Wire Connectors

Terminals & Wire

Switches

Conduit Bending

Conduit Fishing

Hole Making

Hand Tools

Test Instruments

Cable Ties

Staples

Wire Management

Voice• Data• Video

GB® Gardner Bender

Full Line Product Catalog



















New Products

NEW **Pulling Grips**



90

NEW

Data • Voice • Video Products



173

NEW

CABLE WRAPTOR™



163

NEW

Heat Shrink Gun



164

NEW

Ultra Brutus™



88



NEW

ID & Stainless Steel Ties

150

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Gardner Bender

Table of Contents

Wire Connectors 5
Terminals & Wire 15
Switches 25
Conduit Bending 33
Conduit Fishing 65
Hole Making 101
Hand Tools 115
Test Instruments 131
Cable Ties 145
Staples 153
Wire Management 161
Voice • Data • Video 173
Index 189

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Wire Connectors
Crimp Connectors 12
Copper Lugs 14
Twist-on Connectors 7-10
Grounding Accessories 14
Hi-Temp Black Connectors 8
Mechanical Lugs 12-13
Nylon Pigtail Connectors 11
Push-In Connectors (PushGard™) 11
Winged Connectors (WingGard™) 8

Terminals & Wire
Clips & Clamps 23
Butt Splices & Kits 17, 20
Disconnects 19
Ring Terminals 17, 18
Spade Terminals 17, 18
GB Xtreme™ Terminals 17
Tap Splices 20
Terminal Blocks 20
Underground UF Splice Kits 22
Wire 23

Switches
Door Switch 32
Pull Chain Switches 30, 31
Push Button Switches 29, 30
Rocker Switches 31
Rotary Switches 32
Toggle Switches 28, 29
Toggle Switch Cover 29

Conduit Bending
Cyclone™ Electric Bender (B2000) 36
Hand Benders (including Big Ben™) 58-60
Hydraulic Benders / Accessories 40-53
Pumps 49-51
PVC Benders & Plug Sets 61-63
Sidewinder® Electric Bender (B2555) 37
Sidewinder® Mechanical Benders 54-57
Ultra Eegor™ Hydraulic Bender 40-41
Storage Cases (Tool-Guard™) 64

Conduit Fishing
Blower Systems 68-69
CO2 Systems 71-72
Fish Sticks 81
Fish Tapes (including UpperHand™) 76-80
Lubricants 91-93
Pull Line/Line Carriers 73-75
Pullers & Accessories 82-90
Reel Rollers & Jacks 96
Rope 93-94
Ultra Brutus™ 88-89
Wire Caddies & Carts 97-98

Hole Making
35-Ton Hydraulic Punch 108
Drawstuds 110-111
Step Bits 112
Slug-Out™ Sets for Mild & Stainless Steel 103-107
Stud Punch 113

Hand Tools
Circuit Alert™ 117-119
Cutters 122-123
Datacom/VDV 124-125
Knives 117, 130
Pliers 119, 126-128
Screwdrivers 119, 129
Wire Strippers 118, 120-124

Test Instruments
Battery Tester (analog) 142
Continuity Testers 135
Multimeters (analog, digital, clamp-on) 139-141
Non-Contact Voltage Testers 136
Receptacle Testers/Analyzers 137
Tester Parts 142
Tone & Trace 138
Voltage Testers 133-136

Cable Ties
Colored 150
Grip Strip™ 151
Heavy Duty 148
Miniature 147
Mounting Bases & Ties 149, 151
Releaseable 149
Standard 147
Tensioning Tools 151

Staples
Category 3 & 5 Data 159
Coaxial 158, 160
Conduit Straps 158
Fiber-Insulated 160
Insulated Metal 156
Low Voltage 156, 159
Masonry 159, 160
MultiCable 157
Metal 156
Plastic 157
Roofing 160
Service Entrance 157, 158
Staple Gun 155-156

Wire Management
Electrical Reference Books 172
Anchor Kit 171
Box Supports/Spacers 170, 172
Bushings/Insulators 178
Cable Clamps 167
Duct Seal Compound 169
Hanger Strap 169
Heat-Shrink Tubing 165-166
Knockout Seals 168
Screw Kits 171
Seals 168-169
Split Flex Tubing/Spiral Wrap 166
Stud Insulators 168
Tape 163-164
Wire Marking 170

Voice • Data • Video
Cable Boss™ Staple Gun 181
Cable Staples 181, 183
Coaxial Strippers/Cutters 177, 178
F-Series Connectors 177
Punch-down Tools 175
TelCom RJ-45 Modular Plugs 180
UTP/STP Cable Stripper 179
Wire Tracker™ Wire Tracer 176
Accessories 181-183



Wire 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.



page 7



page 11



page 12



page 13

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Aluminum Mechanical Lugs....13
Aluminum Splicer-Reducers....13
Aluminum Split Bolt Connectors....12
Anti-Oxidant Compound (Ox-Gard™)....14
Copper Mechanical Lugs....13
Copper Split Bolt Connectors....12
Crimp Connectors....12
Grounding Connectors (GreenGard™)....10
Grounding Accessories....14
Hi-Temp Black Connectors....8
Multi-Range Connectors (Hex-Lok®)....9
Pigtail Connectors....11
Push-In Connectors (PushGard™)....11
Straight-Sided Connectors (WireGard™)....7
Universal Connectors (Uni-Lok®)....10
Winged Connectors (WingGard®)....8

WireGard™ Color-Coded Screw-On Wire Connectors

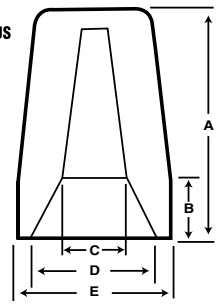
The industry standard twist-on connector with top quality, performance and durability.



- Color-coded for easy size selection.
- Tight, square-wire spring makes quick, secure connections for positive continuity.
- Tough, thermoplastic shell shields against environmental extremes.
- Resists chemical action from hydrocarbons, 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.
- Copper-to-copper connections only.

	Color	Part #	Pkg Qty	Wire Range	Min	Max
GB-1 (71B)		**10-001**	100/box	#22 - #16 AWG *(connections rated at 300 V Max.)*	1 #20 w/1 #22	2 #16
		12-001	25,000/bulk keg			
		12-001BU	150,000/bulk barrel			
		16-001	150/jar			
		19-001	14/card			
		25-001	25/resealable bag			
GB-2 (72B)		**10-002**	100/box	#22 - #16 AWG *(connections rated at 300 V Max.)*	3 #22	3 #16
		12-002	10,000/bulk keg			
		12-002BU	96,000/bulk barrel			
		16-002	150/jar			
		19-002	14/card			
		25-002	25/resealable bag			
GB-3 (73B)		**10-003**	100/box	#22 - #14 AWG *(connections rated at 300 V Max. and 600 V Max.)* [2]	3 #20	4 #16 w/1 #20
		12-003BU	53,000/bulk barrel			
		13-003	500/bag			
		16-003	100/jar			
		16-003M	300/jar			
		17-003	50/bag			
		19-003	12/card			
		25-003	25/resealable bag			
GB-4 (74B)		**10-004**	100/box	#18 - #10 AWG *(connections rated at 300 V Max. and 600 V Max.)* [2]	1 #14 w/1 #18	3 #12
		12-004BU	32,400/bulk barrel			
		13-004	500/bag			
		16-004	200/jar			
		17-004	50/bag			
		19-004	9/card			
		25-004	25/resealable bag			
GB-6 (76B)		**10-006**	100/box	#18 - #10 AWG *(connections rated at 300 V Max. and 600 V Max.)* [2]	2 #14	2 #10 w/2 #12
		12-006BU	21,000/bulk barrel			
		13-006	250/bag			
		16-006	125/jar			
		17-006	50/bag			
		19-006	6/card			
		25-006	25/resealable bag			

c UL us LISTED



Dimensions

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

[2] *Note: Connection rated at 600 V Max. for building wiring and rated at 1000 V Max. in lighting fixtures/luminaries and signs. See carton for detailed wire combination ratings or www.gardnerbender.com.*

Assortments

Part #	Pkg Qty	Description
19-AWC	9/card	2 gray, 2 orange, 3 yellow, 3 red
25-AWC	25/resealable bag	3 gray, 4 blue, 6 orange, 6 yellow, 6 red

Hi-Temp Black Connectors for Tough Environments

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

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



GB-4 GB-3

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

c UL us LISTED

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

WingGard® Color-Coded Twist-On Wire Connectors

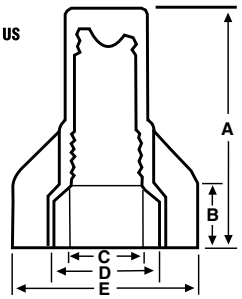
Unsurpassed quality and durability in a high-leverage, easy-on wing-type design.

- Wings are knurled for a 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.
- Copper-to-copper connections only.



	Color	Part #	Pkg Qty	Wire Range	Min	Max
#84™		10-084	100/box	#22 - #10 AWG *(connections rated at 300 V Max. and 600 V Max.)*	2 #22	3 #12
		12-084BU	42,000/bulk barrel			
		13-084	500/bag			
		16-084	100/jar			
		16-084M	225/jar			
		17-084	50/bag			
		19-084	6/card			
		25-084	25/resealable bag			
#86™		10-086	100/box	#22 - #6 AWG *(connections rated at 300 V Max. and 600 V Max.)*	2 #20	4 #10
		12-086BU	22,500/bulk barrel			
		13-086	500/bag			
		16-086	125/jar			
		16-086L	325/jar			
		17-086	50/bag			
		19-086	6/card			
		25-086	25/resealable bag			
#89™		10-089	50/box	#14 - #6 AWG *(connections rated at 300 V Max. and 600 V Max.)*	1 #10 w/1 #12	1 #6 Str w/2 #8 Str
		13-089	100/bag			
		19-089	2/card			
		25-089	10/resealable bag			

c UL us LISTED



Dimensions

	A	B	C	D	E
#84™	1 1/32"	5/16"	7/32"	1/4"	23/32"
#86™	1 1/4"	5/16"	9/32"	7/16"	29/32"
#89™	1 1/2"	7/16"	3/8"	3/4"	1 1/4"

Note: Connection rated at 600 V Max. for building wiring and rated at 1000 V Max. in lighting fixtures/luminaries and signs.
See carton for detailed wire combination ratings or www.gardnerbender.com.

Assortments

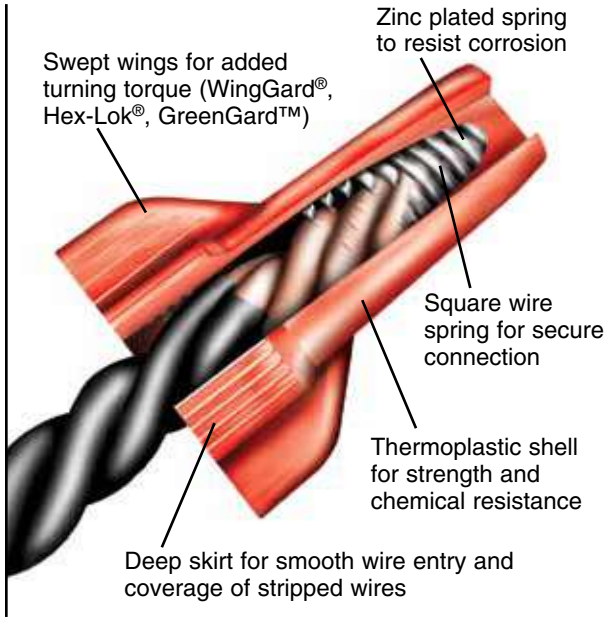
Part #	Pkg Qty	Description
16-8486	100/jar	50 red, 50 yellow
16-8486M	160/jar	80 red, 80 yellow
19-AWW	5/card	2 yellow, 2 red, 1 large gray
25-AWW	25/resealable bag	8 yellow, 8 red, 7 tan, 2 blue

Gardner Bender™ Twist-On Wire Connectors

Engineered to exceed the expectations of professional electricians.

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.*



Hex-Lok® Multi-Range Wire Connectors

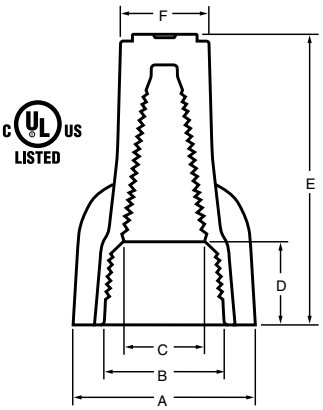
Multi-range, hex-head copper-to-copper connector covers 95% of everyday applications.

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



Patented

	Color	Part #	Pkg Qty	Wire Range	Min	Max
H1		**10-1H1**	100/box	#22 - #8 AWG	3 #22	3 #10
		12-1H1BU	28,000/bulk barrel			
		12-1H1BX	33,000/bulk barrel			
		13-1H1	500/bag			
		16-1H1	175/jar			
		16-1H1L	400/jar			
		17-1H1	50/bag			
		19-1H1	6/card			
		25-1H1	25/resealable bag			
H2		**10-2H2**	50/box	#14 - #6 AWG	3 #14	1 #6 w/1 #8
		12-2H2BU	16,000/bulk barrel			
		13-2H2	250/bag			
		19-2H2	6/card			
		25-2H2	25/resealable bag			



c UL us LISTED

Dimensions

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

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Uni-Lok® Universal Wire Connectors

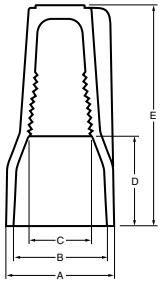


Versatile and cost-effective, Uni-Lok® connectors are designed to accept a wide range of wire combinations.

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

	Color	Part #	Pkg Qty	Wire Range	Min	Max
G1		**10-1G1**	100/box	#22 - #12 AWG	4 #22	3 #12
		12-1G1BU	40,000/bulk barrel			
		13-1G1	500/bag			
		19-1G1	6/card			
		25-1G1	25/resealable bag			
G2		**10-2G2**	100/box	#22 - #10 AWG	3 #20	5 #12
		13-2G2	500/bag			
		19-2G2	6/card			
		25-2G2	25/resealable bag			

c UL us LISTED



Dimensions

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

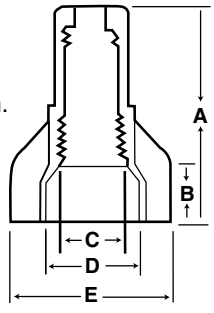
GreenGard™ Grounding Wire Connectors

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

- Easier to use — New design enables torque-up with improved grip.
- Contoured, offset wings enable firm ground connections.
- Flame retardant, thermoplastic shell resists punctures, cuts, abrasion and corrosion.
- Connectors have a hole in the tip for ground wire.
- Solid copper-to-copper connections only.

	Color	Part #	Pkg Qty	Wire Range	Min	Max
#95™		**10-095**	100/box	#14 - #10 AWG *(connections rated at 600 V Max.)*	2 #14	4 #12
		13-095	500/bag			
		16-095	125/jar			
		19-095	6/card			
		25-095	25/resealable bag			

c UL us LISTED



Dimensions

	A	B	C	D	E
#95™	1 1/4"	5/16"	9/32"	7/16"	29/32"

GB Gardner Bender **INNOVATION**

PushGard™ Push-in Wire Connectors



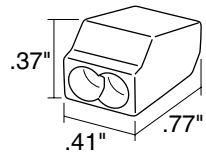
Easy and fast to use, just strip and push conductors into PushGard™ connectors to make reliable, secure connections.

- Simplified insertion and compact size helps in tight locations.
- 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.
- Available in 2-,3-,4 and 8-port configurations.
- Rated at 600 V Max. in building wire and at 1000 V Max. in lighting fixtures/luminaries.
- Copper-to-copper connections only.

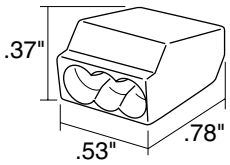
c UL us LISTED

	Color	Ports	Part #	Pkg Qty	Wire Range
PC2		2	**10-PC2** **19-PC2**	100/box 10/clam	#22 - #12 AWG Solid *(connections rated at 600 V Max.)*
PC3		3	**10-PC3** **19-PC3**	100/box 10/clam	#22 - #12 AWG Solid *(connections rated at 600 V Max.)*
PC4		4	**10-PC4** **19-PC4**	100/box 10/clam	#22 - #12 AWG Solid *(connections rated at 600 V Max.)*
PC8		8	**10-PC8** **19-PC8**	50/box 10/clam	#22 - #12 AWG Solid *(connections rated at 600 V Max.)*

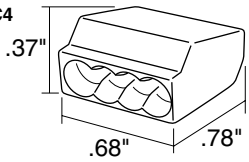
PC2



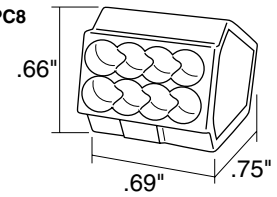
PC3



PC4



PC8



Nylon Pigtail Connectors



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

- Vibration resistant.
- Tin-plated seamless copper.
- Corrosion and chemical resistant.

Part #	Pkg Qty	Wire Range	Min	Max
20-089	10/clam	#22 - #14 AWG	2 #22	1 #14 w/1 #18
15-090	15/clam	#22 - #10 AWG	3 #18	1 #10 w/1 #20
20-090	10/clam	#22 - #10 AWG	3 #18	1 #10 w/1 #20

c UL us

CSA

Crimp Connectors

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

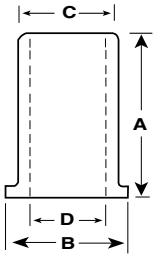
- Two styles and sizes available.
- Copper or zinc-plated steel.



Copper

Part #	Model	Pkg Qty	Wire Range	Min	Max
10-310C	310	100/clam	#18 - #10 AWG	2 #16	2 #10 w/1 #12
10-311C	311	50/clam	#14 - #8 AWG	3 #12	4 #10

c UL us LISTED



Zinc-plated Steel

Part #	Model	Pkg Qty	Wire Range	Min	Max
10-410	410	100/box	#18 - #10 AWG	2 #16	2 #10 w/1 #12
10-410C	410	100/clam			
13-410	410	500/bag			
20-410	410	12/clam			
10-411	411	50/box	#14 - #8 AWG	3 #12	4 #10
10-411C	411	50/clam			
20-411	411	8/clam			

Dimensions

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

Copper Split Bolt Connectors

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 #	Pkg Qty	Wire Gauge
GSBC-8	2/clam	#16 - #10 AWG Stranded, #16 - #8 AWG Solid
GSBC-6	2/clam	#10 AWG Stranded, #10 - #8 AWG Solid
GSBC-4	2/clam	#8 - #4 AWG Solid
GSBC-2	2/clam	#6 - #2 AWG Solid

Part #	Pkg Qty	Wire Gauge
GSBC-1/0	1/clam	#4 - #0 AWG Solid
GSBC-2/0	1/clam	#2 - #00 AWG Solid
GSBC-3/0	1/clam	#2 - #000 AWG Solid

Aluminum Split Bolt Connectors

Constructed of high-strength aluminum with oxide-displacing jaws to prevent galvanic corrosion.

- Accept 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 #	Pkg Qty	Wire Gauge
GAK-2	1/clam	#8 - #2 AWG Solid
GAK-1/0	1/clam	#8 - #0 AWG Solid
GAK-2/0	1/clam	#10 AWG Stranded, #10 - #00 AWG Solid
GAK-4/0	1/clam	#6 - #0000 AWG Solid

Aluminum Mechanical Lugs



- Feature high-strength, low-resistance aluminum construction.
- Accepts conductors from 14 AWG - 2/0 AWG.
- For 3/8" stud.
- Use GB® OX-GARD™ anti-oxidant treatment on Al-Al and Al-Cu to prevent corrosion and permit cooler connections.

1 Conductor

Part #	Pkg Qty	Wire Gauge
GTA-2	2/clam	#14 - #10 AWG Stranded, #14 - #2 AWG Solid
GTA-2/0	2/clam	#14 - #10 AWG Stranded, #14 - #00 AWG Solid

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.
- For 3/8" stud.

Part #	Pkg Qty	Wire Gauge
GSLU-25	2/clam	#14 - #10 AWG Stranded
GSLU-35	2/clam	#14 - #10 AWG Stranded, #14 - #6 AWG Solid

Part #	Pkg Qty	Wire Gauge
GSLU-70	2/clam	#8 - #2 AWG Solid
GSLU-125	2/clam	#6 - #0 AWG Solid

Aluminum Splicer-Reducers



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 #	Pkg Qty	Wire Gauge
GSPA-2	2/clam	#14 - #10 AWG Stranded, #14 - #2 AWG Solid
GSPA-0	1/clam	#14 - #10 AWG Stranded, #14 - #0 AWG Solid
GSPA-4/0	1/clam	#6 - #0000 AWG Solid

SEE PG 14



FOR MORE INFO ON Ox-Gard™

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.

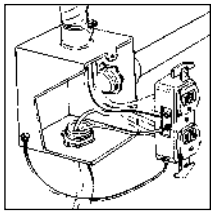


Part #	Pkg Qty	Wire Gauge	Stud Size
AML-200	2/clam	#6 AWG	1/4"
AML-201	2/clam	#6 AWG	5/16"
AML-202	2/clam	#6 AWG	3/8"
AML-203	2/clam	#4 AWG	5/16"
AML-204	2/clam	#4 AWG	3/8"

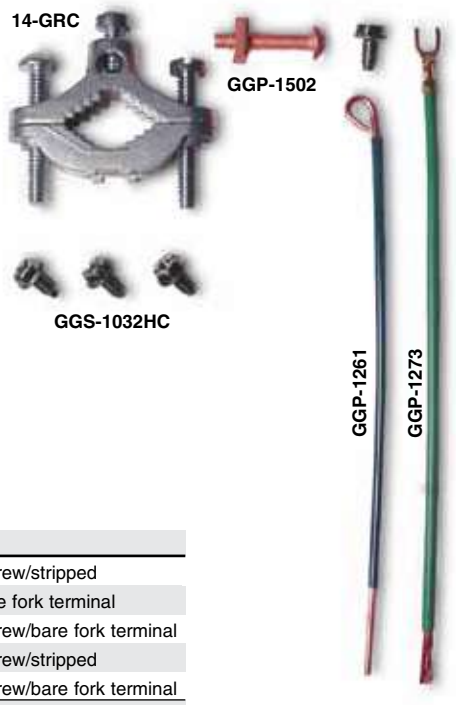
Part #	Pkg Qty	Wire Gauge	Stud Size
AML-205	2/clam	#2 AWG	5/16"
AML-206	2/clam	#2 AWG	3/8"
AML-207	2/clam	#1/0 AWG	3/8"
AML-208	2/clam	#2/0 AWG	3/8"

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.
- Hex-head grounding screws secure ground wires to circuit box.
- Grounding clamps listed for direct burial and connection of ground wire to ground rod.



SEE PG 10



FOR MORE INFO ON Grounding Wire Connector

Part #	Pkg Qty	Description	Length	Ends
GGP-1261	25/bag	Grounding Pigtail; #12 AWG Solid	6½"	Captured screw/stripped
GGP-1273	25/bag	Grounding Pigtail; #12 AWG Str	7"	Stripped/bare fork terminal
GGP-1282	25/bag	Grounding Pigtail; #12 AWG Str	8"	Captured screw/bare fork terminal
GGP-1461	25/bag	Grounding Pigtail; #14 AWG Solid	6½"	Captured screw/stripped
GGP-1502	2/card	Grounding Pigtail; #12 AWG Solid	8"	Captured screw/bare fork terminal
14-GRC	1/card	Grounding Clamp for ½" - 1" pipe		
GGC-1508	8/card	Grounding Clip for Aluminum or Copper; Grounding wire; Zinc plated		
GGS-1032HC	100/clam	Hex-Head Ground Screw		
GGS-1512R	12/card	Green Round Washer Head Screw for Switch and Outlet Boxes		

Ox-Gard™ Anti-Oxidant Compound

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

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



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



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.



page 17



page 20



page 22



page 23

Alligator Clips....23
Battery Charging Clips, Clamps....23
Bullet Splices....19
Butt Splices & Kits....19,20,21
Disconnects....19
GB Xtreme® Terminals....17
Ring Terminals....17,18
Spade Terminals....17,18
Terminal Adapters....20
Terminal Kits....21
Tap Splices....20
Underground UF Splice Kit....22
Wire....23

GB Gardner Bender **INNOVATION**

GB Xtreme® 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: 221 °F (105 °C).

Ring Terminals c UL us LISTED

22-18 Gauge



Part #	Pkg Qty	Stud Size
AMT-100	3/clam	8 to 10
AMT-4100	6/clam	8 to 10
AMT-5102	4/clam	10

16-14 Gauge



Part #	Pkg Qty	Stud Size
AMT-103	3/clam	8 to 10
AMT-4103	6/clam	8 to 10
AMT-5104	4/clam	10

12-10 Gauge



Part #	Pkg Qty	Stud Size
AMT-106	3/clam	8 to 10
AMT-108	3/clam	1/4"
AMT-4106	5/clam	8 to 10
AMT-5106	3/clam	10

Spade Terminals c UL us LISTED

22-18 Gauge



Part #	Pkg Qty	Stud Size
AMT-110	3/clam	8 to 10
AMT-4110	16/clam	8 to 10

16-14 Gauge



Part #	Pkg Qty	Stud Size
AMT-113	3/clam	8 to 10
AMT-4113	6/clam	8 to 10

12-10 Gauge



Part #	Pkg Qty	Stud Size
AMT-116	3/clam	8 to 10
AMT-4116	5/clam	8 to 10

Butt Splices c UL us LISTED

22-18 Gauge



Part #	Pkg Qty
AMT-120	3/clam
AMT-121	25/clam
AMT-4120	8/clam
AMT-5121	5/clam

16-14 Gauge



Part #	Pkg Qty
AMT-123	3/clam
AMT-124	25/clam
AMT-4123	7/clam
AMT-5123	5/clam

12-10 Gauge



Part #	Pkg Qty
AMT-126	3/clam
AMT-127	25/clam
AMT-4126	3/clam
AMT-5126	4/clam

Assortment



Part #	Pkg Qty	Description
GBX-TK	24/card	22-10 AWG assorted butt splices

NEW Heat Shrink Gun

- Use with heat shrink tubing or terminals.
- Refillable butane can included.

Part #	Pkg Qty
MSTR-TORCH	1/clam



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 (p.17-19)

SEE PG 122 FOR MORE INFO ON Crimp Tools

Spade Terminals - Vinyl-Insulated Barrel

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

c UL us LISTED

22-18 Gauge	Part #	Pkg Qty	Stud Size
	10-111	100/clam	4 to 6
	10-112	100/clam	8 to 10
	20-111	20/clam	4 to 6
	20-112	20/clam	8 to 10
	21-111	10/clam	4 to 6
	21-112	7/clam	8 to 10
	75-111	75/clam	4 to 6

16-14 Gauge	Part #	Pkg Qty	Stud Size
	10-113	100/clam	4 to 6
	10-114	100/clam	8 to 10
	15-114	15/clam	8 to 10
	20-113	20/clam	4 to 6
	20-114	20/clam	8 to 10
	21-113	10/clam	4 to 6
	21-114	10/clam	8 to 10
	75-113	75/clam	8 to 10

12-10 Gauge	Part #	Pkg Qty	Stud Size
	10-116	50/clam	8 to 10
	15-116	15/clam	8 to 10
	21-116	8/clam	8 to 10
	75-116	5/clam	8 to 10

Ring Terminals - Non-Insulated

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

c UL us LISTED

16-14 Gauge	Part #	Pkg Qty	Stud Size
	10-204	100/bag	8 to 10

12-10 Gauge	Part #	Pkg Qty	Stud Size
	10-206	100/bag	8 to 10

Ring Terminals - Vinyl-Insulated Barrel

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

c UL us LISTED

22-18 Gauge	Part #	Pkg Qty	Stud Size
	20-101	22/clam	4 to 6
	20-102	22/clam	8 to 10
	21-101	10/clam	4 to 6
	21-102	10/clam	8 to 10

16-14 Gauge	Part #	Pkg Qty	Stud Size
	10-103	100/clam	4 to 6
	10-104	100/clam	8 to 10
	10-105	100/clam	12 to 1/4"
	15-104	15/clam	8 to 10
	15-105	15/clam	12 to 1/4"
	20-103	22/clam	4 to 6
	20-104	22/clam	8 to 10
	20-105	17/clam	12 to 1/4"
	21-103	10/clam	4 to 6
	21-104	10/clam	8 to 10
	21-105	7/clam	12 to 1/4"
	21-1055	7/clam	5/16" to 3/8"
	75-104	75/clam	8 to 10

12-10 Gauge	Part #	Pkg Qty	Stud Size
	10-106	50/clam	8 to 10
	10-107	50/clam	12 to 1/4"
	10-108	50/clam	1/4" to 3/8"
	15-106	15/clam	8 to 10
	15-107	15/clam	12 to 1/4"
	15-108	15/clam	5/16" to 3/8"
	20-106	14/clam	8 to 10
	20-107	14/clam	12 to 1/4"
	20-108	13/clam	1/4" to 3/8"
	21-106	8/clam	8 to 10
	21-107	7/clam	12 to 1/4"
	21-108	7/clam	5/16" to 3/8"
	21-109	7/clam	7/16" to 1/2"
	75-106	50/clam	8 to 10

6 Gauge	Part #	Pkg Qty	Stud Size
	14-095	4/card	1/4"
	14-097	4/card	1/2"
	15-096	4/card	3/8"

4 Gauge	Part #	Pkg Qty	Stud Size
	14-099	4/card	1/2"
	15-098	4/card	3/8"

Disconnects - Non-Insulated

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

c UL us LISTED

16-14 Gauge	Part #	Pkg Qty	Tab	Type
	**10-243F**	100/bag	0.250"	Female

12-10 Gauge	Part #	Pkg Qty	Tab	Type
	**10-245F**	100/bag	0.250"	Female

Disconnects - Vinyl-Insulated Barrel

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

c UL us LISTED

22-16 Gauge	Part #	Pkg Qty	Tab	Type
	**10-141F**	100/clam	0.250"	Female
	10-141M	100/clam	0.250"	Male
	20-141F	21/clam	0.250"	Female
	20-141M	18/clam	0.250"	Male
	21-141F	10/clam	0.250"	Female
	21-141M	10/clam	0.250"	Male
	21-146F	10/clam	0.187"	Female
	21-146M	10/clam	0.187"	Male

16-14 Gauge	Part #	Pkg Qty	Tab	Type
	**10-143F**	100/clam	0.250"	Female
	10-143M	100/clam	0.250"	Male
	15-143F	15/clam	0.250"	Female
	15-143M	14/clam	0.250"	Male
	20-143F	20/clam	0.250"	Female
	20-143M	18/clam	0.250"	Male
	21-143F	10/clam	0.250"	Female
	21-143M	10/clam	0.250"	Male
	75-143F	75/clam	0.250"	Female

12-10 Gauge	Part #	Pkg Qty	Tab	Type
	**10-145F**	100/clam	0.250"	Female
	10-145M	100/clam	0.250"	Male
	15-145F	15/clam	0.250"	Female
	20-145F	16/clam	0.250"	Female
	20-145M	16/clam	0.250"	Male
	21-145F	8/clam	0.250"	Female
	21-145M	8/clam	0.250"	Male
	75-145F	50/clam	0.250"	Female

Disconnects - Fully-Insulated

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

c UL us LISTED

22-18 Gauge	Part #	Pkg Qty	Tab	Type
	**10-151F**	100/clam	0.250"	Female
	15-151F	15/clam	0.250"	Female
	15-151M	15/clam	0.250"	Male
	20-151P	20/clam	0.250"	F/M Pairs
	21-151F	6/clam	0.250"	Female
	21-151M	6/clam	0.250"	Male

16-14 Gauge	Part #	Pkg Qty	Tab	Type
	**10-153F**	100/clam	0.250"	Female
	10-153M	80/clam	0.250"	Female
	10-153P	100/clam	0.250"	F/M Pairs
	15-153F	15/clam	0.250"	Female
	15-153M	15/clam	0.250"	Male
	20-153F	20/clam	0.250"	Female
	20-153P	20/clam	0.250"	F/M Pairs
	21-153F	6/clam	0.250"	Female
	21-153M	6/clam	0.250"	Male

12-10 Gauge	Part #	Pkg Qty	Tab	Type
	**10-155F**	50/clam	0.250"	Female
	21-155F	4/clam	0.250"	Female
	21-155M	4/clam	0.250"	Male

22-10 Gauge	Part #	Pkg Qty	Tab	Type
	**15-152P**	12/clam	0.250"	F/M Pairs

Bullet Splice - Fully Insulated

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

c UL us LISTED

22-18 Gauge	Part #	Pkg Qty	Tab	Type
	**20-161P**	10/clam	0.156"	F/M Pairs
	21-161F	6/clam	0.156"	Female
	21-161M	6/clam	0.156"	Male

16-14 Gauge	Part #	Pkg Qty	Tab	Type
	**20-163F**	20/clam	0.156"	Female
	20-163M	20/clam	0.156"	Male
	20-163P	20/clam	0.156"	F/M Pairs
	21-163F	6/clam	0.156"	Female
	21-163M	10/clam	0.156"	Male

USA 800.624.4320 | fax 800.799.3779 | www.gardnerbender.com
CANADA 905.564.5749 | fax 905.564.0305

Butt Splices

c UL us LISTED

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

22-18 Gauge	Part #	Pkg Qty
	**10-121**	100/clam
	15-121	15/clam
	20-121	22/clam
	21-121	10/clam
	75-121	75/clam

16-14 Gauge	Part #	Pkg Qty
	**10-123**	100/clam
	15-123	15/clam
	20-123	21/clam
	21-123	10/clam
	75-123	75/clam

12-10 Gauge	Part #	Pkg Qty
	**10-126**	50/clam
	15-126	15/clam
	20-126	15/clam
	21-126	8/clam
	75-126	50/clam

Tap Splices

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

22-18 Gauge	Part #	Pkg Qty
	**15-2218**	5/clam
	20-2218	5/clam[12]
	21-2218	5/clam[13]

16-14 Gauge	Part #	Pkg Qty
	**10-100**	25/clam
	20-100	5/clam[12]
	21-100	5/clam[13]

12-10 Gauge	Part #	Pkg Qty
	**20-1210**	4/clam[12]

[12]10 clams/master [13]5 clams/master

Terminal Blocks

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

Part #	No. of Poles	Pkg Qty
GTB-406	6	1/clam
GTB-408	8	1/clam
GTB-410	10	1/clam


GTB-406


GTB-408


GTB-410

Terminal Adapters

Part #	Pkg Qty	Gauge	Type
10-283F	100/bag	16-14 AWG	Female
10-285F	100/bag	12-10 AWG	Female



Terminal and Connector Kits and Assortments

- Large selection of popular terminals and connectors.
- Assorted wire ranges, terminal and connector types.

SEE PG 122 FOR MORE INFO ON Crimp Tools

Part #	Pkg Qty	Description
10-170	100/clam	Ring and spade terminals, disconnects and butt splices, 22-14 AWG
15-120	15/clam	Fully insulated butt splice assortment, 22-10 AWG
15-2210	10/clam	Tap splice assortment, 22-10 AWG
15-2214	14/clam	Ring terminal assortment, 4-6 stud, 22-14 AWG
15-2216	14/clam	Spade terminal assortment, 8-10 stud, 22-14 AWG
CK-315	315/reusable case	WireGard™ and WingGard® connector kit, 22-6 AWG
CK-570	570/kit	WireGard™ and WingGard® connector kit, 22-6 AWG
GS-67K	25/clam	Stripper and crimper tool with ring and spade terminals, butt splices, female disconnects, 22-14 AWG
TK-32	32/card	WireGard™ and nylon pigtail connectors, 22-10 AWG
TK-40	40/card	Ring and spade terminals, butt splices, female disconnects, 22-10 AWG
TK-100	80/reusable case	WireGard™ connectors, ring and spade terminals, butt and tap splices, female disconnects, 22-10 AWG
TK-175	175/reusable case	Ring and spade terminals, butt splices, male and female disconnects, 22-10 AWG
TK-500	500/card	WireGard™ and nylon pigtail connectors, ring and spade terminals, butt and tap splices, male and female disconnects, 22-10 AWG
TK-806	100/case	Ring and spade terminals, butt splices, male and female disconnects, 22-10 AWG
TK-1210	28/card	Ring and spade terminals, butt splices, male and female disconnects, 12-10 AWG
TK-1614	48/card	Ring and spade terminals, butt splices, male and female disconnects, 16-14 AWG
TK-1822	46/card	Ring and spade terminals, butt splices, male and female disconnects, 22-18 AWG
TK-QC	18/clam	Tap splice kit, 22-10 AWG



CK-315



15-120



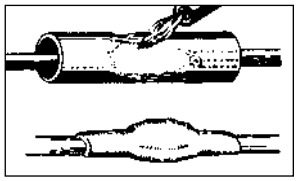
TK-806

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 V max.



Part #	Pkg Qty	Description
HST-1300	1 kit	Underground UF Splice Kit

Kit Contains:

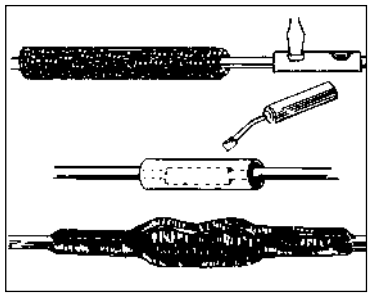
Qty	Description
4	Screw Splice Connectors
1	8" Heavy-Wall Polyolefin Heat-Shrink Tubing with Watertight Adhesive Liner

Butt Splice Kit (#8 - #2 AWG)



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

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



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

Kit Contains:

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

Butt Splice Kit (#14 - #8 AWG)



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

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

Part #	Pkg Qty	Description
HST-WP	1 kit	Butt Splice Connector Kit

Kit Contains:

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

SEE PG 165 FOR MORE INFO ON Heat Shrink Products

Battery Charging Clips

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

- Available in versatile sizes.



Part #	Pkg Qty	Description
14-505	4/card	5 Amp
14-510	4/card	10 Amp
14-520	2/card	20 Amp

Part #	Pkg Qty	Description
14-530	2/card	30 Amp
14-550	1/card	50 Amp

Insulated Battery Clamps

For battery, battery charger and testing equipment applications.

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



Part #	Pkg Qty	Description
14-610	2/card (1 red & 1 black)	10 Amp Copper Clad
14-630	2/card (1 red & 1 black)	30 Amp Copper Clad

Alligator Clips

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

- Available with insulating sleeve.

14-076



14-078



14-077



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

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 V and 105 °C (221 °F) maximum.

	Part #	Pkg Qty	Wire Gauge	Length
	**AMW-312**	1/clam	12 AWG	12 FT
	AMW-314	1/clam	14 AWG	18 FT
	AMW-316	1/clam	16 AWG	25 FT
	AMW-318	1/clam	18 AWG	35 FT
	**AMW-322**	1/clam	12 AWG	12 FT
	AMW-324	1/clam	14 AWG	18 FT
	AMW-326	1/clam	16 AWG	25 FT
	AMW-328	1/clam	18 AWG	35

	Part #	Pkg Qty	Wire Gauge	Length
	**AMW-332**	1/clam	12 AWG	12 FT
	AMW-334	1/clam	14 AWG	18 FT
	AMW-336	1/clam	16 AWG	25 FT
	AMW-338	1/clam	18 AWG	35 FT

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.



page 30



page 28



page 30



page 31

Door Switch 32
Pull-Chain Switches 30,31
Push-Button Switches 29,30
Rocker Switches 31
Rotary Switches 32
Toggle Switches 28,29
Toggle Switch Cover 29

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.

Toggle Switches

Versatile toggle switch family with multiple position configurations.

