripper	#10 - #26 AWG	8"



SE-92

STRIP-EASY™ STRIPPER

- Strips 8-22 AWG solid and 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 handles.
- Includes replacement blade.

Part #	Description	Wire Gauge	Length
SE-92	Automatic Wire Stripper	#8 - #22 AWG	8"



GS-360

WIRE STRIPPERS

- Cuts and strip solid and stranded copper and aluminum wire.
- Laser-etched markings.
- Pliers nose and curved cutting blade aid in pulling and cutting wire.
- Power spring return reduces hand fatigue.
- Looping holes forms wire to fit on screw terminal.
- Ergonomic cushioned handle design.
- GS-360 has a built-in locking mechanism for compact storage.

Part #	Description	Wire Gauge	Length
GS-355	Stripper	#10 - #20 AWG	6¼"
GS-360	Stripper with lock	#10 - #20 AWG	6"
GS-361	Small Gauge Stripper	#16 - #30 AWG	6¼"

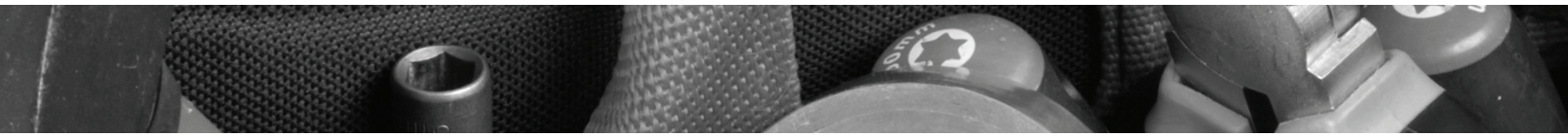


GS-40

CLIPPER™ STRIPPERS

- Strip 10-24 AWG solid or stranded wire.
- Compact tool adjusts quickly to any of the eight wire sizes.
- Hardened spring steel provides strength and durability.
- Looping holes bends and loops wire for termination on screws.
- Vinyl grips provide added comfort.
- Spring return for easy handling.
- Cut copper and aluminum wire.

Part #	Description	Wire Gauge	Length
GS-40	Clipper™ Stripper w/spring	#10 - #24 AWG	5"



NM CABLE STRIPPERS AND RIPPERS

Comparison Chart

FEATURE	 GRX-3224	 GRX-122	 CR-1000	 CR-100	 CRC-100
Wire Stripping Range					
Solid	12-14 AWG	12 AWG	–	6-14 AWG	8-14 AWG
Stranded	–	–	–	–	10- 16 AWG
NM Cable	14/2 & 12/2	12/2	14/2 & 12/2	14/2 & 12/2	14/2 & 12/2
Bolt Cutting Sizes	6-32, 8-32	–	–	–	–
Plier Nose	✓	✓	–	–	–



See page 144
For more info on
Additional Romex® Strippers

DUAL ROMEX® STRIPPER

- Strips outer sheath of 12/2 or 14/2 cable in one tool.
- Strips single conductor 12 or 14 AWG.
- Power spring return reduces hand fatigue.
- Cut copper and aluminum wire.
- Wire looping hole.
- Cuts and rethreads bolt sizes 6-32 and 8-32.
- Locking handle for compact storage.



GRX-3224

Part #	Description	Wire Gauge	Length
GRX-3224	NM Cable Stripper	12/2 & 14/2 NM Cable and #12 AWG and #14 AWG single conductor	7⅝"

NM CABLE STRIPPER

- Strips outer sheath of 12/2 cable.
- Strips single conductor 12 AWG.
- Power spring return reduces hand fatigue.
- Cut copper and aluminum wire
- Wire looping hole.
- Locking handle for compact storage.



GRX-122

Part #	Description	Length
GRX-122	NM Cable Stripper	6½"

CABLE RIPPER

- Rips and cuts NM cable jackets.
- Strips wire insulation.
- Compact ergonomic design.



CR-1000

Part #	Description	Wire Gauge	Length
CR-1000	Premium Cable Ripper	12/2 & 14/2 NM Cable	6½"



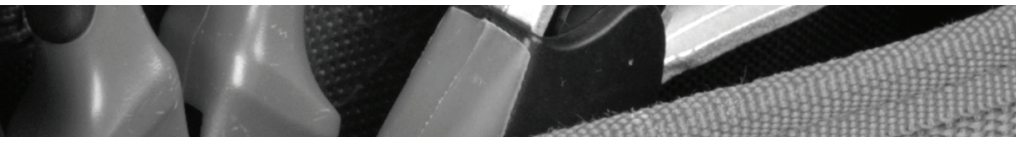
1. Rip open cable jacket



2. Cut off cable jacket



3. Strip wire ends





CR-100



CRC-100

CABLE RIPPERS

- Slits outer covering of non-metallic (type NM) sheathed cable.
- Wire gauge on handle checks and strips wire.
- Nickel-plated finish resists corrosion.

Part #	Description	Wire Gauge	Length
CR-100	Cable Ripper	12/2 & 14/2 NM Cable and 6-14 AWG single conductor	4"
CRC-100	Curved Cable Ripper	12/2 & 14/2 NM Cable and 8-14 AWG solid, 10-16 AWG stranded wire	4"

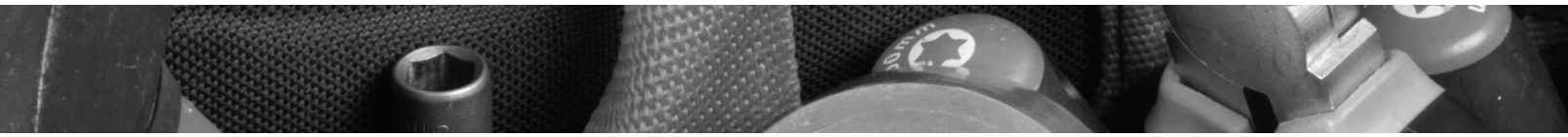


GK-4

TOOL AND TESTER KIT

- Includes the basic tools needed for household electrical projects.
- Includes 4-in-1 multi-tool, NM cable ripper, and AC/DC voltage tester.
- Multi-tool cuts copper and aluminum wire, strips 10-22 AWG wire, crimps 10-22 AWG insulated and non-insulated terminals, and cuts bolt sizes 4-40, 6-32, 8-32, 10-32, and 10-24.
- Cable ripper strips 6-14 AWG solid wire, 14/2 & 12/2 NM cable.
- Circuit tester tests voltage from 90-300 V AC/DC.

Part #	Description
GK-4	Tool and Tester Kit



COAXIAL CABLE STRIPPERS & CUTTERS

Comparison Chart

FEATURE	 GS-359	 GS-389	 SE-98	 SE-398	 COM-320	 COM-310
Wire Stripping Range						
Coaxial Cable	F-Type Connectors (RG-59, RG-6, RG-6 quad)	–	F-Type Connectors (RG-59, RG-6, RG-6 quad)	F-Type Connectors (RG-59, RG-6, RG-6 quad), RG-58	–	–
Solid	18 AWG	–	–	–	–	–
Crimping	F-Type Connectors (RG-59, RG-6, RG-6 quad)	F-Type Connectors (RG-59, RG-6, RG-6 quad)	–	–	F-Type Connectors, RCA, BNC	F-Type Connectors, RCA, BNC
Plier Nose	✓	–	–	–	–	–
Wire Looping Holes	✓	–	–	–	–	–
Built-in Locking Mechanism	✓	–	–	–	–	–



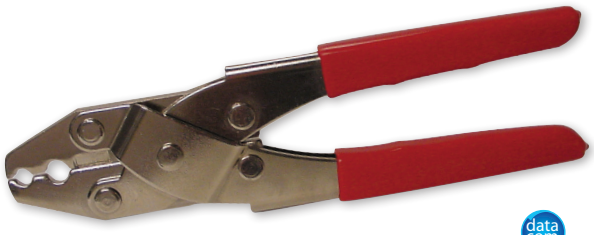
GS-359

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 onto cable.
- Hardened steel cutting blades provide strength and durability.

