

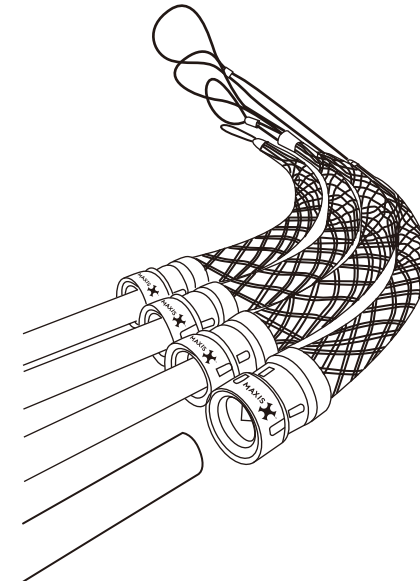


Southwire™

TOOLS & EQUIPMENT

OPERATING and MAINTENANCE INSTRUCTIONS

MAXIS® Grips
(GP110/GP00AA/GP101A
/GP102B/GP103C/GP104D)



Southwire™

TOOLS & EQUIPMENT

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04/17

GP110/GP00AA/GP101A/GP102B/GP103C/GP104D Manual



**READ AND UNDERSTAND ALL OF THE
INSTRUCTIONS AND SAFETY INFORMATION IN
THIS MANUAL BEFORE OPERATING OR
SERVICING THIS TOOL**



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SAFETY FIRST

Safety is essential in the use and maintenance of Southwire Contractor Equipment. This instruction manual and any markings on the tool provide information for avoiding hazards and unsafe practices related to the use of this tool. Observe all of the safety information provided.

SAFETY ALERT SYMBOLS

These symbols are used to call attention to hazards or unsafe practices related that could result in injury or property damage. The three safety words defined below indicate the severity of the hazard. The message after the signal word provides information for preventing or avoiding the hazard.



DANGER – Immediate hazards, that if not avoided WILL result in severe injury or death.



WARNING - Hazards, that if not avoided MAY result in severe injury or death.



CAUTION – Hazards, or unsafe practices that, if not avoided MAY result in severe injury or death.

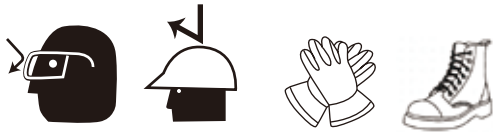
IMPORTANT SAFETY INFORMATION



WARNING

- Read and understand all instructions and safety information in this manual before operating or servicing this tool.

FAILURE TO OBSERVE THESE WARNINGS COULD RESULT IN SEVERE INJURY OR DEATH.



WARNING - Personal Safety Hazards

- Only qualified persons should use the Maxis® Grips
- Wear eye protection, hard hat, cut resistant gloves and safety toe shoes when using this tool.
- Do not use tool while tired or under the influence of drugs, alcohol, or medication.
- Keep body parts and loose clothing away from moving parts.
- Always follow safety procedures as shown in this manual.

FAILURE TO OBSERVE THESE WARNINGS COULD RESULT IN SEVERE INJURY OR DEATH.

⚠ DANGER: Electrical Shock Hazards.



- This is not an insulated tool, contact with live circuits could result in severe injury or death.

⚠ WARNING: Entanglement Hazard

IMPORTANT SAFETY INFORMATION

- Do not operate this tool while wearing loose fitting clothing. Retain long hair.
- **DO NOT INSERT FINGERS INTO END OF MAXIS® GRIPS**

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.

⚠ WARNING: Tool Use Hazards

- Use this tool for the manufacturers intended purpose only. Use other than that described in this manual can result in injury or property damage.
- Only qualified personnel should use Maxis® Grips.
- Inspect all aspects of the wire pull to ensure safety.

⚠ CAUTION:

- Read and understand all of the instructions and safety information in this manual before operating or servicing this tool.

FAILURE TO OBSERVE THESE CAUTIONS CAN RESULT IN INJURY OR PROPERTY DAMAGE

⚠ CAUTION: Make sure bystanders are clear of the work area when performing knockouts. Nearby personnel can be injured if there is flying debris.

- Do not use if any parts are damaged as this can cause an unsafe condition and lead to tool malfunction or failure.
- If tool is in disrepair, **DO NOT USE.** This tool is not repairable, replace complete grip.

FAILURE TO OBSERVE THESE CAUTIONS CAN RESULT IN INJURY OR PROPERTY DAMAGE

PURPOSE OF THIS MANUAL

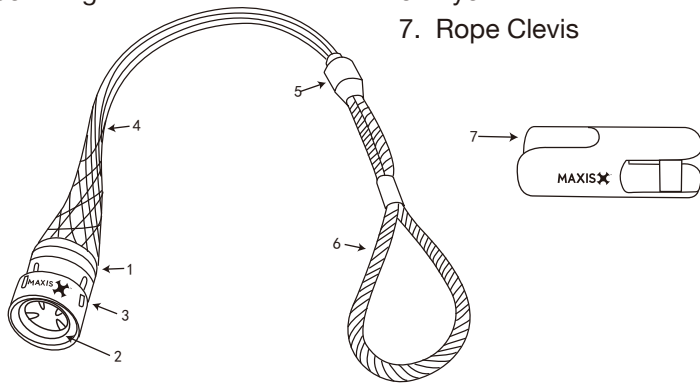
This manual is intended to familiarize all personnel with the safe operation and maintenance procedures for the following Southwire Tools and Equipment: Maxis® Grips.
Keep this manual available to all personnel. Replacement manuals are available upon request at no charge at www.southwiretools.com.