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

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-110	GSW-121
Poles	SPST			
Pkg Qty	1/card	1/card	1/card	1/card
Toggle Position	ON-OFF	ON-OFF	ON-OFF	ON-OFF
Terminal Type	Screw	Screw	"O" Ring & Screw	Spade
Rating	1½ HP 125-250 V AC	¾ HP 125-250 V AC	¾ HP 125-250 V AC	¾ HP 125-250 V AC

**GSW-11 has an ON-OFF faceplate.*






Part Number	GSW-12	GSW-13	GSW-120	GSW-117
Poles	SPDT			
Pkg Qty	1/card	1/card	1/card	1/card
Toggle Position	ON-ON	ON-OFF-ON	ON-OFF-ON	(ON)-OFF-(ON)
Terminal Type	Screw	Screw	Spade	Screw
Rating	¾ HP 125-250 V AC	¾ HP 125-250 V AC	¾ HP 125-250 V AC	¾ HP 125-250 V AC

( ) Indicates momentary action






Part Number	GSW-14	GSW-15	GSW-16	GSW-123
Poles	DPST		DPDT	
Pkg Qty	1/card	1/card	1/card	1/card
Toggle Position	ON-OFF	ON-ON	ON-OFF-ON	(ON)-OFF-(ON)
Terminal Type	Screw	Screw	Screw	Screw
Rating	1½ HP 125-250 V AC	1½ HP 125-250 V AC	1½ HP 125-250 V AC	1½ HP 125-250 V AC

( ) Indicates momentary action







Part Number	GSW-17*	GSW-18*	GSW-124	GSW-125	GSW-125BP
Poles	SPST				
Pkg Qty	1/card	1/card	1/card	1/card	10/box
Toggle Position	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF
Terminal Type	Screw	6" wire leads	screw	6" wire leads	6" wire leads
Actuator	bat lever	bat lever	short ball	short ball	short ball
Rating	3 A/240 V AC, 6 A/120 V AC	8 A/125 V, 4 A/250 V, 1/3 HP/125 V AC, 10 A/125 V AC	3 A/240 V AC, 6 A/120 V AC	3 A/250 V, 6 A/125 V	3 A/250 V, 6 A/125 V

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

Toggle Switch Cover



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

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

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

Double Insulated, Plastic Toggle Switches

Double insulated for moisture protection in all environments.

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

Part Number	GSW-19	GSW-114
		
Poles	**SPST**	**SPDT**
Pkg Qty	1/card	1/card
Toggle Position	ON-OFF	(ON)-OFF-(ON)
Terminal Type	Screw	Spade

Momentary Contact Push-Button Switches

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

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

Part Number	GSW-22	GSW-23
		
Poles	**SPST**	
Pkg Qty	1/card	1/card
Toggle Position	OFF (ON)	ON (OFF)
Terminal Type	screw	screw
Plating	Black	Red
Rating	6 A/120 V AC, 3 A/240 V AC	3 A/120 V AC, 1.5 A/277 V AC

( ) Indicates momentary action

Maintained Contact 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.

Part #	Pkg Qty	Poles	Toggle Position	Terminal Type	Rated
GSW-21	1/card	SPST	Push ON-Push OFF	Wire Leads	10 A/125 V AC, 8 A/125 V, 4 A/250 V, 1/3 HP 125 V AC

Maintained Contact 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.
- **Specifications:** 1 A, 125 VT / 6 A, 125 VL / 6 A, 125 V AC / 3 A, 250 V AC

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





Part Number	GSW-24	GSW-24BP	GSW-25
Poles	SPST		
Pkg Qty	1/card	10/box	1/card
Toggle Position	ON-OFF	ON-OFF	ON-OFF
Terminal Type	6" wire leads	6" wire leads	6" wire leads
Plating	Nickel	Nickel	Brass
Circuit	2 pos. 2 wire	2 pos. 2 wire	2 pos. 2 wire

Single Circuit Pull-Chain Switches

Basic ON-OFF switch family with pull-chain feature.

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

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







Part Number	GSW-31	GSW-31BP	GSW-32	GSW-32BP	GSW-35*
Poles	SPST				
Pkg Qty	1/card	10/box	1/card	10/box	1/card
Toggle Position	ON-OFF	ON-OFF	ON-OFF	ON-OFF	ON-OFF
Terminal Type	6" wire leads	6" wire leads	6" wire leads	6" wire leads	wire leads
Plating	Nickel	Nickel	Brass	Brass	Nickel
Circuit	2 Pos. 2 Wire	2 Pos. 2 Wire	2 Pos. 2 Wire	2 Pos. 2 Wire	2 Pos. 2 Wire

**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.
- **Specifications:** 6 A/125 V AC, 3 A/250 V AC, 6 A/125 VL

Part Number	GSW-33	GSW-34	GSW-39
			
Poles	**SPDT**	**SP3T**	**DP3T**
Pkg Qty	1/card	10/box	1/card
Toggle Position	OFF-ON-ON	OFF-ON-ON-ON	OFF-ON(A)-ON(B) -ON(A+B)
Terminal Type	wire leads	wire leads	6" wire leads
Plating	Brass	Brass	Brass
Circuit	3 Pos. 3 Wire	4 Pos. 4 Wire	4 Pos. 3 Wire

Standard Rocker Switches

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

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

Part Number	GSW-45	GSW-49*
		
Poles	**SPST**	
Pkg Qty	1/card	1/card
Toggle Position	ON-OFF	ON-OFF
Terminal Type	spade	spade
Rating	¾ HP 125 - 250 V AC	¾ HP 125 - 250 V AC

**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.
- **Specifications:** 16 A/125 V AC, 8 A/250 V AC

Part Number	GSW-41	GSW-42*
		
Poles	**SPST**	
Pkg Qty	1/card	1/card
Toggle Position	ON-OFF	ON-OFF
Terminal Type	spade	spade

**Red lighted*

Mini Rocker Switch

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

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



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

**Red lighted*

Rotary Switches

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

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

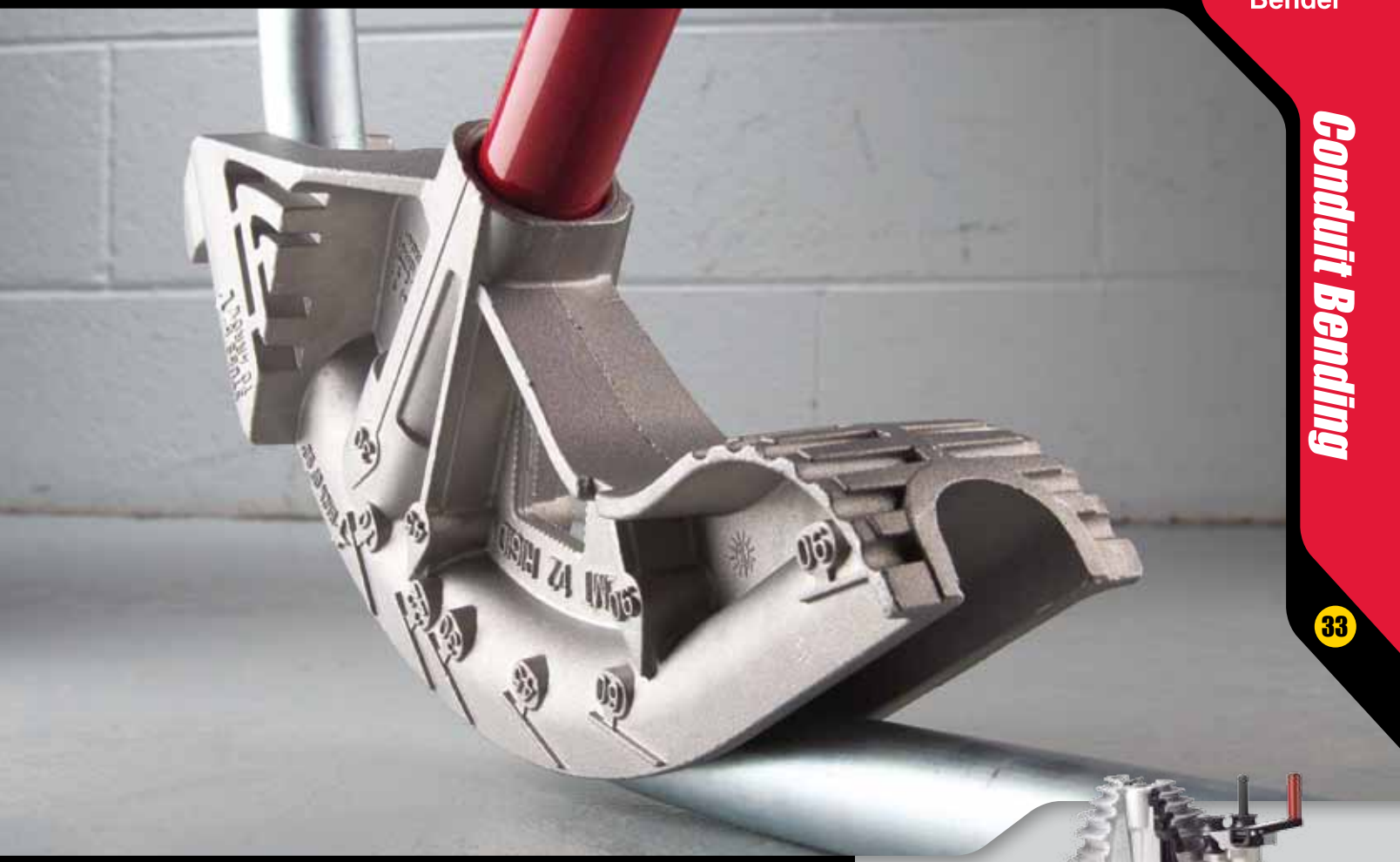
						
Part Number	**GSW-61**	**GSW-63B**	**GSW-69**	**GSW-69BP**	**GSW-62**	**GSW-68**
Poles	**SPST**				**DP3T**	**SPTT**
Pkg Qty	1/card	1/card	1/card	10/box	1/card	1/card
Toggle Position	ON-OFF	ON-OFF	ON-OFF	ON-OFF	OFF-ON(P)-ON(N) -ON(N+P)	OFF-ON(P)-ON(N) -ON(N+P)
Plating / Color	Brass	Black Button	Black Plastic	Black Plastic	Brass	Brass
Rating	6 A/125 V AC, 3 A/250 V AC	1.5 A/250 V AC	6 A/125 V AC, 3 A/250 V AC	6 A/125 V AC, 3 A/250 V AC	6 A/125 V AC, 3 A/250 V AC	6 A/125 V AC, 3 A/250 V AC
Mounting Hole	.406"	.513"	.513"	.513"	.406"	.513"

Door Switch

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

- Mounts in door jam.
- Fits in 1.25" X 2.75" X 2.0" deep approximate mounting hole.
- **Specifications:** 16 A/125 V AC, 10 A/250 V AC, 10 A/277 V AC, ½ HP 125 - 277 V AC.

		
Part Number	**GSW-SK**	**GSW-26**
Poles	**SPST**	
Pkg Qty	1/card	1/card
Toggle Position	Normally ON -Mom Contact	Normally ON -Mom Contact
Description	AC/DC Door Switch	Replacement for GSW-SK

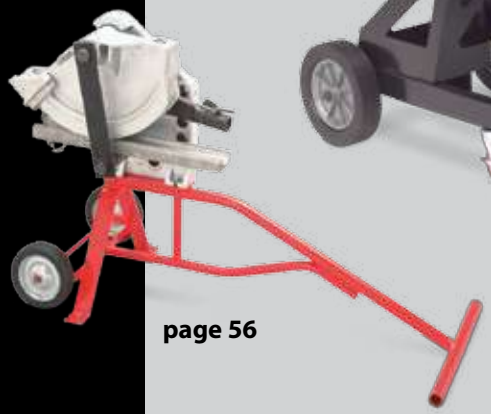


Conduit Bending

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.



page 36



page 56



page 58



page 63

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Guide to Bending Booklet 64
Benders – Aluminum Rigid Conduit
Cyclone® Electric Bender (B2000).....36
Gardner™ EMT Hand Benders.....59
One-Shot Hydraulic Benders 42-48
Sidewinder® Electric Bender (B2555).....37
Sidewinder™ Mechanical Benders..... 54-57
Sweep/Segmental Benders.....46, 48
Ultra Eegor™ Hydraulic Bender 40
Benders – EMT Conduit
Big Ben® Hand Benders 58
Cyclone® Electric Bender (B2000).....36
Gardner™ EMT Hand Benders.....59
Iron Hand Benders 60
Sidewinder® Electric Bender (B2555).....37
Sidewinder™ Mechanical Benders..... 54-57
Ultra Eegor™ Hydraulic Bender 40
Benders – IMC Conduit
Cyclone® Electric Bender (B2000).....36
Sidewinder® Electric Bender (B2555).....37
Sidewinder™ Mechanical Benders..... 54-57
Ultra Eegor™ Hydraulic Bender 40
Benders – PVC Conduit
HotBlanket™ Benders 63
HotBox™ Benders..... 62-63
HotTube™ Bender.....61
Benders – PVC-Coated Rigid Conduit
Cyclone® Electric Bender (B2000).....36
Sidewinder® Electric Bender (B2555).....37
Sidewinder™ Mechanical Benders... 54, 56-57
Benders – Rigid Steel Conduit
Rigid Bender Capacities Chart 39
Big Ben® Hand Benders 58
Cyclone® Electric Bender (B2000).....36
Gardner™ EMT Hand Benders.....59
Iron Hand Benders 60
One-Shot Hydraulic Benders 42-48
Sidewinder® Electric Bender (B2555).....37
Sidewinder™ Mechanical Benders..... 54-57
Sweep/Segmental Hydraulic Benders....46, 48
Ultra Eegor™ Hydraulic Bender 40
Bender Shoe Groups
Sidewinder® Electric Bender (B2555) - IMC.....38
Sidewinder® Electric Bender (B2555) - Rigid.....37
Sidewinder® Electric Bender (B2555) - EMT 38
Sidewinder® Electric Bender (B2555) - PVC-Coated 38
Hand Benders
Big Ben® Hand Benders 58
Gardner™ Thinwall Hand Benders.....59
Iron Hand Benders 60
Handles.....61
Hickey Bending Heads.....61
Hydraulic Bender Accessories 52
Hydraulic Cylinder Specifications.....53
PVC Plug Sets.....63
Pumps
Economy Electric.....50
Manual Hydraulic.....51
Submerged Electric 50
Z-Class™ Electric.....49
Table (Bend-Mate™ Bender Table for Ultra Eegor™).....41
Storage Cases (Tool-Guard™) 64

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	36	✗	✗	✗	✗	✗	✗					
B2555 Sidewinder® Bender & BRIG-52	37	✗	✗	✗	✗	✗	✗					
B2555 Sidewinder® Bender & BEMT-52	37	✗	✗	✗	✗	✗	✗					
B2555 Sidewinder® Bender & IMC-52	37	✗	✗	✗	✗	✗	✗					
B2555 Sidewinder® Bender & BPVC-152	37	✗	✗	✗	✗	✗	✗					
B400L & DL Ultra Eegor™	40							✗	✗	✗	✗	
BW Series - Mechanical Sidewinder™ Bender (EMT)	56-57	✗	✗	✗	✗	✗	✗					
BW Series - Mechanical Sidewinder™ Bender (IMC)	55-57	✗	✗	✗	✗	✗						
BW Series - Mechanical Sidewinder™ Bender (Rigid)	55-57	✗	✗	✗	✗	✗						
Rigid Conduit Bending	**Page #**	**½"**	**¾"**	**1"**	**1¼"**	**1½"**	**2"**	**2½"**	**3"**	**3½"**	**4"**	**5"**
B2000 Cyclone® Bender	36	✗	✗	✗	✗	✗	✗					
B2555 Sidewinder® Bender & BRIG-52	37	✗	✗	✗	✗	✗	✗					
B400L & DL Ultra Eegor™	40							✗	✗	✗	✗	
B316S One-Shot Bender	42	✗	✗	✗	✗	✗	✗					
B308S Combination One-Shot/Sweep Bender	43			✗	✗	✗	✗	✗	✗	✗	✗	
B340S One-Shot Bender	44				✗	✗	✗	✗	✗	✗	✗	
B359S Combination One-Shot/Sweep Bender	45				✗	✗	✗	✗	✗	✗	✗	✗
B306S Sweep/Segmental Bender	46				✗	✗	✗	✗	✗	✗	✗	
B343S One-Shot Eject-O-Matic® Bender	47				✗	✗	✗	✗	✗	✗	✗	
B351S Combination Eject-O-Matic® Bender	48				✗	✗	✗	✗	✗	✗	✗	✗
Mechanical Sidewinder™ Bender BW11,12,15, 20,30, 27	54-57	✗	✗	✗	✗	✗						
Hand Benders - Gardner™ Bender	59	931B	932	933								
Hand Benders - Big Ben®	58	961	962									
Hand Benders - Malleable Iron	60	921	922	923								
Hand Benders - Hickeys	61	820	821	822								
EMT Conduit Bending	**Page #**	**½"**	**¾"**	**1"**	**1¼"**	**1½"**	**2"**	**2½"**	**3"**	**3½"**	**4"**	**5"**
B2000 Cyclone® Bender	36	✗	✗	✗	✗	✗	✗					
B2555 Sidewinder® Bender & BEMT-52	37	✗	✗	✗	✗	✗	✗					
B400L & DL Ultra Eegor™	40							✗	✗	✗	✗	
Mechanical Sidewinder™ Bender BW30, 27, 201, 221	54-57	✗	✗	✗	✗	✗	✗					
Hand Benders - Gardner™ Bender	59	930B	931B	932								
Hand Benders - Big Ben®	58	960	961	962								
Hand Benders - Malleable Iron	60	920	921	922	923							
IMC Conduit Bending	**Page #**	**½"**	**¾"**	**1"**	**1¼"**	**1½"**	**2"**	**2½"**	**3"**	**3½"**	**4"**	**5"**
B2000 Cyclone® Bender	36	✗	✗	✗	✗	✗	✗					
B2555 Sidewinder® Bender & IMC-52	37-38	✗	✗	✗	✗	✗	✗					
B400L & DL Ultra Eegor™	40							✗	✗	✗	✗	
Mechanical Sidewinder™ Bender BW11,12,15, 20,30, 27	54-57	✗	✗	✗	✗	✗						
PVC-Coated Rigid Conduit Bending	**Page #**	**½"**	**¾"**	**1"**	**1¼"**	**1½"**	**2"**	**2½"**	**3"**	**3½"**	**4"**	**5"**
B2000 Cyclone® Bender	36	✗	✗	✗	✗	✗						
B2555 Sidewinder® Bender & BPVC-152	37-38	✗	✗	✗	✗	✗	✗					
Mechanical Sidewinder™ Bender BW30,27,201, 221	54-57	✗	✗	✗	✗	✗						

GB Gardner Bender **INNOVATION**

IMPROVED 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")

MADE IN USA

- Ability to make repeatable bends at the same degree.
- 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.
- Resetting 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.
- Weather-resistant cover included.
- 110/115 V AC, 15 AMP 1 HP DC Motor.
- Dimensions: 47" x 33" x 43".
- Weight 408 lbs.



B2000

Features:

1. STRONG LEGS
   Increased durability (10x life test)
2. LARGE TIRES/WHEELS
   Increased mobility
3. STRONG UPRIGHT HANDLE
   Ease of use
4. FORK LIFT TUBES
   Allows lifting and transport capability–built into base
5. LIFT HOOK
   Security (job-site) tethering
6. STORAGE AREA
   Storage for tools, etc. while in use



Can be performed in the horizontal or vertical position.



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

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

Centerline Radius Chart:

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

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



B2555

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
B2555IMC	Electric Sidewinder® w/ IMC Shoe Group	1½" - 2" IMC conduit	410 lbs
B2555PVC	Electric Sidewinder® w/ PVC Shoe Group	½" - 2" 40 mil PVC-Coated conduit	365 lbs

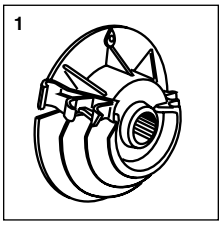
Electric Sidewinder® Shoe Groups

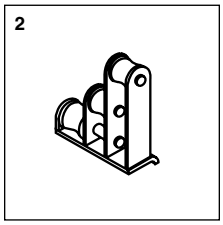
Rigid Shoe Group (½" to 2")

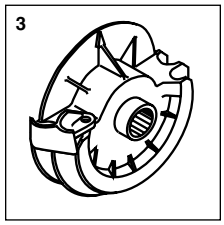
BRIG-52

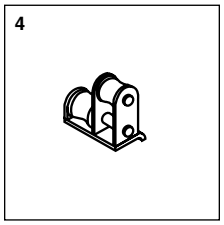
Part #	Conduit	Description	Weight	I.D. #
RS-5125	½" & 1¼"	Rigid and IMC Bending Shoe	43 lbs	**1**
RSR-5125	½" & 1¼"	Rigid and IMC Support Roller	8 lbs	**2**
RS-152	1½" & 2"	Rigid Bending Shoe	36 lbs	**3**
RSR-152	1½" & 2"	Rigid Support Roller	6 lbs	**4**
BX-1	—	Metal Storage Box	36 lbs	—

Total Weight: 129 lbs









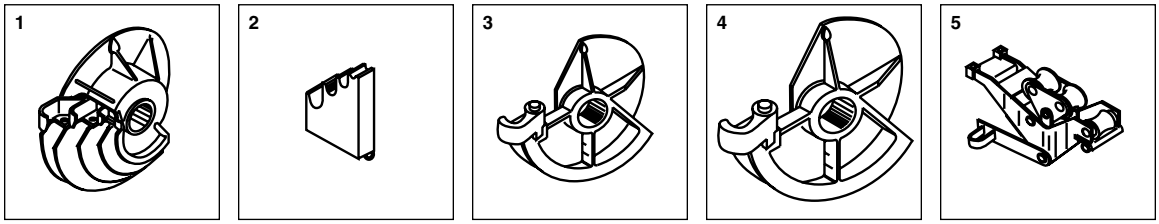
More Shoe Sets available on following page...

Electric Sidewinder® Shoe Groups (cont.)

EMT Shoe Group (½" to 2")
BEMT-52

Part #	Conduit	Description	Weight	I.D. #
ES-5125	½" & 1¼"	EMT Bending Shoe	24 lbs	1
ESR-5125	½" & 1¼"	EMT Support Unit	6 lbs	2
ES15	1½"	EMT Bending Shoe	23 lbs	3
ES-2	2"	EMT Bending Shoe	31 lbs	4
ESR-152	1½" & 2"	EMT Support Roller Unit	40 lbs	5
BX-1	—	Metal Storage Box	36 lbs	—

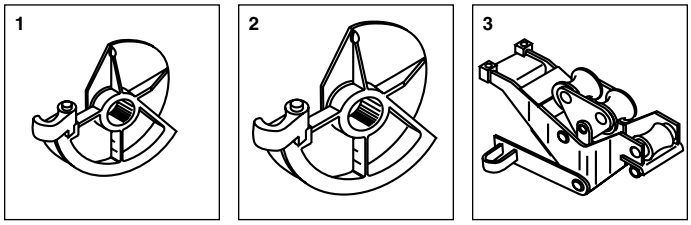
Total Weight: 160 lbs



IMC Shoe Group (1½" to 2")
BIMC-152

Part #	Conduit	Description	Weight	I.D. #
IS-15	1½"	IMC Bending Shoe	22 lbs	1
IS-2	2"	IMC Bending Shoe	29 lbs	2
ISR-152	1½" & 2"	IMC Support Roller Unit	40 lbs	3
BX-1	—	Metal Storage Box	36 lbs	—

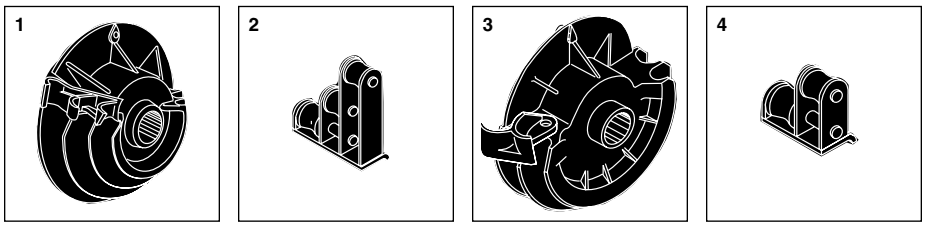
Total Weight: 127 lbs



PVC-Coated Rigid Shoe Group (½" to 2" or 40 mil)
BPVC-52

Part #	Conduit	Description	Weight	I.D. #
PVS-5125	½" & 1¼"	PVC-Coated Rigid Bending Shoe	43 lbs	1
PVR-5125	½" & 1¼"	PVC-Coated Rigid Support Roller	8 lbs	2
PVS-152	1½" & 2"	PVC-Coated Rigid Bending Shoe	36 lbs	3
PVR-152	1½" & 2"	PVC-Coated Rigid Support Roller	6 lbs	4
BX-1	—	Metal Storage Box	36 lbs	—

Total Weight: 132 lbs



Rigid Bender Capacities Chart

One Shot / Sweep / Segmental

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

				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

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

GB Gardner Bender **INNOVATION**

IMPROVED Ultra Eegor™ Hydraulic Bender

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.

MADE IN USA



B400L with BE400 Table, CS400Cylinder Support & Z-Class™ Pump

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 PG 49 FOR MORE INFO ON Electric Pumps

Part #	Description	Pump	Weight
B400L	Long-stroke Ultra Eegor™	—	770 lbs
B400LP408S	Long-stroke Ultra Eegor™	P408S Electric	870 lbs
B400DL	Long-stroke Ultra Eegor™ w/o 3½" shoe group	—	770 lbs
B400DLP408S	Long-stroke Ultra Eegor™ w/o 3½" shoe group	P408S Electric	795 lbs
CD3028KT*	Eegor® Conversion Kit, 28" Stroke Cylinder		105 lbs
CS400	Cylinder Support for BE400 Table		30 lbs
DC404	Bend Angle Decal		1 lb

tip: *To convert older B400 or B400D to Long-stroke Cylinder, use CD3028KT Kit, which includes Long-stroke Cylinder, CS400 Cylinder Support and DC404 Decal.

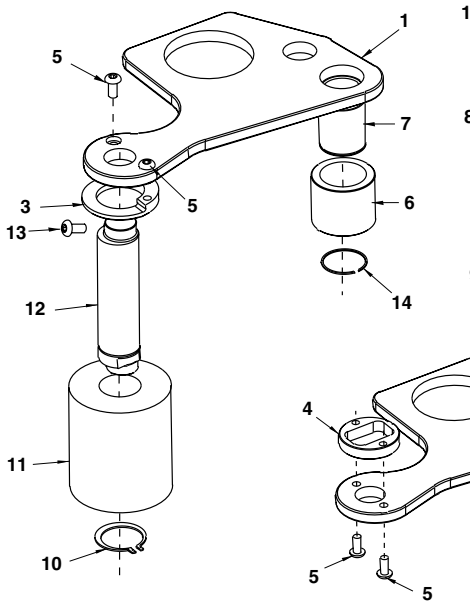
Components Included with the Long-stroke Ultra Eegor™ Bender

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BS2500	2½"	Bending Shoe	44 lbs	**1**	**BZ34**	3"	U-strap	5 lbs	**10**
BS3000	3"	Bending Shoe	50 lbs	**2**	**BZ39***	3½"	U-strap	8 lbs	**11**
BS3500	3½"	Bending Shoe	75 lbs	**3**	**BZ44**	4"	U-strap	10 lbs	**12**
BS4000	4"	Bending Shoe	90 lbs	**4**	**BZ76**	-	U-strap Pin	4 lbs	**15**
BFB2500	2½"	Follow Bar	34 lbs	**5**	**BZ78**	-	Bend Shoe Pin	4 lbs	**16**
BFB3000	3"	Follow Bar	35 lbs	**6**	**CD3028**	-	30-Ton, Double-Acting Hyd. Cyl.	95 lbs	**17**
BFB3500	3½"	Follow Bar	42 lbs	**7**	**HC927**	-	(2) 10' Hose w/High-Flow Coupler	4 lbs	**18**
BFB4000	4"	Follow Bar	40 lbs	**8**	**BZ74**	-	Double Anchor Frame Pin	66 lbs	**19**
BZ28	2½"	U-strap	5 lbs	**9**	**CM20**	-	Metal Case for Ultra Eegor™	182 lbs	-

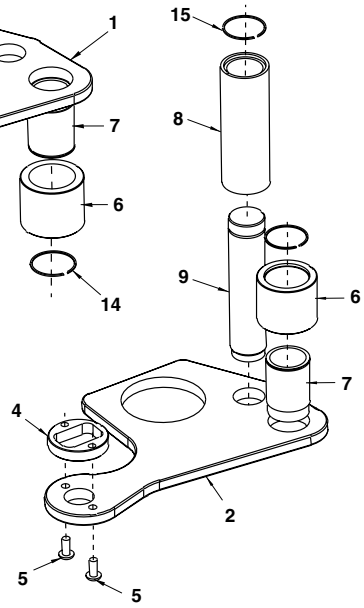
These parts are not included with B400DL and B400DLP408S.

Replacement Components for Eegor® Roller Assembly BZ72:

Part #	# Req'd	Description	I.D. #
CK211950	1	Plate assembly (top)	1
CK212950	1	Plate assembly (bottom)	2
CF859489	1	Retaining collar	3
CF860013	1	Pilot keyway	4
CH204028	4	Button head cap screw	5
CF862281	2	Roller (short)	6
CF861108	2	Roller insert (short)	7
CK579281	1	Roller	8
CF863104	1	Roller axle	9
CM191044	1	Retaining ring	10
CM194900	1	Roller assembly	11
CM193350	1	Roller cam	12
B1021028	1	Roller cam cap screw	13
CH819044	AR	Wire, retaining	14
CH951044	1	Ring, retaining	15



BZ725 Top Plate Assembly



BZ726 Bottom Plate Assembly

Bend-Mate™ Bender Table (Optional)

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

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



BE400

Part #	Description	Weight
BE400	Bend-Mate™ Table - 30"W* x 32"L x 56"H w/6" wheels	210 lbs
CS400	Cylinder Support for BE400 Table	30 lbs

*57" with table raised.

tip: Using BE400 table with an Eegor® Hydraulic Bender will help reduce labor costs, and physical strain.

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

½" - 2" One-shot Rigid Hydraulic Benders

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

- Bends ½" to 2" rigid steel or rigid aluminum conduit.
- Portable hand pump or economical electric pump options.
- Durable metal job box included.
- Optic angle gauge for quick references of bend progression.
- Ability to be powered by manual or electric pumps.

note: These benders are for use on Rigid conduit only.



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

SEE PG 49 FOR MORE INFO ON Electric Pumps

SEE PG 51 FOR MORE INFO ON Manual Pumps

SEE PG 53 FOR MORE INFO ON Cylinders

Centerline Radius Chart:

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

Components Included with B316S Models:

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

**Must order A12 Smooth Saddle, see p. 52*

1" - 2" Combination One-shot / Sweep Rigid Hydraulic Benders

Bends 1" to 2" rigid steel or aluminum conduit in one shot. Includes 2½" to 4" sweep bend shoes.

- Capability of one-shoe bending for elbows.
- Ability to produce sweep bends where several bending stages are necessary.
- Durable metal job box included.
- Ability to be powered by manual or electric pumps.



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

SEE PG 49 FOR MORE INFO ON Electric Pumps

SEE PG 51 FOR MORE INFO ON Manual Pumps

SEE PG 53 FOR MORE INFO ON Cylinders

Centerline Radius Chart:

Nominal Size	Rigid Radius	Bending Shoe	Nominal Size	Smallest Radius	Bending Shoe
1"	5 13/16"	BZ12031	2½"	10½"	BZ12382
1¼"	7¼"	BZ12041	3"	13"	BZ12383
1½"	8¼"	BZ12051	3½"	17½"	BZ12384
2"	9½"	BZ12061	4"	20"	BZ12385

Components Included with B308S Models:

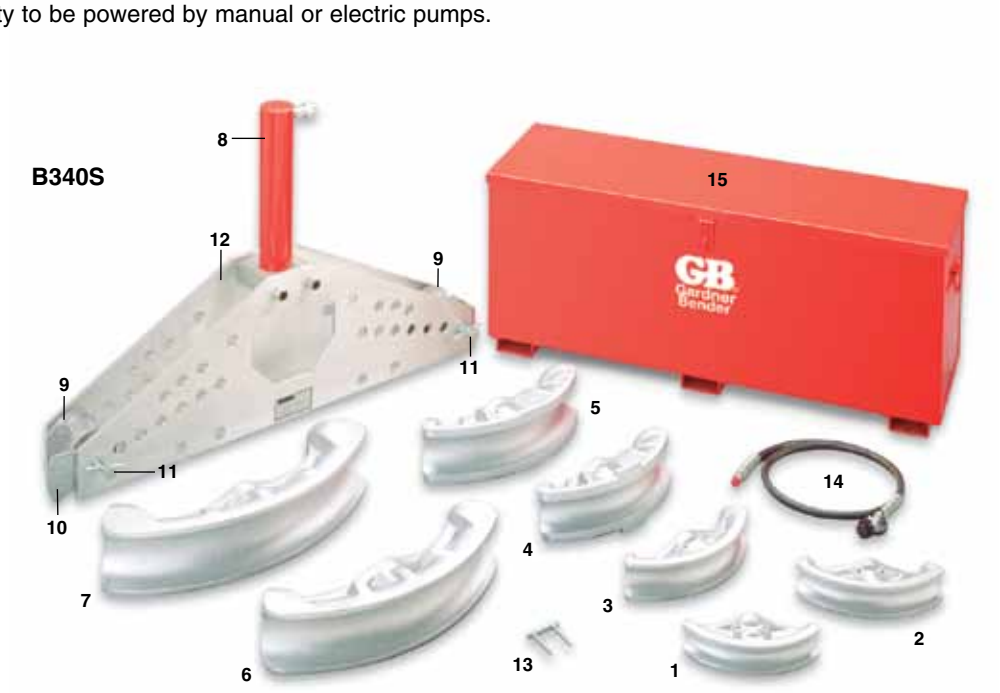
Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ12031	1"	Bending Shoe	2 lbs	**1**	**CS2510**	-	25-ton Single-Acting Cylinder*	31 lbs	**9**
BZ12041	1¼"	Bending Shoe	4 lbs	**2**	**BZ13401**	-	(2) Pivot Shoes	4 lbs	**10**
BZ12051	1½"	Bending Shoe	5 lbs	**3**	**BZ12091**	-	Angle Gauge	.5 lb	**11**
BZ12061	2"	Bending Shoe	7 lbs	**4**	**BZ12376**	-	(2) Pivot Pins	4 lbs	**12**
BZ12382	2½"	Sweep Bending Shoe	4 lbs	**5**	**BZ12372**	-	Bender Frame	54 lbs	**13**
BZ12383	3"	Sweep Bending Shoe	5 lbs	**6**	**BZ12374**	-	Shoe Lock Pin	.25 lb	**14**
BZ12384	3½"	Sweep Bending Shoe	9 lbs	**7**	**HC913**	-	6' Hose	3 lbs	**15**
BZ12385	4"	Sweep Bending Shoe	12 lbs	**8**	**CM7**	-	Metal Case	98 lbs	**16**

**Must order A29 Smooth Saddle, see p. 52*

1¼" - 4" One-shot Rigid Hydraulic Benders

Bends 1¼" to 4" rigid steel or rigid aluminum conduit.

- Choice of hand or electric pumps.
- Durable metal job box included.
- Ability to be powered by manual or electric pumps.



Part #	Description	Weight
B340S	1¼" - 4" One-shot Rigid Bender	334 lbs
B340SPH80	1¼" - 4" One-shot Rigid Bender w/ PH80 Hand Pump	350 lbs
B340SPE22J	1¼" - 4" One-shot Rigid Bender w/ PE22J Electric Pump	390 lbs
B340SP208J	1¼" - 4" One-shot Rigid Bender w/ P208J Electric Pump	325 lbs

SEE PG 49 FOR MORE INFO ON Electric Pumps

SEE PG 51 FOR MORE INFO ON Manual Pumps

SEE PG 53 FOR MORE INFO ON Cylinders

Centerline Radius Chart:

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

Components Included with B340S Models:

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

**Must order A29 Smooth Saddle, see p. 52*

1¼" - 5" One-shot Sweep Combination Rigid Hydraulic Benders

Bends 1¼" to 4" rigid steel or rigid aluminum conduit.

- Choice of hand or electric pumps.
- Durable metal job box included.
- Ability to be powered by manual or electric pumps.



Part #	Description	Weight
B359S	1¼" - 4" One-shot / 5" Sweep Combination	225 lbs
B359SPH80	1¼" - 4" One-shot / 5" Sweep Combo w/ PH80 Hand Pump	253 lbs
B359SP208J	1¼" - 4" One-shot / 5" Sweep Combo w/ P208J Elec. Pump	340 lbs

SEE PG 49 FOR MORE INFO ON Electric Pumps

SEE PG 51 FOR MORE INFO ON Manual Pumps

SEE PG 53 FOR MORE INFO ON Cylinders

Centerline Radius Chart:

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

Components Included with B359S Models:

Part #	Conduit	Description	Weight	I.D. #	Part #	Conduit	Description	Weight	I.D. #
BZ12041	1¼"	Bending Shoe	4 lbs	**1**	**CS2514***	-	25 ton Single Acting Cylinder	31 lbs	**9**
BZ12051	1½"	Bending Shoe	5 lbs	**2**	**BZ12388**	-	(2) Pivot Shoes	4 lbs	**10**
BZ12061	2"	Bending Shoe	7 lbs	**3**	**BZ12091**	-	Angle Gauge	.25 lb	**11**
BZ12341	2½"	Bending Shoe	14 lbs	**4**	**BZ12390**	-	(2) Pivot Pins	4 lbs	**12**
BZ12351	3"	Bending Shoe	15 lbs	**5**	**BZ12389**	-	Bender Frame	85 lbs	**13**
BZ12391	3½"	Bending Shoe	40 lbs	**6**	**BZ12374**	-	Shoe Lock Pin	.25 lb	**14**
BZ12392	4"	Bending Shoe	41 lbs	**7**	**HC913**	-	6' Hose	3 lbs	**15**
BZ12386	5"	Sweep Bending Shoe	18 lbs	**8**	**CM7**	-	Metal Case	98 lbs	**16**

**Must order A29 Smooth Saddle, see p. 52*

1¼" - 4" Sweep/Segmental Rigid Hydraulic Benders

Bends 1¼" to 4" rigid steel or rigid aluminum conduit sweep/segmental.

- Choice of hand or electric pumps.
- Durable metal job box included.
- Ability to be powered by manual or electric pumps.

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



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

SEE PG 49 FOR MORE INFO ON Electric Pumps

Centerline Radius Chart:

Nominal Size	Smallest Radius	Bending Shoe	Nominal Size	Smallest Radius	Bending Shoe
1¼"	7¼"	BZ12397	3"	13"	BZ12383
1½"	8¼"	BZ12380	3½"	17½"	BZ12384
2"	9½"	BZ12381	4"	20"	BZ12385
2½"	10½"	BZ12382			

SEE PG 51 FOR MORE INFO ON Manual Pumps

SEE PG 53 FOR MORE INFO ON Cylinders

Components Included with B306S Models:

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

Must order A29 Smooth Saddle, see p. 52

1¼" - 4" One-shot Eject-O-Matic® Rigid Hydraulic Benders

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

- Optional 5" conversion kit available (B350) - segment only.
- Automatic ejection saves time and money.
- Ability to be powered by manual or electric pumps.

tip: Double Acting (two hose) cylinders provide controlled and powerful bending and return functions.