Patented

Part #	Description	Wire Gauge	Length
GS-359	Coaxial Stripper	RG-59 & RG-6	6¼"

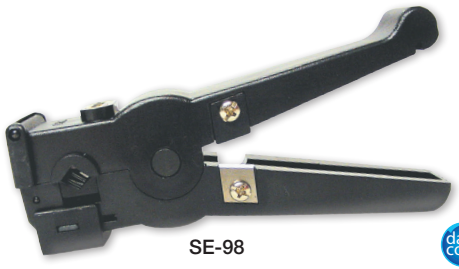


GS-389

COAXIAL CUTTER/CRIMP RG-59 RG-6

- Crimps RG-59 and RG-6 “F” Connectors.
- Machined black blade cuts coaxial cable.
- Cushioned handles provide improved comfort.

Part #	Description	Length
GS-389	Coaxial Cutter/Crimp	8"



SE-98

COAXIAL CUTTER & STRIPPER

- Cuts and strips coaxial cable (RG-58, RG-59 and RG-6, and RG-6 quad).
- Easily adjusts to various cable thicknesses and desired blade depth.
- One-squeeze cutting action.
- Includes replacement blade.

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



SE-398

COAXIAL CUTTER & STRIPPER

- Cuts and strips coaxial cable (RG-58, RG-59, RG-6, and RG-6 quad).
- Easily adjusts to various cable thicknesses and desired blade depth.

Part #	Description	Wire Gauge	Length
SE-398	Coaxial Cable Cutter & Stripper	RG-59 & RG-6	6¼"



SE-398 also included in:
DTK-1000 8 Pc Coax Installation Kit



COM-320



COM-310

COMPRESSION CRIMP TOOLS

- Permanent connection.
- Works with most brands.
- Compression connectors add a water tight seal.
- COM-310 features a compact design for easy use and storage.

Part #	Description	Wire Gauge
COM-320	Crimp Tool	RG-59 & RG-6
COM-310	Crimp Tool	RG-59 & RG-6



COM-310



COM-310 also included in:
DTK-1000 8 Pc Coax Installation Kit

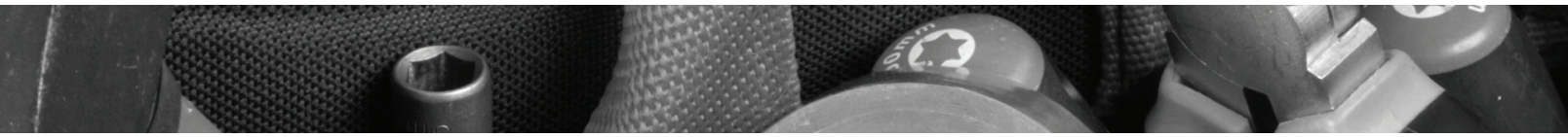


DTK-1000

8-PIECE COAX INSTALLATION KIT WITH CARRYING CASE

- Kit includes the tools needed for cutting, stripping, and terminating coax cables and F-Type connectors for coax installations.
- Kit includes: cable cutter, SE-398 coax cable stripper, COM-310 compression tool, 4 GDC-6CM F-Type connectors, and a carrying pouch.
- Carrying case includes a belt clip for easy transportation.

Part #	Description
DTK-1000	8-Piece Coax Installation Kit



TELEPHONE & NETWORKING CABLE STRIPPERS & CRIMPERS

Comparison Chart

FEATURE	 GMC-1145D	 GMC-2000D	 GTPS-3100	 GTPS-3200
Wire Stripping Range	CAT 3, CAT 5 cable	CAT 3, CAT 5 cable	CAT 3, CAT 5 cable	CAT 3, CAT 5 cable
Crimping	RJ-11, RJ-12, RJ-45	RJ-11, RJ-45	–	–



GMC-1145D

RJ-45 / RJ-11 MODULAR PLUG CRIMP TOOL

- Used to produce patch cable and handset cables, cut, strip, and crimp.
- Heat-treated steel frame provides strength and durability.
- Comfort grip handles.
- Replacement cutting blade extends the life of the tool.

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



GMC-2000D

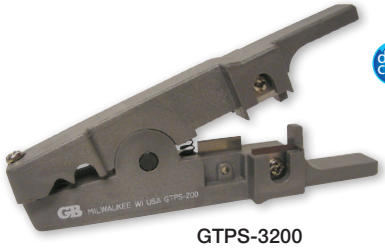
RJ-45 / RJ-11 MODULAR PLUG CRIMP TOOL

- Used to produce patch cable and handset cables, cut, strip, and crimp.
- Durable ABS plastic construction.
- Includes 10 RJ-11 modular plugs and 5 RJ-45 modular plugs.

Part #	Description	Plugs	Pins
GMC-2000D	Module Crimp Tool	RJ-11, RJ-45	2, 4, 8



GTPS-3100



GTPS-3200

UTP/STP CABLE STRIPPER

- Strips UTP and STP cable up to .24" (6.2mm) diameter.
- Tension release lever for easy positioning and release of cable.
- Compact design for easy handling.
- For use on CAT 3 and CAT 5 cable.
- GTPS-3200 can also cut UTP and STP cable up to .24" (6.2mm) diameter.

Part #	Description	Wire Gauge	Length
GTPS-3100	UTP/STP Round Cable Stripper	UTP/STP	3¼"
GTPS-3200	Premium Cable Stripper	UTP, STP, flat, round from ⅛" to ⅜" in diameter and silver satin and other flat cables	4½"

PUNCH-DOWN TOOLS

Comparison Chart

FEATURE	PDT-110	PDTL-3110
Type of Termination	High-impact	Non-impact
Type of Blade	Type-110, Type-66	Type-110



PDT-110

IMPACT PUNCH DOWN TOOL

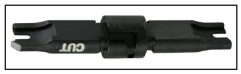
- Includes a type-110 blade and a type-66 blade.
- Inserts and cuts cable in termination blocks.
- Constructed of durable ABS resin.
- Impact adjustment with high/low setting accommodates multiple applications.
- Extra blade can be stored in handle.
- Spring-loaded design quickly and easily inserts and 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-110	Type-110 Terminal Punch-Down Tool with Blade	Data	7½"

Part #	Description
PDB-66110	Type-110/66 Combo Replacement Blade
PDB-110	Type-110 Replacement Blade



PDB-66110



PDB-110



PDTL-3110

NON-IMPACT PUNCH-DOWN TOOL

- Constructed of durable ABS resin.
- Non-cut blade.
- 110-style blade used in CAT 3 and CAT 5 terminations.

Part #	Description	Network	Length
PDTL-3110	Non-Impact Punch Down Tool	Data	7½"

PLIERS

LONG NOSE PLIERS



GS-385

- Multi-function pliers: Cut, strip, grip, crimp, and form/loop wire.
- Use needle nose to form wire or grip small parts.
- Strip 14-16 AWG solid or stranded wire.
- Crimp 14-16 AWG non-insulated terminals.
- Cutting blade cuts solid or stranded wire.

Part #	Description	Length
GS-385	Long Nose w/ Cutter and Crimper	6½"

LONG NOSE PLIERS WITH SIDE CUTTER



GPS-3238

- Long nose design for forming and looping wire and handling small parts.
- Forged from high-carbon steel for durability and strength.
- Cut brass, copper, and aluminum wire.
- Comfort-grip handles.

Part #	Description	Length
GPS-3238	Long Nose Pliers	8½"

DIAGONAL CUTTING PLIERS



GPS-3220



GPS-3228



GS-386

- Tapered nose allows cutting in tight locations.
- Dual cutting edge and comfort-grip handle design for optimal 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.

Part #	Description	Length
GPS-3220	Cutting Pliers, Box Joint	8"
GPS-3228	Cutting Pliers, Curved Diagonal	8"
GS-386	Diagonal Cutting Pliers, Box Joint	6⅜"



GS-387

LINEMAN'S PLIERS

- Medium-duty side-cutting 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-387	Linemen's Pliers	7½"



GCP-3400

LINEMAN'S PLIERS WITH CUTTER & CRIMPER

- High-leverage tool with crimping die and side cutters.
- Comfort-grip handles.
- Crimp non-insulated terminals.
- Serrated jaws provide maximum gripping.