Part #	Description	Weight
B343S	1¼" - 4" One-shot	330 lbs
B343SPH84	1¼" - 4" One-shot w/ PH84 Hand Pump	380 lbs
B343SP408K	1¼" - 4" One-shot w/ P408K Electric Pump	362 lbs
B343SP408J	1¼" - 4" One-shot w/ P408J Electric Pump	430 lbs
B343SP408S	1¼" - 4" One-shot w/ P408S Electric Pump	432 lbs

SEE PG 49 FOR MORE INFO ON Electric Pumps

SEE PG 51 FOR MORE INFO ON Manual Pumps

SEE PG 53 FOR MORE INFO ON Cylinders

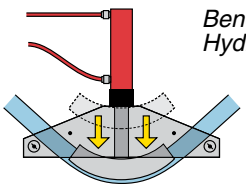
Centerline Radius Chart:

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

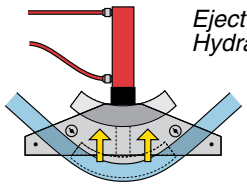
Components Included with B343S Models:

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

**Must order A29 Smooth Saddle, see p. 52*



Bend Conduit Hydraulically



Eject Conduit Hydraulically

1¼" One-shot Eject-O-Matic® Rigid Hydraulic Benders - 5" Sweep

Bends 1¼" to 4" rigid steel and rigid aluminum conduit in one shot and 5" sweep.

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



Part #	Description	Weight
B351S	1¼" - 4" One-shot / 5" Sweep Combination	377 lbs
B351SPH84	1¼" - 4" One-shot / 5" Sweep Combo w/ PH84 Hand Pump	410 lbs
B351SP408J	1¼" - 4" One-shot / 5" Sweep Combo w/ P408J Elec. Pump	458 lbs
B351SP408S	1¼" - 4" One-shot / 5" Sweep Combo w/ P408S Elec. Pump	460 lbs

SEE PG 49 FOR MORE INFO ON Electric Pumps

SEE PG 51 FOR MORE INFO ON Manual Pumps

SEE PG 53 FOR MORE INFO ON Cylinders

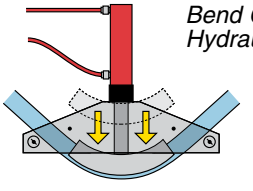
Centerline Radius Chart:

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

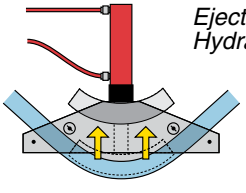
Components Included with B351S Models:

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

Must order A29 Smooth Saddle, see p. 52



Bend Conduit Hydraulically



Eject Conduit Hydraulically

NEW 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.

Double-Acting Pump
P408S
1.7 HP Pump



Single-Acting Pump
P208J
1.7 HP Pump



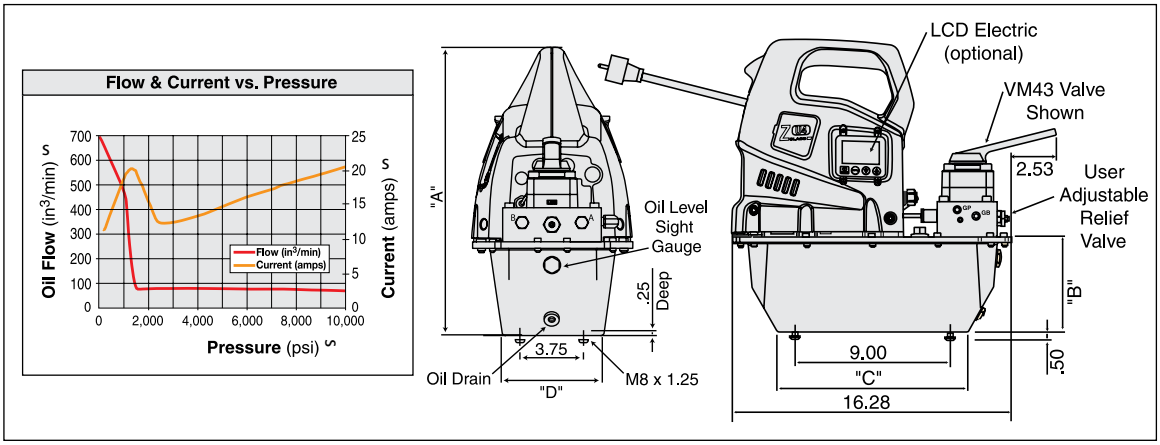
	P208J	P408S
Motor Size	1.7hp	1.7hp
Type	Z-Class™	Z-Class™
Reservoir Capacity	2 gallon	2 gallon
Pump Type	single-acting	double-acting
Pressure Rating		
1st stage (psi)	100	100
2nd stage (psi)	10,000	10,000
Output Flow Rate		
1st stage (in^3/min)	700	700
2nd stage (in^3/min)	60	60
Valve Type	3 way/2 pos.	4 way/3 pos.
Current Draw (max) (Amps)	20	20
Motor Voltage (VAC)	115	115
Sound (dba)	85-90	85-90
Weight (lbs)	70	85
Relief Valve Adj. Range (psi)	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



Economy Electric Pumps

PE20D & PE22J

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

Single-Acting Pump
PE20D
½ HP Pump



Submerged Electric Pumps

PE24J

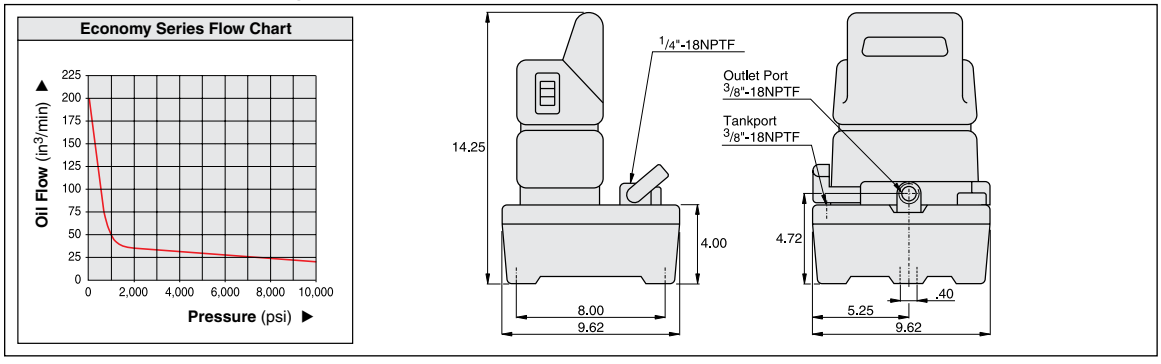
- Powerful ½ hp induction motor is submerged in the oil reservoir to run cooler, protect motor, simplify pump interface, save space, reduce noise.
- Large 1.7 gallon reservoir allows for a wide operation of cylinders.
- Full-length slide tube for visual monitoring of oil level.

Single-Acting Pump
PE22J
½ HP Pump



	PE20D	PE22J
Motor Size	½ hp	½ hp
Type	Economy	Economy
Reservoir Capacity	1 gallon	1 gallon
Pump Type	Single-Acting	Single-Acting
Pressure Rating		
1st stage (psi)	200	200
2nd stage (psi)	10,000	10,000
Output Flow Rate		
1st stage (in^3/min)	200	200
2nd stage (in^3/min)	20	20
Valve Type	Dump	3-way, 2 pos.
Current Draw (Amps)	9.5	9.5
Motor Voltage (VAC)	115	115
Sound (dba)	85	85
Weight	29 lbs	27 lbs

PE20D or PE22J Economy Electric Pumps



Manual Hydraulic Pumps

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

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



PH20
Manual Pump



PH39
Manual Pump



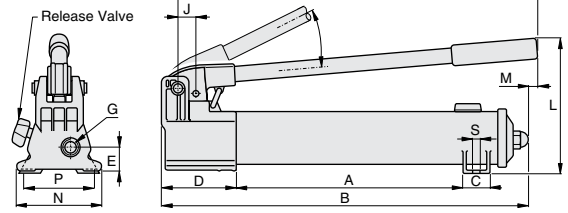
PH80
Manual Pump



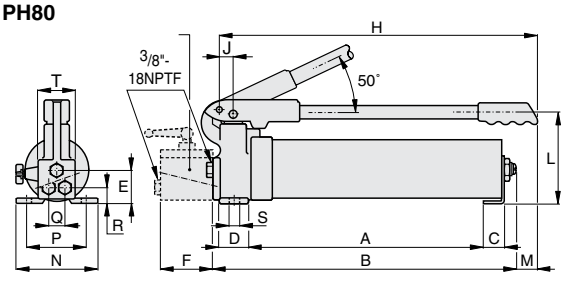
PF65
Manual
Foot Pump

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

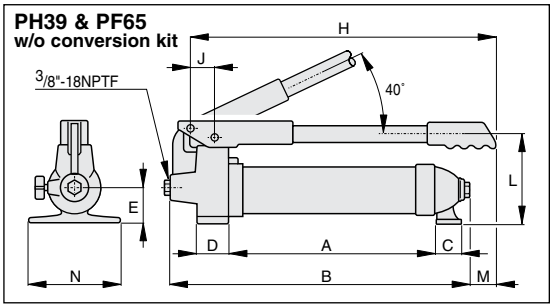
PH20



PH80



PH39 & PF65
w/o conversion kit



Hydraulic Bender Accessories

Quality accessories to increase bending efficiency.

See following page for Hydraulic Cylinder Specifications.



HF101

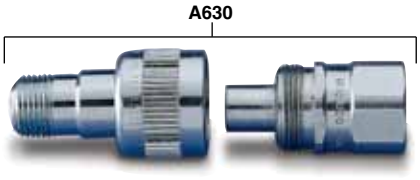
Hoses and Oil

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


H864

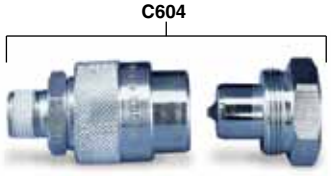
Couplers

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
CD411	Universal Dust Cap for CR400 & CH604, plastic	.1 lb


A630

Smooth Saddles

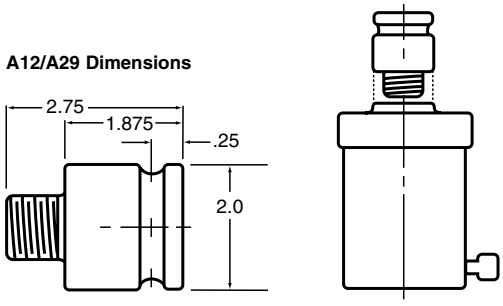
Part #	For Use With	2A Thread	Weight
A12	10-ton Cylinders	1 - 8 UNC	5 lbs
A29	25 ton Cylinders	1½ - 16 UNC	7 lbs


C604

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

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

A12/A29 Dimensions

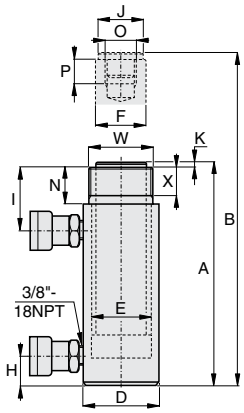


LOCTITE® is a registered trademark of Henkel Corporation, Düsseldorf, Germany.

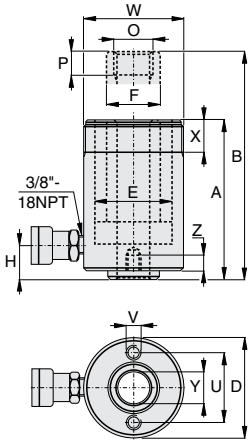
Hydraulic Cylinder Specifications



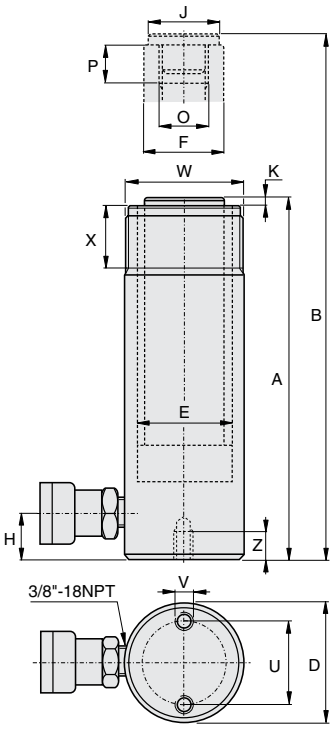
CH1211 has a 1.88" diameter base that protrudes .25" from base.



CD1012, CD308, CD3014 models



CH1211 model



CS106, CS1010, CS2510, CS2514 models

		CH1211	CS106	CS1010	CS2510	CS2514	CD1012	CD308	CD3014
Cylinder Capacity (tons)		12.00	10.00	10.00	25.00	25.00	10.00	30.00	30.00
Stroke (in)		1.63	6.13	10.13	10.25	14.25	12.00	8.25	14.50
Max Cylinder Capacity (tons)	**Push**						10.00	30.00	30.00
Max Cylinder Capacity (tons)	**Pull**						4.00	5.00	5.00
Cylinder Effective Area (in^2)		2.77	2.23	2.23	5.15	5.15			
Cylinder Effective Area (in^2)	**Push**						2.23	6.51	6.51
Cylinder Effective Area (in^2)	**Pull**						0.80	3.00	3.00
Oil Capacity (in^3)		4.52	13.67	22.59	52.79	73.39			
Oil Capacity (in^3)	**Push**						26.80	53.67	92.70
Oil Capacity (in^3)	**Pull**						9.00	25.00	43.00
Collapsed Height (in)	**A**	4.75	9.75	13.75	14.75	18.75	18.00	15.25	21.63
Extended Height (in)	**B**	6.38	15.88	23.88	25.00	33.00	30.00	23.50	36.13
Outside Diameter (in)	**D**	2.75	2.25	2.25	3.38	3.38	2.88	4.00	4.00
Cylinder Bore Diameter (in)	**E**	2.13	1.69	1.69	2.56	2.56	1.69	2.88	2.88
Plunger Diameter (in)	**F**	1.38	1.50	1.50	2.25	2.25	1.38	2.13	2.13
Cyl. Base to Advance Port (in)	**H**	0.75	0.75	0.75	1.00	1.00	1.44	1.44	1.56
Top to Ret. Port (in)	**I**						2.25	3.19	3.19
Saddle Diameter (in)	**J**	–	1.38	1.38	2.00	2.00	1.38	2.00	2.00
Saddle Protr. from Plunger (in)	**K**	–	0.25	0.25	0.41	0.41	0.06	0.41	0.41
Plunger Internal Thread (in)	**O**	¾-16	1-8	1-8	1½-16	1½-16	1-8	1½-16	1½-16
Plunger Thread Length (in)	**P**	0.63	0.75	0.75	1.00	1.00	1.00	1.00	1.00
Base Mounting Holes									
Bolt Circle Diameter (in)	**U**		1.56	1.56	2.31	2.31	–	–	–
Thread (in)	**V**		5/16-18	5/16-18	½-13	½-13	–	–	–
Thread Depth (in)	**Z**		.50	.50	.75	.75	–	–	–
Collar Thread (in)	**W**	2¾-16	2¼-14	2¼-14	3 5/16-12	3 5/16-12	2¼-14	3 5/16-12	3 5/16-12
Collar Thread Length (in)	**X**	1.19	1.13	1.13	1.94	1.94	1.06	1.94	1.94
Center Hole Diameter (in)	**Y**	0.77							
Weight (lbs)		6.20	9.80	14.00	31.00	39.00	31.00	40.00	64.00
Rating (tons)		12	10	10	25	25	10	30	30
Saddle (sold separately) (tons)		12	10	10	25	25	10	30	30

Mechanical Sidewinder™ Benders

A fully portable system that bends:

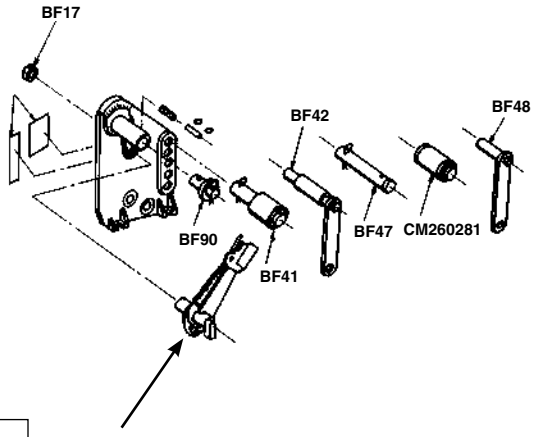
- ½" to 1½" rigid steel, rigid aluminum, PVC-Coated rigid and IMC conduit.
- ½" to 2" EMT conduit.

- 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.

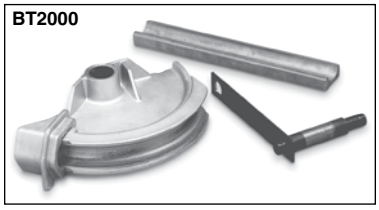


BWF800 Bender Head Assembly

Part #	Description	Weight
BWF888	Sidewinder™ Bender w/ out Shoe Groups	64 lbs
BF41	Urethane Roller Assembly & Shaft Assembly	3 lbs
BF42	2" EMT Strap	8 lbs
BF43	Frame, Retainer Pin and Decals	25 lbs
BF47	Shaft Assembly	3 lbs
BF48	2" Steel Sleeve and Strap Kit	4 lbs
BF49	Ratchet Assembly	9 lbs
BF52	Bend Instruction Decals	1 lb
BF90	Shoe Lock Kit (upgrade older frames)	2 lbs
BTI12520	Insert Teeth (for 1¼" - 1½" and 2" shoes)	1 lb
CM260281	Urethane Roller Only	1 lb



Jaws attach to shoes with chain.













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.*

Sidewinder™ ½" - 1" Rigid / IMC Bender



Bends ½", ¾" and 1" rigid steel and IMC conduit.

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

		Contains		
Part #	**Weight**	**Part #**	**Description**	**Weight**
BW11	78 lbs	**BWF888**	Sidewinder™ Bender Frame	64 lbs
		BR57510	½", ¾" & 1" Rigid & IMC Shoe	18 lbs

Sidewinder™ 1¼" - 1½" Rigid / IMC Bender



Bends 1¼" and 1½" rigid steel and IMC conduit.

- Shoe tooth inserts can be replaced in the field which allows extended service life.
- Order part number BTI12520.

		Contains		
Part #	**Weight**	**Part #**	**Description**	**Weight**
BW12	88 lbs	**BWF888**	Sidewinder™ Bender Frame	64 lbs
		BR12515	1¼" & 1½" Rigid & IMC Shoe	28 lbs

Sidewinder™ ½" - 1½" Rigid / IMC Bender



Bends ½" to 1½" rigid steel and IMC conduit.

- Combines features and bending capabilities of BW11 and BW12.
- Able to handle the most commonly used rigid and IMC conduit sizes.

		Contains		
Part #	**Weight**	**Part #**	**Description**	**Weight**
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

Sidewinder™ Rigid / IMC & Rigid Aluminum Conduit Bender



Bends ½" to 1½" rigid and IMC and 2" rigid aluminum conduit. Adds 2" rigid aluminum conduit bending capability to ½" to 1½" rigid and IMC capacity of BW15 Sidewinder™.

- Larger shoes feature field-replaceable tooth inserts for extended service life.
- Set includes metal storage box.

		Contains		
Part #	**Weight**	**Part #**	**Description**	**Weight**
BW20	175 lbs	**BWF888**	Sidewinder™ Bender Frame	64 lbs
		BW20S (Shoe Set)	BR57510 ½", ¾" & 1" Rigid & IMC Shoe	18 lbs
			BR12515 1¼" & 1½" Rigid & IMC Shoe	28 lbs
			BR20000 2" Rigid Aluminum Shoe	33 lbs
			CM4 4-cubic-foot Case	26 lbs

Shoes available separately or as a BW20S Set

Sidewinder™ Bender for All Conduit Types



Bends ½" to 1½" rigid and IMC, ½" to 2" EMT, ½" to 2" rigid aluminum and ½" to 1½" PVC-coated rigid conduit.

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

		Contains		
Part #	**Weight**	**Part #**	**Range**	**Weight**
BW30	290 lbs	**BWF888**	Sidewinder™ Bender Frame	64 lbs
		BW30S (Shoe Set)	BT57510 ½", ¾", & 1" EMT Shoe	18 lbs
			BT12515 1¼" & 1½" EMT Shoe	28 lbs
			BT2000 2" EMT Shoe	28 lbs
			BR57510 ½", ¾" & 1" Rigid & IMC Shoe	28 lbs
			BR12515 1¼" & 1½" Rigid & IMC Shoe	28 lbs
			BR20000 2" Rigid Aluminum	28 lbs
			CM7 7-cubic-foot Case	51 lbs

Sidewinder™ Bender for Most Conduit Types

Bends ½" to 1½" rigid and IMC, 1¼" to 2" EMT and 1" to 1½" PVC-coated rigid conduit.

- The economical choice for bending the most popular sizes of rigid/IMC and larger EMT conduit.
- Set includes metal storage box.



		Contains		
Part #	**Weight**	**Part #**	**Description**	**Weight**
BW27	210 lbs	**BWF888**	Sidewinder™ Bender Frame	64 lbs
		BW27S (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
			CM4 4-cubic-foot Case	26 lbs

Shoes available separately or as a BW27S Set

Sidewinder™ EMT & PVC-Coated Rigid Conduit Bender

Bends 2" EMT and 1½" PVC-coated rigid conduit.

- Field-replaceable shoe-tooth inserts extend service life.
- Order part number BTI12520.

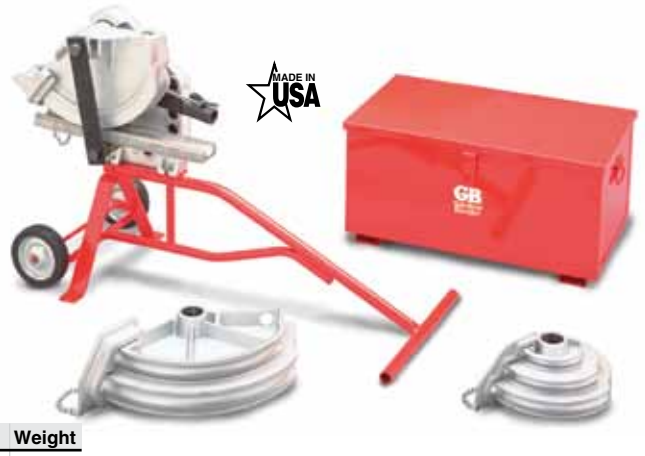


		Contains		
Part #	**Weight**	**Part #**	**Description**	**Weight**
BW201	99 lbs	**BWF888**	Sidewinder™ Bender Frame	64 lbs
		BT2000	2" EMT Shoe	39 lbs

Sidewinder™ EMT & PVC-Coated Rigid Conduit Bender

Bends ½" to 2" EMT and ½" to 1½" PVC-coated rigid conduit.

- Larger shoes feature filed-replacement-tooth inserts for extended service life.
- Set includes metal storage box.



		Contains		
Part #	**Weight**	**Part #**	**Description**	**Weight**
BW221	184 lbs	**BWF888**	Sidewinder™ Bender Frame	64 lbs
		BW221S (Shoe Set)	BT57510 ½", ¾" & 1" EMT Shoe	18 lbs
			BT12515 1¼" & 1½" EMT Shoe	28 lbs
			BT2000 2" EMT Shoe	39 lbs
			CM4 4-cubic-foot Case	26 lbs

GB Gardner Bender **INNOVATION**

NEW Big Ben® Conduit Hand Bender



GB'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. GB'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.

SEE PG 61 FOR MORE INFO ON Handles



These benders available with or without high-strength steel handle

Lifetime Warranty





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	
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

GB EXCLUSIVE! Gardner™ EMT / Rigid Aluminum Hand Benders (Series 930B-933)

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.

Lifetime Warranty



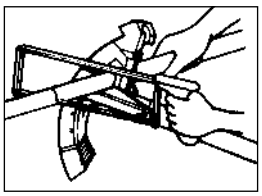
These benders are available with or without high-strength steel handle

SEE PG 61 FOR MORE INFO ON Handles





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.



Patented



Part Number	932	932H	933
Description	Head Only	Head & Handle	Head Only
Application	1" EMT / ¾" Rigid		1¼" EMT / 1" Rigid
Fits Handle #	BH-100	Included	BH-125
Material	Aluminum	Aluminum	Aluminum
Weight	4.1 lbs	10 lbs	7.75 lbs
Bend Radius	8"	8"	12"
EMT Size	1"	1"	1¼"
Rigid Size	¾"	¾"	1"

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Iron Hand Benders (Series 920-923)

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

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

Lifetime Warranty



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

SEE PG 61 FOR MORE INFO ON Handles





Part Number	920	920H	921	921H
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	Iron	Iron	Iron	Iron
Weight	2.7 lbs	7.2 lbs	5 lbs	9.6 lbs
Bend Radius	5"	5"	6"	6"
EMT Size	½"	½"	¾"	¾"
Rigid Size	—	—	½"	½"





Part Number	922	922H	923
Description	Head Only	Head & Handle	Head Only
Application	1" EMT / ¾" Rigid		1¼" EMT / 1" Rigid
Fits Handle #	BH-100	Included	BH-125
Material	Iron	Iron	Iron
Weight	4.9 lbs	14.5 lbs	14 lbs
Bend Radius	8"	8"	11"
EMT Size	1"	1"	1¼"
Rigid Size	¾"	¾"	1"

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.



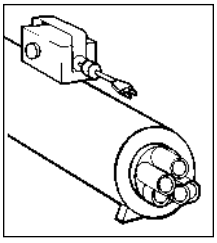
Part #	Rigid Size	Fits Bender Handle #	Weight
820	½"	BH-100	.9 lb
821	¾"	BH-100	1.2 lbs
822	1"	BH-125	2.2 lbs

GB EXCLUSIVE! 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 - 350 °F.



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

HotBox™ PVC Bender for ½" to 2" Conduit (schedule 40-80)

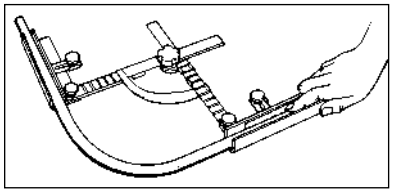


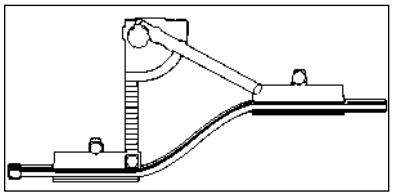
Complete PVC bending system includes Bend-Guide™ bending gauge.

- Highly polished reflector surfaces heat conduit quickly and evenly.
- Low power consumption.
- Lightweight with convenient carrying handle and cover clasp.
- Bending guide adjusts for 0° to 90° bend segments in any radius from 6" to 12".
- Dimensions: 29½" x 7" x 7⅛".
- Temperature Range: 0 °F - 450 °F.



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







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

HotBox™ PVC Bender for ½" to 4" Conduit (schedule 40-80)



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

- Highly polished reflector surfaces heat conduit quickly and evenly.
- Large wheels provide job-site portability.
- Allows conduit to be reheated and reformed.
- Dimensions: 54½" x 8½" x 11½".
- Temperature Range: 0 °F - 400 °F.

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)


BHB-560P

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

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

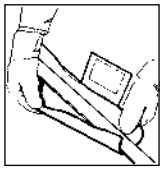
Part #	Description	Power Requirements			Weight
		Watts	Volts	Amps	
BHB-560	½" - 6" HotBox™	5500	230	24	60 lbs
BHB-560P	½" - 6" HotBox™ w/ Power Rotator	5500	230	24	68 lbs
BHE-560	Replacement Heating Element	5500	230	24	8.5 lbs

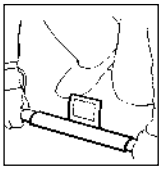
HotBlanket™ PVC Benders for ½" to 4" Conduit (all schedules)

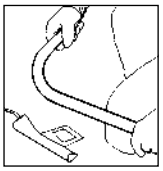


New improvements have made this family of conduit benders the most durable and economical bending system in the industry.

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


Wrap


Heat

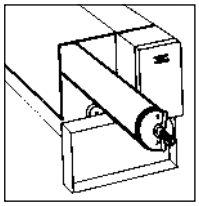

Bend

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

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.





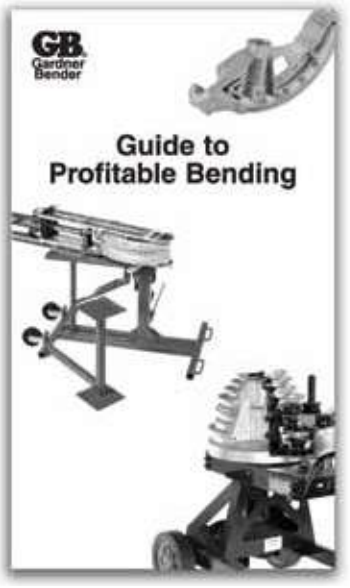
Part #	Description	Weight	Components		
			Part #	Description	Weight
BVS-240	2" - 4" PVC Plug Set	6 lbs	BVP20	2" PVC Plug	.32 lb
			BVP25	2½" PVC Plug	.38 lb
			BVP30	3" PVC Plug	.44 lb
			BVP40	4" PVC Plug	.44 lb

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



Tool-Guard™ Metal Storage Cases

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

- Constructed of durable 16-gauge steel with quality arc-welded seams.
- Dual rolled-lip design resists sprung hinges, keeps cover aligned, adds rigidity and strength.
- Continuous heavy-duty hinges stand up to rugged use.
- Water-resistant design retards leakage.
- Bottom skids enhance protection and permit easy forklift movement.
- Recessed closure shields padlock from cutting and prying attempts. (lock not included).
- Painted with rust-resistant primer and finished in durable red enamel.



CM7



CM20

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

Part #	Size cu. in.	Inside Dimensions Length	Width	Rear Height	Front Height	Shelf Dimensions Length	Width	Weight
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

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



Conduit Fishing

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



page 76



page 69



page 88



page 75

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Blower Systems
- JetLine® Super Blower™ (Electric) 68
- Super Blo-Vac™ System (Blower/Vacuum) .69

Cable Pullers and Accessories
- 2,000 lb Mini-Brutus™ Powered Puller 82
- 8,000 lb Brutus™ Powered Puller.....83
- 10,000 lb Ultra Brutus™ Powered Puller 88-89
- Sub-Assembly Kits.....84
- Brutus™ Powered Puller Application Instructions 85-87
- Hook Sheaves.....91
- Pulling Grips.....90
- Tension Meter.....91
- Conduit Measuring Tape.....75

CO2 Systems
- Air Compressor Seal-Off.....73
- CO2 Refill Connector 72
- Powr House™ Conduit Fishing Systems....71
- Powr-Pak I™ 5 lb. Portable System.....72

Fish Tapes and Accessories
- Cable Snake™ Steel Fish Tapes 77-78
- Economy Fish Tape 79
- Fiberline™ Non-Conductive Fiberglass Fish Tapes.....79
- Fish Tape Ball 80
- Fish Tape Leader 80
- Nylo-Flex™ Non-Conductive Nylon Fish Tapes.....80
- Replacement Tapes - Steel 79
- Rewind™ Fish Tape Winder.....77
- Streamline™ Steel Fish Tapes.....78
- UpperHand™ Steel Fish Tapes.....76
- UpperHand™ Non-Conductive Fiberglass Fish Tapes.....76

Fish Sticks
- 12' Fish Ease™ 81
- 15' Glo Fish™ 81

Material Handling

Reel Rollers
- 30" Reel Roller 96
- Handy-Saver™ Reel Roller 96

Reel Jacks - Telescoping 96

Wire Caddies & Carts
- Deluxe Spool Cart & Caddy Combo 98
- Hand Wire Caddy 97
- Heavy-Duty Spool Cart & Caddy Expander Combo 98
- Portable Wire Caddy 97
- Portable Wire Dispenser 99
- Replacement Parts 99
- Spool Caddy Cart 97
- Wire Dispenser.....98

Lubricants
- Wire-Aide™ 91
- Poly-Gel™.....92
- Super-Slick™.....93

Pull Line / Line Carriers
- Foam Line Carriers 74
- Heavy-Duty Bulk Nylon Line 75
- The Inflatables® Line Carriers.....73
- Missile Line Carriers.....73
- Poly-Pull™ Line 75
- Power Saver™ Line Packages.....74
- Tag-Along™ Line Packages 74

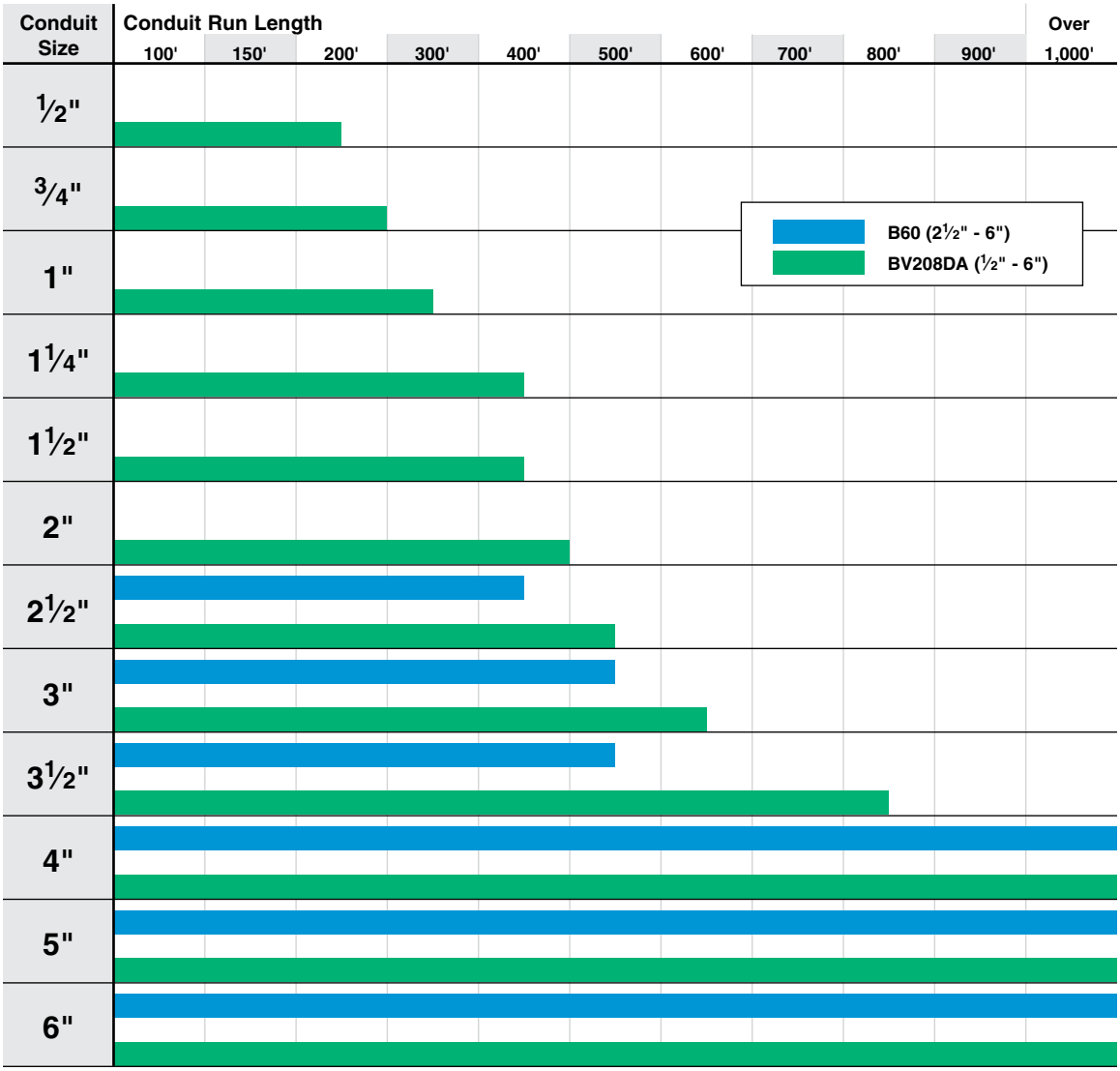
Rope
- Rope Selection Guide 95
- Poly-Pro™ General Purpose Rope.....94
- Super Tuff-Pull™ Double Braided Rope.....93
- Tuff-Pull™ Single Braided Rope 94

Vacuum / Blowers
- Super Blo-Vac™ System.....69

Conduit Installation Chart

- **JetLine® Super Blower™ System** (B60) Page 68
- **Super Blo-Vac™ System** (BV208DA) Page 69

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.



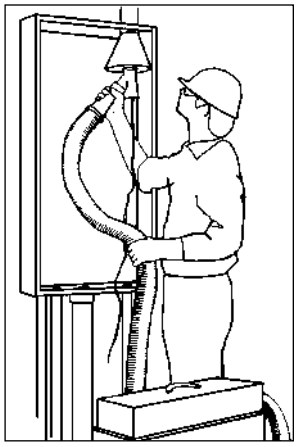
INNOVATION

JetLine® Super Blower™ System

The most powerful blower system in the market.

- Blower unit delivers 275 cfm at 3 psi – more than enough to blow ½" Poly-Pull™ rope 1000' or more through conduit up to 6" diameter.
- Lightweight (35 lbs) and compact (24" x 7½" x 8¼") power unit can be hand-carried to the work area.
- Extra-long 25' hose allows power unit to be located outside the manhole or vault.
- All work is done from one end of the conduit, permitting one-person operation. Works on 115 V AC power.
- System includes 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.
- 115 V AC, 23 A; Power Consumption 2.65 kw.
- Specifications: max. 4 psi; 150 cfm; 3 motors (1½ hp each).





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

System Includes:

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

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

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.
- 115 V AC, 13 A, 14¼" x 16½" x 39¾"
- Specifications: max. 5 psi; 95 cfm; 2¼ hp; 134" vacuum.



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

System Includes:

Part #	Description	Weight	I.D. #	Part #	Description	Weight	I.D. #
1525	Cart	25 lbs	**1**	**JV08**	Short Seal-off for ½" - 1¼" conduit	.1 lb	**11**
JV12	Seal-off for 1¼" - 2½" conduit	.3 lb	**2**	**JV09**	Long Seal-off for ½" - 1¼" conduit	.1 lb	**12**
LP3200B	(5) 200' Line Pkgs for ¾" conduit	.9 lb	**3**	**B26**	Large Dial-A-Line™ Seal-off Body	.7 lb	**13**
LP4200	(5) 200' Line Pkgs for 1" conduit	1.6 lbs	**4**	**BV23**	Seal-off for 1¼" - 2½" conduit	.3 lb	**14**
LP2206T	(2) 400' Line Pkgs for 1¼" or larger conduit	.6 lb	**5**	**BV24**	Seal-off for 2½" - 6" conduit	3.3 lbs	**15**
LP2207T	(2) 800' Line Pkgs for 1¼" or larger conduit	1 lb	**6**	**BV1281**	Crevice Tool (for clean-up)	.1 lb	**16**
JV210	Filter Bag (for vacuuming)	.1 lb	**7**	**LP2150**	(10) 150' Line Pkgs for ½" conduit	.8 lb	**17**
12568	8' x 1½" Heavy-duty Hose*	3.3 lbs	**8**	**LP3450**	(5) 450' Line Pkgs for ¾" conduit	1.4 lbs	**18**
BV12	Hose Adapter (to Dial-A-Line™ body)	.1 lb	**9**	**LP4450**	(5) 450' Line Pkgs for 1" conduit	.8 lb	**19**
JV07	Dial-A-Line™ Seal-off Body	.2 lb	**10**	**FC1-10**	(1 ea) Foam Line Carriers for ½" - 4" conduit	1 lb	**20**

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

Super Blo-Vac™ Specifications

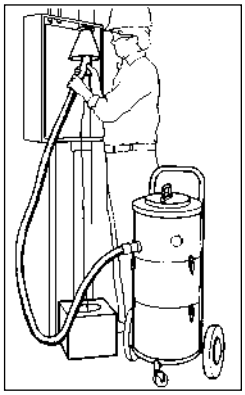
Vacuum* (inches of waterlift)	134"
Maximum Air Pressure*	5 psi
Electrical Rating	120 V AC, 13.8 A
Type of Motor	By-pass
Number of Impeller Stages	3
Recovery Capacity**	9 gallons
Net Weight	55 lbs
Height w/Cart	41"
Motor Brush Life	750 hours

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

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



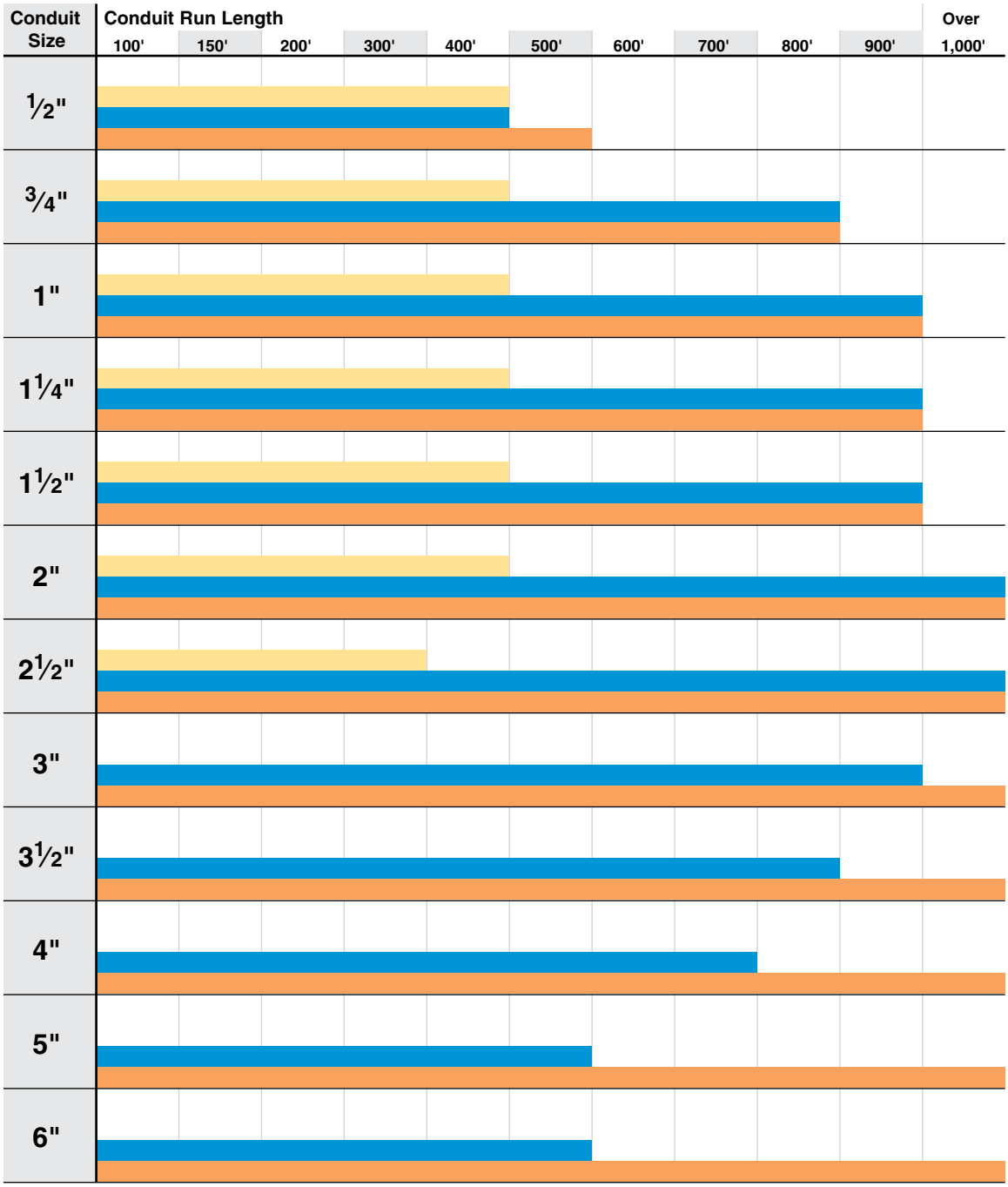
Tool Storage Compartment



Conduit Installation Guide

- **Powr-Pak I™ 5-lb Portable System** (J025) Page 72
- **Powr House™ System with 20-lb CO_2** (J0225LC + 1208) Page 71
- **Powr House™ System with 50-lb CO_2** (J0225LC + 950) Page 71

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



GB EXCLUSIVE! 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 CO_2 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)

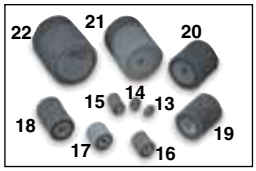


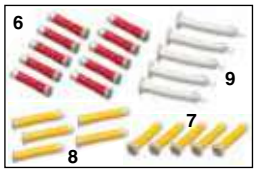
JO225LC & 1208
(20 lb Cylinder)



JO225LC Powr House™ CO_2 System w/o Cylinder

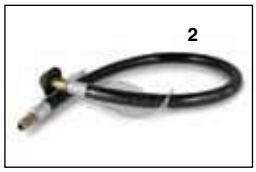
Accessories included with JO225LC















Contents Included in JO225LC:

Part #	Description	Weight	I.D. #	Part #	Description	Weight	I.D. #
1105A*	12' Valve Assembly with UG12 hose only	3.6 lbs	**1**	**FC1**	Foam Line Carrier for ½" conduit	.1 lb	**13**
1215	Seal-off for ½" - 1" conduit with 2' hose	.4 lb	**2**	**FC2**	Foam Line Carrier for ¾" conduit	.1 lb	**14**
1142	Angle Adapter (for 1215 Seal-off)	.1 lb	**3**	**FC3**	Foam Line Carrier for 1" conduit	.1 lb	**15**
1216	Seal-off for 1¼" - 2½" conduit with 2' hose	.8 lb	**4**	**FC4**	Foam Line Carrier for 1¼" conduit	.1 lb	**16**
1206	Seal-off for 1½" - 6" conduit	5.2 lbs	**5**	**FC5**	Foam Line Carrier for 1½" conduit	.1 lb	**17**
LP2150	(10) 150' Line Pkgs for ½" conduit	1.3 lbs	**6**	**FC6**	Foam Line Carrier for 2" conduit	.1 lb	**18**
LP3200	(5) 200' Line Pkgs for ¾" conduit	.8 lb	**7**	**FC7**	Foam Line Carrier for 2½" conduit	.1 lb	**19**
LP3300	(5) 300' Line Pkgs for ¾" conduit	1.1 lbs	**8**	**FC8**	Foam Line Carrier for 3" conduit	.1 lb	**20**
LP4300	(5) 300' Line Pkgs for 1" conduit	1.1 lbs	**9**	**FC9**	Foam Line Carrier for 3½" conduit	.1 lb	**21**
LP2206T	(3) 400' Line Pkgs for 1¼" or larger conduit	.6 lb	**10**	**FC10**	Foam Line Carrier for 4" conduit	.1 lb	**22**
LP2207T	(3) 800' Line Pkgs for 1¼" or larger conduit	.6 lb	**11**	**FC11**	Foam Line Carrier for 5" conduit	.1 lb	**NS**
LP2208T	(3) 600' Line Pkgs for 1¼" or larger conduit	.9 lb	**12**	**FC12**	Foam Line Carrier for 6" conduit	.1 lb	**NS**

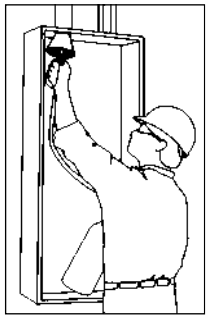
**Order UG12 for hose only. Order UG121112 for hose and coupling assembly.*

NS=Not Shown

Powr-Pak I™ 5-lb Portable System

For ½" to 2½" conduit.

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





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

System Includes:

Part #	Description	Weight	I.D. #	Part #	Description	Weight	I.D. #
1103N	5-lb-capacity CO_2 Cylinder w/valve (full)	18 lbs	1	F125B	(4) Line Carriers for ¾" - 1½" conduit	.6 lb	9
1102	Shoulder Strap	.4 lb	2	F250B	(2) Line Carriers for 1½" - 2½" conduit	.6 lb	10
1215	2' hose seal-off for ½" - 1" conduit	.4 lb	4	LP2150	(10) 150' Line Pkgs for ½" conduit	1.3 lbs	11
1142	Angle Adapter (for 1215 Seal-off)	.1 lb	5	LP3200	(5) 200' Line Pkgs for ¾" conduit	.8 lb	12
1216	2' hose seal-off for 1¼" - 2½" conduit	.8 lb	6	LP4300	(5) 300' Line Pkgs for 1" conduit	1.1 lbs	13
RV5	Refill Connector (with 1137 Cone)	.8 lb	7	LP1701B	1000' Nylon Bulk Line	1 lb	14
FC1	(5) Foam Line Carriers for ½" conduit	.1 lb	8	LP1702B	2000' Nylon Bulk Line	1 lb	15

CO_2 Refill Connector

Connection for refilling CO_2 cylinders.

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



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

Air Compressor Seal-Off

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

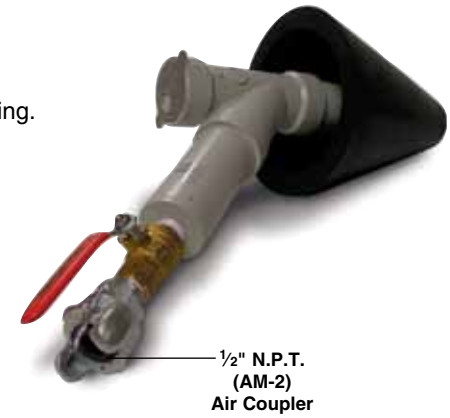
- The Dial-A-Line™ feature is incorporated into the compressor fitting.
- Maximum 200 cfm rating.
- Shut-off valve.

⚠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.



The Inflatables® Line Carriers

For ¾" to 6" conduit.

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

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



Missile Line Carriers

For 2" to 6" conduit.

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

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



Foam Line Carriers

For ½" to 6" conduit.

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



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

Power Saver™ Line Packages

For ½" to 1" conduit.

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



Part #	Qty	Description	Length	Color	Breaking Strength	Weight
LP2150	50/bx	Power Saver™ Line Package for ½" conduit	150'	Red	17 lbs	.8 lb
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'	100 lbs	2.5 lbs
LP1722	6/bx	Heavy-duty Bulk Nylon Line	2200'	90 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
PL102	Poly-Twine™ Pull Line	6500'	190 lbs	1/8"	Yellow	13 lbs
PL102B	Poly-Twine™ Pull Line in bucket	6500'	190 lbs	1/8"	Yellow	14 lbs
PL232B	Poly-Pull™ Line in bucket	6500'	210 lbs	1/8"	Blue tracer	11 lbs
PL235	Poly-Pull™ Line in dispenser box	2200'	500 lbs	3/16"	Red tracer	15 lbs
PL235B	Poly-Pull™ Line in bucket	2200'	500 lbs	3/16"	Red tracer	16 lbs

Conduit Measuring Tape

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

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



Part #	Description	Dimensions	Weight
ST40	Super True Tape® Measuring Tape	2750' Roll x 1/4" wide	3.6 lbs

GB Gardner Bender **INNOVATION**

GB EXCLUSIVE! UpperHand™ Fish Tape

GB'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.

- Exclusive Ergonomic Handle reduces wrist strain.
- Exclusive Comfort Formed Grip reduces forearm strain.
- Exclusive cushioned Rubber Hand Grips for ease of operation and comfort (certain models).
- Impact Modified Handle and Housing that exceeds the 25 ft drop-test.
- Plated Steel Wire resists corrosion (certain models).



Patented

A Tape for Every Job



Standard Carbon Steel
Tried-and-true, tough and economical solution for wire pulling.



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



Non-Conductive Fiberglass Core with Nylon Jacket
Exclusive non-conductive tip and unique flat shape is easier to feed yet able to pull up to 500 lbs.

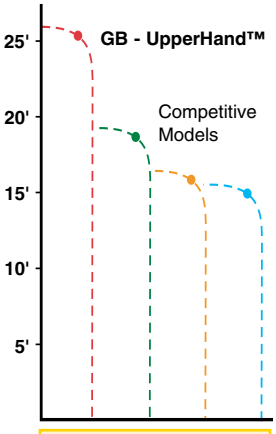
SEE PG 77 FOR MORE INFO ON Fish Tape Winder

Five Year Warranty



	FTN-100R	FTS-65R	FTS-125R	FTS-250R
Tape Length	100'	65'	125'	250'
Tape Material	Fiberglass Core w/ Nylon Jacket	Corrosion-Resistant Plated Carbon Steel		
Pkg Qty	1/card	1/card	1/card	1/card
Handle / Housing Material	Nylon / ABS w/ rubber grips	Nylon / ABS w/ rubber grips	Nylon / ABS w/ rubber grips	Nylon / ABS w/ rubber grips
Tape Dimensions	TBD	TBD	TBD	TBD
Weight	2.99 lbs	3.0 lbs	5.2 lbs	8.2 lbs
Internal / External Ring Dia.	5½" / 12"	4" / 8½"	5½" / 12"	5½" / 12"

Drop Test Results



Tested to withstand a 25' drop





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

GB INNOVATION

GB EXCLUSIVE! UpperHand™ Rewind™ Fish Tape Winder

New UpperHand™ Rewind™ Fish Tape Winder is GB's new two-piece winding solution that is easier to use than any other manual winding system available. The Rewind™ works on all 100', 125' and 250' UpperHand™ fish tapes.

- Designed exclusively for UpperHand™ fish tapes.
- Molded tabs Snap into the UpperHand™ housing to firmly secure.
- ⅜" Drive Socket fits standard ratchet.
- Over-molded Rubber Hand Grip on Ratchet. improves operation and comfort.
- High-Impact ABS Construction withstands drops of greater than 25'.
- Fits the following UpperHand™ Fish Tape models:
  - FTS-125R - FTS-250 - FTN-100R



Patented

SEE PG 76 FOR MORE INFO ON UpperHand™ Fish Tapes



Attaches Easily
No tools are needed – just turn the handle and snap into place. No other winder is as easy to use!

Reduces Strain/Improves Productivity
Efficient ratcheting feature saves arm movements – and time on the job.

Keeps Tape Smooth
Easy, steady retrieval maintains tape's original shape for long-lasting use.

Part #	Pkg Qty	Description
FTW-10	1/card	Rewind™ Fish Tape Winder

Cable Snake™ Steel Fish Tape

Rugged, ergonomically-designed steel fish tape.

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



Patented

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

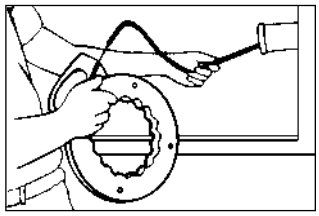
Streamline™ Steel Fish Tape



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.

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



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.



Patented

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



Standard fish tape used for conduit
High memory tape curls when extended not allowing fishing through walls



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

Replacement Fish Tape

Replacement tape FTS series.

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



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

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

Fiberline™ Non-Conductive Fiberglass Fish Tape

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

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



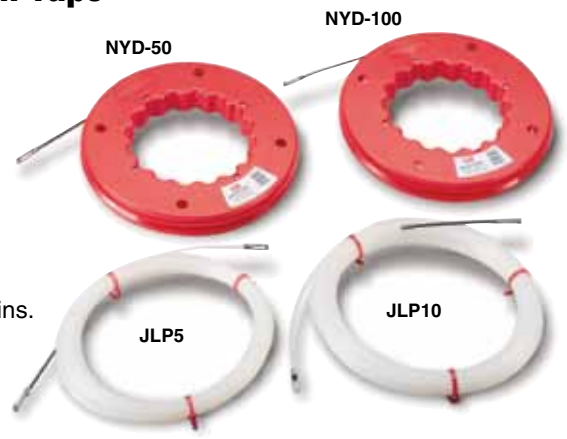
Part #	Description	Weight
FTF-200	200' FiberLine™ w/ 3⁄16" rod	18 lbs

**FTRK-20 Repair Kit Available*

Nylo-Flex™ Non-Conductive Nylon Fish Tape

Non-conductive fish tape – light and flexible.

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



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

Fish Tape Ball

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

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

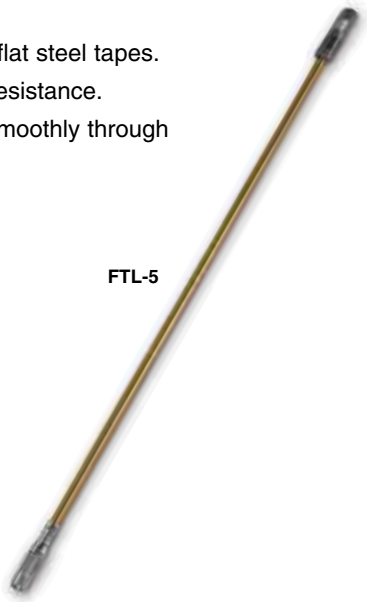


Part #	Description	Weight
FTB-10	Fish Tape Ball	.06 lb

Fish Tape Leader

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

- 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, adapts to fit ¼" tapes.



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

NEW Fish Ease™ 12' Fish Sticks

- 3 durable interlocking fiberglass rods extend up to 12'. (4' sections).
- ¼" diameter ensures rigidity when extended.
- 2 different threading tips provided for a variety of applications.



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

NEW Glo Fish™ 15' Glow in the Dark Fish Sticks

- 3 interlocking fiberglass rods extend up to 15'.
- Made from luminescent fiberglass to make fishing through walls or over ceilings easier.
- ¼" diameter ensures rigidity when extended.



Part #	Description	Dimensions	Weight
FTX-15GL	Glo Fish™ 15' Fish Sticks	(3) 4' sections x ¼"	1 lb

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

NEW Mini-Brutus™ Cable Puller

Gardner Bender introduces the new Mini-Brutus™ 2,000 pound pulling system. With the PT2000M power drive, the CP2000M is an all-in-one light to medium duty cable puller. When removed, the power drive can also be used as a pipe threader (adapters not provided). Durable square tubular steel frame construction prevents buckling and the welded steel base improves stability. Multi-position adjustable arm increases versatility and allows cable pulls from any direction. Self-contained, compact design sets up in minutes and is perfect for pulls in small panels or tight locations.



- Rated for pulls up to 2,000 pounds.
- Self-contained design for quick setup and takedown.
- Adjustable arm fully extends to 70".
- Extended height to 9' 8" for convenience.
- 44" x 13½" x 18" collapsible frame for portability and easy storage.
- 5½" wheels to improve jobsite portability.
- Pulls loads up to 18' per minute to avoid wire installation damage.
- Two-part urethane baked-on paint to resist chipping and rust.
- Metal case provided for Power Drive and components.

Part #	Description
CP2000	Mini-Brutus™ Cable Puller Frame
CP2000M	Mini-Brutus™ Cable Puller w/ Motor & Components
PT2000M	Power Drive Kit for CP2000 & CP2000M



Stored Position (CP2000)



CP2000M Includes:

Part #	Description
CP2000	Mini-Brutus™ Cable Puller Frame
PT2000M	Power Drive Kit







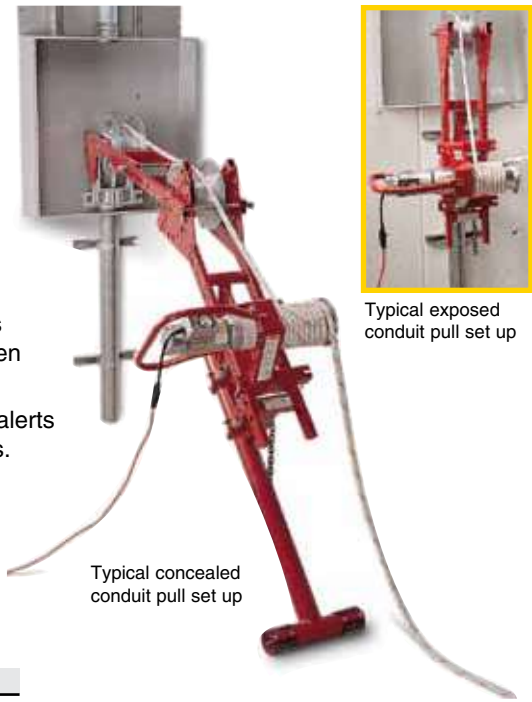
PT2000M



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.



Typical concealed conduit pull set up

Typical exposed conduit pull set up

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

CP8000 Includes:

Part #	Qty	Description	Weight	I.D. #
CP800	1	Power Head	60 lbs	1
CP503	3	2' Chain Assembly	3 lbs	4
CP505	5	8" Lock Pins	7 lbs	5
CP601	1	Conduit Frame Adapter	55 lbs	6
S-8512	3	12" Sheave	7 lbs	7
CP622	3	10" Lock Pins	3 lbs	8
CP631	1	Boom Extension	18 lbs	9
CP701	1	Puller Base Extension	25 lbs	10
CP702	1	Coupling Clamp	8 lbs	11
CP703	1	Adjustable Pipe Adapter	22 lbs	12
CP706	1	3" Conduit Coupling	5 lbs	13
CP707	1	3½" Conduit Coupling	4 lbs	14
CP708	1	4" Conduit Coupling	3 lbs	15
CP709	1	6" Lock Pin	2 lbs	16
HS-8512	1	12" Cable Sheave with Hook	20 lbs	17
CM20	1	Metal Case with CM44 Casters	133 lbs	18



CP8000

CP8000D Includes:

Part #	Qty	Description	Weight	I.D. #
CP800	1	Power Head	60 lbs	1
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
CM20	1	Metal Case with CM44 Casters	133 lbs	18

CP8001 Includes:

Part #	Qty	Description	Weight	I.D. #
CP800	1	Power Head	60 lbs	1
CP80*	1	Floor Mount Kit (on following page)	33 lbs	3

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

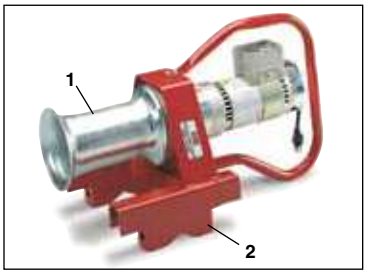


Brutus™ Powered Puller Sub-Assembly Kits

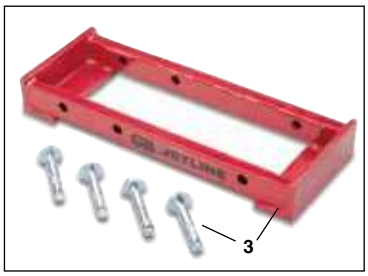
May be purchased as additions to existing cable-puller sets.

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

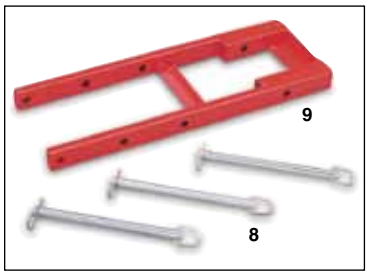
**Complete with 4¾"x 5½"concrete wedge anchors.*



CP800



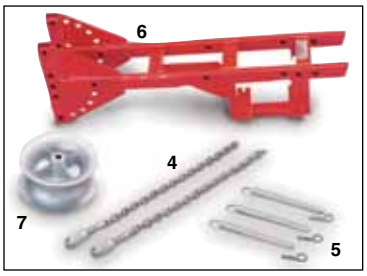
CP80



CP630



CP700



CP600

Optional Equipment

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

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





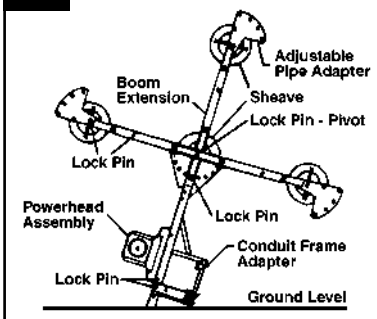
tip: For maximum performance and safety, use only original GB® rope.

SEE PG **93** FOR MORE INFO ON **Rope**

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

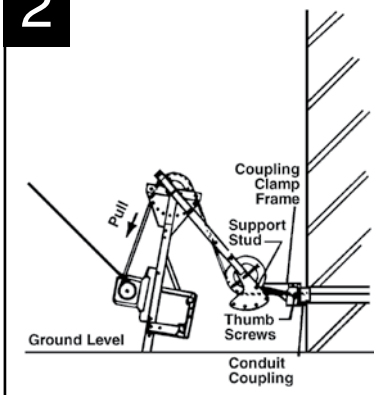
Brutus™ Puller Application Instructions

1



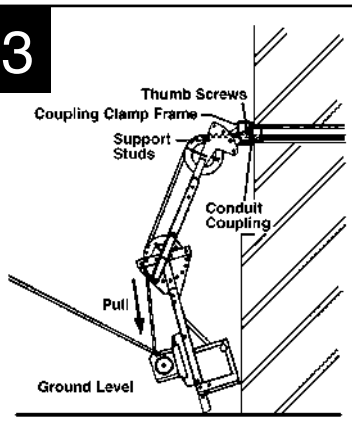
Different positions

2



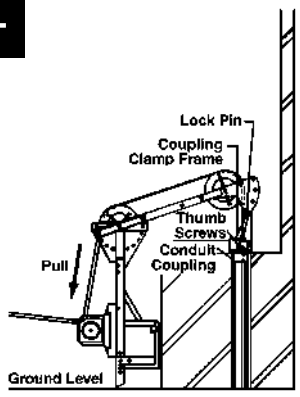
Pulling horizontally

3



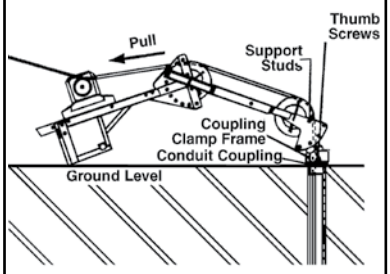
Puller suspended using horizontal pull

4



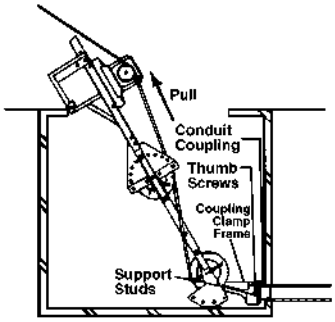
Puller suspended using vertical pull

5



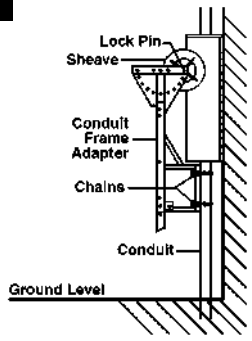
Vertical–pulling up

6



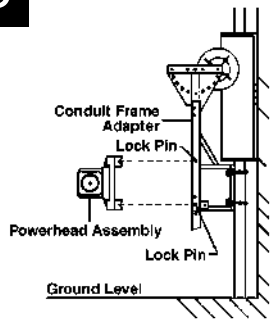
Underground pulling

7



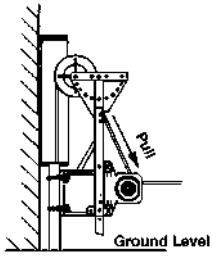
Conduit frame adapter with sheave chained to exposed conduit

8



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

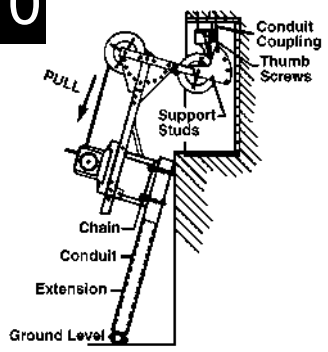
9



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

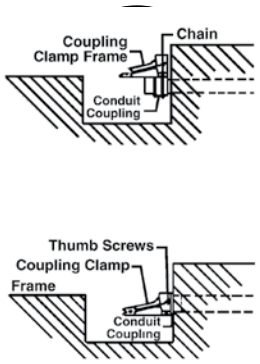
Brutus™ Puller Application Instructions

10



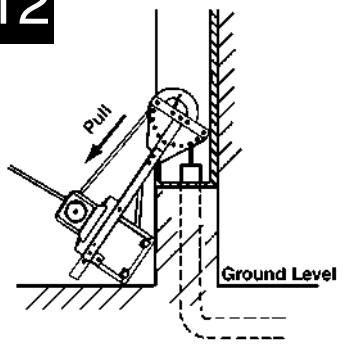
Conduit frame adapter chained to conduit (over the extension resting on floor) pulling down

11



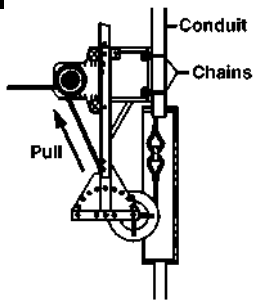
Coupling threaded onto conduit. Coupling clamp locked to coupling with two thumb screws

12



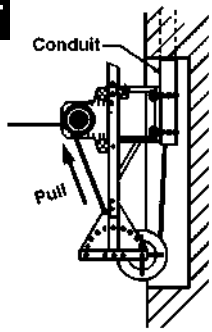
Conduit frame adapter resting on floor and on back of box – pulling up

13



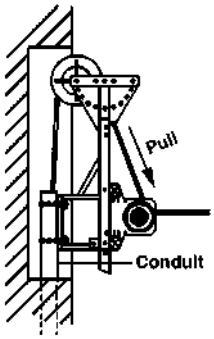
Conduit frame adapter chained to exposed conduit – pulling down

14



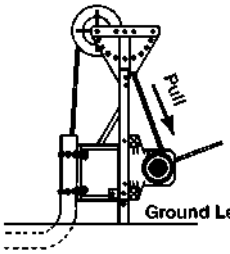
Downward pull – conduit frame adapter chained to conduit extension

15



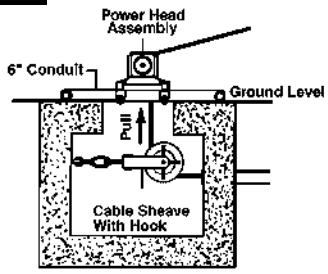
Upward pull – conduit frame adapter chained to conduit extension

16



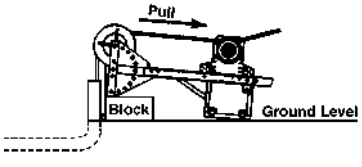
Conduit frame adapter chained to conduit – pulling up

17



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

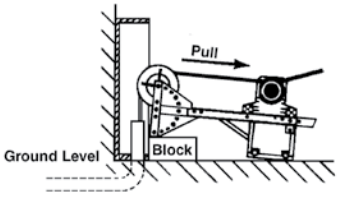
18



Resting conduit frame adapter on floor over conduit and pulling up

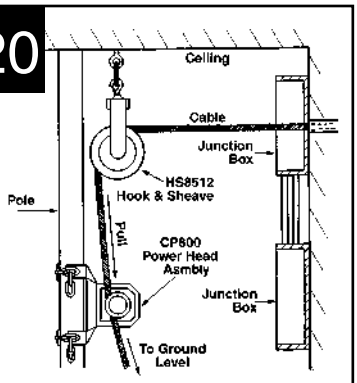
Brutus™ Puller Application Instructions

19



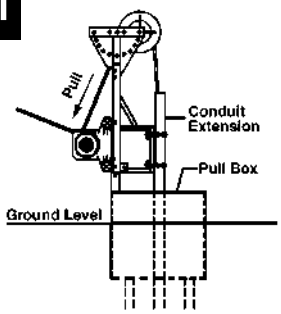
Resting conduit frame adapter on floor and blocks over conduit and pulling up

20



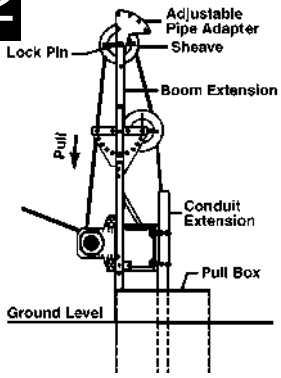
Pulling additional cable from junction box (1) down to junction box (2) using cable sheave with hook and power head assembly chained to pole

21



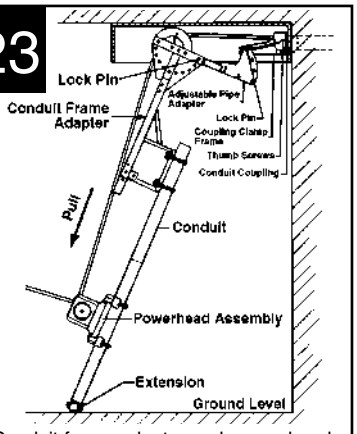
Conduit frame adapter chained to conduit extension in pull box – pulling vertically from underground

22



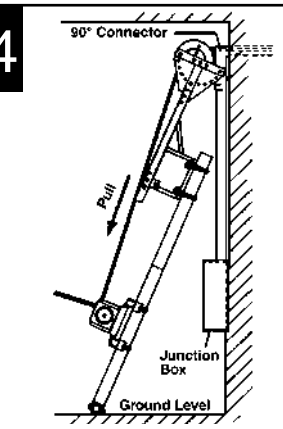
Use boom extension to obtain extra cable length for splicing

23



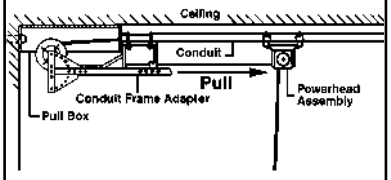
Conduit frame adapter and power head assembly chained to conduit (over extension) pulling down from box on ceiling

24



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

25



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

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

NEW Ultra Brutus™ Cable Puller

Leading the heavy-duty class, the new 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.

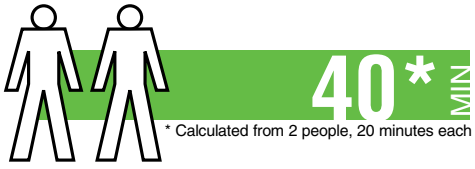
Engineered for heavy-duty use on commercial, industrial and utility electrical jobsites, the Ultra Brutus™ stands out from the crowd with its one-person, 2-minute set-up. Unlike any other cable puller, the Ultra Brutus™ comes fully assembled from the factory and can be completely set-up by one person. This set-up and tear down takes one-tenth of the time that competitive pullers require.



Patent Pending



The Other Brand



The Gardner Bender Ultra Brutus™ 10,000 lb. Puller has an innovative design that features a 1 person set-up in under 2 minutes!

Part #	Description	Weight	Recommended Rope	Pulling Force	Motor
CP10K	Ultra Brutus™ Cable Puller	385 lbs	RST-7830/ RST-7860	10,000 lbs	1.7 Hp

MADE IN USA

Fast 1 person set-up

1



Pump main boom to 30°

2



Flip booms into position and lock



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

3



Align with conduit, properly adjust booms

4



Place in conduit



A



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

B



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

C



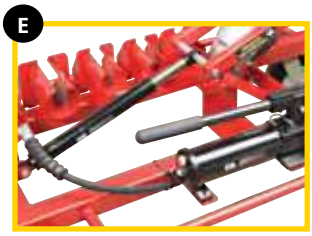
Quick toolless angle adjustment
- Spring loaded pin reduces risk of loss
- Faster positioning saves time
- Adjusts up to 300°

D



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

E



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

F



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

G



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



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

NEW Junior Basket-Type Pulling Grips

- 340–820 lbs maximum rated capacity
- Ideal for small job requirements
- Single weave of galvanized steel mesh
- For use in conduit or cable tray
- Flexible pulling eye
- Light duty pulling (80–780 lbs)



Part #	Description	Max Rated Capacity (lbs)
PGJ-025	.25–.36" (6.4–9.1 mm)	340
PGJ-037	.37–.49" (9.4–12.4 mm)	340
PGJ-050	.50–.61" (12.7–15.5 mm)	340
PGJ-062	.62–.74" (15.7–18.8 mm)	560
PGJ-075	.75–.99" (19.1–25.1 mm)	820
PGJ-100	1.00–1.24" (25.4–31.5 mm)	820

NEW T-Basket-Type Pulling Grips

- 1,360–6,200 lbs maximum rated capacity
- Ideal for medium-duty applications
- Double weave of galvanized steel mesh
- For use in conduit, tray, overhead, or underground
- Flexible pulling eye
- Medium duty pulling, standard mesh length (1,360–6,200 lbs)



Part #	Description	Max Rated Capacity (lbs)
PGT-075	.75–.99" (19.1–25.1 mm)	1,360
PGT-100	.75–.99" (19.1–25.1 mm)	1,360
PGT-150	.75–.99" (19.1–25.1 mm)	3,280
PGT-200	.75–.99" (19.1–25.1 mm)	3,700
PGT-250	2.50–2.99" (63.5–75.9 mm)	4,900
PGT-300	3.00–3.49" (76.2–88.6 mm)	4,900
PGT-350	3.50–3.99" (88.9–101.3 mm)	6,200

NEW T-Basket-Type Pulling Grips (short mesh length)

- 900–6,200 lbs maximum rated capacity
- Ideal for medium-duty applications
- Double weave of galvanized steel mesh
- For use in conduit, tray, overhead, or underground
- Flexible pulling eye
- Medium duty pulling, short mesh length (900–6,200 lbs)



Part #	Description	Max Rated Capacity (lbs)
PGTS-050	.50–.61" (12.7–15.5 mm)	900
PGTS-062	.62–.74" (15.7–18.8 mm)	1,120
PGTS-075	.75–.99" (19.1–25.1 mm)	1,360
PGTS-100	1.00–1.49" (25.4–37.8 mm)	1,920
PGTS-150	1.50–1.99" (38.1–50.0 mm)	3,280
PGTS-200	2.00–2.49" (50.8–63.2 mm)	3,700
PGTS-250	2.50–2.99" (63.5–75.9 mm)	4,900
PGTS-300	3.00–3.49" (76.2–88.6 mm)	4,900
PGTS-350	3.50–3.99" (88.9–101.3 mm)	6,200

NEW K-Basket-Type Pulling Grips

- 1,120–9,600 lbs maximum rated capacity
- Ideal for long, heady-duty cable pulls
- Double weave of galvanized steel mesh
- For use in conduit, tray, overhead, or underground
- Forged steel compact rotating eye
- Heavy duty pulling, long runs, swivel head (1,120–9,600 lbs)



Part #	Description	Max Rated Capacity (lbs)
PGK-050	.50–.61" (12.7–15.5 mm)	1,120
PGK-062	.62–.74" (15.7–18.8 mm)	1,360
PGK-075	.75–.99" (19.1–25.1 mm)	1,920
PGK-100	1.00–1.49" (25.4–37.8 mm)	3,280
PGK-150	1.50–1.99" (38.1–50.0 mm)	3,280
PGK-200	2.00–2.49" (50.8–63.2 mm)	5,440
PGK-250	2.50–2.99" (63.5–75.9 mm)	6,600
PGK-300	3.00–3.49" (76.2–88.6 mm)	8,200
PGK-350	3.50–3.99" (88.9–101.3 mm)	9,600
PGK-400	4.00–4.49" (101.6–114.0 mm)	9,600

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.



HS-8512 HS-8518 HS-8524

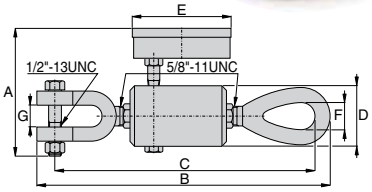
Part #	Description	Width	Dia.	Weight	Hook Only	Weight	Sheave Only	Weight
HS-8512	Hook Sheave	5"	12"	20 lbs	H-8512	13 lbs	S-8512	7 lbs
HS-8518	Hook Sheave	5"	18"	30 lbs	H-8518	20 lbs	S-8518	10 lbs
HS-8524	Hook Sheave	5"	24"	43 lbs	H-8524	29 lbs	S-8524	14 lbs

Wire & Cable-Pulling Tension Meter

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

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





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

Wire-Aide™ Wire-Pulling Lubricant

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

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

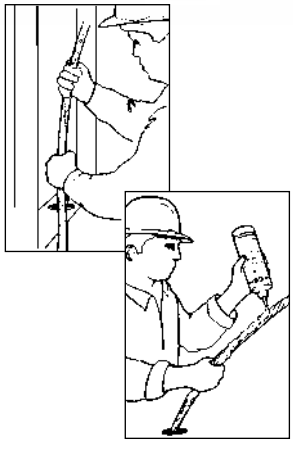


79-006 79-003 79-002

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

Wire-Aide™ Specifications

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



Poly-Gel™ Cable-Pulling Lubricant

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

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



79-201 79-203 79-202

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

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

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

Super-Slick™ Cable-Pulling Lubricant

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

- Lowest pulling tension. This GB® lubricant innovation combines a lubricating agent with microbeads that act as miniature ball bearings to raise the cable off the conduit surface. Cable literally rolls through the run, reducing friction by an additional 30% compared to regular lubricants.
- Adheres throughout long pulls. Creates a slick film that will not rub off or dry out on long pulls or re-pulls.
- Requires up to 45% less lubricant per foot than regular lubricants, actually reducing cable-pulling costs.
- Stable under temperature extremes of 28 °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.