Part #	Description	Length
GCP-3400	Linemen's Pliers and Crimping Tool	10"

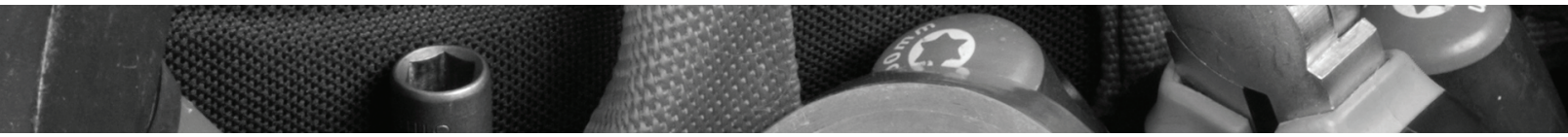


GS-388

8" CRIMPING PLIERS

- Crimp 10-22 AWG non-insulated terminals.
- Cuts copper and aluminum wire.
- Tapered nose for cutting in tight locations.

Part #	Description	Length
GS-388	Crimping Pliers	8"



CABLE CUTTERS

Comparison Chart

FEATURE	 GBX-300	 GC-375	 GRC-750	 GC-500	 GC-1000
Type of Cable	BX, MC, AC, liquid tight	Soft copper, aluminum	copper, aluminum	soft copper, aluminum	soft copper, aluminum
Maximum Cable Cut Size	⅜"	2/0	750 MCM	500 MCM	1000 MCM
Length of Tool	7¼"	8"	15¾"	21"	33"





GBX-300

Extra blade storage

BX & FLEXIBLE CABLE CUTTER

- Cut up to ⅜" BX, MC, AC, and liquid tight cable.
- High durability blade lasts twice as long as normal blades.
- Includes storage space for replacement blades.
- Pivot shaft is reinforced with high strength steel sleeve.
- 25 foot drop test.
- Thumbwheel for easy blade change, no tooling required.
- Quick-clamp feature automatically adjusts to cable size and secures it for splitting.
- Automatic release ejects cable.
- Cutting depth adjustment ensures clean cuts without nicking cable.

Part #	Description	Length
GBX-300	BX Armor Cutter	7¼"



GC-375

CABLE CUTTER

- Cable-cutting tool designed to cut cleanly with high-leverage one-hand operation.
- Cuts soft copper & aluminum cable.

Part #	Description	Cut Size	Length
GC-375	Cable Cutter	2/0	8"



GRC-750

RATCHETING CABLE CUTTER

- Cut copper and aluminum cable up to 750 MCM.
- Ratcheting mechanism for increased leverage.
- Variable-force cutting action; perform high force or quick cuts.
- 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 handles provide firm grip control.

Part #	Description	Jaw Opening	Length
GRC-750	Ratcheting Cable Cutter	1 9/16"	15¾"



GC-1000

GC-500

HIGH-LEVERAGE CUTTERS

- Cuts soft copper and aluminum cable.
- Heat-treated alloy steel jaws make fast, sharp cuts.
- Lightweight fiberglass handles feature. comfortable rubber grips.

Part #	Description	Cut Size	Length
GC-500	Cable Cutter	500 MCM max	21"
GC-1000	Cable Cutter	1000 MCM max	33"



GPC-200



GKC-100A

CUT-A-WAY® PVC CONDUIT CUTTER

- Cuts flexible, watertight flexible and schedule 40 PVC conduit.
- Blade makes fast, clean cuts.
- Tough, lightweight aluminum handles.
- Compact design provides easy storage.

Part #	Description	Length
GPC-200	Cut-A-Way® PVC Cutter (½" - 2" PVC)	17"
GKC-100A	Cut-A-Way® PVC Cutter (½" - 1" PVC)	8"

SCREWDRIVERS

INSULATED SCREWDRIVERS

- #2 Phillips® and 3⁄16" flat tips.
- Magnetized, heat treated Chrome-Vanadium steel material reduces chipping and slipping.
- Insulated shaft and handle up to 1000V.
- High-torque ergonomic handle with hang hole and soft cushioned grip.
- SCE-3260 features a 5⁄16" hex socket.



SCE-3260



SCE-3262

Part #	Description	Tips
SCE-3260	Insulated Screwdriver, Reversible Tip	Reversible #2 Phillips and 3⁄16" flat tips, 5⁄16" hex socket
SCE-3262	Insulated Screwdriver Set, 2 pc.	1 Screwdriver: #2 Phillips tip 1 Screwdriver: 3⁄16" flat tip



See page 142
For more info on
Circuit Alert® Screwdrivers

STUBBY NUTDRIVER SET

- 1/4" and 5/16" nut drivers
- Magnetized tips securely hold small nuts.
- Hollow shaft for long bolts or threaded rod.
- Tool type and size are marked on the end of the handles for easy tool identification.
- Corrosion resistant chrome plated shaft.
- Cushioned handles for comfortable all-day use.



NSS

Part #	Description	Length
NSS	Stubby Nutdriver Set	4"

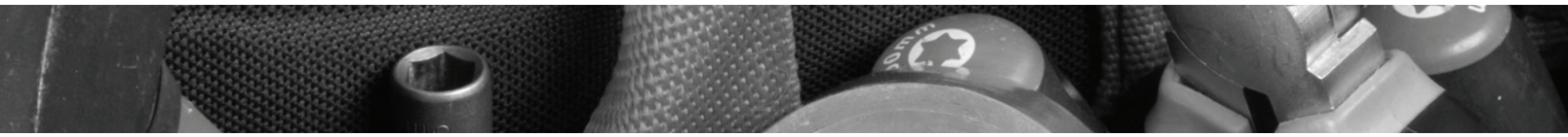
TRIPLE TAP

- Three-in-one tapping tool designed for electrical work.
- Cleans and rethreads holes.
- Made of top-grade steel.



TT-10B

Part #	Description	Length
TT-10B	3 Size Tapping Tool	6⅞"



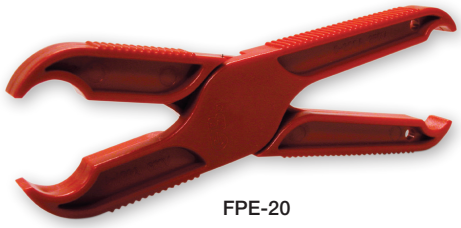




LOCKNUT WRENCHES

- Easily tighten and loosen locknuts in tight spaces.
- Thin tools fit a majority of UL locknuts.
- Etched markings allow for easy identification; clearly marked tighten and loosen ends make usage a breeze.
- Available in three different sizes to fit every application: ½", ¾", and 1".
- Hooked tips latch onto locknuts and maximize turning leverage.
- Durable lightweight tools fit easily in a pocket.

Part #	Description	Length
LNW-500	½" Locknut Wrench	5"
LNW-750	¾" Locknut Wrench	5¾"
LNW-1000	1" Locknut Wrench	6¼"
LNW-KIT	Locknut Wrench Kit; ½", ¾"	5" - 5¾"
LNW-3PC	Locknut Wrench Kit; ½", ¾", 1"	5" - 6 ¼"



FPE-20

FUSE PULLER

- Tough insulated plastic fuse puller.
- Made of non-conductive high-grade plastic.
- Designed for use with 0 to 200A/250V and 0 to 100A/600V fuses.
- Compact lightweight design.

Part #	Description	Fuse Size	Length
FPE-20	Fuse Puller	0-200A/250V and 0-100A/600V	7 ¼"



KF-200

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

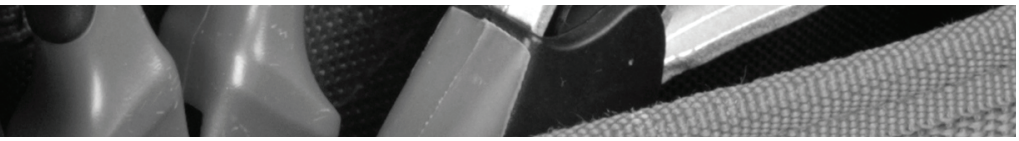


ES-360

PREMIUM ELECTRICIAN SCISSORS/CUTTERS

- Stainless steel with precision hollow-ground and hardened for long-lasting edge.
- One micro-serration blade reduces slippage.
- Right and Left handed users.
- Full Length: 5½" (138 mm), Cutting Length: 15⁄8" (42 mm)
- For Shearing: Soft cable, up to 22 mm dia., Insulation materials, Electrical tape, many other materials, and stripping insulation.