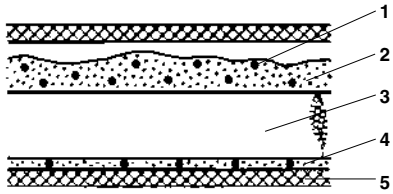


79-401 79-403 79-402

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

Super-Slick™ Specifications

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



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

Super Tuff-Pull™ Double Braided Rope

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

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



Part #	Size	Working Load*	Weight
RST-5030	½" x 300'	3,500 lbs	30 lbs
RST-5060	½" x 600'	3,500 lbs	61 lbs
RST-7530**	¾" x 300'	8,000 lbs	54 lbs
RST-7560**	¾" x 600'	8,000 lbs	109 lbs
RST-7830***	⅞" x 300'	10,000 lbs	97 lbs
RST-7860***	⅞" x 600'	10,000 lbs	202 lbs

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

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

**** Preferred for Ultra Brutus™ 10,000-lb Cable Puller.*





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

Tuff-Pull™ Single Braided Rope



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

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

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

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

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

Keep rope away from chemical contact or fumes.

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





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

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
RGP-5060	½" x 600'	420 lbs	37 lbs
RGP-50120	½" x 1200'	420 lbs	66 lbs
RGP-7530	¾" x 300'	850 lbs	44 lbs
RGP-7560	¾" x 600'	850 lbs	81 lbs

⚠ WARNING

Not recommended for powered cable pulling.

Rope Selection

1. Select the proper rope for the job.

⚠CAUTION

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

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



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

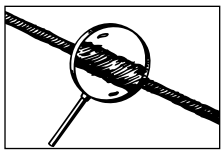


tip: Polyester ropes such as Tuff-Pull™ and Super Tuff-Pull™ are preferred for cable pulling because of their low elasticity, high strength and endurance.

2. Inspect the rope thoroughly before each use.

⚠CAUTION

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



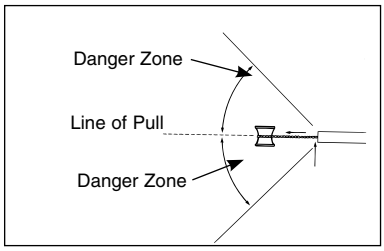
Rope Usage

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

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

⚠WARNING

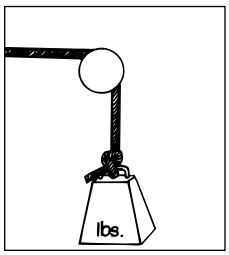
All synthetic rope under load will recoil if it, or a fitting (chain, hook, bolt, etc.) fails. The snap-back action will propel the rope - and any still attached metal fittings – at high speed. Serious injury to persons or property in the vicinity is possible.



3. Do not overload the rope.

⚠CAUTION

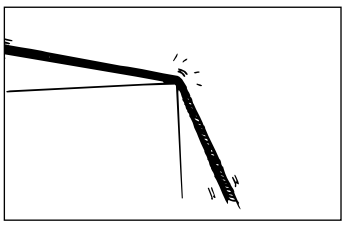
Handle loads slowly and smoothly to avoid sudden strains or shock loads which can exceed the rope's breaking strength. Such dynamic loading occurs when a load is picked up, stopped, moved or swung and may subject the rope to two or three times its normal working load.



4. Avoid abrasive conditions.

⚠CAUTION

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

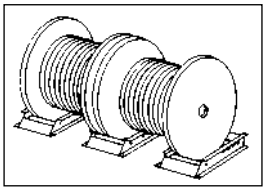


Handy-Saver™ Reel Roller



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.



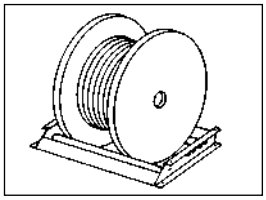
Part #	Description	Weight
WRR-100	Handy-Saver™ Reel Roller (1 ea.)	48 lbs

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.



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

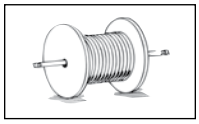
Telescoping Reel Jacks

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

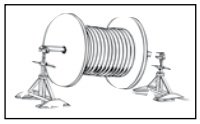
- Adjustable jack height accommodates various reel sizes.
- Roller bearings on jack permit smooth reel rotation.
- High-strength steel construction holds up to 5000-lb reel.



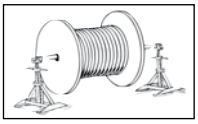
Part #	Dimensions	Jack Height Range	Reel Capacity Size	Reel Capacity Weight	Weight
TRJ-56	14½" L x 15" W	13" to 28"	28" to 56"	2500 lbs. (ea.)	25 lbs
TRJ-96	24" L x 16" W	22" to 54"	46" to 96"	2500 lbs. (ea.)	49 lbs



Insert spindle through center of reel.



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

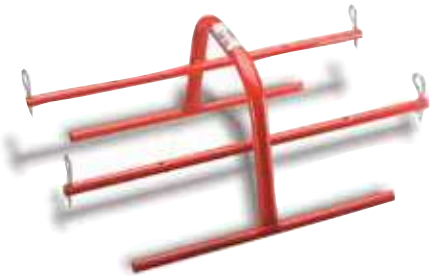


Raise opposite jack until spindle is level.

Hand 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 eight reels, each 7" diameter by 5"wide, or four reels, each 7" diameter by 6" to 10" wide.



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

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.



WSP-115

Part #	Description	Dimensions	Weight
WSP-115	Wire Caddy with Casters	16" L x 26" W x 20½" H	8 lbs

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.



WSP-140 Assembled

WSP-140 Unassembled

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

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:
  - Ten - 23 reels, each 5" - 7" diameter and 5" - 10" wide
  - Four reels, each 10" - 12" diameter, 7" wide
  - Two reels, each 15" - 18" diameter, 14" wide
- 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-144

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, Romex® and other materials from horizontal or vertical position.
- Two wire guide feeders permit wire feed in any direction.
- WSP-150 has a versatile carrying capacity. Holds four reels each 10" diameter x 15" wide, or three reels, each 12" - 14" diameter, or two reels each 12" - 15" diameter x 15" wide or one 24" diameter reel 15" wide.

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


WSP-150

Wire Dispenser

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

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

Part #	Description	Dimensions	Weight
WCM-10	Wire Dispenser	36⅜" L x 31⅜" W x 59¼" H	155 lbs



Romex® is a registered trademark of Southwire Company, Carrollton, GA

Wire Caddy Replacement Parts

- Replacement parts for Gardner Bender™ wire caddies.



WSP144050

WSP144251

WSP144253

Part #	Description	For Wire Cart:	Qty	Weight
WSP144050	Spool Caddy Bars 18" L	WSP-144, WSP-140	5	1.5 lbs
WSP144010	Hex Head Bolt	WSP-144	2	.5 lb
WSP144251	R-Clips	All Caddies	10	.5 lb
WSP144253	Wheels	WSP-144	2	5 lbs
WSP144254	Axle Caps	WSP-144	2	.5 lb
WSP1502517	Spool Caddy Bars 20" L	WSP-150, WSP-155	1	4 lbs

Portable Wire Dispenser

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



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

Romex® is a registered trademark of Southwire Company, Carrollton, GA

NOTES



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.



page 107



page 109



page 112



page 113

Slug-Out™ Knockouts
- 35 Ton Hydraulic Punch 108
- Draw Studs 110-111
- Hydraulic Slug-Out™ Sets 103-104
- Individual Components 107, 110-111
- Mechanical Slug-Out™ Sets 105-106, 112
- Notching Pliers 108
- Super Stainless Steel
  - Slug-Out™ Sets 109, 112

Stud Punch 113

Step Bits 112

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

KOF520 & KOH520A Sets Include:

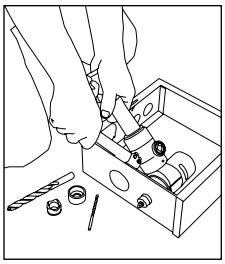
Part #	Description	Hole	Weight	I.D. #	Part #	Description	Hole	Weight	I.D. #
KP500B	½" Punch	7/8"	.4 lb	**1**	**KP2000B**	2" Punch	2 3/8"	2 lbs	**11**
KD500B	½" Die	7/8"	1 lb	**2**	**KD2000B**	2" Die	2 3/8"	2 lbs	**12**
KP750B	¾" Punch	1 3/32"	.4 lb	**3**	**PF65**	Foot Pump (KOF520 only)	–	12 lbs	**21**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

KOF540 & KOH540A Sets Include:

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

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

Slug-Out 90™ Set



½" to 2" conduit size.

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



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

Set Includes:

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

Seal Repair Kit KLP6K1

Slug-Out™ Self-Contained Hydraulic Knockout Set



½" to 2" conduit size.

- Hydraulic 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.
- Lightweight and easy to use.
- Hydraulic driver operates in any position.

Optional 2½" and 3" punch and die available.

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

Set Includes:

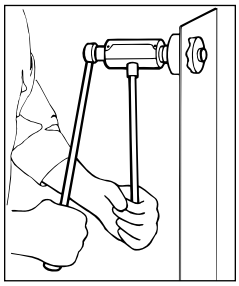
Part #	Description	Hole	Weight	I.D. #	Part #	Description	Hole	Weight	I.D. #
KP500B	½" Punch	7/8"	.4 lb	1	KD1500B	1½" Die	1 15/16"	2 lbs	10
KD500B	½" Die	7/8"	1 lb	2	KP2000B	2" Punch	2 3/8"	2 lbs	11
KP750B	¾" Punch	1 3/32"	.4 lb	3	KD2000B	2" Die	2 3/8"	2 lbs	12
KD750B	¾" Die	1 3/32"	1 lb	4	KLP2	Hydraulic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

Seal Repair Kit KLP2K1

Slug-Out™ Quick Hand Ratchet

½" to 2" conduit size.

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





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

KOR520 Set Includes:

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

Slug-Out™ Set With Ratchet Wrench

½" to 2" conduit size.

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

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

Slug-Out™ Set for 1/2" to 1¼" conduit size

Four-point design allows slug to drop automatically without splitting.

- Punches up to 10-gauge mild steel and 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 Includes:

Part #	Description	Hole	Weight	I.D. #	Part #	Description	Hole	Weight	I.D. #
KP500B	½" Punch	⅞"	.4 lb	1	KP1250B	1¼" Punch	$1^{11}/_{16}$"	2 lbs	7
KD500B	½" Die	⅞"	1 lb	2	KD1250B	1¼" Die	$1^{11}/_{16}$"	2 lbs	8
KP750B	¾" Punch	$1^{3}/_{32}$"	.4 lb	3	KSB50B	½" Bearing & Drive Screw	–	1 lb	9
KD750B	¾" Die	$1^{3}/_{32}$"	1 lb	4	KS752B	¾" - 2" Bearing & Drive Screw	–	1 lb	10
KP1000B	1" Punch	$1^{11}/_{32}$"	1 lb	5	K88004	Storage Case	–	1.5 lbs	11
KD1000B	1" Die	$1^{11}/_{32}$"	1 lb	6					

Slug-Out™ Set for 1½" to 2" conduit size

Four-point design allows slug to drop automatically without splitting.

- Punches up to 10-gauge mild steel and 12-gauge stainless steel.
- Durable storage case.



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

Set Includes:

Part #	Description	Hole	Weight	I.D. #	Part #	Description	Hole	Weight	I.D. #
KP1500B	1½" Punch	$1^{15}/_{16}$"	2 lbs	1	KD2000B	2" Die	2⅜"	2 lbs	4
KD1500B	1½" Die	$1^{15}/_{16}$"	2 lbs	2	KS752B	¾" - 2" Bearing & Drive Screw	–	1 lb	5
KP2000B	2" Punch	2⅜"	2 lbs	3	K88001	Storage Case	–	1.5 lbs	6

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.
- Punches up to 10-gauge mild steel and 12-gauge stainless steel.
- Packed in metal storage case.



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

Set Includes:

Part #	Description	Hole	Weight	I.D. #	Part #	Description	Hole	Weight	I.D. #
KP2500	2½" Punch	$2^{7}/_{8}$"	3 lbs	1	KD3500	3½" Die	4"	4 lbs	6
KD2500	2½" Die	$2^{7}/_{8}$"	3 lbs	2	KP4000	4" Punch	4½"	4 lbs	7
KP3000	3" Punch	3½"	4 lbs	3	KD4000	4" Die	4½"	4 lbs	8
KD3000	3" Die	3½"	4 lbs	4	K88008	Metal Storage Case	–	5 lbs	9
KP3500	3½" Punch	4"	4 lbs	5					

Slug-Out™ Individual Punch & Die

1/2" to 4" conduit size.

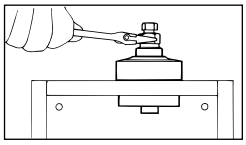
- A complete selection of 11 individual punch, die and drive screw sets from 1/2" - 4".
- Four-point design allows slug to drop automatically without splitting.
- Punches up to 10-gauge mild steel and 12-gauge stainless steel.

KOM300 Apart



KOM300 Assembled





Part #	Weight	Pipe Size	Hole Size	Punch #	Weight	Die #	Weight	Drive Screw #	Weight	Drive Nut #
KOS-500B	1.5 lbs	1/2"	7/8"	**KP500B**	.4 lb	**KD500B**	1 lb	**KSB50B**	1 lb	–
KOS-750B	1.5 lbs	3/4"	1 3/32"	**KP750B**	.4 lb	**KD750B**	1 lb	**KS752B**	1 lb	–
KOS-1000B	1.8 lbs	1"	1 11/32"	**KP1000B**	1 lb	**KD1000B**	1 lb	**KS752B**	1 lb	–
KOS-1250B	1.75 lbs	1 1/4"	1 11/16"	**KP1250B**	2 lbs	**KD1250B**	2 lbs	–	–	–
KOS-1250DS	1.8 lbs	1 1/4"	1 11/16"	**KP1250B**	2 lbs	**KD1250B**	2 lbs	**KS752B**	1 lb	–
KOS-1500B	1.8 lbs	1 1/2"	1 15/16"	**KP1500B**	2 lbs	**KD1500B**	2 lbs	–	–	–
KOS-1500DS	1.9 lbs	1 1/2"	1 15/16"	**KP1500B**	2 lbs	**KD1500B**	2 lbs	**KS752B**	1 lb	–
KOM1732	3 lbs	–	1 7/32"	**KP1732B**	.3 lb	**KD1732B**	.3 lb	**KS752B**	1 lb	–
KOM200	2 lbs	2"	2 3/8"	**KP2000B**	2 lbs	**KD2000B**	2 lbs	**KS752B**	1 lb	–
KOM250	4 lbs	2 1/2"	2 7/8"	**KP2500**	3 lbs	**KD2500**	3 lbs	**KS2530**	1.5 lbs	**KSN2530**
KOM300	5 lbs	3"	3 1/2"	**KP3000**	4 lbs	**KD3000**	4 lbs	**KS2530**	1.5 lbs	**KSN2530**
KOM350	10 lbs	3 1/2"	4"	**KP3500**	4 lbs	**KD3500**	4 lbs	**KS3540**	4 lbs	**KSN3540**
KOM400	11 lbs	4"	4 1/2"	**KP4000**	4 lbs	**KD4000**	4 lbs	**KS3540**	4 lbs	**KSN3540**
KKT316	Keyway Tool (for use with KOM1732)									

Individual Slug-Out™ Components

1/2" to 4" conduit size.

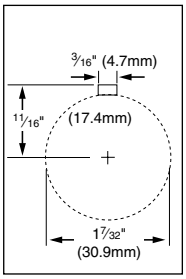
- Four-point design allows slug to drop automatically without splitting.
- Punches up to 10-gauge mild steel and 12-gauge stainless steel.



Part #	Description	Hole Size	Weight
KP500B	1/2" Punch	7/8"	.4 lb
KD500B	1/2" Die	7/8"	1 lb
KSB50B	Drive Screw for 1/2" Punch & Die	–	1 lb
KP750B	3/4" Punch	1 3/32"	.4 lb
KD750B	3/4" Die	1 3/32"	1 lb
KS752B	Drive Screw for 3/4" thru 2" Punch & Die	–	1 lb
KP1000B	1" Punch	1 11/32"	1 lb
KD1000B	1" Die	1 11/32"	1 lb
KP1250B	1 1/4" Punch	1 11/16"	2 lbs
KD1250B	1 1/4" Die	1 11/16"	2 lbs
KP1500B	1 1/2" Punch	1 15/16"	2 lbs
KD1500B	1 1/2" Die	1 15/16"	2 lbs
KP1732B	1 7/32" Punch	1 7/32"	2 lbs
KD1732B	1 7/32" Die	1 7/32"	2 lbs
KP2000B	2" Punch	2 3/8"	2 lbs
KD2000B	2" Die	2 3/8"	2 lbs
KP2500	2 1/2" Punch	2 7/8"	3 lbs
KD2500	2 1/2" Die	2 7/8"	3 lbs
KSN2530	Drive Screw for 2 1/2" & 3" Punch & Die	–	1.5 lbs
KP3000	3" Punch	3 1/2"	4 lbs
KD3000	3" Die	3 1/2"	4 lbs
KP3500	3 1/2" Punch	4"	4 lbs
KD3500	3 1/2" Die	4"	4 lbs
KSN3540	Drive Screw for 3 1/2" & 4" Punch & Die	–	4 lbs
KP4000	4" Punch	4 1/2"	4 lbs
KD4000	4" Die	4 1/2"	4 lbs

KEYWAY TOOL





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

35-Ton Hydraulic Punch



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

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

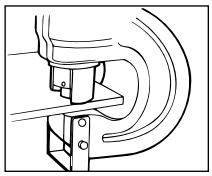
Part #	Description	Weight
SP3500	35-ton Steel Punch Set	40 lbs

Set Includes:

Part #	Description	Weight
SPD-438	⅜" Punch & Die Set	1 lb
SPD-563	½" Punch & Die Set	1 lb
SPD-688	⅝" Punch & Die Set	1 lb
SPD-813	¾" Punch & Die Set	1 lb
SPK10	Installation Kit	5 lbs

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

- PE20D Electric Pump
- HC913 6' Hose
- PH39 Manual Pump
- HC927 10' Hose
- PH80 Manual Pump



SEE PG 49 FOR MORE INFO ON Electric Pumps

SEE PG 51 FOR MORE INFO ON Manual Pumps

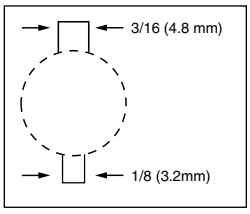
Notching Pliers

Creates clean notches for making keyways for push button switches.

- Ergonomically paddled handles for easy use.
- Accommodates up to 10-gauge mild steel.

Part #	Description	Weight
NP-1	Notching Pliers	3.3 lbs
NPR-1	Replacement Head for NP-1	1.2 lbs





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 Includes:

Part #	Description	Hole	Weight	I.D. #	Part #	Description	Hole	Weight	I.D. #
KPS500	½" Punch	7/8"	.4 lb	1	KDS1500	1½" Die	1 15/16"	2.5 lbs	10
KDS500	½" Die	7/8"	1 lb	2	KPS2000	2" Punch	2 3/8"	5 lbs	11
KPS750	¾" Punch	1 3/32"	.4 lb	3	KDS2000	2" Die	2 3/8"	4.5 lbs	12
KDS750	¾" Die	1 3/32"	1 lb	4	PH20	Hand Pump	–	5 lbs	13
KPS1000	1" Punch	1 11/32"	1 lb	5	KPR7540	Drawstud for ¾" - 2"	–	2.5 lbs	14
KDS1000	1" Die	1 11/32"	1 lb	6	KPS50	Drawstud for ½"	–	.2 lb	15
KPS1250	1¼" Punch	1 11/16"	2 lbs	7	CH1211	12 ton Hydraulic Cylinder	–	6 lbs	16
KDS1250	1¼" Die	1 11/16"	2 lbs	8	H864	6' Rubber Hose Coupler	–	2 lbs	17
KPS1500	1½" Punch	1 15/16"	3 lbs	9					

Super Stainless Steel Slug-Out™ Set

½" - 2" 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 Includes:

Part #	Description	Hole	Weight	I.D. #	Part #	Description	Hole	Weight	I.D. #
KPS500	½" Punch	7/8"	.4 lb	1	KPS1500	1½" Punch	1 15/16"	3.5 lbs	9
KDS500	½" Die	7/8"	1 lb	2	KDS1500	1½" Die	1 15/16"	2.5 lbs	10
KPS750	¾" Punch	1 3/32"	.4 lb	3	KPS2000	2" Punch	2 3/8"	5 lbs	11
KDS750	¾" Die	1 3/32"	1 lb	4	KDS2000	2" Die	2 3/8"	4.5 lbs	12
KPS1000	1" Punch	1 11/32"	1 lb	5	KPR7520	¾" - 2" Drawstud for Hydraulic Driver	–	1 lb	13
KDS1000	1" Die	1 11/32"	1 lb	6	KSA50	½" Adapter	–	.3 lb	14
KPS1250	1¼" Punch	1 11/16"	2 lbs	7	KPS50	½" Drawstud	–	.2 lb	15
KDS1250	1¼" Die	1 11/16"	2 lbs	8	K88020	Metal Case	–	4 lbs	16

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

SEE PG 104 FOR MORE INFO ON Hydraulic Drivers

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Drawstuds

Shown Actual Size



KPS50 2½" x ⅜"



KSA50 1⅜" x ¾"



KOR75125 3 3/16" x ¾"



KOR152 4¾" x ¾"



KPR7520 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"



KS2530 Stud 6" x ¾"



KSN2530 Hex Drive Nut 1½" x 1"

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 Includes:

Part #	Description	Hole	Weight	I.D. #	Part #	Description	Hole	Weight	I.D. #
KPS500	½" Punch	7/8"	.4 lb	1	KPS1250	1¼" Punch	1 11/16"	2 lbs	7
KDS500	½" Die	7/8"	1 lb	2	KDS1250	1¼" Die	1 11/16"	2 lbs	8
KPS750	¾" Punch	1 3/32"	.4 lb	3	KSB50B	Bearing and Drawstud for ½"	–	.5 lb	9
KDS750	¾" Die	1 3/32"	1 lb	4	KS752B	Bearing and Drawstud for ¾" - 2"	–	1 lb	10
KPS1000	1" Punch	1 11/32"	1 lb	5	K88007	Storage case	–	1.5 lbs	11
KDS1000	1" Die	1 11/32"	1 lb	6					

Step Bits

Drills large holes in confined spaces.

- Self-starting, self-centering drill tip. No pilot hole required.
- For accurate step-by-step drilling in sheet metals. Drills through 10-gauge mild steel or stainless steel.
- Double flute cutting action drills clean, round holes quickly and safely with minimum effort.
- Exclusive three-lobed shank for positive, non-slip grip in drill chucks.
- Made of high-speed steel for faster drilling and longer life.
- Applications include junction boxes, switch boxes, metal studs, electrical appliances, lighting fixtures and many other uses.



Part #	Sizes	Increments	No. of Sizes	Shank Size	Step Thickness	Weight
SB-205	¼" - ¾"	1/16"	9	3/8"	1/8"	1 lb
SB-207	3/16" - 7/8"	1/16"	12	3/8"	1/8"	1.3 lbs
SB-209	7/8" - 1 1/8"	–	2	1/2"	1/8"	1.5 lbs
SB-210	7/8" - 1 3/8"	1/16"	11	3/8"	1/8"	1.8 lbs

Stud Punch



Punches 1 11/32" holes for ½" 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".

Part #	Description	Weight	Punch #	Weight	Die #	Weight
SP-7	Stud Punch	6 lbs	43-52	1 lb	43-95	1 lb



GB Gardner Bender **INNOVATION**

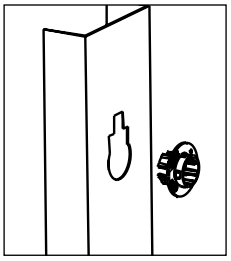
Stud Insulators



One piece design insulating 360° protection for cable runs through metal studs.

- Fits all pre-punched and field punched hole sizes and configurations.
- Unique folding tabs for fast, one-handed installations.
- Meets NEC article 300-4(b) and CEC rule 12-516.

Part #	Pkg Qty	Description
SI-25	25/bag	Metal Stud Insulators





NOTES



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.



page 118



page 123



page 127



page 129

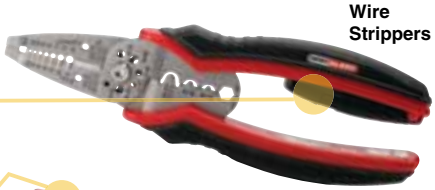
Circuit Alert® Tools
Circuit Alert® Tester 117
Circuit Alert® Knife 117
Circuit Alert® Wire Strippers 118
Circuit Alert® Work Lights 118
Circuit Alert® Pliers 119
Circuit Alert® Screwdrivers 119
Cable Rippers 123
Cutters
BX cutter 128
Ratcheting 129
PVC 129
Datacom/ VDV
Cable strippers 124
Punch-down 125
Crimpers 125
Fuse Puller 130
Knives 117, 130
Multi-tools 122
Pliers
Long Nose 126
Linemen's 127
Screwdrivers 129
Wire Strippers 120-122

CIRCUIT ALERT®

Safe & Convenient

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




Wire Strippers


Work Lights


Screwdrivers


Pliers


Electrician's Knives

BE SAFE. WORK SMART.

NEW Circuit Alert® Voltage Sensing Module

The Circuit Alert® voltage sensing module fits in a whole 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

CIRCUIT ALERT®
www.circuitalert.com




CAM-10 Pocket Clip

NEW Circuit Alert® Voltage Sensing Electrician's Knife

Rip, strip and cut with one tool.

- Durable, heavy-duty casing.
- Designed specifically for electricians.
- Blade type: industry standard.

Patented

Part #	Description
RKT-21	Circuit Alert® Electrician's Knife with stripper & NM cable ripper



SEE PG 130 FOR MORE INFO ON RK-6 Electrician's Knife

For more information, go to www.circuitalert.com

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

NEW Circuit Alert® Voltage Sensing Wire Strippers

CIRCUIT ALERT®
www.circuitalert.com

- Audible and visual alerts indicate the presence of voltage.
- Cuts and strips solid and stranded wire.
- Stainless steel body for maximum corrosion resistance.
- Ergonomic, cushioned handles 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 bolt sizes 6-32, 8-32 and 10-32.
- Wire looping holes form wire to fit on screw terminals.
- Plier nose for gripping and pulling.
- cULus listed tester.
- Durable, drop resistant construction.

Patented


GST-55M


GST-70M


GST-224M

Limited Lifetime Warranty
Patents Pending

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 & Multi Crimping Stations	7"
GST-224M	Circuit Alert® Voltage Sensing NM Cable Stripper	12/2 & 14/2 NM Cable	7½"


Wire Stripping


Volt Sensing (50-600 VAC)


Bolt Cutting and Rethreading

NEW Circuit Alert® Work Lights

Designed for electricians for maximum versatility and hands-free operation in one durable tool.

CIRCUIT ALERT®
www.circuitalert.com

- Multi-adjustable.
- Stand up base.
- Rugged design and construction.
- Batteries included.

Patented

FLT-10



Part #	Description
FLT-10	Circuit Alert® Voltage Sensing Work Light
FLT-20	Circuit Alert® Voltage Sensing Work Light

FLT-20




90° Swivel Head


Rotating Hang Hook

For more information, go to www.circuitalert.com

NEW Circuit Alert® Pliers

CIRCUIT ALERT
www.circuitalert.com

Circuit Alert® pliers combine common electrician's needs with Gardner Bender's over-molded, comfort grip.

- Crimp terminals.
- Cut wire and cable up to 10 AWG.
- Strip wire.
- Hammer head.
- Forged steel construction for long life.
- Precision hardened cutting blades

Patented

Part #	Description	Size
GPT-70	Circuit Alert® Voltage Sensing Side Cutters	7"
GPT-80	Circuit Alert® Voltage Sensing Long Nose Pliers	8"
GPT-90	Circuit Alert® Voltage Sensing Linesmens	8"

GPT-70



GPT-80



GPT-90





Testing



GPT-80 – Wire Stripping



GPT-90 – Hammer Head

NEW Circuit Alert® Screwdrivers

CIRCUIT ALERT
www.circuitalert.com

The Circuit Alert® screwdrivers deliver up to 10-in-1 bits and insulated comfort grip handles.

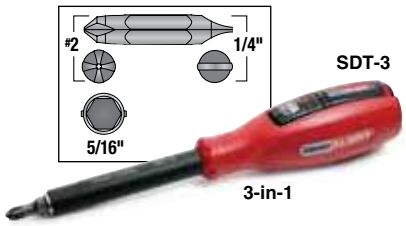
- Use with Hex-Lok® connectors.

Patented

SEE PG 9 FOR MORE INFO ON Hex-Lok® Wire Connector

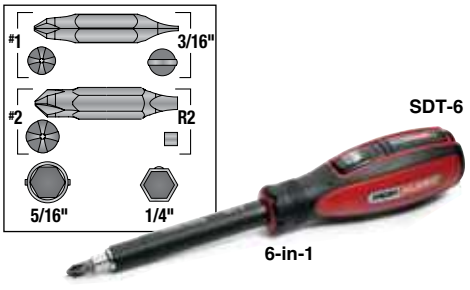
Part #	Description	Bits
SDT-3	Circuit Alert® Voltage Sensing Screwdriver 3-in-1	See diagram
SDT-6	Circuit Alert® Voltage Sensing Screwdriver 6-in-1	See diagram
SDT-10	Circuit Alert® Voltage Sensing Screwdriver 10-in-1	See diagram

SDT-3



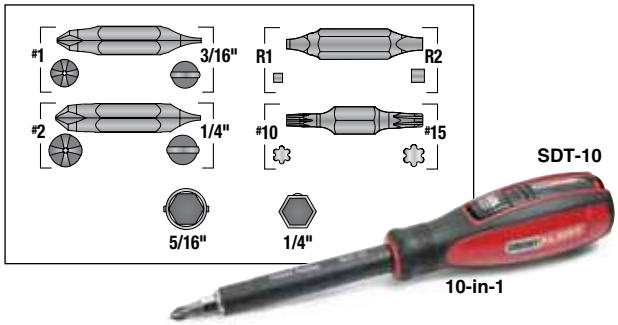
3-in-1

SDT-6



6-in-1

SDT-10



10-in-1

For more information, go to www.circuitalert.com

Wire Strippers

Comparison Chart

Feature	GS-40	GS-355	GS-360	GS-361	GES-55	GESP-55	GES-224	GESP-224	GST-70M	GST-55M	GST-224M
Voltage Sensing									✗	✗	✗
Spring Action Return	✗	✗	✗	✗	✗	✗	✗	✗		✗	✗
Pliers Nose		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Loop Hole	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Deluxe Cushion Grip				✗	✗	✗	✗	✗	✗	✗	✗
Locking Handle	✗		✗								
Wire Stripping Range											
Solid	#10 - #24	#10 - #20	#10 - #20	#16 - #30	#10 - #18	#10 - #18	#12 & #14	#12 & #14	#8 - #20	#10 - #18	#12 & #14
Stranded	#10 - #24	#10 - #20	#10 - #20	#16 - #30	#12 - #20	#12 - #20	—	—	#10 - #22	#12 - #20	—
NM Cable	—	—	—	—	—	—	14/2 & 12/2	14/2 & 12/2	—	—	14/2 & 12/2

ArmorEDGE® Wire Stripper

Strips and cuts solid and stranded wire.

- Stainless steel body for maximum corrosion resistance.
- Ergonomic, cushioned handles 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 laser-etched markings.
- Cuts and rethreads bolt sizes 6-32, 8-32 and 10-32.
- Wire looping holes form wire to fit on screw terminals.
- Plier nose for gripping and pulling.
- Limited Lifetime Warranty.
- GESP-70 crimps insulated and non-insulated terminals, crimps coaxial “F” connectors, cuts bolt sizes 4-40, 5-40, 6-32, 8-32, 10-24 and 10-32.



GES-55



GESP-55



GESP-70

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"

Limited Lifetime Warranty



12/2 and 14/2 NM Cable Stripper



10-18 AWG Wire Stripper



GES-224



GESP-224

Milwaukee Clipper™ Strippers

Strips solid or stranded wire.

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



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

Wire Strippers

Strips solid or stranded wire.

- Precision stripping stations.
- Laser-etched markings.
- Pliers nose and curved cutting blade aid in pulling and cutting wire.
- Power spring return reduces hand fatigue.
- Curved handles for added comfort.
- Looping hole forms wire to fit on screw terminal.
- Comfortable high-leverage handles.



GS-355



GS-360



GS-361

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"

Strip-Easy™ Stripper

Strips solid or stranded wire.

- Strips wires clean with one easy squeeze, up to a full 7/8".
- 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.



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

Automatic Stripper & Crimper

Strips solid or stranded wire.

- Automatic jaw-loaded wire stripper self-adjusts.
- Crimps insulated, and non-insulated terminals.
- Comfort high-leverage handles.



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

Multi-Tools

Comparison Chart

Feature	GS-365	GS-370	GESP-70
Spring Action Return	✗		
Pliers Nose	✗	✗	✗
Conduit Reamer Nose	✗		
Loop Hole	✗	✗	✗
Deluxe Cushion Grip	✗	✗	✗
Locking Handle	✗		
Cutter Blade	✗	✗	✗
Cuts & Rethreads Bolts	✗	✗	✗
Crimps Insulated Terminals	✗	✗	✗
Crimps Non-insulated Terminals	✗	✗	✗
Copper & Steel Crimp Sleeves	✗	✗	✗
Coaxial Connectors	✗	✗	✗
Wire Stripping Range	#6 - #16	#10 - #22	#10 - #22

SEE PG 120 FOR MORE INFO ON Additional Multi-Tools

Multi-Tool Stripper, Cutter & Crimper

Strips and cuts wire.

- Strips copper and aluminum wire, solid or stranded.
- Cuts and rethreads bolt sizes 4-40, 5-40, 6-32, 8-32, 10-24 and 10-32.
- Pliers nose for pulling and looping wire.
- Crimps insulated & non-insulated terminals.
- Crimps coaxial “F” connectors.
- Curved cutting blade.
- 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"

Multi-Tool Stripper, Cutter & Crimper

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

- Strips copper and aluminum wire, solid or stranded.
- Cuts and rethreads bolt sizes 4-40, 5-40, 6-32, 8-32,
- Crimps #310, 311, 410 and 411 crimp sleeves, solderless terminals and coaxial connectors.
- Pliers nose for pulling and looping wire.
- Snub nose for reaming ½" and 1" conduit.
- Precision ground-stripping stations 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 #8 - #18 AWG, Stranded	8½"

Multi-Tool Cable Strippers

Strips, crimps and cuts bolts.

- Crimps terminals.
- Strips 10-22 AWG wire.



Part #	Description	Wire Gauge	Length
GS-366	Multi-tool crimper & stripper	#10 - #22 AWG	9¼"

Romex® Strippers

Comparison Chart

Feature	CR-100	CRC-100	CR-1000	GRX-3224
Spring-Action Return				✗
Pliers Nose				✗
Loop Hole				✗
Wire Stripper			✗	✗
Locking Handle				✗
Cutter Blade			✗	✗
Cuts & Rethreads Bolts				✗
Cable Ripping Range	12/2 & 14/2 NM cable	12/2 & 14/2 NM cable	10/2 & 14/2 NM Cable	12/2 & 14/2 NM cable

SEE PG 118 FOR MORE INFO ON Additional Romex® Strippers

** See ArmorEDGE® and Circuit Alert® sections for additional Romex® / NM cable 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.
- Curved cutting blade.
- Pliers nose.
- Wire looping hole.
- Cuts and rethreads bolt sizes 6-32 and 8-32.
- Locking handle for compact storage.



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"

Cable Ripper

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

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

Part #	Description	Wire Gauge	Length
CR-100	Cable Ripper	12/2 & 14/2 NM Cable	4"
CRC-100	Curved Cable Ripper	12/2 & 14/2 NM Cable	4"
CR-1000	Premium Cable Ripper	12/2 & 14/2 NM Cable	4"



CR-100



CRC-100



CR-1000



1. Rip open cable jacket



2. Cut off cable jacket



3. Strip wire ends

Romex® is a registered trademark of Southwire Company, Carrollton, GA

Datacom Strippers

Comparison Chart

Feature	GTPS-100	GS-359	SE-98	GTPS-3200
Strips RG-58		✗	✗	
Strips RG-59		✗	✗	
Strips RG-6		✗	✗	
Strips CAT 3 Cable	✗			✗
Strips CAT 5 Cable	✗			✗
Strips Flat Telephone Wire				✗
Cutter Blade to Cut Cable		✗		✗

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.



data com **GTPS-100**



GTPS-3200

data com

Part #	Description	Wire Gauge	Length
GTPS-100	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"

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.
- Curved cutting blade.

Patented



data com

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

Coaxial Cutter & Stripper

Cuts and strips coaxial cable (RG-58, RG-59 and RG-6).

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



data com

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

Punch-Down Tools

High-impact design assures good quality terminations.

- 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.



PDT-110

data com



PDT-110LC

data com

Part #	Description	Network	Length
PDT-110	Type-110 Terminal Punch-Down Tool with Blade	Data	7½"
PDT-110LC	Non-Impact Punch-Down Tool	Data	5¾"

Replacement Blades:

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

data com



PDB-66110



PDB-110

Wire Stripper & Punchdown Tool

Cuts, strips & terminates.

- Strips: RG6, CAT3, CAT5, UTP, STP flat and round, speaker wire, flat telephone wire.
- Type 110/66 terminal punchdown.



Part #	Description	Network	Length
SPD-10L	Ergo datacom combination tool	Data	7"

RJ45 / RJ11 Modular Plug Crimp Tool

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

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



GMC-1145

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

data com

Long Nose Pliers

Long Nose Pliers

Multi-function pliers – cuts, strips and crimps.

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



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

Long Nose Pliers with Side Cutter

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

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



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

Cutting Pliers

Cutting Pliers, Box Joint

Tapered nose allows cutting in tight locations.

- Dual cutting edge and high-leverage 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.
- Comfort-grip handles.



GPS-3220



GS-386

Part #	Description	Length
GPS-3220	Cutting Pliers, Box Joint	8"
GS-386	Diagonal Cutting Pliers	6 ⅜"

Cutting Pliers, Curved Diagonal

Angled head allows cutting in tight locations.

- Dual cutting edges and high-leverage 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.
- Flared handles for added comfort.



Part #	Description	Length
GPS-3228	Cutting Pliers, Curved Diagonal	8"

Linemen's Pliers

Linemen'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"

Linemen's Pliers with Fish Tape Puller

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

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



Part #	Description	Length
GPS-3214	Linemen's Pliers w/ Fish Tape Puller	9½"

SEE PG 76 FOR MORE INFO ON Fish Tapes



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

Linemen's Pliers, Round Nose

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

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



Part #	Description	Length
GPS-3219	Linemen's Pliers, Round Nose	9¼"

Linemen's Pliers with Cutter & Crimper

High-leverage tool with crimping die and side cutters.

- Comfort-grip handles.



Part #	Description	Length
GCP-3400	Linemen's Pliers and Crimping Tool	9½"

Crimping Pliers

8" Crimping Pliers

Crimp insulated or non-insulated terminals.

- Cuts copper and aluminum wire.
- Tapered nose for cutting in tight locations.



Part #	Description	Length
GS-388	Crimping Pliers	8"

BX & Flexible Cable Cutter

Cuts BX, MC, AC, and liquid tight 3/8".

- High durability blade provides 2X normal wear characteristics.
- 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.