Part #	Description	Length
ES-360	Scissors/Cutters	5½"



NOTES



SWITCHES

Gardner Bender® switches are available in many different styles and sizes. They are used in countless applications, from basic on-off to multifunction applications.

Appliance, Industrial & Home Switches	168	Rotary Switches	167
Pull-Chain Switches	165-166	Toggle Switches	163-164
Push-Button Switches	164-165	Toggle Switch Accessories	164
Rocker Switches	166-167		





SWITCH TERMINOLOGY

Single Pole (SP): A switch device that opens, closes or changes connections in a single conductor of an electrical circuit

Double Pole (DP): A switch device that opens, closes or changes connections in both conductors of the same circuit.

Two Circuit (2 CIR): A switch device that opens, closes or changes connections in a single conductor of two independent circuits.

Single Throw (ST): A switch device that opens, closes or completes a circuit at only one of the extreme positions of its actuator.

Double Throw (DT): A switch device that opens, closes or completes a circuit at both extreme positions of its actuator.

Actuator: A lever, push-button, slide, trigger or other means by which an external force is applied to operate a switch mechanism.

Normally Open (NO): A momentary type switch in which one or more circuits are open when the switch actuator is at its normal or rest position.

Normally Closed (NC): A momentary type switch in which one or more circuits are closed when the switch actuator is at its normal or rest position.

Alternate Action (Double Action Push): Push to make, then push to break, a circuit.

Power Ratings for Switches: The current handling capability of a switch measured in amperes, horsepower, lamp load or combinations of these with applicable voltages.

UL/CSA RATED SWITCHES

A UL/CSA-marked rating in amperes indicates that the switch meets or exceeds test house performance requirements of 6000 make-and-break cycles at the rated current, preceded by 50 make-and-break cycles at 150% switch current rating. 125% is used when switch ratings exceed 10 amperes.

A UL/CSA horsepower-only rated device meets minimum test requirements of 50 make-and-break cycles at the appropriate locked rotor current, followed by 6000 cycles at one-sixth the AC-locked rotor current and 10% of the DC-locked rotor current.

AC ampere ratings are resistive or inductive, with the inductive rating tested at 75% to 80% power factor.

AC horsepower ratings are inductive and tested at 40% to 50% power factor.

"L" Rating denotes ability of an AC-only switch to handle the initial high in-rush characteristics of a tungsten filament lamp on AC voltage only.

"T" Rating denotes ability of an AC/DC switch to handle the initial high in-rush characteristics of a tungsten filament lamp on either AC or DC voltage.

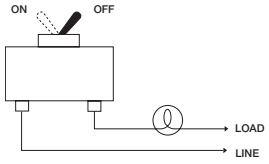
All DC ratings are 100% resistive only (non-inductive).

Many AC-only rated switches can be used in applications where less than 30 volts DC is required, provided current does not exceed full current rating of the switch.

Ampere-rated switches will not automatically handle in-rush characteristics of five to six times switch rating.

SPST

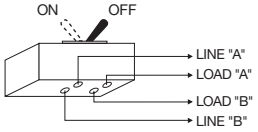
A switch that makes or breaks the connection of a single conductor in a single branch circuit. This switch has two terminals that are either connected together or disconnected.



ONE CIRCUIT - ON/OFF

DPST

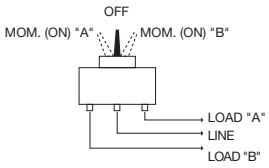
A switch that makes or breaks the connection of two conductors in a single branch circuit. This switch has four terminals and is the equivalent of two SPST switches controlled by a single mechanism.



TWO CIRCUITS - ON/OFF

SPDT

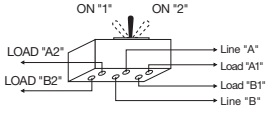
A switch that makes or breaks the connection of a single conductor with either of two other single conductors. This switch has 3 terminals and is commonly referred to as a "Three-Way" switch.



ONE CIRCUIT - ON/OFF/ON

DPDT

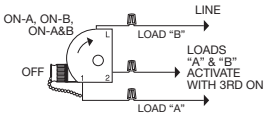
A switch that makes or breaks the connection of two conductors to two separate circuits. This switch has six terminals and is the equivalent to two SPDT switches controlled by a single mechanism.



TWO CIRCUITS - ON/OFF/ON

SPTT

A switch that makes or breaks the connection of a single conductor with either of three other single conductors or either or both of two conductors.



ONE CIRCUIT - OFF/ON(A)/ ON(B)/ON(A+B)

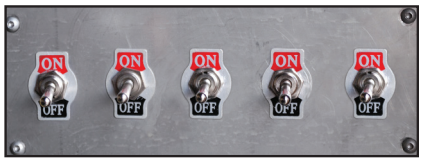
TOGGLE SWITCHES

Versatile toggle switch family with multiple position configurations.

- Available in single or double pole.
- Perfect for industrial equipment or emergency lighting.
- Mounts in standard ½" diameter hole.
- Standard nut size (15/32"- 32).
- Commonly used on: Power Tools, Panel Controls, Appliances, Circulation Fans, Marine, Motors and Grinders.



GSW-10



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

Part Number	GSW-10	GSW-11*	GSW-17*	GSW-110	GSW-111	GSW-121L*	GSW-124	GSW-121	GSW-122	GSW-127	GSW-18*	GSW-125
Poles & Throws	**SPST**											
Toggle Position	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF
Terminal Type (# of terminals)	Screw (2)	Screw (2)	Screw (2)	"O" Ring & Screw (2)	Screw (2)	Screw (2)	Screw (2)	Spade (2)	Spade (2)	Spade (2)	6" Wire Leads (2)	6" Wire Leads (2)
Actuator	Bat Shaped	Bat Shaped	Bat Shaped	Bat Shaped	Bat Shaped, Long Handle	Long Shank & Short Ball	Short Ball	Bat Shaped	Bat Shaped	Bat Shaped	Bat Shaped	Short Ball
Rating	1½ HP 125-250 VAC, 20A/125-227 VAC	1½ HP 125-250 VAC, 20A/125-227 VAC	3A/240 VAC, 6A/120 VAC	1½ HP 125-250 VAC, 20A/125-227 VAC	¾ HP 125-250 VAC, 20A/125 VAC, 10A/277 VAC	3A/250 VAC, 6A/125 VAC	3A/240 VAC, 6A/120 VAC	1½ HP 125-250 VAC, 20A/125-227 VAC	¾ HP 125-250 VAC, 20A/125 VAC, 10A/277 VAC	18(12) A/125 VAC	⅓ HP 125 VAC, 4A/250 VDC, 8A/125 VDC, 10A/125 VAC	⅓ HP 125 VAC, 4A/250 VDC, 8A/125 VDC, 10A/125 VAC

**Switch has an ON-OFF faceplate*

Part Number	GSW-12	GSW-13	GSW-117	GSW-120
Poles & Throws	**SPDT**			
Toggle Position*	ON-ON	ON-OFF-ON	(ON)-OFF-(ON)	ON-OFF-ON
Terminal Type (# of terminals)	Screw (3)	Screw (3)	Screw (3)	Spade (3)
Actuator	Bat Shaped	Bat Shaped	Bat Shaped	Bat Shaped
Rating	1½ HP 125-250 VAC, 20A/125-277 VAC	1½ HP 125-250 VAC, 20A/125-277 VAC	1½ HP 125-250 VAC, 20A/125-277 VAC	1½ HP 125-250 VAC, 20A/125-277 VAC

**( ) Indicates momentary action*

Part Number	GSW-14	GSW-140
Poles & Throws	**DPST**	
Toggle Position	ON-OFF	ON-OFF
Terminal Type (# of terminals)	Screw (4)	Spade (4)
Actuator	Bat Shaped	Bat Shaped
Rating	1½ HP 125-250 VAC, 20A/125-277 VAC	10A/125-250 VAC

Part Number	GSW-15	GSW-16	GSW-123	GSW-126	GSW-143
Poles & Throws	**DPDT**				
Toggle Position*	ON-ON	ON-OFF-ON	(ON)-OFF-(ON)	ON-OFF-ON	ON-OFF-ON
Terminal Type (# of terminals)	Screw (6)	Screw (6)	Screw (6)	Spade (6)	Spade (6)
Actuator	Bat Shaped	Bat Shaped	Bat Shaped	Bat Shaped	Bat Shaped
Rating	1½ HP 125-250 VAC, 20A/125-277 VAC	1½ HP 125-250 VAC, 20A/125-277 VAC	1½ HP 125-250 VAC, 20A/125-277 VAC	1½ HP 125-250 VAC, 10A/277 VAC, 20A/125 VAC	10A/125-250 VAC

**( ) Indicates momentary action*



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.
- Standard nut size (15⁄32"-32).
- Mounts in standard ½" diameter hole.

			
Part Number	**GSW-19**	**GSW-114**	**GSW-115**
Poles & Throws	**SPST**	**SPDT**	**DPDT**
Toggle Position*	ON-OFF	(ON)-OFF-(ON)	ON-OFF-ON
Terminal Type (# of terminals)	Screw (2)	Spade (3)	Spade (6)
Actuator	Flat	Flat	Bat Shaped
Rating	20A/125-277 VAC	20A/125-277 VAC	10A/277 VAC, 20A/125 VAC

*( ) Indicates momentary action



GSW-20



GSW-20H

TOGGLE SWITCH COVER

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

- Built-in 15⁄32"-32 hex nut base screws onto most GB® toggle switches.

Part #	Description	Pkg Qty
GSW-20	Toggle Switch Cover	2/card
GSW-20H	Toggle Switch Cover, Half Boot	2/card



GSW-ACC

TOGGLE SWITCH KNURLED AND HEX NUTS

Two knurled nuts and two hex nuts for use with GB® toggle switches to prevent damage during installation

- Includes an On/Off faceplate
- Fits all GB® toggle switches and most other switches designed with a ½" mounting hole

Part #	Description	Pkg Qty
GSW-ACC	Knurled and Hex Nuts	5/card

PUSH BUTTON SWITCHES

MOMENTARY CONTACT PUSH-BUTTON SWITCHES

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

- Normally OFF/OPEN or normally ON/CLOSED models.
- Screw terminals.
- Mounts in standard ½" diameter hole.
- Mounting nut included.
- Standard nut size (15⁄32"- 32).
- Commonly used on: Shop & Power Tools, Auto & Marine, Control Panels, Buzzers, Lamps, Farm/Agriculture and Appliances.



GSW-22



			
Part Number		**GSW-22**	**GSW-140**
Poles & Throws		**SPST**	
Toggle Position*		OFF-(ON)	ON-(OFF)
Terminal Type (# of terminals)		Screw (2)	Screw (2)
Color		Black	Red
Rating		3A/240 VAC, 6A/120 VAC	1.5A/277 VAC, 3A/120 VAC

*( ) Indicates momentary action



MAINTAINED CONTACT/LATCHING PUSH-BUTTON SWITCH - MOTOR RATED

Maintained push-button 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.
- Mounts in standard 1/2" diameter hole.
- Standard nut size (15/32" - 32).

Part Number	GSW-21
Poles & Throws	SPST
Toggle Position	ON-(OFF)
Terminal Type (# of terminals)	6" Wire Leads (2)
Color	Black
Rating	1/3 HP 125 VAC,4A/250 VDC, 8A/125 VDC,10A/125 VAC

MAINTAINED CONTACT/LATCHING PUSH-BUTTON 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.
- Mounts in standard 1/2" diameter hole.
- Nut size: 1/8" - 27.

Part Number	GSW-24	GSW-25*
Poles & Throws	SPST	
Toggle Position	ON-OFF	ON-OFF
Terminal Type (# of terminals)	6" Wire Leads (2)	6" Wire Leads (2)
Color	Nickel	Brass
Circuit	2 Pos. 2 Wire	2 Pos. 2 Wire
Rating	6A/125 VL, 3A/250 VAC, 6A/125 VAC	6A/125 VL, 3A/250 VAC, 6A/125 VAC

**Also available in a bulk pack of 10, part # GSW-24BP*

tip: Horsepower Rating: AC horsepower ratings are inductive and tested at 40% to 50% power rating.

PULL-CHAIN SWITCHES

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 1/2" diameter hole).
- Color coordinated nickel or brass plated.
- Commonly used on: Ceiling Fan, Lighting, Neon Signs and Ceiling Fixtures.



GSW-32



tip: "L" Rating Example: 3A/125VL means the switch is rated to handle the high in-rush AC loads.

Part Number	GSW-31*	GSW-32*	GSW-35**
Poles & Throws	SPST		
Toggle Position*	ON-OFF	ON-OFF	ON-OFF
Terminal Type (# of terminals)	6" Wire Leads (2)	6" Wire Leads (2)	6" Wire Leads (2)
Color	Nickel	Brass	Nickel
Circuit	2 Pos. 2 Wire	2 Pos. 2 Wire	2 Pos. 2 Wire
Rating	3A/125 VL, 3A/250 VAC, 6A/125 VAC	3A/125 VL, 3A/250 VAC, 6A/125 VAC	3A/250 VAC, 6A/125 VAC

**Also available in a bulk pack of 10, part # GSW-31BP & GSW-32BP **All angle*



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.

Part Number	GSW-33	GSW-34	GSW-39
Poles & Throws	SPDT	SPTT	
Toggle Position*	OFF-ON-ON	OFF-ON-ON-ON	OFF-ON(A)-ON(B)-ON(A+B)
Terminal Type (# of terminals)	Insulation Displacement (2)	Insulation Displacement (2)	6" Wire Leads (2)
Color	Brass	Brass	Brass
Circuit	3 Pos. 3 Wire	4 Pos. 4 Wire	4 Pos. 3 Wire
Rating	6A/125 VL, 3A/250 VAC, 6A/125 VAC	3A/250 VAC 6A/125 VAC	6A/125 VL, 3A/250 VAC, 6A/125 VAC

ROCKER SWITCHES

STANDARD ROCKER SWITCHES

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

- Frame is black glass-filled nylon.
- Commonly used on: Ovens, Lighting, Industrial Controls, Appliances, Computer Equipment, Power Tools and Marine.



GSW-45



Part Number	GSW-45	GSW-49*	GSW-46
Poles & Throws	SPST		DPDT
Toggle Position	ON-OFF	ON-OFF	ON-OFF-ON
Terminal Type (# of terminals)	Spade (2)	Spade (3)	Spade (6)
Rating	1½ HP 125-250 VAC, 20A/125-277 VAC	1½ HP 125-250 VAC, 20A/125-277 VAC	½ HP 250 VAC, ⅓ HP 125 VAC, 6A/125-250 VAC

**Red lighted*

APPLIANCE ROCKER SWITCHES

Economy rocker switches that fit standard .550" X 1.125" panel cutouts.

- Perfect for machinery or appliances.
- Lighted or unlighted versions available.

Part Number	GSW-41	GSW-42*
Poles & Throws	SPST	
Toggle Position	ON-OFF	ON-OFF
Terminal Type (# of terminals)	Spade (2)	Spade (3)
Rating	10A/250 VAC, 16A/125 VAC	10A/250 VAC, 16A/125 VAC

**Red lighted*



MINI ROCKER SWITCHES

Miniature rocker switches that fit .520" X .776" and .787" diameter panel cutouts.

- Perfect for small machinery or appliances.

Part Number	GSW-48*	GSW-50*	GSW-51
Poles & Throws	SPST		
Toggle Position	ON-OFF	ON-OFF	ON-OFF
Terminal Type (# of terminals)	Spade (3)	Spade (3)	Spade (2)
Rating	½ HP 250 VAC, ⅓ HP 125 VAC, 10A/125 VAC, 6A/125-250 VAC	10A/250 VAC, 16A/125 VAC	3A/250 VAC, 6A/125 VAC

**Red lighted*

LOCK OUT ROCKER SWITCH

Heavy-duty rocker switch for power tools and accessories.

- Features a locking key to prevent the switch from turning on.
- Fits 0.543" X 1.102" panel cutout.