Extra blade storage



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

Replacement Parts:

Part #	Description	Pk
GBRX-301	Replacement Blade	3pk

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"

High-Leverage Cutters

Cuts soft copper and aluminum cable up to 1000 MCM.

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



GC-1000

GC-500

Part #	Description	Cut Size	Length
GC-500	Cable Cutter	500 MCM max	24"
GC-1000	Cable Cutter	1000 MCM max	33"

Ratcheting Cable Cutter

Cut copper and aluminum cable up to 750 MCM.

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



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

Cut-A-Way® PVC Conduit Cutter

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

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



GPC-200



GKC-100A

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

Insulated Screwdriver Set



			Set Contains:	
Part #	**Description**	**Length**	**Qty**	**Description**
SCE-3262	Insulated Screwdriver Set, 2 pc.	8"	1	No. 2 Phillips® tip
			1	3/16" Slotted tip

Reversible Insulated Screwdriver

Reversible tip combines two tools into one.

- Molded shaft insulation provides secondary protection against accidental electrical shock.
- Ergonomic grip is engineered for maximum torque with minimum effort.

SEE PG 119 FOR MORE INFO ON Circuit Alert® Screwdrivers



Part #	Description	Reverse from	Reverses to
SCE-3260	Insulated Screwdriver, Reversible tip	No. 2 Phillips®	3/16" Slotted

Triple Tap

Three-in-one tapping tool designed for electrical work.

- Cleans and rethreads holes.
- Made of top-grade steel.



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

Fuse Puller

Part #	Description	Fuse Size	Length
FPE-20	Fuse Puller	0-200A/250V and 0-100A/600V	8"



Electrician's Knife

Rip, strip, and cut with one tool.

- Reversible blade for longer life.
- Quick blade change.
- Wire stripper.
- NM cable ripper.
- Storage area in handle for spare blades.
- Includes three replacement blades.

Patent Pending

Part #	Description
RK-6	Electrician's Knife, 6"





Cable Ripper



Wire Stripper

SEE PG 117



FOR MORE INFO ON Circuit Alert® Knife

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





Test Instruments

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.



page 136

page 137



page 140

page 141

Battery Tester (Analog) 142
Continuity Tester
Heavy-Duty 135
Multimeters - Analog
Analog Multimeters Comparison Chart 139
Five Function, 12-Range 139
Six Function, 14-Range 139
Seven Function, 19-Range 139
Multimeters - Clamp-On
Clamp-On Comparison Chart 141
AC Clamp Meter with Lockjaw 141
Auto-Ranging Digital 141
Multimeters - Digital
Digital Multimeters Comparison Chart 140
Three Function, 13-Range 140
Four Function, 14-Range 140
Seven Function, 7-Range Auto-Ranging 140
Non-Contact Voltage Testers
Non-Contact Voltage Testers
Comparison Chart 136
Circuit Alert® 136
Live-Wire™ 136
Receptacle Testers/Analyzers
Receptacle Testers/Analyzers
Comparison Chart 137
Lan Tracker™ 138
Receptacle Tester & Circuit Analyzer 137
GFCI & Circuit Analyzer 137
Voltage Testers
Voltage Testers Comparison Chart 133
6-way Circuit 134
Heavy-Duty 3-way 134
Low Voltage Twin Probe 133
Screwdriver, Voltage Probe &
Continuity Tester 134
Solenoid 135
Tester Leads 142
Tester Replacement Parts
(fuses, batteries) 143

Voltage Testers

Selection Chart

Feature	GET-3202	GET-3100	GET-3213	GET-3206	GCV-3206	GVT-392	GCT-3304	GAT-3400	GVD-3504	GVD-3505
Voltage Range										
AC Voltage	5-50V	80-250V	80-300V	120-300V	12-250V	120-480V			50-600V	12-600V
DC Voltage	5-50V	80-250V	80-300V	150-380V	12-250V	120-480V		6-12V		
Functions										
Polarity						✗				
Continuity					✗		✗			
Tracing										
Indication										
Audible									✗	✗
Visual	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Vibration						✗				
General										
Lead Length	5.5"	2"	24"	30"	30"	26"	36"	36"		
Pocket Clip	✗	✗	✗		✗		✗	✗	✗	✗
Agency Approvals	ETL	cULus	ETL	ETL	ETL	ETL			ETL	ETL
Drop Rating	6'	6'	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	150 lb	150 lb
CAT Rating	I 50V	II 300V	II 300V			III 600V			III 600V	III 600V
Warranty	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year

Low Voltage Twin Probe Circuit Tester

Tests AC/DC Voltage from 5 - 50 V AC/DC, 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*





No batteries required

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

One Year Warranty

Twin Probe Circuit Tester

Tests AC/DC Voltage from 80-250 V AC/DC.

- 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*





No batteries required

Part #	Description
GET-3100	Twin Probe Circuit Tester

One Year Warranty

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Heavy-Duty 3-way Voltage Tester

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

One Year Warranty · CAT II 300V

6-Way Circuit Tester

Tests AC Voltage at 120, 240, 480 V and DC Voltage at 150, 300 and 500 V.

- 30" test lead.
- Bright neon indicators.
- Rugged twin-probe design features heavy-duty test lead insulators.

TESTS

- ✔ *Outlets*
- ✔ *Light Fixtures*
- ✔ *Switches*
- ✔ *Circuit Breakers*
- ✔ *Motors*
- ✔ *Appliances*
- ✔ *Fuses*



Part #	Description
GET-3206	6-Way Circuit Tester

One Year Warranty

Combination Screwdriver, Voltage Probe & Continuity Tester

Tests for Continuity and 12 - 250 AC/DC Voltages.

- LED indicator glows when voltage or continuity exists.
- Operates from (2) LR-44 batteries, included.
- Convenient screwdriver tip and pocket clip.

TESTS

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







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

One Year Warranty

Solenoid Voltage Tester

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

- Dual voltage indication: solenoid vibration and neon bulb.
- Neon bulb indicates DC polarity.
- Built-in slots in probe 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.







Probes lock together to enable one handed testing of standard outlet

TESTS

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

Part #	Description
GVT-392	Solenoid Voltage Tester

One Year Warranty | CAT III 600V

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

One Year Warranty

Automotive Voltage Tester

Used to test DC Voltage in automotive applications.

- DC Voltage from 6-12 V.
- 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

One Year Warranty

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

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	1 year
Batteries (included)	1 AAA	(2) Button Cells

GB Gardner Bender INNOVATION

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.



Patented







TESTS

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

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

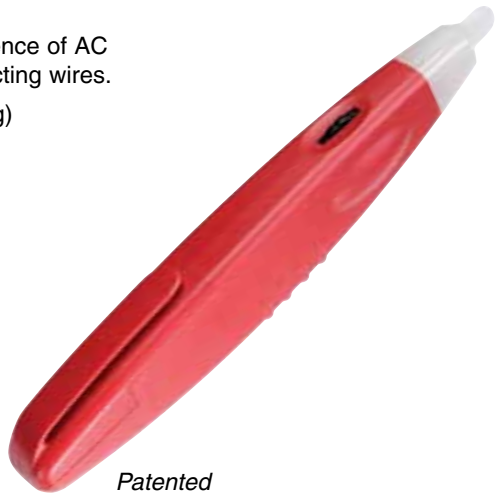
One Year Warranty | ETL | CAT III 600V

GB Gardner Bender INNOVATION

Live-Wire™

Adjustable sensitivity detects the presence of AC Voltage from 12 - 600 V without contacting wires.

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



Patented





TESTS

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

Part #	Description
GVD-3505	Live-Wire™

One Year Warranty | ETL | CAT III 600V

Receptacle Testers / Analyzers

Comparison Chart

Tests for:	GRT-3500	GFI-3501
Open Ground	✗	✗
Open Neutral	✗	✗
Open Hot	✗	✗
Hot / Ground Reversed	✗	✗
Hot / Neutral Reversed	✗	✗
Correct Wiring	✗	✗
GFCI Test Function		✗
Agency Approvals	ETL	ETL
Warranty	1 year	1 year

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 three views – top, side and bottom.





Tests standard outlets

TESTS

✔ *Standard outlets*
✔ *Extension cords*

Part #	Description
GRT-3500	Receptacle Tester & Circuit Analyzer

One Year Warranty ETL

Ground Fault Receptacle Tester & Circuit Analyzer

Tests ground fault receptacles by overloading circuit and tripping GFCI.

- Easy to use. Simply plug tester into any circuit protected by a ground fault receptacle (110 - 125 V AC) and press black button to overload circuit.
- Tests for seven conditions: ground fault interruption, open ground, open neutral, open hot, hot/ground reverse, hot/neutral reverse, and correct wiring.
- Succession of yellow and red lights provides indication of circuit status or specifies wiring errors.
- Tester trips GFCI between 6 - 9 mA.





Tests standard outlets



Tests outlets protected by GFCIs

TESTS

✔ *Standard outlets*
✔ *GFCI outlets*
✔ *Extension cords*

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

One Year Warranty ETL

GB Gardner Bender INNOVATION

Lan Tracker™ Multi-Purpose Wire Tracer

Traces any unshielded and unenergized wire or cable.

- Four transmitter plug types encased inside closeable hatch:
  - RJ-11 - Alligator Clips
  - Coax - RJ-45
- Detects unshielded wires up to 12", when using ground clip.
- Adjustable sensitivity detects wires in close proximity.
- L.E.D. intensifies as the signal gets stronger.
- Audible feature differentiates transmitter signal from other signals.
- Requires; (2) AA batteries for transmitter (included)
  (4) 1.5 V LR-44 batteries for Receiver Wand (included)



Patented

Five Year Warranty

data com

Part #	Description
GET-4220K	Lan Tracker™ Multi-Purpose Wire Tracer


Trace Coax Cable


Trace Data Cables


Trace Phone Lines


Compact Receiver

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

GMT-312



GMT-318



GMT-319



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	250 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		✗ 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	1 year	1 year

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

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


Circuit Breakers


Batteries


Back-Lit Display


Magnetic Attachment

GDT-311



GDT-3190



GDT-3200



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)			✗-40 to 1832°F
Battery Testing		✗1.5 & 9V	✗1.5V
Specifications			
Manual or Auto Ranging	Manual	Manual	Auto
Total Functions	3	4	7
Total Ranges	13	14	7
Display Count	2000	2000	2000
Low Battery Indicator	✗	✗	✗
Auto Off		✗	✗
Rubber Boot		✗	✗
Magnet Strap			✗
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	1 year	1 year

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)



One Year Warranty



One Year Warranty

Feature	GCM-500	GCM-221
Voltage Range		
AC Voltage	600V	600V
DC Voltage	60V	
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	3
Total Ranges	8	3
Display Count		1000
Data Hold	✗	✗
Jaw Size	1 1/2"	1 1/4"
Fuse	500 mA	
Accuracy	±5%	AC V: ±1.5% AC A: ±2.0% Ω : ±1.0%
General		
Agency Approval	ETL	CE
Drop Rating	3'	6'
Crush Rating	150 lb	150 lb
CAT Rating		II 600V, III 300V
Warranty	1 year	1 year

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



One Year Warranty

Analog 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	Analog Battery Tester





Movable contact arm fits multiple battery sizes

One Year Warranty

Test Leads

Replacement leads for Gardner Bender™ meters.

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

Part #	Description	Models
RTL-103	Small Test Leads	GDT-11, GDT-190
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-292A, GDT-293A, GDT-294A, GDT-295A, GCM-500, GCM-221
RTL-300*	Small Test Leads	GDT-311, GDT-3190, GDT-3200, GMT-319

**not pictured*



RTL-103



RTL-107



RTL-200



RTL-108

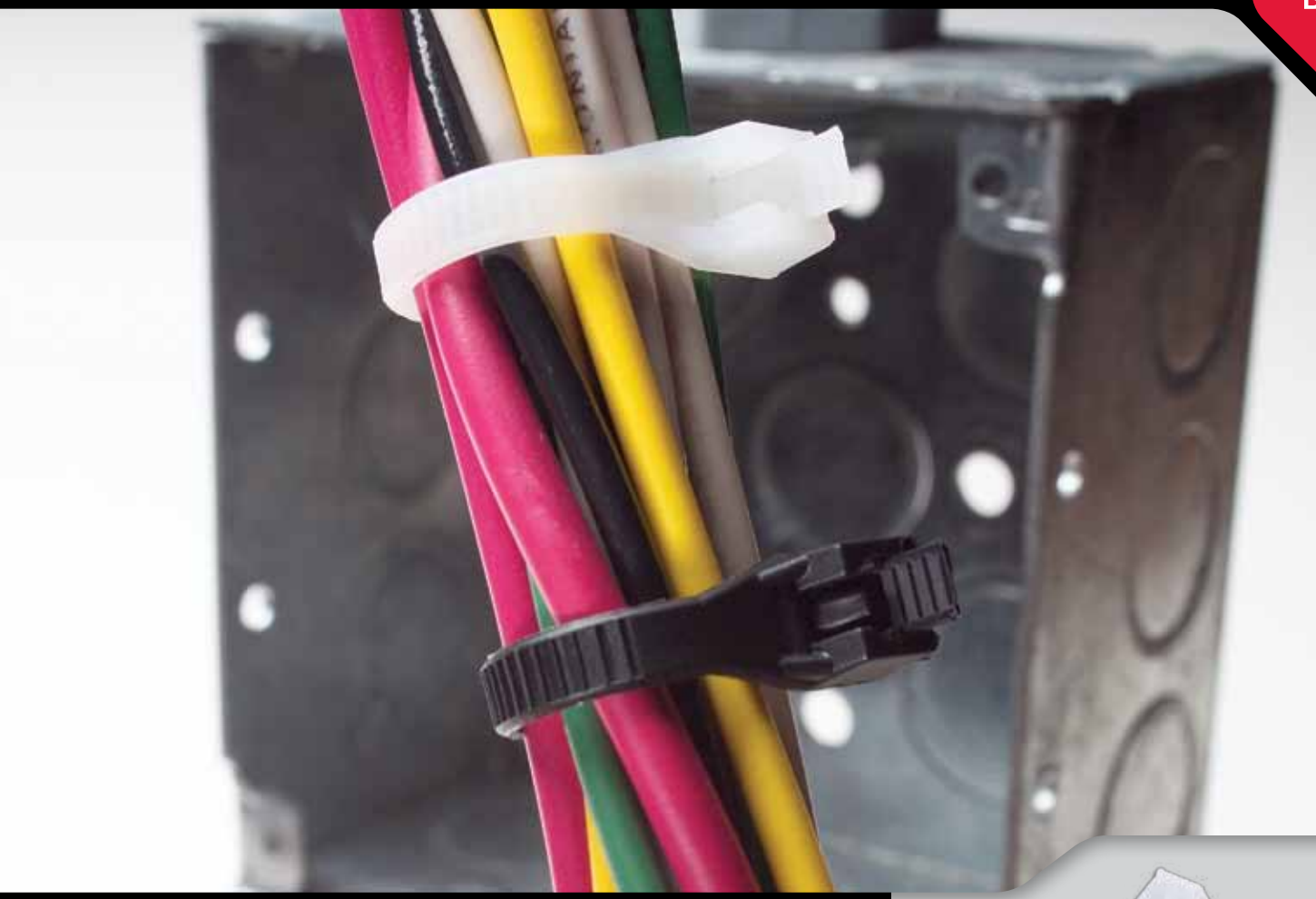
Replacement Parts and Accessories

Test Instruments

Model	FUSES: 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			✗			(1) 9 Volt
Clamp Meters						
GCM-221				✗	✗	(2) AAA
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-3206						
GET-3213						
GET-4220K						(2) AA & (4) LR44
GVD-3504						(1) AAA
GVD-3505						(2) 1.5 V LR44
GVT-392						

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

NOTES



Cable Ties

Gardner Bender™ offers a broad range of cable ties in a wide variety of materials, color, style 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 in countless other applications.



page 147
page 151
page 151
page 151

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Cable Ties

Colored 150

Grip-Strip™ Hook-and-Loop Fasteners.....151

Heavy Duty (Natural & Ultraviolet Black).....148

Miniature (Natural & Ultraviolet Black).....147

Releaseable (Natural & Ultraviolet Black).....149

Standard (Natural & Ultraviolet Black).....147

Mounting Bases and Ties

(Natural & Ultraviolet Black).....149, 151

Tensioning Tools 151

GB Gardner Bender **INNOVATION**



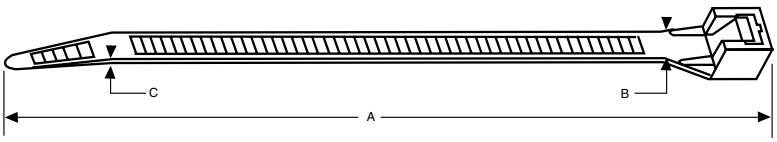
Miniature & Standard Cable Ties

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.
- Ultraviolet black (UVB) ties resist harmful light rays – primarily for outdoor use.
- Serviceable through temperatures -40 to 85 °C (-40 to 185 °F).
- UL recognized component listing E125869.
- 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.

E125869

DOUBLE LOCK™ 33% STRONGER



Miniature

Length	Color	Part #	Pkg Qty	DoubleLock®	Tensile Strength	Length A	Width B	Thickness C	Bundle Dia. Max.	UL
4"	Natural	**45-104**	40/bag	—	18 lb	4"	0.095"	0.035"	13/16"	UR
	Natural	**46-104**	100/bag	—	18 lb	4"	0.095"	0.035"	13/16"	UR
	Natural	**46-104M**	1,000/bag	—	18 lb	4"	0.095"	0.035"	13/16"	UR
	UVB	**45-104UVB**	30/bag	—	18 lb	4"	0.095"	0.035"	13/16"	UR
	UVB	**46-104UVB**	100/bag	—	18 lb	4"	0.095"	0.035"	13/16"	UR
	UVB	**46-104UVBM**	1,000/bag	—	18 lb	4"	0.095"	0.035"	13/16"	UR

Standard

Length	Color	Part #	Pkg Qty	DoubleLock®	Tensile Strength	Length A	Width B	Thickness C	Bundle Dia. Max.	UL
6"	Natural	**46-206**	100/bag	DLOCK	45 lb	6.00"	0.13"	0.055"	1 3/8"	—
	Natural	**46-206M**	1,000/bag	DLOCK	45 lb	6.00"	0.13"	0.055"	1 3/8"	—
	UVB	**46-206UVB**	100/bag	DLOCK	45 lb	6.00"	0.13"	0.055"	1 3/8"	—
8"	Natural	**45-308**	20/bag	DLOCK	75 lb	8.00"	0.17"	0.055"	2"	UR
	Natural	**46-308**	100/bag	DLOCK	75 lb	8.00"	0.17"	0.055"	2"	UR
	Natural	**46-308M**	1,000/bag	DLOCK	75 lb	8.00"	0.17"	0.055"	2"	UR
	Natural	**46-507**	500/bag	DLOCK	75 lb	8.00"	0.17"	0.055"	2"	UR
	UVB	**45-308UVB**	15/bag	DLOCK	75 lb	8.00"	0.17"	0.055"	2"	UR
	UVB	**46-308UVB**	100/bag	DLOCK	75 lb	8.00"	0.17"	0.055"	2"	UR
	UVB	**46-308UVBM**	1,000/bag	DLOCK	75 lb	8.00"	0.17"	0.055"	2"	UR
11"	Natural	**45-312**	12/bag	DLOCK	75 lb	10.90"	0.17"	0.055"	3"	UR
	Natural	**46-310**	100/bag	DLOCK	75 lb	10.90"	0.17"	0.055"	3"	UR
	Natural	**46-310M**	1,000/bag	DLOCK	75 lb	10.90"	0.17"	0.055"	3"	UR
	Natural	**46-311**	300/bag	DLOCK	75 lb	10.90"	0.17"	0.055"	3"	UR
	Natural	**46-210**	100/bag	DLOCK	45 lb	11.00"	0.13"	0.055"	3"	—
	UVB	**45-312UVB**	8/bag	DLOCK	75 lb	10.90"	0.17"	0.055"	3"	UR
	UVB	**46-210UVB**	100/bag	DLOCK	45 lb	11.00"	0.13"	0.055"	3"	—
	UVB	**46-310UVB**	100/bag	DLOCK	75 lb	10.90"	0.17"	0.055"	3"	UR
	UVB	**46-310UVBM**	1,000/bag	DLOCK	75 lb	10.90"	0.17"	0.055"	3"	UR
14"	Natural	**45-315**	8/bag	DLOCK	75 lb	13.95"	0.17"	0.055"	4"	UR
	Natural	**46-315**	100/bag	DLOCK	75 lb	13.95"	0.17"	0.055"	4"	UR
	Natural	**46-315M**	1,000/bag	DLOCK	75 lb	13.95"	0.17"	0.055"	4"	UR
	UVB	**45-315UVB**	8/bag	DLOCK	75 lb	13.95"	0.17"	0.055"	4"	UR
	UVB	**46-315UVB**	100/bag	DLOCK	75 lb	13.95"	0.17"	0.055"	4"	UR
	UVB	**46-315UVBM**	1,000/bag	DLOCK	75 lb	13.95"	0.17"	0.055"	4"	UR

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

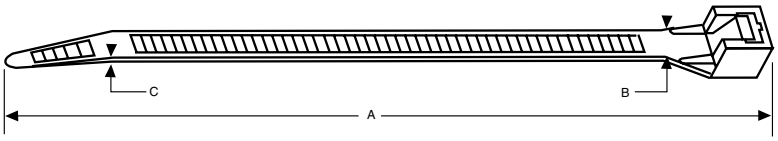


Heavy-Duty Cable Ties

Heavy-duty design offers 120 and 175 lbs of tensile strength.

- Patented DoubleLock® design (on 120 lb) ensures 50% greater tensile strength.
- Ultraviolet black (UVB) ties resist harmful light rays – primarily for outdoor use.

E125869



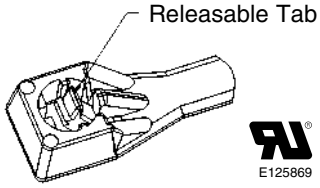
Length	Color	Part #	Pkg Qty	DoubleLock®	Tensile Strength	Length A	Width B	Thickness C	Bundle Dia. Max.	UL
8"	Natural	**46-408**	100/bag	DLOCK	120 lb	8.00"	0.25"	.072"	2"	UR
	UVB	**46-408UVB**	100/bag	DLOCK	120 lb	8.00"	0.25"	.072"	2"	UR
12"	Natural	**46-412**	100/bag	DLOCK	120 lb	12.00"	0.25"	.072"	3"	UR
	UVB	**46-412UVB**	100/bag	DLOCK	120 lb	12.00"	0.25"	.072"	3"	UR
15"	Natural	**45-515**	10/bag	DLOCK	120 lb	15.00"	0.25"	.072"	4"	UR
	Natural	**46-415**	50/bag	DLOCK	120 lb	15.00"	0.25"	.072"	4"	UR
	UVB	**45-515UVB**	10/bag	DLOCK	120 lb	15.00"	0.25"	.072"	4"	UR
	UVB	**46-415UVB**	50/bag	DLOCK	120 lb	15.00"	0.25"	.072"	4"	UR
17"	Natural	**45-518**	10/bag	—	175 lb	17.00"	0.35"	.07"	4.90"	UR
	Natural	**46-418**	50/bag	—	175 lb	16.93"	0.35"	.07"	4.90"	UR
	UVB	**46-418UVB**	50/bag	—	175 lb	16.93"	0.35"	.07"	4.90"	UR
	UVB	**45-518UVB**	10/bag	—	175 lb	17.00"	0.35"	.07"	4.90"	UR
21"	Natural	**45-521**	10/bag	—	175 lb	20.70"	0.35"	.07"	5.5"	UR
	Natural	**46-421**	50/bag	—	175 lb	20.78"	0.35"	.07"	5.51"	UR
	UVB	**46-421UVB**	50/bag	—	175 lb	20.78"	0.35"	.07"	5.51"	UR
	UVB	**45-521UVB**	10/bag	—	175 lb	20.70"	0.35"	.07"	5.5"	UR
24"	Natural	**45-524**	10/bag	—	175 lb	23.97"	0.35"	.07"	7"	UR
	Natural	**46-424**	50/bag	—	175 lb	23.97"	0.35"	.07"	7"	UR
	UVB	**46-424UVB**	50/bag	—	175 lb	23.97"	0.35"	.07"	7"	UR
	UVB	**45-524UVB**	10/bag	—	175 lb	23.97"	0.35"	.07"	7"	UR
30"	Natural	**46-330**	25/bag	—	175 lb	30.50"	0.35"	.07"	9"	UR
	UVB	**46-330UVB**	25/bag	—	175 lb	30.50"	0.35"	.07"	9"	UR
36"	Natural	**45-536**	10/bag	—	175 lb	35.91"	0.35"	.07"	10.30"	UR
	Natural	**46-436**	50/bag	—	175 lb	35.91"	0.35"	.07"	10.30"	UR
	UVB	**45-536UVB**	10/bag	—	175 lb	35.91"	0.35"	.07"	10.30"	UR
	UVB	**46-436UVB**	50/bag	—	175 lb	35.91"	0.35"	.07"	10.30"	UR
48"	Natural	**45-548**	10/bag	—	175 lb	48.00"	0.35"	.07"	14.30"	UR
	Natural	**46-448**	50/bag	—	175 lb	48.00"	0.35"	.07"	14.30"	UR
	UVB	**45-548UVB**	10/bag	—	175 lb	48.00"	0.35"	.07"	14.30"	UR
	UVB	**46-448UVB**	50/bag	—	175 lb	48.00"	0.35"	.07"	14.30"	UR



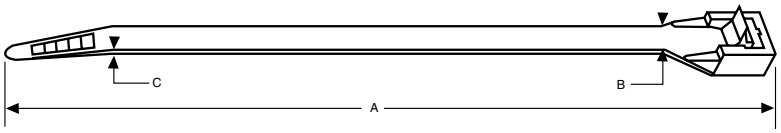
Releasable Cable Ties

Temporarily fastens wires, cables and hoses.

- Extended releasable tab in the head makes for easy release and reusability.
- Great for temporary work or where frequent servicing is required.
- Ultraviolet black (UVB) ties resist harmful light rays – primarily for outdoor use.



E125869



Length	Color	Part #	Pkg Qty	DoubleLock®	Tensile Strength	Length A	Width B	Thickness C	Bundle Dia. Max.	UL
8"	Natural	**47-108**	25/bag	—	50 lb	8.00"	0.17"	0.05"	1.75"	UR
	UVB	**47-108UVB**	25/bag	—	50 lb	8.00"	0.17"	0.05"	1.75"	UR
16"	UVB	**47-115UVB**	4/bag	—	175 lb	15.25"	0.52"	0.09"	4"	UR
22"	UVB	**47-121UVB**	3/bag	—	175 lb	21.50"	0.52"	0.09"	6"	UR
28"	UVB	**47-127UVB**	3/bag	—	175 lb	27.75"	0.52"	0.09"	8"	UR

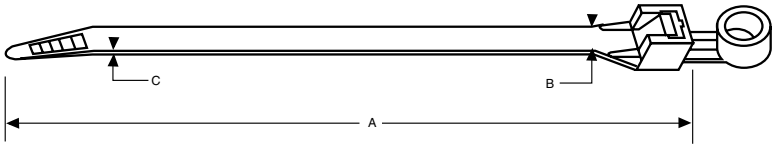


Mounting Cable Ties

Secures bundles to walls, studs or other surfaces easily.

- Accepts #10 screws.
- Ultraviolet black (UVB) ties resist harmful light rays – primarily for outdoor use.

E125869

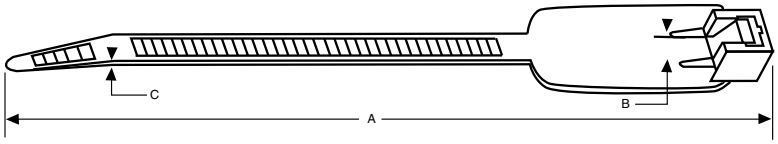


Length	Color	Part #	Pkg Qty	DoubleLock®	Tensile Strength	Length A	Width B	Thickness C	Bundle Dia. Max.	UL
8"	Natural	**45-308MT**	20/bag	—	50 lb	8.63"	0.17"	0.055"	2"	UR
	Natural	**48-308**	100/bag	—	50 lb	8.63"	0.17"	0.050"	1¾"	UR
	UVB	**45-308MTUVB**	15/bag	—	50 lb	8.63"	0.17"	0.055"	2"	UR
	UVB	**48-308UVB**	100/bag	—	50 lb	8.63"	0.17"	0.055"	1¾"	UR
14"	Natural	**48-315**	100/bag	—	50 lb	14.63"	0.17"	0.055"	4"	UR



NEW ID Cable Ties

- ID tab allows for easy identification.
- For indoor use.



Length	Color	Part #	Pkg Qty	DoubleLock®	Tensile Strength	Length A	Width B	Thickness C	Bundle Dia. Max.	UL
8"	Natural	45-308ID	25/bag	—	50 lb	8"	0.17"	0.05"	2"	—

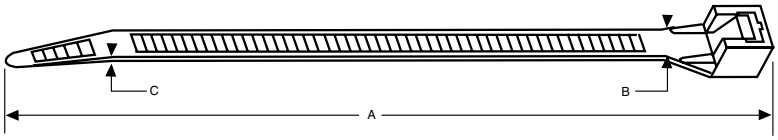


Colored Cable Ties

Colored cable ties fasten wire for easy bundle identification.

- Patented DoubleLock® design ensures 50% more tensile strength than industry standards.
- Flexible nylon material allows cable ties to remain serviceable through temperature ranges of -40 to 185 °F (-40 to 85 °C).
- Recognized under component program of UL, E125869.
- Meets flammability classification UL 94 V-2.

E125869



Length	Color	Part #	Pkg Qty	DoubleLock®	Tensile Strength	Length A	Width B	Thickness C	Bundle Dia. Max.	UL
8"	Flr Blue	45-308FB	20/bag	DLOCK	75 lb	8"	0.17"	0.055"	2"	UR
	Flr Green	45-308FG	20/bag	DLOCK	75 lb	8"	0.17"	0.055"	2"	UR
	Flr Yellow	45-308FY	20/bag	DLOCK	75 lb	8"	0.17"	0.055"	2"	UR
	Green	45-308G	20/bag	DLOCK	75 lb	8"	0.17"	0.055"	2"	UR
	Green	46-308G	100/bag	DLOCK	75 lb	8"	0.17"	0.055"	2"	UR



NEW 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.

Length	Part #	Pkg Qty	Tensile Strength	Bundle Dia. Max
6"	45-306SS	10/bag	100 lb	1.5"
11"	45-312SS	10/bag	100 lb	3.75"



Mounting Bases

- Adhesive-backed mounting bases for securing wire and cable bundles.
- Center screw hole for extra holding power.
- Molded with durable nylon 6/6 material.
- Four-sided insertion design for mounting flexibility.

Part #	Pkg Qty	Size	Fits Widths	UR	Recommended Cable Ties	Color
45-MB	5/bag	1" x 1"	.10" - .17"	UL	18 lbs to 75 lbs	Natural
45-MBUVB	5/bag	1" x 1"	.10" - .17"	UL	18 lbs to 75 lbs	Black
MB-20	100/bag	1" x 1"	.10" - .17"	UL	18 lbs to 75 lbs	Natural



Economy Cable Tie Tensioning Tool

Tightens and cuts off cable ties.

- Quick twist snaps off excess length.
- Use for all cable ties up to 75 lbs tensile strength.
- Lightweight, economical.

Part #	Description
CTT-45	Economy Cable Tie Tensioning Tool



Grip-Strip™ Hook-and-Loop Fasteners

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.

Length	Part #	Pkg Qty	Color
8"	**45-V8BK**	5/bag	Black
15"	**45-V15BK**	3/bag	Black

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

NOTES



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.



page 156



page 158



page 158



page 157

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Category 3 & 5 Data Staples.....159
Coaxial Cable Staples.....159
Conduit Straps.....158
Fiber-Insulated Staples.....160
Insulated Metal Staples.....156
Low Voltage Wire Staples.....158, 160
Masonry Staples.....159, 160
Metal Staples.....156
MultiCable Staples.....157
Plastic Staples.....157
Roofing Staples.....160
Service Entrance Staples.....157
Service Entrance Straps.....158
Staple Gun.....155

GB Gardner Bender **INNOVATION**

NEW Cable Boss® 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.

Patented



Reversible cable guide for easy cable stapling change over

Part #	Pkg Qty
MSG-501	1/clam



Size	Part #	Pkg Qty	Color	Application
5/16"	**MPS-2080**	250/box	Blue	Voice/Data: CAT 5e Speaker Wire: 16/2, 16/4, 12/2 (standard and in-wall styles) Security Wire: 18/4
3/8"	**MPS-2100**	200/box	White	Coax: RG-6 Voice/Data: CAT 6 NM Cable: 14/2, 14/3, 12/2
1/2"	**MPS-2125**	200/box	Black	Coax: RG-6 Quad Shield NM Cable: 10/2, 12/3 Structured Cabling: Siamese CAT 5e, Siamese CAT 5e and 16/4 Speaker wire

Romex® is a registered trademark of Southwire Company, Carrollton, GA

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Low-Volt Staple Gun

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



Part #	Pkg Qty
MSG-301	1/clam



Size	Part #	Pkg Qty	Application
5/32"	MMS-3101	625/box	Use with alarm, bell, intercom, security, speaker, and thermostat wires
1/4"	MMS-3102	625/box	Use with television, CAT 5e, CAT 6, RG-59, and computer wires

IMPROVED Metal Staples

Secures Romex® wire and other types of non-metallic (NM) cable.

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



Dims W x L	Part #	Pkg Qty	Application
1/2"	MS-1550	24/card	14/2, 12/2, 10/2
	MS-1555	50/card	
	MS-150	100/box	
	MS-500J	500/jar	
	MS-550	500/box	
	MS-950B	5,000/bucket	
	MS-950BU	10,000/bucket	

Dims W x L	Part #	Pkg Qty	Conductor
9/16"	MS-1575	18/card	14/3, 12/3, 10/3
	MS-1577	50/card	
	MS-175	100/box	
	MS-450J	450/jar	
	MS-575	500/box	
	MS-975B	4,000/bucket	

Insulated Metal Staples

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.



Dims W x L	Part #	Pkg Qty	Application
1/2"	MSI-1525	15/card	14/2 & 12/2 cable
	MSI-50B	50/bag	
	MSI-150	100/box	
	MSI-200J	200/jar	
	MSI-550	500/box	
	MSI-950B	4,000/bucket	

Romex® is a registered trademark of Southwire Company, Carrollton, GA

Service Entrance Staples



Secures service entrance cables.

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

Dims W x L	Part #	Pkg Qty	Application
13/16" x 1 3/8"	**GSE-15310**	10/card	SEU #6/3 with ground
	GSE-310	100/box	
1 1/8" x 1 1/2"	**GSE-15410**	10/card	4/3 and 2/3 SE cable
	GSE-410	100/box	
1 5/8" x 2 1/8"	**GSE-710**	100/box	4/0 SE, Large BX, Romex®, Greenfield

Plastic Staples





14 Gauge

Secures Romex®, UF and other types of non-metallic (NM) 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.

Size	Part #	Pkg Qty	Color	Application
1/2"	**PS-1550**	15/card	White	14/2, 12/2, 10/2
	PS-50	50/bag	White	
	PS-150	100/box	White	
	PS-150Z	100/bag	White	
	PS-150ZJ	100/jar	White	
	PS-225J	225/jar	White	
	PS-250	250/bag	White	
	PS-550	500/box	White	
	PS-750B	2,000/bucket	White	

Size	Part #	Pkg Qty	Color	Application
3/4"	**PS-1575**	15/card	White	14/3, 12/3, 10/3
	PS-75	50/bag	White	
	PS-175	100/box	White	
	PS-175Z	100/bag	White	
	PS-175ZJ	175/jar	White	
	PS-275	250/bag	White	
	PS-575	500/box	White	

GB Gardner Bender **INNOVATION**

NEW MultiCable Staples



Patented

Organizes and secures multiple cable runs on a stud.

- Secures NM/Romex®, coaxial and CAT 5 all on the same st
- 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.

Part #	Pkg Qty	Stud Type	Cable Combinations
MCS-20W	20/box	Wood/Metal	(8) NM-B Flat 14-2
MCS-100W	100/box	Wood/Metal	(8) NM-B Flat 12-2
			(4) NM-B Flat 10-2
			(2) NM-B Round 14-3
			(2) NM-B Round 12-3
			(10) RG-59
			(8) RG-6
			(10) CAT-5





Romex® is a registered trademark of Southwire Company, Carrollton, GA

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Clip-on Plastic Staples

Secures Romex®, UF and other type-NM cable.

- Fast and easy to install – both zinc-plated nails drive together.
- Hardened nails can penetrate cement block, mortar or plaster surfaces.
- Nail heads are recessed for minimum exposure.
- Smooth saddles prevent damage to cable insulation.
- UV-protected polyethylene saddle resists rot, rust and deterioration.



Size	Part #	Pkg Qty	Type	Application
½"	**PSM-1550**	25/clam	Masonry	14/2, 12/2, 10/2

Service Entrance Cable Straps

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.



SER



SEU

Part #	Pkg Qty	Application
GSE-105	5/card	#6 SEU
GSE-170	70/box	#6 SEU
GSE-205	5/card	#2 SEU
GSE-250	50/box	#2 SEU

Part #	Pkg Qty	Application
GSE-304	4/card	#2 SER
GSE-330	30/box	#2 SER
GSE-402	2/card	#4/0 SEU
GSE-505	5/card	#6 SER

Conduit Plastic Straps

Enables secure fastening of plastic electrical conduit, schedule 40 PVC, copper tubing, etc.

- Heavy-duty polyethylene resists deterioration from UV rays and breakage from extreme cold.



Size Dia.	Part #	Pkg Qty	Application
.840"	**GCC-120**	6/card	½" conduit
1.05"	**GCC-220**	20/bag	¾" conduit
1.315"	**GCC-310**	10/bag	1" conduit

Size Dia.	Part #	Pkg Qty	Application
1.66"	**GCC-410**	10/bag	1¼" conduit
1.9 "	**GCC-510**	10/bag	1½" conduit
2.375"	**GCC-610**	10/bag	2" conduit

Coaxial Cable Staples

Secures RG-59 and RG-6 coaxial cables.

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



PCC-1525



PSB-1650



PSG-15

Size	Part #	Pkg Qty	Color
¼"	**PSB-1650**	25/card	Black
	PSW-1650	25/card	White
	PSB-165	50/card	Black
	PSW-165	50/card	White
	PSB-100	100/box	Black
	PSW-100	100/card	White
	PSW-200J	200/jar	White

Size	Part #	Pkg Qty	Color
¼"	**PCC-1525**	25/clam	Black
	PCC-300	300/jar	Black
7/16"*	**PSG-15**	15/card	Gray
	PSG-100	100/box	Gray

**For RG-8, triaxial and up to 25 pairs UTP cable*

Romex® is a registered trademark of Southwire Company, Carrollton, GA

Low Voltage Plastic Staples

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.



Size	Part #	Pkg Qty	Color
3/16"	**PLT-1525**	25/clam	Tan
	PLW-1525	25/clam	White
3/16"	**PMB-1525**	25/card	Black
	PMW-100	100/box	White
	PSB-1600	25/card	Black
	PSW-1600	25/card	White
	PSB-160	100/card	Black
	PSW-160	100/card	White

Masonry Low Voltage Staples

Secures bell, speaker, thermostat and telephone wire.

- Hardened nails can penetrate cement block, mortar or plaster surfaces.
- UV-resistant polyethylene saddles will not rust, rot or deteriorate.
- Zinc-plated nails resist rust and corrosion.



Size	Part #	Pkg Qty	Color
3/16"	**PMC-1525W**	25/clam	White

Category 3 & 5 Data Staples

Secures RJ-11, RJ-12, RJ-45, Category 3 and Category 5 wire.