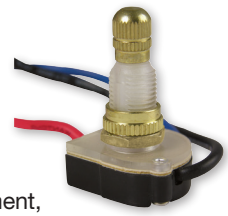
Part Number	GSW-41
Poles & Throws	SPST
Toggle Position	ON-OFF
Terminal Type (# of terminals)	Spade (2)
Rating	½ HP 250 VAC, ⅓ HP 125 VAC, 10A/125 VAC, 6A/125-250 VAC

ROTARY SWITCHES

ROTARY SWITCHES

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

- Nut size (⅜" - 27).
- Mounts in standard ½" diameter hole.
- Commonly used on: Lighting, Entertainment Systems, Electrical Equipment, Industrial Controls, Musical Instrument Controls and Auto & Marine.



GSW-62



Part Number	GSW-63B	GSW-63W	GSW-61	GSW-69*	GSW-62	GSW-68	GSW-64
Poles & Throws	SPST				SPTT		
Toggle Position*	ON-OFF	ON-OFF	ON-OFF	ON-OFF	OFF-ON(P)-ON(N)-ON(N+P)	OFF-ON(P)-ON(N)-ON(N+P)	OFF-ON(P)-ON(N)-ON(N+P)
Terminal Type (# of terminals)	6" Wire Leads (2)	6" Wire Leads (2)	6" Wire Leads (2)	6" Wire Leads (2)	6" Wire Leads (3)	6" Wire Leads (3)	Spade (4)
Color	Black Button	White Button	Brass	Black Plastic	Brass	Brass	Black Plastic
Rating	1A/125 VT, 5A/15 VT, 3A/125 VL, 1.5A/250 VAC, 3A/125 VAC	1A/125 VT, 5A/15 VT, 3A/125 VL, 1.5A/250 VAC, 3A/125 VAC	6A/28 VDC, 3A/250 VAC 6A/125 VAC	6A/28 VDC, 3A/250 VAC 6A/125 VAC	3A/250 VAC, 6A/125 VAC	3A/250 VAC, 6A/125 VAC	1A/125 VDC, 2A/250 VAC, 4A/125 VAC

**Also available in a bulk pack of 10, part # GSW-69BP*



APPLIANCE, INDUSTRIAL & HOME SWITCHES

Assorted push button, slide, key, magnetic, hinged, and cord switches for appliance, industrial, and home applications.

- Commonly used on: Doors, Cabinets, Windows, Closets, RVs, Furnaces, Cords, Appliances, Machinery, Electrical Equipment, and Industrial Controls.



GSW-SK



APPLIANCE SWITCHES

Part Number	GSW-RRS	GSW-RSN	GSW-RSC	GSW-RSF	GSW-SNP
Poles & Throws	**SPST**				
Toggle Position*	ON-(OFF)	ON-(OFF)	ON-(OFF)	(ON)-OFF	ON-OFF
Terminal Type (# of terminals)	5" Wire Leads (2)	Spade (2)	Spade (2)	Spade (2)	Spade (2)
Actuator	Push Button	Push Button	Push Button	Push Button	Toggle
Description	Round Refrigerator Switch	Round Refrigerator Switch	Refrigerator Switch	Refrigerator Switch	Snap-In Appliance Switch
Mounting hole	½" diameter hole	¾" diameter hole	1.1" X 1.1" cutout	1.1" X 1.1" cutout	0.813" X 1.125" cutout
Rating	.5A/250 VAC	2.5A/250 VAC, 5A/125 VAC	2.5A/250 VAC, 5A/125 VAC	2.5A/250 VAC, 5A/125 VAC	1½ HP 125-250 VAC, 10A/250 VAC, 20A/125 VAC

**( ) Indicates momentary action*

INDUSTRIAL SWITCHES

Part Number	GSW-151	GSW-GD	GSW-KS	GSW-MS
Poles & Throws	**SPST**			
Toggle Position	ON-OFF	OFF-ON	ON-OFF	ON-(ON)
Terminal Type (# of terminals)	Solder Terminals (2)	Screw (2)	Spade (1)	Spade (3)
Actuator	Slide Switch	Key	Bat Shaped	Hinged Lever
Description	Slide Switch	Garage Door Opener Switch w/ 2 keys	Ground Shorting Toggle Switch	Snap-In Micro Switch
Mounting hole	0.5" X 0.875" cutout	¾" diameter hole	Standard ½" diameter hole	0.114" hole
Nut Size	–	20/32"- 28	Standard nut size (15/32"- 32)	–
Rating	3A/250 VAC, 6A/125 VAC	3A/125 VAC, 1.5A/250 VAC	21A/14 VDC	½ HP 125-250 VAC, 16A/125-250 VAC

**( ) Indicates momentary action*

HOME SWITCHES

Part Number	GSW-AS	GSW-71	GSW-72	GSW-SK	GSW-26
Poles & Throws	**SPST**				
Toggle Position*	ON-ON	ON-OFF	ON-OFF	ON-(OFF)	ON-(OFF)
Terminal Type (# of terminals)	Screw (3)	Insulation Displacement (2)	Insulation Displacement (2)	6" Wire Leads (2)	6" Wire Leads (2)
Color	–	Brown	White	–	–
Actuator	Magnetic	Rotary	Rotary	Push Button	Push Button
Description	Magnetic Alarm Switch/Sensor	Cord Switch	Cord Switch	Refrigerator Switch	Door Switch Kit Replacement for GSW-SK
Mounting hole	–	–	–	0.55" X 1.1" cutout.	0.55" X 1.1" cutout
Rating	.25A/100 VDC, .25A/125 VAC	3A/125 VT, 3A/250 VAC, 6A/125 VAC	3A/125 VT, 3A/250 VAC, 6A/125 VAC	2.5A/250 VAC, 5A/125 VAC	½ HP 125-277 VAC, 10A/250 VAC, 16A/125 VAC

**( ) Indicates momentary action*

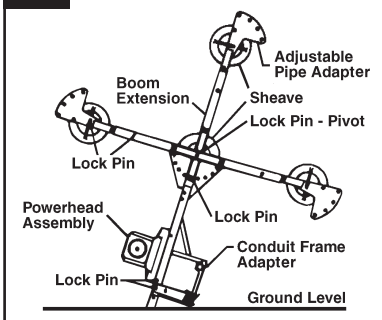


NOTES

APPENDIX A

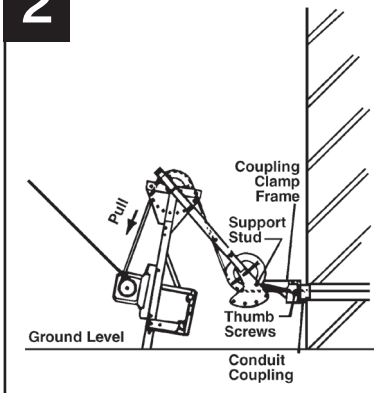
Brutus™ Puller Application Instructions

1



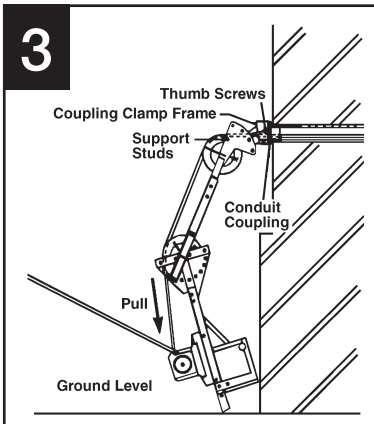
Different positions

2



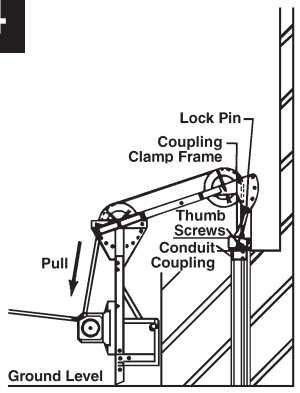
Pulling horizontally

3



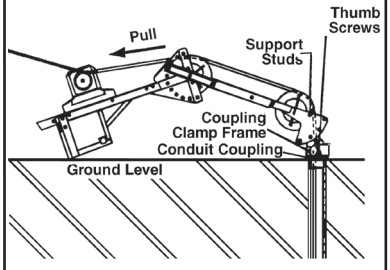
Puller suspended using horizontal pull

4



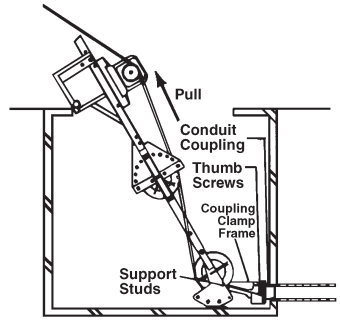
Puller suspended using vertical pull

5



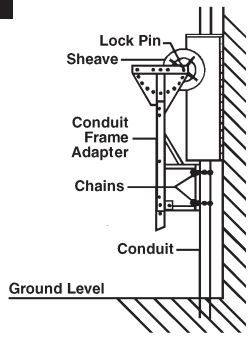
Vertical–pulling up

6



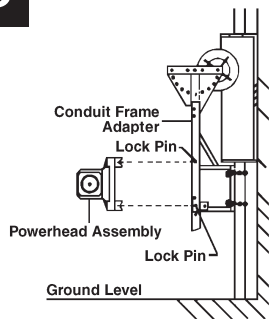
Underground pulling

7



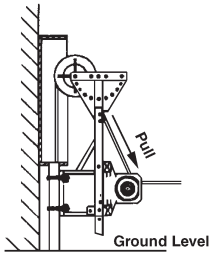
Conduit frame adapter with sheave chained to exposed conduit