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



Part #	Pkg Qty	Color
PTP-25	25/clam	Blue
PTP-250J	300/jar	Blue

Masonry Category 3 & 5 Data Staples

Secures and protects RJ-11, RJ-12, RJ-45, Category 3 and Category 5 wire.

- Hardened nails can penetrate cement block, mortar or plaster surfaces.
- UV-resistant polyethylene saddles will not rust, rot or deteriorate.
- Zinc-plated nails resist rust and corrosion.



Part #	Pkg Qty	Color
PTM-25	25/clam	Blue

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Coaxial Masonry Staples

Secures RG-59 and RG-6 coaxial cables.

- Hardened nails can penetrate cement block, mortar or plaster surfaces.
- UV-Protected.



Size	Part #	Pkg Qty	Color
1/4"	PCS-1525	25/card	Black
	PCS-100	100/box	Black
	PCS-1600	25/clam	Black
	PCS-300B	300/jar	Black

Coaxial Roofing Staples

Secures RG-59 and RG-6 coaxial cables.

- Extra-long nail accommodates roofing applications.
- UV-resistant polyethylene saddles will not rust, rot or deteriorate.
- Zinc-plated nails resist rust and corrosion.



Size	Part #	Pkg Qty	Color
1/4"	PSR-25	25/card	Black

Double Coaxial Staples

Secures multiple RG-59, RG-59 quad shield, RG-6 and RG-6 quad shield wire.

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



Size	Part #	Pkg Qty	Color
1/4"	PDS-1525B	25/clam	Black

Double Coaxial Masonry Staples

Secures multiple RG-59, RG-59 quad shield, RG-6 and RG-6 quad shield wire.

- Hardened nails can penetrate cement block, mortar and plaster surfaces.
- UV-resistant polyethylene saddles will not rust, rot or deteriorate.



Size	Part #	Pkg Qty	Color
1/4"	PDC-1525B	25/clam	Black

Low Voltage Fiber Insulated Staples

Secures bell, speaker, telephone and thermostat wire.

- Insulates and protects cable.



Size	Part #	Pkg Qty	Color
1/8"	MSB-1540	40/card	Brown
	MSW-1540	40/card	White

Kwik Mount Staples

Fastens and guides wires.

- Wires easily snap in or out of two usable sides.
- Accommodates Category 5 wire.
- Use to secure holiday light sets, sound system wires, etc.



Size	Part #	Pkg Qty
7/8" x 3/16" x 1/4"	PWS-1525	25/card



Wire Management

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.

page 163



page 167



page 165





page 168

Anchor Kit - Plastic Conical 171
Box Supports/Spacers 170, 172
Cable Clamps - Plastic 167
Cable Clamps - Rubber Insulated 167
Cable Wraptor™ 163
Duct Seal Compound 169
Grommets 168
Hanger Strap 169
Heat-Shrink Gun 164
Heat-Shrink Tubing
- Thin Wall Polyolefin 165
- Colored PVC 165
- Heavy-Wall 166

Knockout Seals 168
Reference Book - “Wiring Simplified” 172
Reference Book - “Ugly’s Electrical References” ...172
Screw Kits 171
Seals 169
Spiral Wrap 166
Split Flex Tubing 166
Stud Insulators 168
Tape
- Electrical 163
- Friction 164
- Silicone Self-Sealing 164
- Liquid Electrical 164

Wire Markers - Pocket Pack 170

NEW Cable Wraptor™

Simple 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.
- Stainless steel hinge and spring to prevent rusting.
- Large teeth design for secure locking system.
- Easy release trigger.
- Cable tie looping hole for permanent attachment.
- Spring-loaded hinge helps close tail.



Patented

Part #	Pkg Qty	Bundle Dia. Max.	Size
CW-T1RR50	50/box	1⅛"	small
CW-T2RR25	25/box	2"	medium
CW-T3RR25	25/box	3"	large
CW-T4RR20	20/box	4"	x-large

CABLE WRAPTOR™







Electrical Tape

Quality electrical tape designed for general purpose electrical applications.

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





Part #	Pkg Qty	Sleeve Qty	Width	Length	Color
GTP-307	1/roll	10/sleeve	¾"	30'	Black
GTP-307D	1/card	—	¾"	30'	Black (w/Dispenser)
GTP-307WD	1/card	—	¾"	30'	Black - Weather Resistant (w/Dispenser)
GTP-607	1/roll	10/sleeve	¾"	60'	Black
GTP-607P	1/puck	—	¾"	60'	Black
GTB-667P	1/puck	—	¾"	60'	Blue
GTN-667P	1/puck	—	¾"	66'	Brown
GTO-667P	1/puck	—	¾"	66'	Orange
GTG-667P	1/puck	—	¾"	66'	Green
GTR-667P	1/puck	—	¾"	66'	Red
GTW-667P	1/puck	—	¾"	66'	White
GTY-667P	1/puck	—	¾"	66'	Yellow
GTPC-512	5/card	—	¾"	12'	Assorted (Red, White, Blue, Green, Yellow)
GTPC-550	5/clam	—	½"	20'	Assorted (Red, White, Blue, Green, Yellow)

Friction Tape

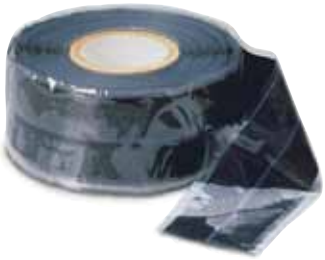


Black friction tape with matted finish, available in two lengths.

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

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

Silicone Self-Sealing Tape



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

- Insulates and seals surfaces from -65 °C to 260 °C (-85 °F to 500 °F).
- Fuses to itself in seconds to stay watertight.
- Permanent mold in 24 hours or in minutes with heat application.

Part #	Pkg Qty	Description
HTP-1010	1/roll	1" wide, 10' long

NEW Liquid Electrical 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 and electrical applications.
- Indoor/outdoor.
- Brush-on applicator included.

Part #	Pkg Qty	Color
LTB-400	4 oz/bottle	Black
LTR-400	4 oz/bottle	Red
LTG-400	4 oz/bottle	Green
LTW-400	4 oz/bottle	White
LTS-600	6 oz/spray	Black

NEW Heat Shrink Gun



- Use with heat shrink tubing or terminals.
- Refillable butane can included.

Part #	Pkg Qty
MSTR-TORCH	1/clam

Thin-Wall Heat-Shrink Tubing – Polyolefin



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

- Flame retardant.
- Resists common fluids and solvents.
- 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: -55 °C (-67 °F) - 135 °C (275 °F).
- Shrink temperature: 120 °C (250 °F) - 250 °C (480 °F).
- 600 V/Mil Dielectric strength.
- 2:1 shrink ratio.

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

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

NEW Colored Heat-Shrink Tubing – PVC

Great for general-purpose applications.

- Flame retardant.
- Meets UL 224 VW-1; CSA C22.2 No. 198.1 OFT.
- Continuous operating temperature: -30 °C (-22 °F) - 105 °C (220 °F).
- Shrink temperature: 110 °C (230 °F).





HST-101



HST-107

	Part #	Pkg Qty	Inside Diameter Before	Inside Diameter Finished	Length	Conductor Gauge AWG* 24	22	20	18	16	14	12	10	8	6	4	2	1	1/0	2/0	3/0	Color
PVC	HST-100	8'/clam	3/16"	3/32"	8'		●	●	●	●	●											Red
	HST-101	8'/clam	1/4"	1/8"	8'			●	●	●	●	●										Blue
	HST-102	8'/clam	5/16"	5/32"	8'						●	●	●	●	●							Yellow
	HST-107	(7)-3" pieces/ clam	1/8", 1/4", 3/8", 1/2"		(7)-3" pcs																	Assorted (Red, Blue, Yellow)

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

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).
- Shrink temperature: 120 °C (250 °F).

Part #	Pkg Qty	Inside Diameter		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"

Split Flex Tubing



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.

Part #	Inside Dia.	Length	Color	Pkg Qty
FLX-3810	3/8"	10'	Black	1/bag
FLX-5007	1/2"	7'	Black	1/bag
FLX-757GR	3/4"	5'	Gray	1/bag
FLX-1007	1"	5'	Gray	1/bag

Spiral Wrap



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

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

Part #	Description	Color	Includes:		
			Qty	Description	Inside Dia.
FSP-AST	Assorted	Clear	1	4' length	3/8"
			1	4' length	1/8"

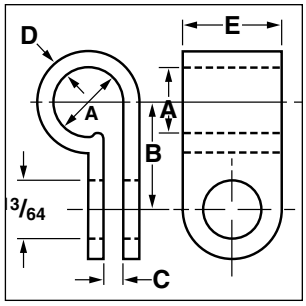
Plastic Cable Clamps



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: -54 °C (-66 °F) to 170 °C (340 °F).
- Clean, smooth edges for easy handling.
- Fast installation.

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



Rubber Insulated Clamps

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

- Corrosive-resistant plated steel clamp.
- Flexible ½" wide body.
- Secure with ¼" screw.

Part #	Size	Pkg Qty
PPR-1550	1/2"	2 pcs
PPR-1575	3/4"	2 pcs
PPR-1600	1"	1 pc



Plastic Kwik Clips

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

- Ratcheting/releasable feature allows adjustment to a range of bundle diameters.
- Adhesive backed.



Part #	Pkg Qty	Description	Color
GKK-1538	6/card	Holds 3/8" Cable	Natural
GKK-1538UVB	6/card	Holds 3/8" Cable	Black
GKK-1550	4/card	Holds 1/2" Cable	Natural
GKK-1575	2/card	Holds 3/4" Cable	Natural

GB Gardner Bender **INNOVATION**

Stud Insulators

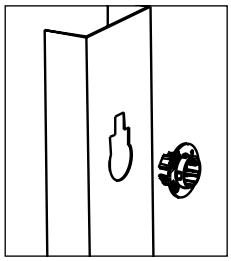
One piece design insulating 360° protection for cable runs through metal studs.

- Fits all pre-punched and field punched hole sizes and configurations.
- Unique folding tabs for fast, one-handed installations.
- Meets NEC article 300-4(b) and CEC rule 12-516.



Patented

Part #	Pkg Qty	Description
SI-25	25/bag	Metal Stud Insulators





SEE PG 113 FOR MORE INFO ON Stud Punch

Grommets

Protect wires from chafing against drilled holes.



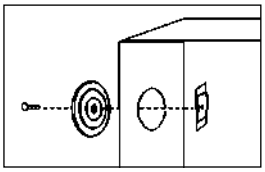
Part #	Pkg Qty	Inside Dimensions
GHG-1525	6/card	¼"
GHG-1538	5/card	⅜"
GHG-1550	4/card	½"
GHG-1575	3/card	¾"
GHG-AST	8/clam	¼", ⅜", ½", ¾"

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.





Part #	Pkg Qty	For Knockout Dia
KO701	100/box	½"
KO701C	5/clam	½"
KO702	50/box	¾"
KO702C	3/clam	¾"
KO703	25/box	1"
KO704	25/box	1¼"

Part #	Pkg Qty	For Knockout Dia
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 PG 104 FOR MORE INFO ON Hydraulic Drivers & Pull Studs

Snap-In Seals (½" to 2")

Convenient snap-in feature for quick installation.

- Zinc-plated to resist corrosion.

Part #	Pkg Qty	For Knockout Dia.
601	100/box	½"
602	100/box	¾"
603	50/box	1"



SEE PG 107 FOR MORE INFO ON Knockouts

Galvanized Hanger Strap

For hanging or fastening conduit, pipe or cables.

- Flexible for easy use.

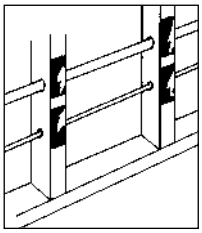


Part #	Pkg Qty	Description
GHS-1510	1/card	10' x ¾" x 20 gauge

Saf-Te-Plate™ Protectors

Protects cable and plastic pipe from nail punctures.

- Plate attaches to wood studs with a single hammer blow.
- Required for compliance with NEC 1990 Article 300-4A.





Part #	Pkg Qty	Description
FP159-3	100/box	1½" x 3" x 16 gauge Metal Safety Plate
FP159-6	50/box	1½" x 6" x 16 gauge Metal Safety Plate

Duct Seal Compound

Seals conduit openings against drafts, dust, moisture and noise.

- Protects terminal boxes, pot heads and bushings from corrosive elements.
- Deadens switch gear panel noise.
- Dough-like compound is easily “thumbed” over holes and gaps.
- Will not harden or form a skin under normal conditions.
- Not for use outdoors.
- Specifications:
  - Viscosity: ASTM D-217 300-gram load - 7.0 -11.0; ASTM DS-S2 100-gram load - 9.0 -15.0
  - Temperature Range: Adheres at -20 °F (-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.



Part #	Pkg Qty	Description
DS-130	30 pugs	1 lb Pugs
DS-530	6 pugs	5 lb Pugs

USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Pocket Pack Wire Markers



Pocket-sized booklets of cloth wire markers and matching terminal markers.

- Saves time and money during all on-site and in-plant initial hookup, troubleshooting, maintenance and repair.
- 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.

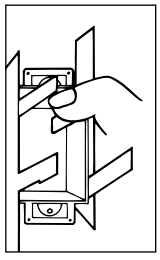
Part #	Marker Legends	Qty
42-027	0 - 9	45/ea
42-028	A - Z	10/ea
	0 - 15	10/ea
	Symbols: +, -, /	10/ea
42-029	1 - 45	10/ea
42-030	46 - 90	10/ea
42-035	1 - 15	6/ea
	16 - 90	4/ea
	A - Z	2/ea
	Symbols: +, -, /, 0	2/ea
42-ALPHA	Circuit Breaker Box Marker Book	

Box Supports

Saves time for installing outlet or switch boxes.

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





Part #	Pkg Qty	Description
800	25 sets/box	Box Support Set (pair)

NEW Electrician's Screw Kits

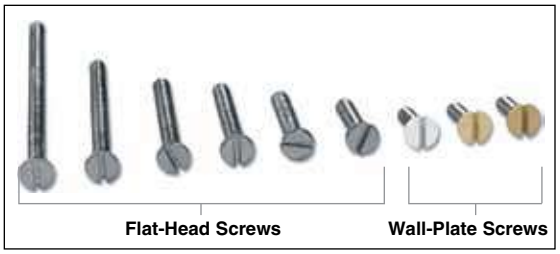
Assorted sizes & lengths of commonly used electrical machine screws.

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

Part #	Pkg Qty	Type	Contents
SK-832	370 pcs	8-32 Round Head	½", ¾", 1", 1¼", 1½", 2"
SK-632	370 pcs	6-32 Flat Head	¾", 1", 1¼", 1½", 2", 3"
SK-832WP	135 pcs	8-32 Round Head	½", ¾", 1", 1¼", 1½", 2" wall plate screws (white, ivory & almond)
14-WPI	10/card	Wall Plate Screws	Ivory
14-WPW	10/card	Wall Plate Screws	White



SK-832WP





Big Red™ Plastic Conical Anchor Kit

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

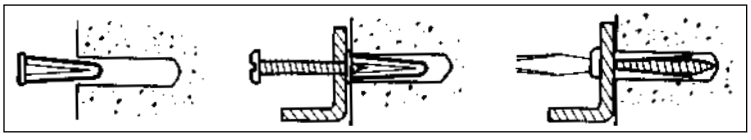
- Tapered end for easy installation.
- Flanged ribs prevent turning or twisting in hole.
- Carbide drill bit included with each kit.

Part #	Pkg Qty	Description
AP4-K100	1 kit	Plastic Anchor Kit

Kit Contains:

Qty	Description
100	¼" x 1" Anchors
100	#10 x 1" Slot/Phillips Combo Head Sheet-Metal Screws
1	¼" Carbide Drill Bit

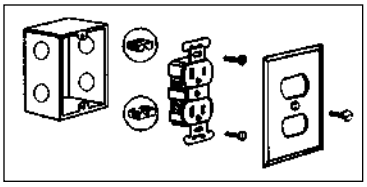




Quick Fix Spacers

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

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





Part #	Pkg Qty	Description
GSP-04	4 strips	Spacers

NEW 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 2002 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 40th Edition* A comprehensive book that translates the NEC rules into easy-to-understand explanations on how to complete safe wiring installs in homes.







Voice • Data • Video

As home and work becomes more automated with technology there is a need in the market for innovations and better solutions for professionals and for homeowners installing home theaters, and networks.

The Gardner Bender™ Voice Data Video program includes tools, testers, connectors, and fasteners that will support both coax and data installations.



page 178



page 177



page 182



page 176

Coax Cable Products

Coax Cable Stripper/Cutter....177
Coaxial Cutter/Crimp RG-59 RG-6....178
Coaxial Cutter & Stripper....178
Compression Crimp Tool....178
Compression F-Series Connector, RG-6 bulk....177
F-Series Coax Connector, Female Adapter....177
Splitter Satellite/Digital TV 5 MHz-2 GHz....177
Tool-Less F-Series Coax & UTP/STP Cable Tester....176
Wire Tracker™ Wire Tracer....176

Twisted Pair Products

Cable-Test™ Plus Coax & UTP/STP Cable Tester..176
Combo Blade 66/110 (Cut Style)....175
Non-Impact Punch-Down Tool....175
Premium Electrician Scissors/Cutters....180
Punch-Down Blade....175
Punch-down Tool....175
RJ-45 / RJ-11 Modular Plug Crimp Tool....179
TelCom RJ-45 Cat 5 Modular Plug....180
TelCom RJ-45 Cat 6 Modular Plug....180
UTP/STP Cable Stripper....179

Accessories

Cable Boss® Staple Gun....181
Cable Boss™ Staples....181
Cable Snake™ Steel Fish Tape....181
Cable Ties....182
Cat 3 & 5 Data Staples....183
Coaxial Cable Clamp for RG-6....183
Coax Staple....183
Fish Ease™ 12' Fish Sticks....182
Grip Strip™ Hook-and-Loop Fasteners....182
Split-Flex Tubing....183

Punch-Down Tool



High-impact design assures good quality terminations.

- Inserts and cuts cable in termination blocks.
- 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.
- Include hook and spudger to help installation.
- 110-style blade used in CAT 3 and CAT 5 terminations (cut and non-cut).
- 66-style blade used to terminate phone wiring (cut and non-cut).

Part #	Description	Length
PDT-3110	Type-110 Terminal Punch-Down Tool with Two Blades (Type 110 and Type 66)	5¾"

Combo Blade 66/110 (Cut Style)



- 110-style blade used in CAT 3 and CAT 5 terminations (Cut).
- 66-style blade used to terminate phone wiring (Cut).

Part #	Description
PDB-66110	Combo Blade 66/110

Punch-Down Blade



- 110-style blade used in CAT 3 and CAT 5 terminations.
- Cut and non-cut.

Part #	Description
PDB-3110	Type-110 Replacement Blade

Non-Impact Punch-Down Tool



- Non-impact punch-down.
- 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"

Tool-Less F-Series Connector, RG-6

- Cable termination is easy with our ITC (Instant Tool-less Connectors) products.
- Strip your cable with our GB® SE-398, fold braid back.
- JUST PUSH into ITC Connector.

Part #	Description	Wire Gauge	Pkg Qty
ITC-RG-6	Tool-Less Connector	RG-6	2
ITC-RG-6C	Tool-Less Connector	RG-6	6



ITC-RG-6 /
ITC-RG-6C

Cable-Test™ Plus Coax & UTP/STP Cable Tester

- Tests all coax and Cat 3-6 patch cords and installed cables for proper wiring.
- Test for opens, shorts, miswires, reversals, and shield continuity.

Part #	Description	Pkg Qty
TT64202	Cable Tester	1/clam, 2/clams/mstr



Wire Tracker™ Wire Tracer

A must-have tester for audio visual installers and data com technicians.

- Multi-purpose wire tracer for identifying wires such as coax, CAT 5, speaker, phone, or any non-energized (non-live) wires
- Adapter plugs include: RJ-45, RJ-11, Coax, Automotive fuse blade, and Insulated clamps
- Adjustable sensitivity positively identifies a single wire when multiple wires are routed in close proximity
- Audible and visual indication
- Operates from (2) AAA batteries (transmitter) and 4-LR44 batteries (receiver) (included).

Part #	Description	Pkg Qty
ET64220	Cable Tester	1/clam, 2/clams/mstr







Coaxial Cutter & Stripper

- Cuts and strips coaxial cable (RG-58, RG-59, RG-6, and RG-6 quad).
- Easily adjusts to various cable thickness.

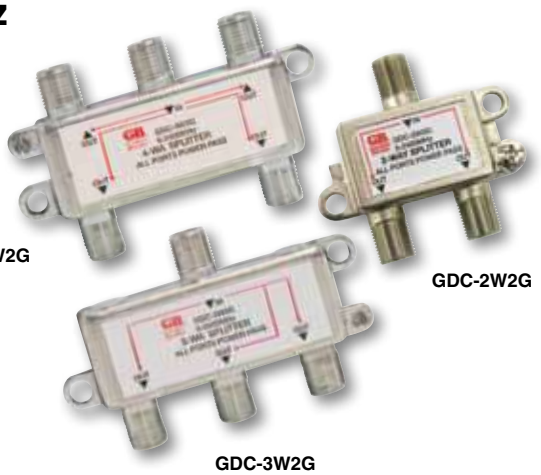
Part #	Description	Wire Gauge	Length
SE-398	Coaxial Cable Cutter & Stripper	RG-59 & RG-6	6 1/4"



Splitter Satellite/Digital TV 5 MHz-2 GHz

- Bandwidth: 5 MHz - 1 GHz
- Impedance: 75 Ohm
- Over 120 dB of RFI Shielding
- Low insertion loss
- PCB Printed circuit board design
- Nickel plated housing
- Splits signals up to 2, 3, or 4 outlets

Part #	Description
GDC-2W2G	Splitter Satellite 2-Way
GDC-3W2G	Splitter Satellite 3-Way
GDC-4W2G	Splitter Satellite 4-Way



GDC-4W2G

GDC-2W2G

GDC-3W2G

Compression F-Series Connector, RG-6 bulk

F-Type Coaxial Connector

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

Part #	Description	Pkg Qty	Type
GDC-6C	Compression Connector	50/Bag	RG-6/Quad
GDC-6CM	Compression Connector	4/Bag	RG-6/Quad



GDC-6C / GDC-6CM

F-Series Coax Connector, Female Adapter

- To combine two lengths of coaxial cable.
- To connect cables through wall.

Part #	Description	Wire Gauge	Pkg Qty
GDC-FAM	Coax Connector	RG-6	2



Compression Crimp Tool (Universal)



- Permanent connection.
- Works with most brands.
- Compression connectors add a water tight seal.

Part #	Description	Range
COM-320	Crimp Tool	Universal

Compression Crimp Tool



- Permanent connection.
- Works with most brands.
- Compression connectors add a water tight seal.
- Compact size.

Part #	Description	Range
COM-310	Crimp Tool	RG-6, RG-6 Quad, RG-59

Part #	BNC	F-Type	Mini Coax	RCA	RG11
COM-310		✔			
COM-320	✔	✔	✔	✔	✔

Coaxial Cutter/Crimp RG-59 RG-6



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

Part #	Description	Pkg Qty
GS-389	Coaxial Cutter/Crimp	1/Cd, 5 Cds/mstr

Coax Cable Stripper/Cutter



- 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.
- Curved cutting blade.

Patented

Part #	Description	Wire Gauge	Length
GS-359D	Coaxial Stripper	RG-59 & RG-6	6 1/4"

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.
- RJ-11 and RJ-45 Plugs.

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



RJ-45 / RJ-11 Modular Plug Crimp Tool

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

- RJ-11 and RJ-45m 8 Port.

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



UTP/STP Cable Stripper

Strips UTP and STP cable up to 0.24" (6.2 mm) 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.

Part #	Description	Wire Gauge	Length
GTPS-3100	UTP/STP Round Cable Stripper	UTP-STP	3 1/4"



UTP/STP Cable Stripper

Strips UTP and STP cable up to 0.24" (6.2 mm) 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.

Part #	Description	Wire Gauge	Pins
GTPS-3200	Premium Cable Stripper	UTP, STP, flat, round from 1/8" to 3/8" in diameter and silver satin and other flat cables	4 1/2"



USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Premium Electrician Scissors/Cutters

Stainless steel with precision hollow-ground and hardened for long-lasting edge.

- One micro-serration blade reduces slippage.
- Extension tang to get extra tough.
- Right and Left handed users.
- Full Length: 5½" (138 mm), Cutting Length: 1⅝" (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"

TelCom RJ-45 Cat 5 Modular Plug, 8-Position, 8-Contact, Rounded Cable, Solid Wire

- RJ45 Modular Connectors
- Use with network/twisted pair cable CAT-5E



Part #	Description	Pkg Qty	Type
GMC-88C5	Modular Plug	50/Bag	CAT-5e
GMC-88M5	Modular Plug	8/Bag	CAT-5e

TelCom RJ-45 Cat 6 Modular Plug, 8-Position, 8-Contact, Rounded Cable, Solid Wire

- RJ45 Modular Connectors
- Use with network/twisted pair cable CAT-6



Part #	Description	Pkg Qty	Type
GMC-88M6	Modular Plug	50	CAT-6
GMC-88C6	Modular Plug	8	CAT-6

Cable Boss® Staple Gun

- Secures 120 V & 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 #	Description
MSG-501V	Cable Boss® Staple Gun



Patented

Cable Boss™ 5/16" Blue Staples

- Insulated staple.
- Barbed leg design for superior holding power.
- Secures flat and round cable.

Part #	Size	Pkg Qty	Color	Application
MPS-2080V	5/16"	250/box	Blue	Voice/Data: CAT 5e Speaker wire: 16/2, 16/4, 12/2 (standard and in-wall styles) Security Wire: 18/4 Thermostat: 18/7 Telephone Wire: 24/8



Cable Boss™ 1/2" Black Staples

- Insulated staple.
- Barbed leg design for superior holding power.
- Secures flat and round cables.

Part #	Size	Pkg Qty	Color	Application
MPS-2125V	1/2"	200/box	Black	Coax: RG-6 Quad Shield NM Cable: 10/2, 12/3 Structured Cabling: Siamese CAT 5e, Siamese CAT 5e and 16/4 Speaker Wire



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.

Part #	Description	Weight
EFT-321P	25' Cable Snake™ Fish Tape	1.10 lbs.



Patented

Romex® is a registered trademark of Southwire Company, Carrollton, GA

Fish Ease™ 12' Fish Sticks



- 3 durable interlocking fiberglass rods extend up to 12'. (4' sections).
- 1/4" diameter ensures rigidity when extended.
- 2 different threading tips provided for a variety of applications.

Part #	Description	Dimensions	Weight
FTX-312	Fish Ease™ 12' Fish Sticks	3-4' sections x 1/4"	1 lb.

Assorted Cable Ties



- Colored cable ties fasten wire for easy bundle identification.
- Patented DoubleLock® design ensures 50% more tensile strength than industry standards.
- Flexible nylon material allows cable ties to remain serviceable through temperature ranges of -40 to 185 °F (-40 to 85 °C).
- Recognized under component program of UL, E125869.
- Meets flammability classification UL 94 V-2.

Part #	Color	Pkg Qty	Tensile Strength	Lengths
10095VDV	Assorted	200/Bag	75 lbs.	4" and 8"

8" Mounting Tie



- 8" Cable Ties
- Tensile Strength: 50 lb.
- Bundle Diameter: 2"

Part #	Color	Pkg Qty	Double Lock™	Tensile Strength	Length	Width	Thickness	Bundle Dia. Max.	UL
45-308MTG	Grey	15/pk	DLOCK	75 lb	8"	0.17"	0.055"	2"	UR

Grip-Strip™ Hook-and-Loop Fasteners



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 #	Description	Pkg Qty	Length
45-V8BK	Grip-Strip™	5/Bag	8"
45-V15BK	Grip-Strip™	50/Bag	8"

Split Flex Tubing

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.



Part #	Inside Diameter	Length	Color	Pkg Qty
FLX-757GRV	3/4"	5'	Gray	1/bag

1/4" Coaxial Cable Clamp for RG-6

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



Part #	Description	Pkg Qty	Size
PEC-31525	Cable Clamp	20/Bag	1/4"

Coax Staple 1/4"

- Black masonary staple.
- Secures RG-59, RG-6 and RG-6Q cables to cement, block, mortar or plaster.
- Hardened nail penetrates cement block, plaster and mortar.
- Zinc plated nails resist corrosion.
- UV protected.
- Clip-on strap permits hands free installation.



Part #	Description	Pkg Qty	Size	Color
PCS-3600	Coax Staple	50/Bag	1/4"	Black

Coax Staple 1/4"

- Secure 1/4" coaxial cable including RG-59 and RG-6 types.
- Corrosion resistant zinc plated nail for indoor/outdoor use.
- UV resistant saddle.



Part #	Description	Pkg Qty	Size	Color
PSW-3650	Coax Staple	50/Bag	1/4"	White

Cat 3 & 5 Data Staples (RJ-11; RJ-12; RJ-45; Cat 3 & 5)

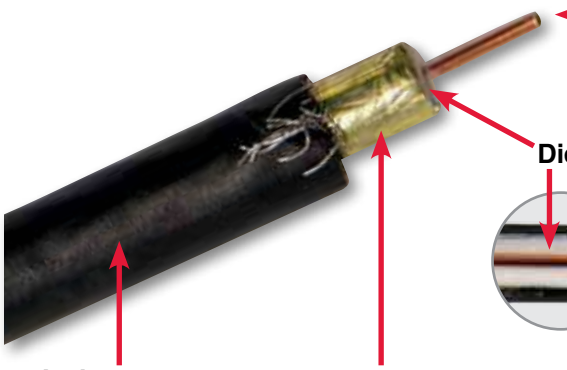
- Secures CAT 3, CAT 5, and other datacom wires.
- Easy nailing.
- Protects wire insulation.
- Will not rust, crack or deteriorate.



Part #	Description	Pkg Qty	Size	Color
PTP-325	Data Staple	50/Bag	1/4"	Blue

Terminating Coaxial Cable – Terminology

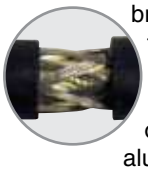
Parts of the Cable



Center Conductor
This is the part of the cable that the data travels on. RG-6 and RG-6 Quad have 18 AWG copper coated steel wire, while RG-59 has a smaller 22 AWG center conductor.

Dielectric
Usually constructed out of solid plastic or a foam plastic, this is used to separate the Center Conductor from the shielding.

Braid
The second part of the shielding on coaxial cables, braiding is typically made from a number of copper or aluminum wires woven together to form a conductor around the dielectric core. The braiding prevents lower frequency noise from interfering with the data signal.



Jacket
Placed on the outside of the cable to protect all of the other internal components of the wire from the environment.

Foil
A thin foil shield is wrapped over the dielectric which helps to prevent high frequency noise from interfering with the data signal.

Cable Types

RG-6 is the recommended standard cable for use in satellite and cable television networks. RG-6 loses only about 50% of the signal every 100 ft., due to its 18 AWG center conductor and combination aluminum foil/aluminum braid shield.

RG-6 Quad has the same center conductor and signal loss ratio as the RG-6, but features an extra layer of shielding. This cable is optimal for use where extra protection from outside interference is needed.

RG-59 is no longer the recommended standard for cable or satellite television networks, due to its smaller center conductor and less shielding. This combination results in an 80-90% data loss over 100 ft. span.



Connectors

The most common type of coaxial cable connector.

Compression (Professional)

The compression connector is approved by cable and satellite providers because of the permanent and water tight connection it makes with the cable. Although this connector creates a professional quality connection it is easy enough for anyone to install. *(Part #: GDC-6CM)*



Push On (Best)
This connector provides the same permanent install as the compression connector, but does not need a compression tool to install. *(Part #: ITC-6)*



Crimp On (Better)
This connector works by pushing the connector over the stripped end of the RG-6 or RG-6 Quad coaxial cable and using a special crimping tool the connector is squeezed or crimped onto the cable.



Twist On (Good)
The twist on connector threads onto the stripped end of the coaxial connector until it is fully seated on the cable, this connector requires no other tools.



Creating a Coax Cable

Step 1 – Connector Selection

Select the type of connector that will be needed for your application from the connector selection guide.



Step 2 – Cut Cable

Note: It is important that you use a round cutter to maintain the cable geometry. (Part #: GC-330)

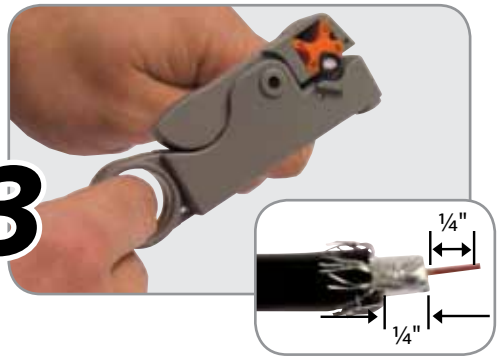


Step 3 – Strip Cable

Note: F-Connectors require a two step ¼" x ¼" strip, make sure you are using an F-connector wire stripper. (Part #: SE-398)

To strip the cable place the cable in the blade end of the stripper, press down on the stripper handle, and while applying pressure rotate the stripper multiple times.

Before placing the connector over the stripped end of the wire the metal braiding needs to be pushed back over the jacket of the cable, then push on the connector until the white dielectric is even with the center hole of the connector.



Step 4 – Terminate

Compression

Insert the cable, with the compression connector placed on the end, into the compression tool and squeeze the handle until the handle is flush with the tool. *(Part #: COM-310 or COM-320 Pro)*

Crimp

Strip cable, fold braid back. Insert the cable, push white dielectric until flush with center hole. Place connector in tool. Squeeze and crimp. *(Part #: GS-389)*



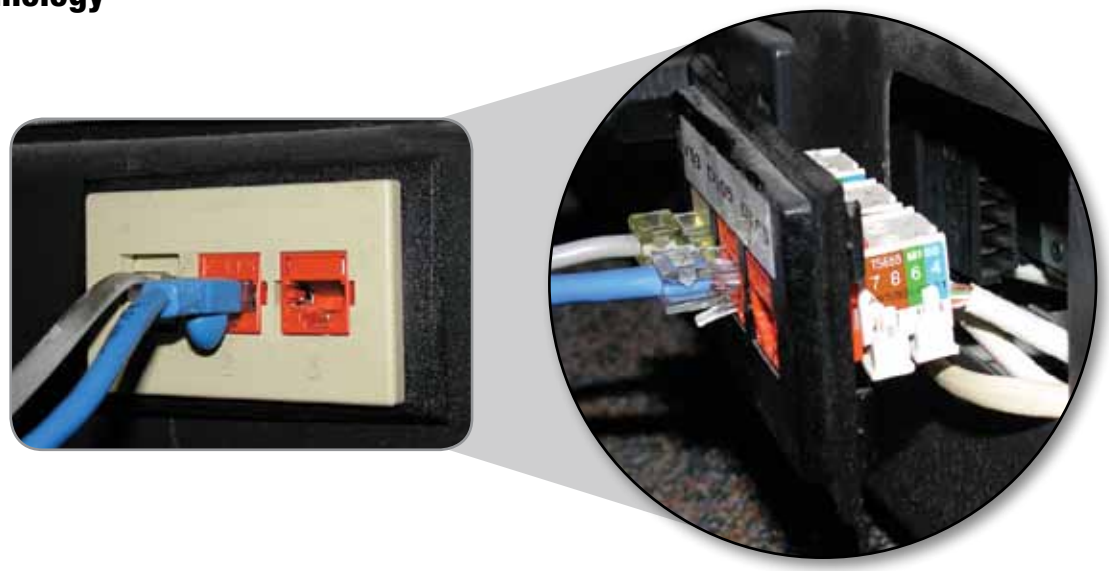
Step 5 – Testing

Test the cable with a continuity tester to make sure cable is properly terminated with no opens or shorts. *(Part #: TT64202)*



USA 800.624.4320 | fax 800.799.3779 | *www.gardnerbender.com*
CANADA 905.564.5749 | fax 905.564.0305

Terminating Twisted Pair Cables Terminology



Twisted Pair Cable

is given this name because of how the pairs of conductors from a single circuit are twisted together for the purpose of cancelling out electromagnetic interference.

Data Jack

is used when more then one connection is going to be used in a fixed location. Most commonly the cables will be run through the wall to a data jack in an office or at a work station.

Cable Types

Category 3 Cable (Cat 3) is the FCC recommended cable for phone use, but can also be used for data networks that are limited to 10 Mbs.

Category 5e and 6 Cable (Cat 5e and Cat 6) both of these cables are used for computer data networking. Both of these cables will support 10/100/1000 Mbs network speeds, the only difference being that Cat 6 cables will have lower transmission errors in a 1000 Mbs environment.

Connectors

RJ-11 Modular Plug is a 2 pair or 4 wire connector that is used when creating phone line patch cords. Each connector can support up to two phone lines.

RJ-45 Modular Plug is a 4 pair or 8 wire connector that is used when creating patch cables for computer data networks.

Creating a Twisted Pair Patch Cable (RJ-45)

Step 1

Strip back 2 inches of outer jacket.
(Part #: GTPS-3200)



Step 2

Separate pairs into proper sequence based on type of cable being made:

Straight Thru (most commonly used):

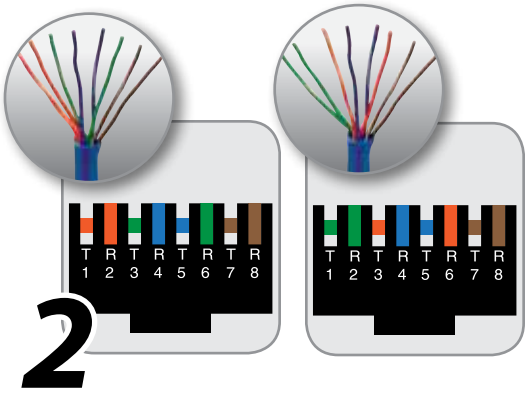
Wire both ends of the cable as noted in the diagram.

(Dashed Orange, Orange, Dashed Green, Blue, Dashed Blue, Green, Dashed Brown, Brown)

Crossover Cable (used to connect like devices (ie. router to router):

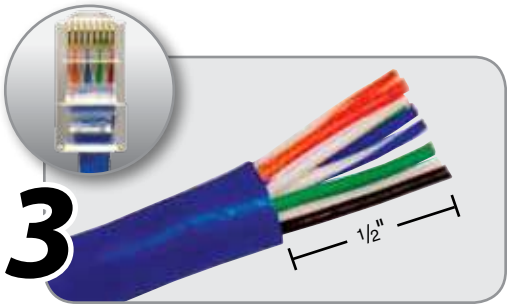
Wire one end as shown above and wire the other end as shown in below diagram.

(Dashed Green, Green, Dashed Orange, Blue, Dashed Blue, Orange, Dashed Brown, Brown)



Step 3

Now group and flatten the wires so they are laying side by side and trip them to 1/2" from the outer jacket. Slide the RJ-45 Plug onto the trimmed wires with the release down (brown pair should be on the right).