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

Brutus™ Puller Application Instructions

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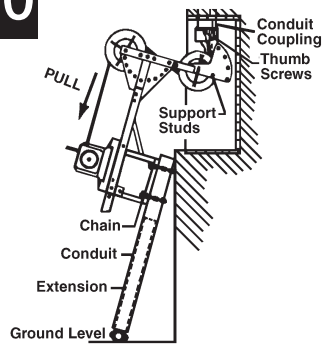
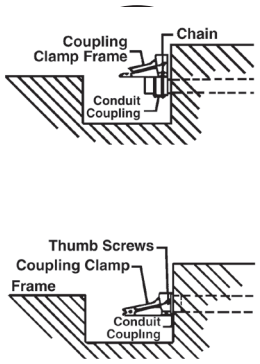


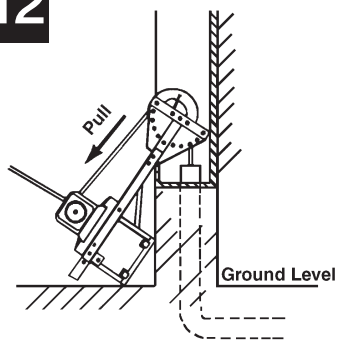
Conduit frame adapter chained to conduit (over the extension resting on floor) pulling down

11



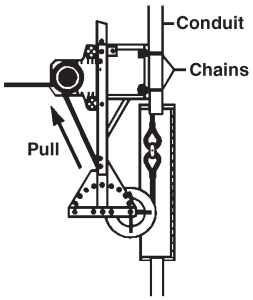
Coupling threaded onto conduit. Coupling clamp locked to coupling with two thumb screws

12



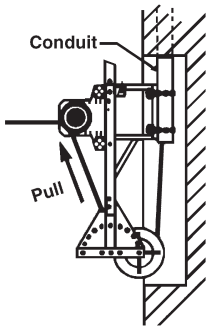
Conduit frame adapter resting on floor and on back of box – pulling up

13



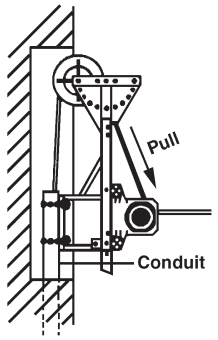
Conduit frame adapter chained to exposed conduit – pulling down

14



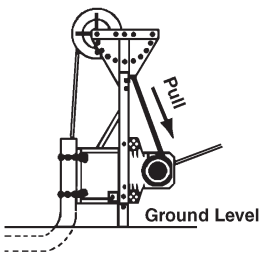
Downward pull – conduit frame adapter chained to conduit extension

15



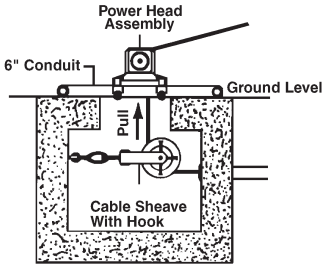
Upward pull – conduit frame adapter chained to conduit extension

15



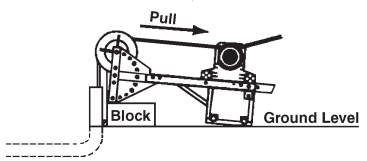
Conduit frame adapter chained to conduit – pulling up

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

APPENDIX A

Brutus™ Puller Application Instructions

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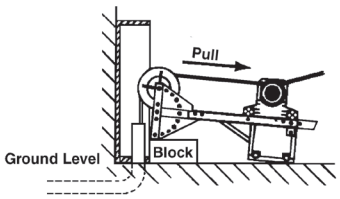
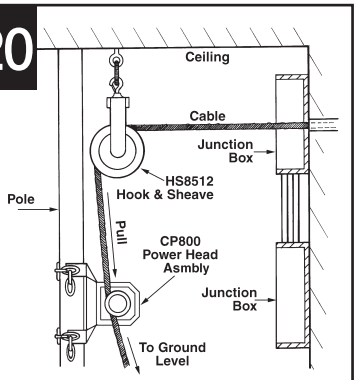


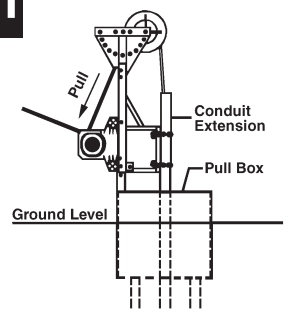
Resting conduit frame adapter on floor and blocks over conduit and pulling up

20



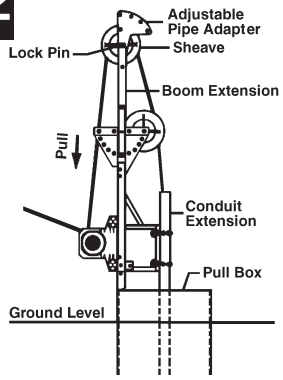
Pulling additional cable from junction box (1) down to junction box (2) using cable sheave with hook and power head assembly chained to pole

21



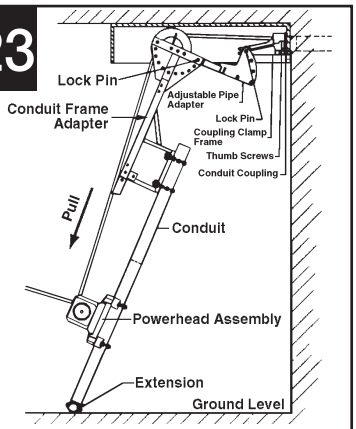
Conduit frame adapter chained to conduit extension in pull box – pulling vertically from underground

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

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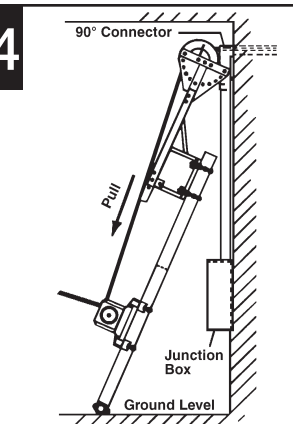
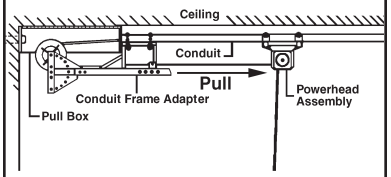


Pulling from 90° connector to obtain leads long enough to complete connection in junction box

25

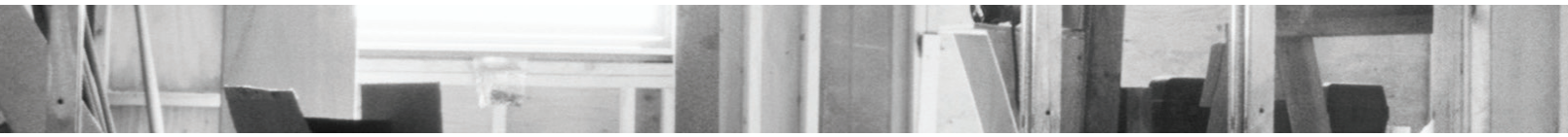


Conduit frame adapter and power head assembly chained separately to conduit, pulling from a ceiling pull box for additional cable

APPENDIX B

Terminal Kits Include:

Part Number	Description	Qty
TK-806	100 Piece Assorted Kit with 49 Ring (22-10 AWG, 3/8 to #6 Stud) and 7 Spade Terminals (16-14 AWG, #10 Stud), 30 Butt Splices (22-10 AWG), and 14 Male/Female Disconnects (16-14 AWG, 1/4" Tab).	100
TK-175	175 Piece Assorted Kit with 61 Ring (22-10 AWG, 3/8" to #6 Stud) and 55 Spade Terminals (22-14 AWG, #10 to #6 Stud), 26 Butt Splices (22-10 AWG), and 33 Male/Female Disconnects (22-14 AWG, 1/4" Tab)	175
TK-40	40 Piece Assorted Kit with 10 Ring (22-10 AWG, #10 to #8 Stud) and 8 Spade (22-10 AWG, #10 & #6 Stud) Terminals, 12 Butt Splices (22-10 AWG), and 10 Female Disconnects (22-14 AWG, 1/4" Tab)	40
TK-100	80 Piece Assorted Kit with 20 Wire Connectors (22-10 AWG), 15 Ring(22-10 AWG, #10 Stud) and 15 Spade (22-10 AWG, #10 Stud) Terminals, 20 Butt and Tap Splices (22-10 AWG), and 10 Male/Female Disconnects (22-10 AWG, 1/4" Tab)	80
TK-500	247 Piece Assorted Kit with 85 Wire Connectors (22-10 AWG), 40 Ring (22-14 AWG, #10 to #8 Stud) and 40 Spade (22-14 AWG, #10 to #8 Stud) Terminals, 42 Butt and Tap Splices (22-14 AWG), and 40 Male/Female Disconnects (16-14 AWG)	247
TK-1210	28 Piece Assorted Kit with 6 Ring (5/16" to #8 Stud) and 4 Spade (#10 to #8 Stud) Terminals, 4 Butt Splices, and 10 Male/Female Disconnects (1/4" Tab, Barrel/Fully Insulated). 12 to 10 AWG Kit.	28
TK-1614	46 Piece Assorted Kit with 20 Ring (1/4" to #6 Stud) and 10 Spade (#10 to #8 Stud) Terminals, 6 Butt Splices, and 10 Male/Female Disconnects (1/4" Tab) 16-14 AWG Kit.	46
TK-1822	46 Piece Assorted Kit with 10 Ring (#10 to #8 Stud) and 10 Spade (#10 to #8 Stud Terminals, 14 Butt and Bullet Splices (5/32" Tab Bullet), and 12 Male/Female Disconnects (1/4" Tab) 22-16 AWG Kit.	46
10-170	100 Piece Assorted Pack with 24 Ring (22-14 AWG, #10 Stud) and 24 Spade (22-14 AWG, #10 Stud) Terminals, 28 Butt Splices (22-14 AWG), and 24 Male/Female Disconnects (16-14 AWG, 1/4" Tab).	100
15-2210	10 Piece Assorted Tape Splice Kit (22-10 AWG).	10
TK-QC	18 Piece Assorted Tap Splice Kit (22-10 AWG).	18
GS-67K	25 Piece Electricians Kit with 1 Stripper and Crimper Tool (22-10 AWG) Kit with 6 Ring (22-14 AWG, #10 & #6 Stud) and 6 Spade (22-14 AWG, #10 to #8 Stud) Terminals, 6 Butt Splices (22-14 AWG), and 6 Male/Female Disconnects (22-14 AWG, 1/4" Tab).	25
GK-15N	100 Piece Terminal Kit that contains 24 Ring (22-10 AWG, #10 to #8 Stud) and 20 Spade (22-14 AWG, #10 to #8 Stud) Terminals, 26 Butt Splices (22-10 AWG), 10 Male/Female Bullet Splices (5/32" Tab), 9 Closed End Connectors (22-10 AWG), and 10 Male/Female Disconnects (16-14 AWG, 1/4" Tab) with 1 Stripper/Crimper (22-10 AWG).	100
GK-35	100 Piece Terminal Kit which contains 6 Ring (16-10 AWG, #10 Stud) and 5 Spade (22-10 AWG, #10 to #8 Stud) Terminals, 12 Butt and Tap Splices (22-14 AWG), 7 Straight Connectors (22-10 AWG), 55 Cable Ties (4" & 8"), and 14 Male/Female Disconnects (22-14 AWG) with 2Crimping Tool (22-10 AWG).	100
GK-50	398 Piece All Purpose Electrical Tool Box Kit with 24 Wire Connectors (22-10 AWG), 34 Ring (22-10 AWG, #10-#6 Stud) and 14 Spade (22-10 AWG, #10 to #8 Stud) Terminals, 32 Butt and Tap Splices (22-14 AWG), 256 Cable Ties (4" & 8") and 4 Hook & Loop Fasteners (6"), 12 Cable Clips/Clamps (1/8" to 3/8"), 1 Voltage Tester, 1 Roll of Vinyl Tape (3/4" x 30'), 1 Slotted/Phillips Screwdrivers, and 1 Stipper/Crimper too l(22-10 AWG).	398



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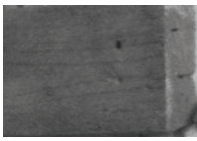

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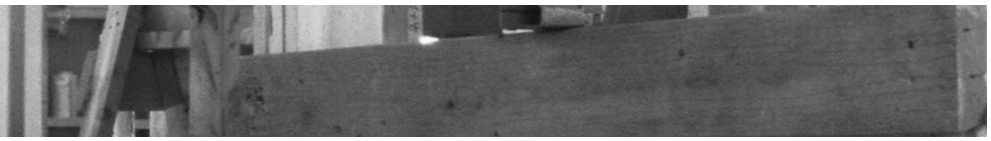

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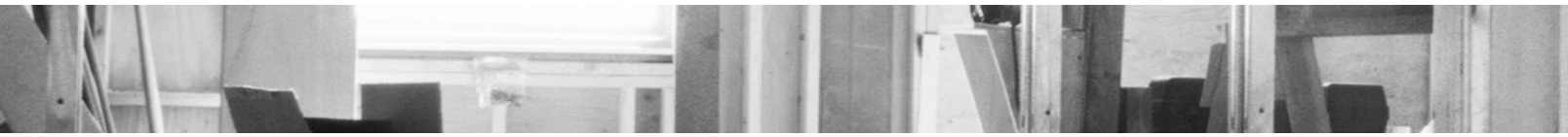

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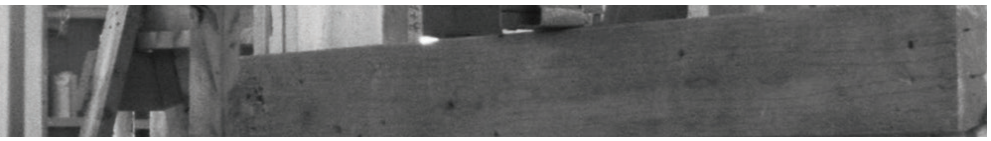

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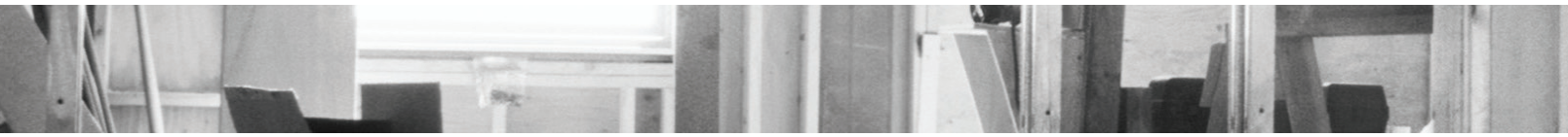

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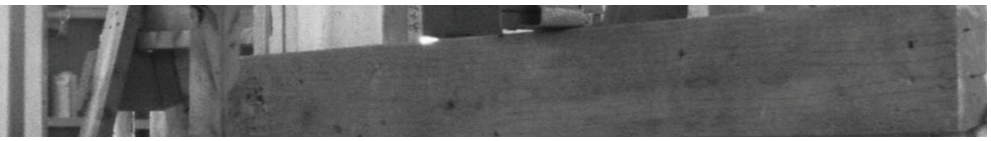

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