Step 4

Terminate the plug using a modular plug crimping tool by inserting the plug into the RJ-45 die and squeeze the handles. *(Part #: GMC-1145D)*



Step 5

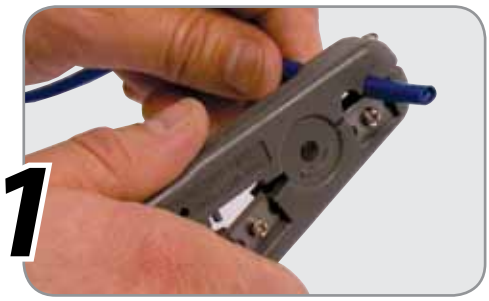
Test the cable with a continuity tester to make sure the cable is properly terminated. *(Part #: TT64202)*



Terminating into a Data Jack

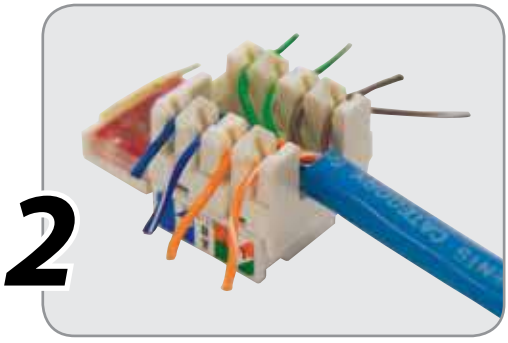
Step 1

Strip back 2 inches of outer jacketing. Avoid damaging or nicking the pairs. *(Part #: GTPS-3200)*



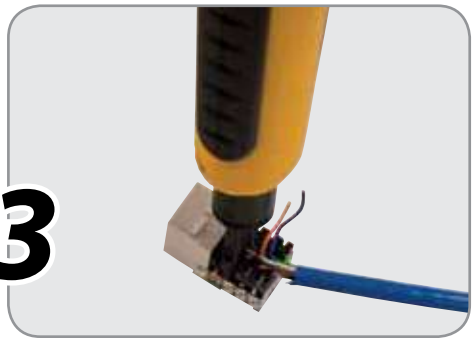
Step 2

Place the wires into the data jack based on the color diagram printed on the wiring jack (T568B is most common). Leave no more then 1/2" of the wire untwisted.



Step 3

Terminate the wires in the jack using a punch down tool, making sure the cutting edge is on the outside of the jack. For easy termination use GB® impact punchdown tool. *(Part #: PDT-3110)*



Step 4

Test the connections by using a wiremap tester. *(Part #: TT64202)*



NAME	PG
Alligator Clips	23
Aluminum Mechanical Lugs	13
Aluminum Splicer-Reducers	13
Aluminum Split Bolt Connectors	12
Anchor Kit - Plastic Conical	171
Anti-Oxidant Compound (Ox-Gard™)	14
Battery Charging Clips, Clamps	23
Battery Tester (Analog)	142
Benders – Aluminum Rigid Conduit	
Cyclone® Electric Bender (B2000)	36
Gardner™ EMT Hand Benders	59
One-Shot Hydraulic Benders	42-48
Sidewinder® Electric Bender (B2555)	37
Sidewinder™ Mechanical Benders	54-57
Sweep/Segmental Benders	46
Ultra Eegor™ Hydraulic Bender	40-41
Benders – EMT Conduit	
Big Ben® Hand Benders	58
Cyclone® Electric Bender (B2000)	36
Gardner™ EMT Hand Benders	59
Iron Hand Benders	60
Sidewinder® Electric Bender (B2555)	37
Sidewinder® Mechanical Benders	54-57
Ultra Eegor™ Hydraulic Bender	40-41
Benders – IMC Conduit	
Cyclone® Electric Bender (B2000)	36
Sidewinder® Electric Bender (B2555)	37
Sidewinder™ Mechanical Benders	54-59
Ultra Eegor™ Hydraulic Bender	40-41
Benders – PVC Conduit	
HotBlanket™ Benders	63
HotBox™ Benders	62-63
HotTube™ Bender	61
Benders – PVC-Coated Rigid Conduit	
Cyclone® Electric Bender (B2000)	36
Sidewinder® Electric Bender (B2555)	37
Sidewinder™ Mechanical Benders	54-57
Benders – Rigid Steel Conduit	
Rigid Bender Capacities Chart	39
Big Ben® Hand Benders	58
Cyclone® Electric Bender (B2000)	36
Gardner™ EMT Hand Benders	59
Iron Hand Benders	60
One-Shot Hydraulic Benders	42-48
Sidewinder® Electric Bender (B2555)	37
Sidewinder™ Mechanical Benders	54-57
Sweep/Segmental Hydraulic Benders	46
Ultra Eegor™ Hydraulic Bender	40-41
Bender Shoe Groups	
Sidewinder® Electric Bender (B2555) - IMC	38
Sidewinder® Electric Bender (B2555) - Rigid	38
Sidewinder® Electric Bender (B2555) - EMT	38
Sidewinder® Electric Bender (B2555) - PVC-Coated	38
Blower Systems	
JetLine® Super Blower™ (Electric)	68
Super Blo-Vac™ System (Blower/Vacuum)	69
Box Supports/Spacers	170,172
Bullet Splices	19
Butt Splices & Kits	17, 20, 21
Cable Boss® Staple Gun	181
Cable Boss® Staples	181
Cable Clamps - Plastic	167
Cable Clamps - Rubber Insulated	167
Cable Pullers and Accessories	
2,000 lb Mini-Brutus™ Powered Puller	82
8,000 lb Brutus™ Powered Puller	83
Sub-Assembly Kits	84
10,000 lb Ultra Brutus™ Powered Puller	88-89
Brutus™ Powered Puller Application Instructions	85-87
Hook Sheaves	91
Tension Meter	91
Conduit Measuring Tape	75
Cable Snake™ Steel Fish Tape	181
Cable-Test™ Plus Coax & UTP/STP Cable Tester	176
Cable Ties	147-150
Cable Wraptor™	163
Category 3 & 5 Data Staples	159, 183
Circuit Alert®	
Circuit Alert® Tester	117
Circuit Alert® Knife	117
Circuit Alert® Wire Strippers	118
Circuit Alert® Work Lights	118
Circuit Alert® Pliers	119
Circuit Alert® Screwdrivers	119
CO2 Systems	
Air Compressor Seal-Off	73
CO2 Refill Connector	72
Powr House™ Conduit Fishing Systems	71
Powr-Pak I™ 5 lb. Portable System	72
Coaxial Cable Staples	159
Coaxial Cable Clamp for RG-6	183
Coaxial Cable Stripper/Cutter	177
Colored Cable Ties	150
Compression Crimp Tool	178
Compression F-Series Connector, RG-6 Bulk	177
Conduit Straps	158
Continuity Tester	
Heavy-Duty	135
Copper Mechanical Lugs	13
Copper Split Bolt Connectors	12
Crimp Connectors	12
Cutters	
BX cutter	128
Ratcheting	129
PVC	129
Datacom/ VDV	
Coax Cable Products	176-178
Twisted Pair Products	176-180
Accessories	181-183
Disconnects	19
Door Switch	32
Duct Seal Compound	169
Electrician Scissors/Cutters	180
Fiber-Insulated Staples	160
Fish Sticks	
12' Fish Ease™	81
15' Glo Fish™	81
Fish Tapes and Accessories	
Cable Snake™ Steel Fish Tapes	77-78
Economy Fish Tape	79
Fiberline™ Non-Conductive Fiberglass Fish Tapes	79
Fish Tape Ball	80
Fish Tape Leader	80
Nylo-Flex™ Non-Conductive Nylon Fish Tapes	80
Replacement Tapes - Steel	79
Rewind™ Fish Tape Winder	77
Streamline™ Steel Fish Tapes	78
UpperHand™ Steel Fish Tapes	76
UpperHand™ Non-Conductive Fiberglass Fish Tapes	76
F-Series Coax Connector, Female Adapter	177
Fuse Puller	130
GB Xtreme™ Terminals	17
Grip-Strip™ Hook-and-Loop Fasteners	151, 182
Grounding Accessories	14
Grounding Connectors (GreenGard™)	10
Guide to Bending Booklet	64
Hand Benders	
Big Ben® Hand Benders	58
Gardner™ Thinwall Hand Benders	59
Iron Hand Benders	60
Handles	61
Hickey Bending Heads	61
Hanger Strap	169
Heat-Shrink Tubing - Colored PVC	165
Heat-Shrink Tubing - Heavy-Wall	166
Heat-Shrink Tubing - Thin Wall Polyolefin	165
Heavy Duty Cable Ties (Natural & Ultraviolet Black)	148
Hi-Temp Black Connectors	8
Hydraulic Bender Accessories	52
Hydraulic Cylinder Specifications	53
Insulated Metal Staples	156
Knives	117, 130
Knockout Seals	168
Low Voltage Wire Staples	158, 160
Lubricants	
Wire-Aide™	91
Poly-Gel™	92
Super-Slick™	93
Masonry Staples	159, 160
Material Handling	
Reel Rollers	
30" Reel Roller	96
Handy-Saver™ Reel Roller	96
Reel Jacks - Telescoping	96
Wire Caddies & Carts	
Deluxe Spool Cart & Caddy Combo	98
Hand Wire Caddy	97
Heavy-Duty Spool Cart & Caddy Expander Combo	98
Portable Wire Caddy	97
Portable Wire Dispenser	99
Replacement Parts	99
Spool Caddy Cart	97
Wire Dispenser	98
Metal Staples	156
Miniature Cable Ties (Natural & Ultraviolet Black)	147

NAME	PG
Mounting Bases and Ties (Natural & Ultraviolet Black)	149, 151
MultiCable Staples	157
Multimeters - Analog	
Analog Multimeters Comparison Chart	139
Five Function, 12-Range	139
Six Function, 14-Range	139
Seven Function, 19-Range	139
Multimeters - Clamp-On	
Clamp-On Comparison Chart	141
AC Clamp Meter with Lockjaw	141
Auto-Ranging Digital	141
Multimeters - Digital	
Digital Multimeters Comparison Chart	140
Three Function, 13-Range	140
Four Function, 14-Range	140
Seven Function, 7-Range Auto-Ranging	140
Multi-Range Connectors (Hex-Lok®)	9
Non-Contact Voltage Testers	
Non-Contact Voltage Testers Comparison Chart	136
Circuit Alert®	136
Live-Wire™	136
Pigtail Connectors	11
Plastic Staples	157
Pliers	
Long Nose	126
Linemen's	127
Pull-Chain Switches	30, 31
Pull Line / Line Carriers	
Foam Line Carriers	74
Heavy-Duty Bulk Nylon Line	75
The Inflatables® Line Carriers	73
Missile Line Carriers	73
Poly-Pull™ Line	75
Power Saver™ Line Packages	74
Tag-Along™ Line Packages	74
Pumps	
Economy Electric	50
Manual Hydraulic	51
Submerged Electric	50
Z-Class™ Electric	49
Punch-Down Blade	175
Punch-Down Tool	175
Push-Button Switches	29, 30
Push-In Connectors (PushGard™)	11
PVC Plug Sets	63
Receptacle Testers/Analyzers	
Receptacle Testers/Analyzers Comparison Chart	137
Lan Tracker™	138
Receptacle Tester & Circuit Analyzer	137
GFCI & Circuit Analyzer	137
Reference Book - "Ugly's Electrical References"	172
Reference Book - "Wiring Simplified"	172
Releaseable Cable Ties (Natural & Ultraviolet Black)	149
Ring Terminals	17,18
RJ-45 / RJ-11 Modular Plug Crimp Tool	179
Rocker Switches	31
Roofing Staples	160
Rope	
Rope Selection Guide	95
Poly-Pro™ General Purpose Rope	94
Super Tuff-Pull™ Double Braided Rope	93
Tuff-Pull™ Single Braided Rope	94
Rotary Switches	32
Screwdrivers	129
Screw Kits	171
Seals	169
Service Entrance Staples	157
Service Entrance Straps	158
Slug-Out™ Knockouts	
35 Ton Hydraulic Punch	108
Draw Studs	110-111
Hydraulic Slug-Out™ Sets	103-104
Individual Components	107, 110-111
Mechanical Slug-Out™ Sets	105-106, 112
Notching Pliers	108
Super Stainless Steel Slug-Out™ Sets	109, 112
Spade Terminals	17, 18
Spiral Wrap	166
Split Flex Tubing	166, 183
Splitter Satellite/Digital TV 5MHz-2 GHz	177
Standard Cable Ties (Natural & Ultraviolet Black)	147
Staple Gun	155, 156
Step Bits	112
Storage Cases (Tool-Guard™)	64
Straight-Sided Connectors (WireGard™)	7
Stud Insulators	168
Stud Punch	113
Table (Bend-Mate™ Bender Table for Ultra Egor™)	41
Tape - Electrical	163
Tape - Friction	164
Tape - Liquid Electrical	164
Tape - Silicone Self-Sealing	164
Tap Splices	20
TelCom RJ-45 Cat 5 Modular Plug	180
TelCom RJ-45 Cat 6 Modular Plug	180
Tensioning Tool	151
Terminal Adapters	20
Terminal Kits	21
Tester Leads	142
Tester Replacement Parts (fuses, batteries)	143
Toggle Switch Cover	29
Toggle Switches	28, 29
Underground UF Splice Kit	22
Universal Connectors (Uni-Lok®)	10
UTP/STP Cable Stripper	179
Vacuum / Blowers	
Super Blo-Vac™ System	69
Voltage Testers	
Voltage Testers Comparison Chart	133
6-way Circuit	134
Heavy-Duty 3-way	134
Low Voltage Twin Probe	133
Screwdriver, Voltage Probe & Continuity Tester	134
Solenoid	135
Winged Connectors (WingGard®)	8
Wire	23
Wire Markers - Pocket Pack	170
Wire Strippers	120-122
Multi-tool	122
Cable Rippers	123
Wire Tracker™ Wire Tracer	176

Romex® is a registered trademark of the Southwire Company, Carrollton, GA

PART #	PG
601	169
602	169
603	169
740	99
800	170
820	61
821	61
822	61
920	60
921	60
922	60
923	60
932	59
933	59
950	71
960	58
961	58
962	58
1102	72
1142	71, 72
1206	71
1208	71
1215	71, 72
1216	71, 72
1525	69
12568	69
125615	69
126025	68
10-001	7
10-002	7
10-003	7
10-003HT	8
10-004	7
10-004HT	8
10-006	7
10-084	8
10-086	8
10-089	8
10-095	10
10095VDV	182
10-100	20
10-103	18
10-104	18
10-105	18
10-106	18
10-107	18
10-108	18
10-111	18
10-112	18
10-113	18
10-114	18
10-116	18
10-121	20
10-123	20
10-126	20
10-141F	19
10-141M	19
10-143F	19
10-143M	19
10-145F	19
10-145M	19
10-151F	19
10-153F	19
10-153M	19
10-153P	19
10-155F	19
10-170	21
10-1G1	10
10-1H1	9
10-204	18
10-206	18
10-243F	19
10-245F	19
10-283F	20
10-285F	20
10-2G2	10
10-2H2	9
10-310C	12
10-311C	12
10-410	12
10-410C	12
10-411	12
10-411C	12
10-PC2	11
10-PC3	11
10-PC4	11
10-PC8	11
1103N	72
1105A	71
12-001	7
12-001BU	7
12-002	7
12-002BU	7
12-003BU	7
12-004BU	7
12-006BU	7
12-084BU	8
12-086BU	8
12-1G1BU	10
12-1H1BU	9
12-2H2BU	9
13-003	7
13-004	7
13-006	7
13-084	8
13-086	8
13-089	8
13-095	10
13-1G1	10
13-1H1	9
13-2G2	10
13-2H2	9
13-410	12
14-075	23
14-076	23
14-077	23
14-078	23
14-095	18
14-097	18
14-099	18
14-505	23
14-510	23
14-520	23
14-530	23
14-550	23
14-610	23
14-630	23
14-GRC	14
14-WPI	171
14-WPW	171
15-090	11
15-096	18
15-098	18
15-104	18
15-105	18
15-106	18
15-107	18
15-108	18
15-114	18
15-116	18
15-120	21
15-121	20
15-123	20
15-126	20
15-143F	19
15-143M	19
15-145F	19
15-151F	19
15-151M	19
15-152P	19
15-153F	19
15-153M	19
15-2210	21
15-2214	21
15-2216	21
15-2218	20
16-001	7
16-002	7
16-003	7
16-003M	7
16-004	7
16-006	7
16-084	8
16-084M	8
16-086	8
16-086L	8
16-095	10
16-1H1	9
16-1H1L	9
16-8486	8
16-8486M	8
17-003	7
17-004	7
17-006	7
17-084	8
17-086	8
17-1H1	9
19-001	7
19-002	7
19-003	7
19-004	7
19-006	7
19-084	8
19-086	8
19-089	8
19-095	10
19-1G1	10
19-1H1	9
19-2G2	10
19-2H2	9
19-AWC	7
19-AWW	8
19-PC2	11
19-PC3	11
19-PC4	11
19-PC8	11
20-089	11
20-090	11
20-100	20
20-101	18
20-102	18
20-103	18
20-104	18
20-105	18
20-106	18
20-107	18
20-108	18
20-111	18
20-112	18
20-113	18
20-114	18
20-121	20
20-1210	20
20-123	20
20-126	20
20-141F	19
20-141M	19
20-143F	19
20-143M	19
20-145F	19
20-145M	19
21-151F	19
20-151P	19
20-153F	19
20-153P	19
20-161P	19
20-163F	19
20-163M	19
20-163P	19
20-2218	20
20-410	12
20-411	12
21-100	20
21-101	18
21-102	18
21-103	18
21-104	18
21-105	18
21-1055	18
21-106	18
21-107	18
21-108	18
21-109	18
21-111	18
21-112	18
21-113	18
21-114	18
21-116	18
21-121	20
21-123	20
21-126	20
21-141F	19
21-141M	19
21-143F	19
21-143M	19
21-145F	19
21-145M	19
21-146F	19
21-146M	19
21-151M	19
21-153F	19
21-153M	19
21-155F	19
21-155M	19
21-161F	19
21-161M	19
21-163F	19
21-163M	19
21-2218	20
25-001	7
25-002	7
25-003	7
25-004	7
25-006	7
25-084	8
25-086	8
25-089	8
25-095	10
25-1G1	10
25-1H1	9
25-2G2	10
25-2H2	9
25-AWC	7
25-AWW	8
27-003	8
27-004	8
42-027	170
42-028	170
42-029	170
42-030	170
42-035	170
42-ALPHA	170
45-104	147
45-104UVB	147
45-306SS	150
45-308	147
45-308FB	150
45-308FG	150
45-308FY	150
45-308G	150
45-308ID	150
45-308MT	143
45-308MTG	182
45-308MTUVB	143
45-308UVB	147
45-312	147
45-312SS	150
45-312UVB	147
45-315	147
45-315UVB	147
45-515	148
45-515UVB	148
45-518	148
45-518UVB	148
45-521	148
45-521UVB	148
45-524	148
45-524UVB	148
45-536	148
45-536UVB	148
45-548	148
45-548UVB	148
45-MB	151
45-MBUVB	151
45-V15BK	151, 182
45-V8BK	151, 182
46-104	147
46-104M	147
46-104UVB	147
46-104UVBM	147
46-206	147
46-206M	147
46-206UVB	147
46-210	147
46-210UVB	147
46-308	147
46-308G	150
46-308M	147
46-308UVB	147
46-308UVBM	147
46-310	147
46-310M	147
46-310UVB	147
46-310UVBM	147
46-311	147
46-315	147
46-315M	147
46-315UVB	147
46-315UVBM	147
46-330	148
46-330UVB	148
46-408	148
46-408UVB	148
46-412	148
46-412UVB	148
46-415	148
46-415UVB	148
46-418	148
46-418UVB	148
46-421	148

PART #	PG
46-421UVB	148
46-424	148
46-424UVB	148
46-436	148
46-436UVB	148
46-448	148
46-448UVB	148
46-507	147
47-108	143
47-108UVB	143
47-115UVB	143
47-121UVB	143
47-127UVB	143
48-308	143
48-308UVB	143
48-315	143
75-104	18
75-106	18
75-111	18
75-113	18
75-116	18
75-121	20
75-123	20
75-126	20
75-143F	19
75-145F	19
79-002	91
79-003	91
79-006	91
79-201	92
79-202	92
79-203	92
79-301	92
79-401	93
79-402	93
79-403	93
920H	60
921H	60
922H	60
930B	59
930H	59
931B	59
931H	59
932H	59
960H	58
961H	58
962H	58
A12	52
A29	52
A630	52
AML-200	14
AML-201	14
AML-202	14
AML-203	14
AML-204	14
AML-205	14
AML-206	14
AML-207	14
AML-208	14
AMT-100	17
AMT-103	17
AMT-106	17
AMT-108	17
AMT-110	17
AMT-113	17
AMT-116	17
AMT-120	17
AMT-121	17
AMT-123	17
AMT-124	17
AMT-126	17
AMT-127	17
AMT-4100	17
AMT-4103	17
AMT-4106	17
AMT-4110	17
AMT-4113	17
AMT-4116	17
AMT-4120	17
AMT-4123	17
AMT-4126	17
AMT-5102	17
AMT-5104	17
AMT-5106	17
AMT-5121	17
AMT-5123	17
AMT-5126	17
AMW-312	23
AMW-314	23
AMW-316	23
AMW-318	23
AMW-322	23
AMW-324	23
AMW-326	23
AMW-328	23
AMW-332	23
AMW-334	23
AMW-336	23
AMW-338	23
AP4-K100	171
B1021028	41
B2000	36
B2555	37
B2555EMT	37
B2555IMC	37
B2555PVC	37
B2555RIG	37
B26	68, 69
B3000	68
B306S	39, 46
B306SPE22J	46
B306SPH80	46
B308S	39, 43
B308SPE22J	43
B308SPH80	43
B316S	39, 42
B316SPE22J	42
B316SPH39	42
B340S	39, 44
B340SP208J	44
B340SPE22J	44
B340SPH80	44
B343S	39, 47
B343SP408J	47
B343SP408K	47
B343SP408S	47
B343SPH84	47
B350	44, 47
B351S	39, 48
B351SP408J	48
B351SP408S	48
B351SPH84	48
B359S	39, 45
B359SP208J	45
B359SPH80	45
B400DL	40
B400DLP408S	40
B400L	40
B400LP408S	40
B60	68
BB2030	63
BB3040	63
BB5150	63
BE400	41
BEMT-52	38
BF41	54
BF42	54
BF43	54
BF47	54
BF48	54
BF49	54
BF52	54
BF90	54
BFB2500	40
BFB3000	40
BFB3500	40
BFB4000	40
BH-100	61
BH-125	61
BH-75	61
BHB-520D	62
BHB-540A	62
BHB-560	63
BHB-560P	63
BHE-50K	62
BHE-540	62
BHE-560	63
BHT-520A	61
BIMC-152	38
BPVC-52	38
BR12515	54, 55
BR20000	54
BR57510	54, 55
BRIG-52	37
BS2500	40
BS3000	40
BS3500	40
BS4000	40
BT12515	54
BT2000	54, 57
BT57510	54
BTI12520	54
BV12	69
BV1281	69
BV208DA	69
BV23	69
BV24	68, 69
BVP20	63
BVP25	63
BVP30	63
BVP40	63
BVS-240	63
BW11	55
BW12	55
BW15	55
BW20	56
BW201	57
BW20S	56
BW221	57
BW221S	57
BW27	57
BW27S	57
BW30	56
BW30S	56
BW72	54
BW74	54
BW75	54
BW76	54
BWF888	54-57
BX-1	37, 38
BZ12011	42
BZ12021	42
BZ12031	42, 43
BZ12041	42-45, 47-48
BZ12051	42-45, 47-48
BZ12061	42-45, 47-48
BZ12071	42
BZ12091	42-45, 47-48
BZ12341	44-45, 47-48
BZ12351	44-45, 47-48
BZ12371	42
BZ12372	43, 46
BZ12374	44, 45, 47
BZ12375	42
BZ12376	43-44, 46-47
BZ12377	42-44, 46-48
BZ12379	46
BZ12380	46
BZ12381	46
BZ12382	43, 46
BZ12383	43, 46
BZ12384	43, 46
BZ12385	43, 46
BZ12386	45, 48
BZ12388	45, 48
BZ12389	45, 48
BZ12390	45, 48
BZ12391	44-45, 47-48
BZ12392	44-45, 47-48
BZ13401	43, 44, 46, 47
BZ28	40
BZ34	40
BZ39	40
BZ44	40
BZ72	41
BZ725	41
BZ726	41
BZ74	40
BZ76	40
BZ78	40
C604	52
CAM-10	117
CB21V	73
CD1012	53
CD3014	47, 48, 53
CD3028	40
CD3028KT	40
CD308	53
CD411	52
CF859489	41
CF860013	41
CF861108	41
CF862281	41
CF863104	41
CH1211	53, 103, 109
CH204028	41
CH819044	41
CH951044	41
CK211950	41
CK212950	41
CK-315	21
CK-570	21
CK579281	41
CM16	84
CM191044	41
CM193350	41
CM194900	41
CM20	40, 64, 83
CM260281	54
CM4	42, 64
CM5	103
CM7	43-48, 64
COM-310	178
COM-320	178
CP10	84
CP1002	84
CP10K	88
CP15	84
CP2000	82
CP2000M	82
CP503	83, 84
CP504	84
CP505	83, 84
CP600	84
CP601	83, 84
CP622	83, 84
CP630	84
CP631	83, 84
CP700	84
CP701	83, 84
CP702	83, 84
CP703	83, 84
CP704	84
CP705	84
CP706	83, 84
CP707	83, 84
CP708	83, 84
CP709	83, 84
CP80	83, 84
CP800	83, 84
CP8000	83
CP8000D	83
CP8001	83
CP801	84
CP806	84
CP807	84
CR-100	123
CR-1000	123
CRC-100	123
CS1010	42, 53
CS106	53
CS2510	43, 46, 53
CS2514	44, 45, 53
CS400	40, 41
CTT-45	151
CW-T1RR50	163
CW-T2RR25	163
CW-T3RR25	163
CW-T4RR20	163
DC404	40
DS-130	169
DS-530	169
E507	62
EFT-21P	78
EFT-321P	181
EFT-50B	79
ERB-UG	172
ERB-WS	172
ES15	38
ES-2	38
ES-360	180
ES-5125	38
ESR-152	38
ESR-5125	38
ET64220	176
F125	73
F125B	72
F250	73
F250B	72
F400	73
F400B	68

PART #	PG
F600	73
FC1	71, 72, 74
FC10	71, 74
FC11	71, 74
FC1-10	69
FC12	71, 74
FC2	71, 74
FC3	71, 74
FC4	71, 74
FC5	71, 74
FC6	71, 74
FC7	71, 74
FC8	71, 74
FC9	71, 74
FLT-10	118
FLT-20	118
FLX-1007	166
FLX-3810	166
FLX-5007	166
FLX-757GR	166
FLX-757GRV	183
FP159-3	169
FP159-6	169
FPE-20	130
FSP-AST	166
FTB-10	80
FTF-200	79
FTL-5	80
FTN-100R	76
FTS-100GR	77
FTS-125R	76
FTS-200GR	77
FTS-250R	76
FTS-50B	78
FTS-65R	76
FTW-10	77
FTX-12L	81
FTX-15GL	81
FTX-312	182
GAK-1/0	12
GAK-2	12
GAK-2/0	12
GAK-4/0	12
GAT-3400	133, 135, 143
GBRX-301	128
GBT-3502	142, 143
GBT-500A	142, 143
GBX-300	128
GBX-TK	17
GC-1000	128
GC-375	128
GC-500	128
GCC-120	158
GCC-220	158
GCC-310	158
GCC-410	158
GCC-510	158
GCC-610	158
GCM-221	141, 143
GCM-500	141, 143
GCP-3400	127
GCT-3304	133, 135, 143
GCV-3206	133, 134, 143
GDC-2W2G	177
GDC-3W2G	177
GDC-4W2G	177
GDC-6C	177
GDC-6CM	177
GDC-FAM	177
GDT-311	140, 143
GDT-3190	140, 143
GDT-3200	140, 143
GES-224	120
GES-55	120
GESP-224	120
GESP-55	120
GESP-70	120
GET-3100	133, 143
GET-3202	133, 143
GET-3206	133, 134, 143
GET-3213	133, 134, 143
GET-4220K	138, 143
GFI-3501	137
GGC-1508	14
GGP-1261	14
GGP-1273	14
GGP-1282	14
GGP-1461	14
GGP-1502	14
GGS-1032HC	14
GGS-1512R	14
GHG-1525	168
GHG-1538	168
GHG-1550	168
GHG-1575	168
GHG-AST	168
GHS-1510	169
GKC-100A	129
GKK-1538	167
GKK-1538UVB	167
GKK-1550	167
GKK-1575	167
GMC-1145	125
GMC-1145D	179
GMC-2000D	179
GMC-88C5	180
GMC-88C6	180
GMC-88M5	180
GMC-88M6	180
GMT-312	139, 143
GMT-318	139, 143
GMT-319	139, 143
GPC-200	129
GPS-3214	127
GPS-3219	127
GPS-3220	126
GPS-3228	126
GPS-3238	126
GPT-70	119
GPT-80	119
GPT-90	119
GRC-750	129
GRT-3500	137
GRX-3224	123
GS-355	121
GS-359	124
GS-359D	178
GS-360	121
GS-361	121
GS-365	122
GS-366	123
GS-370	122
GS-385	126
GS-386	126
GS-387	127
GS-388	128
GS-389	178
GS-394	122
GS-40	121
GS-67K	21
GSBC-1/0	12
GSBC-2	12
GSBC-2/0	12
GSBC-3/0	12
GSBC-4	12
GSBC-6	12
GSBC-8	12
GSE-105	158
GSE-15310	157
GSE-15410	157
GSE-170	158
GSE-205	158
GSE-250	158
GSE-304	158
GSE-310	157
GSE-330	158
GSE-402	158
GSE-410	157
GSE-505	158
GSE-710	157
GSLU-125	13
GSLU-25	13
GSLU-35	13
GSLU-70	13
GSP-04	172
GSPA-0	13
GSPA-2	13
GSPA-4/0	13
GST-224M	118
GST-55M	118
GST-70M	118
GSW-10	28
GSW-11	28
GSW-110	28
GSW-114	29
GSW-117	28
GSW-12	28
GSW-120	28
GSW-121	28
GSW-123	28
GSW-124	28
GSW-125	28
GSW-125BP	28
GSW-13	28
GSW-14	28
GSW-15	28
GSW-16	28
GSW-17	28
GSW-18	28
GSW-19	29
GSW-20	29
GSW-21	30
GSW-22	29
GSW-23	29
GSW-24	30
GSW-24BP	30
GSW-25	30
GSW-26	32
GSW-31	30
GSW-31BP	30
GSW-32	30
GSW-32BP	30
GSW-33	31
GSW-34	31
GSW-35	30
GSW-39	31
GSW-41	31
GSW-42	31
GSW-45	31
GSW-48	31
GSW-49	31
GSW-61	32
GSW-62	32
GSW-63B	32
GSW-68	32
GSW-69	32
GSW-69BP	32
GSW-SK	32
GTA-2	13
GTA-2/0	13
GTB-406	20
GTB-408	20
GTB-410	20
GTB-667P	163
GTF-300	164
GTF-600	164
GTG-667P	163
GTN-667P	163
GTO-667P	163
GTP-307	163
GTP-307D	163
GTP-307WD	163
GTP-607	163
GTP-607P	163
GTPC-512	163
GTPC-550	163
GTPS-100	124
GTPS-3100	179
GTPS-3200	124, 179
GTR-667P	163
GTW-667P	163
GTY-667P	163
GVD-3504	133, 136, 143
GVD-3505	133, 136, 143
GVT-392	133, 135, 143
H8210	52
H864	52, 103, 109
HC913	42-48, 52
HC927	40, 52
HC963	52
HF100	52
HF101	52
HS-8512	83, 84, 91
HS-8518	91
HS-8524	91
HSB-28	22
HST-093	165
HST-100	165
HST-101	165
HST-102	165
HST-107	165
HST-125	165
HST-1300	22
HST-187	165
HST-250	165
HST-375	165
HST-500	165
HST-750	165
HST-999	165
HST-AST	165
HST-WP	22
HTP-1010	164
HWT-0722	166
HWT-1138	166
HWT-1550	166
IS-15	38
IS-2	38
ISR-152	38
ITC-RG-6	176
ITC-RG-6C	176
JLP10	80
JLP5	80
JO225LC	71
JO25	72
JO25A	72
JV07	69
JV08	69
JV09	69
JV12	69
JV210	69
K88001	106
K88004	106
K88007	105, 122
K88008	106
K88020	104, 105, 109
KC3540	103, 110
KD1000B	103-107
KD1250B	103-107
KD1500B	103-107
KD1732B	107
KD2000B	103-107
KD2500	103, 106, 107
KD3000	103, 106, 107
KD3500	103, 106, 107
KD4000	103, 106, 107
KD500B	103-107
KD750B	103-107
KDS1000	109, 112
KDS1250	109, 112
KDS1500	109
KDS2000	109
KDS500	109, 112
KDS750	109, 112
KF-200	130
KKT316	107
KLP2	104
KLP2K1	104
KLP6	104
KO701	168
KO701C	168
KO702	168
KO702C	168
KO703	168
KO704	168
KO705	168
KO706	168
KO707	168
KO708	168
KO709	168
KO710	168
KOF520	103
KOF540	103
KOH14A	103
KOH2540	106
KOH520A	103
KOH540A	103
KOM152	106
KOM1732	107
KOM200	107
KOM250	107
KOM300	107
KOM350	107
KOM400	107
KOM50125	106
KOR14	105
KOR152	105, 110
KOR50	105, 110

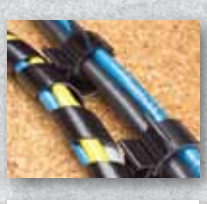
PART #	PG
KOR520	105
KOR75125	105, 110
KOS-1000B	107
KOS-1250B	107
KOS-1250DS	107
KOS-1500B	107
KOS-1500DS	107
KOS-500B	107
KOS520	104
KOS5290	104
KOS-750B	107
KOW520	105
KP1000B	103-107
KP1250B	103-107
KP1500B	103-107
KP1732B	107
KP2000B	103-107
KP2500	103, 106, 107
KP3000	103, 106, 107
KP3500	103, 106, 107
KP4000	103, 106, 107
KP500B	103-107
KP750B	103-107
KPR7520	104, 109, 110
KPR7540	103, 109, 110
KPS1000	109, 112
KPS1250	109, 112
KPS1500	109
KPS2000	109
KPS50	103, 104, 109, 110
KPS500	109, 112
KPS750	109, 112
KS752B	105, 106, 107, 111-112
KSA50	104, 109, 110
KSB50B	105-107, 111-112
KSN2530	107, 111
KSN3540	107, 111
KSS50125	112
KSS520	109
KSS520A	109
KW52	105
LP1701	75
LP1701B	72
LP1702B	72
LP1722	75
LP2150	69, 71, 72, 74
LP2206T	69, 71, 74
LP2207T	69, 71, 74
LP2208T	71, 74
LP3200	71, 72
LP3200B	69
LP3300	71, 74
LP3450	69, 74
LP4200	69
LP4300	71, 72, 74
LP4450	69, 74
LTB-400	164
LTG-400	164
LTR-400	164
LTS-600	164
LTW-400	164
M2000	73
M3000	73
M4000	73
M5000	68, 73
M6000	68, 73
MB-20	151
MCS-100W	157
MCS-20W	157
MMS-3101	156
MMS-3102	156
MPS-2080	155
MPS-2080V	181
MPS-2100	155
MPS-2125	155
MPS-2125V	181
MS-150	156
MS-1550	156
MS-1555	156
MS-1575	156
MS-1577	156
MS-175	156
MS-450J	156
MS-500J	156
MS-550	156
MS-575	156
MS-950B	156
MS-950BU	156
MS-975B	156
MSB-1540	160
MSG-301	156
MSG-501	155
MSG-501V	181
MSI-150	156
MSI-1525	156
MSI-200J	156
MSI-50B	156
MSI-550	156
MSI-950B	156
MSTR-TORCH	17, 164
MSW-1540	160
NP-1	108
NPR-1	108
NYD-100	80
NYD-50	80
OX-100	14
OX-100B	14
OX-400	14
OX-800	14
P208J	49
P408S	49
PCC-1525	158
PCC-300	158
PCS-100	160
PCS-1525	160
PCS-1600	160
PCS-300B	160
PCS-3600	183
PDB-110	125
PDB-3110	175
PDB-66110	125, 175
PDC-1525B	160
PDS-1525B	160
PDT-110	125
PDT-110LC	125
PDT-3110	175
PDTL-3110	175
PE20D	50
PE22J	50
PEC-31525	183
PF65	51, 103
PGJ-025	90
PGJ-037	90
PGJ-050	90
PGJ-062	90
PGJ-075	90
PGJ-100	90
PGK-050	90
PGK-062	90
PGK-075	90
PGK-100	90
PGK-150	90
PGK-200	90
PGK-250	90
PGK-300	90
PGK-350	90
PGK-400	90
PGT-075	90
PGT-100	90
PGT-150	90
PGT-200	90
PGT-250	90
PGT-300	90
PGT-350	90
PGTS-050	90
PGTS-062	90
PGTS-075	90
PGTS-100	90
PGTS-150	90
PGTS-200	90
PGTS-250	90
PGTS-300	90
PGTS-350	90
PH20	51, 103, 109
PH39	51
PH80	51
PL102	75
PL102B	75
PL232B	75
PL235	75
PL235B	75
PLT-1525	159
PLW-1525	159
PMB-1525	159
PMC-1525W	159
PMW-100	159
PPC-1525	167
PPC-1525UVB	167
PPC-1538	167
PPC-1538UVB	167
PPC-1550	167
PPC-1550UVB	167
PPC-1575	167
PPC-1575UVB	167
PPC-1600	167
PPR-1550	167
PPR-1575	167
PPR-1600	167
PS-150	157
PS-150Z	157
PS-150ZJ	157
PS-1550	157
PS-1575	157
PS-175	157
PS-175Z	157
PS-175ZJ	157
PS-225J	157
PS-250	157
PS-275	157
PS-50	157
PS-550	157
PS-575	157
PS-75	157
PS-750B	157
PSB-100	158
PSB-160	159
PSB-1600	159
PSB-165	158
PSB-1650	158
PSG-100	158
PSG-15	158
PSM-1550	158
PSR-25	160
PSW-100	158
PSW-160	159
PSW-1600	159
PSW-165	158
PSW-1650	158
PSW-200J	158
PSW-3650	183
PT2000M	82
PTM-25	159
PTP-25	159
PTP-250J	159
PTP-325	183
PVR-152	38
PVR-5125	38
PVS-152	38
PVS-5125	38
PWS-1525	160
RGP-2525	94
RGP-2560	94
RGP-3825	94
RGP-3860	94
RGP-50120	94
RGP-5025	94
RGP-5060	94
RGP-7530	94
RGP-7560	94
RK-6	130
RKT-21	117
RS-152	37
RS-5125	37
RSR-152	37
RSR-5125	37
RST-5030	93
RST-5060	93
RST-7530	84, 93
RST-7560	84, 93
RST-7830	93
RsT-7860	93
RTL-103	142
RTL-107	142
RTL-108	142
RTL-200	142
RTP-3830	94
RTP-5030	94
RTP-7530	94
RTS-100	79
RTS-200	79
RTS-50B	79
RTX-100	79
RTX-200	79
RV5	72
S-8512	83, 84
SB-205	112
SB-207	112
SB-209	112
SB-210	112
SCE-3260	129
SCE-3262	129
SDT-10	119
SDT-3	119
SDT-6	119
SE-398	177
SE-92	121
SE-98	124
SI-25	113, 168
SK-632	171
SK-832	171
SK-832WP	171
SP3500	108
SP-7	113
SPD-10L	125
SPD-438	108
SPD-563	108
SPD-688	108
SPD-813	108
SPK10	108
ST40	75
TK-100	21
TK-1210	21
TK-1614	21
TK-175	21
TK-1822	21
TK-32	21
TK-40	21
TK-500	21
TK-806	21
TK-QC	21
TM5	91
TRJ-56	96
TRJ-96	96
TT-10B	129
TT64202	176, 180
UG12	71
UG121112	71
WCM-10	98
WRR-100	96
WRR-300	96
WSP-100E	97
WSP-115	97
WSP-140	97
WSP-144	98
WSP144010	99
WSP144050	99
WSP144251	99
WSP144253	99
WSP144254	99
WSP-150	98
WSP1502517	99

GB®
Gardner Bender

USA
PO Box 3241
Milwaukee, WI 53201-3241
800.624.4320
Fax 800.799.3779

www.gardnerbender.com

CANADA
6615 Ordan Drive, Units 14-15
Mississauga, Ontario
L5T 1X2 Canada
905.564.5749
Fax 905.564.0305












Catalog # GAR_CAT_002_0310
©2010 Gardner Bender™