DESCRIPTION OF OPERATION

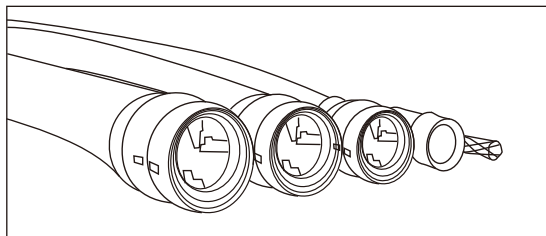
The Maxis® Grips uses a double lock system to securely attach electrical cable to pulling rope for quick and secure cable pulling into conduit or cable tray..

IDENTIFICATION

- | | |
|----------------|------------------------|
| 1. Cam Housing | 4. Double Braided Mesh |
| 2. Cams | 5. Crimp |
| 3. Lock Ring | 6. Eye |
| | 7. Rope Clevis |



GRIPS SIZES D, C, B, A, & AA



MAXIS GRIPS CABLE SIZE GUIDE

THHN	Maxis Size Grip	SIMpull AL THHN	Maxis Grip Size	Minimum Size Conduit Using 4 Grips and Jacket
1/0	AA	2/0	AA	
2/0	AA	3/0	AA	
3/0	A	4/0	A	3
4/0	A	250	A	3
250	B	300	B	3
300	B	350	B	3
350	B	400	B	3
400	C	500	C	3
500	C	600	C	3-1/2
600	D	750	D	4
750	D	900	D	4

SIMpull CU XHHW	Maxis Size Grip	SIMpull AL XHHW	Maxis Grip Size	Minimum Size Conduit Using 4 Grips and Jacket
1/0	AA	2/0	AA	
2/0	AA	3/0	AA	
3/0	A	4/0	A	3
4/0	A	250	A	3
250	B	300	B	3
300	B	350	B	3
350	B	400	B	3
400	C	500	C	3
500	C	600	C	3-1/2
600	D	750	D	4
750	D	900	D	4

CU USE	Maxis Size Grip	AL USE	Maxis Grip Size	Minimum Size Conduit Using 4 Grips and Jacket
1/0	AA	2/0	AA	
2/0	AA	3/0	AA	
3/0	A	4/0	A	
4/0	A	250	A	3
250	B	300	B	3
300	B	350	B	3
350	B	400	B	3
400	C	500	C	3
500	C	600	C	3-1/2
600	D	750	D	3-1/2
750	D			4

MAXIS GRIPS OD RANGE		
Size	Min Dia	Max Dia
AA	0.474	0.624
A	0.568	0.673
B	0.678	0.809
C	0.821	0.976
D	0.983	1.191

SET UP AND OPERATION

1. Check the Size Guide to determine the correct Maxis® Grip to use.
2. Ensure the cams inside the housing and the lock ring is in the down position (Fig 1)
3. Push wire up through the Cam Head and through Double Braided Mesh. Leave at least one inch of room at the end of the mesh (Fig 2).
4. Add a few wraps of electrical tape around Lock Rings for added protection (Fig 3).
5. Secure rope clevis to Grips pulling eyes and pulling rope. Rope size will determine which rope clevis to use (Fig 4).
6. To prolong the life of the Grips secure conductors and Grips together with tape. Keep Grips clean by reversing the first layer of tape with the sticky side up then reverse the taping with the sticky side down (Fig 5).
7. Ready to feed wire.

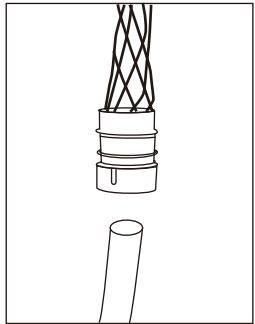


Fig. 1

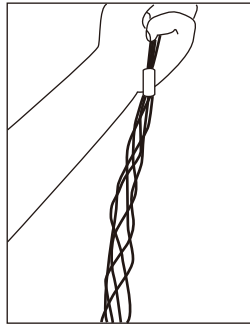


Fig. 2

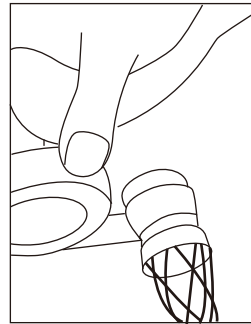


Fig. 3

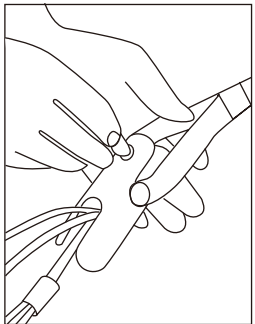


Fig. 4

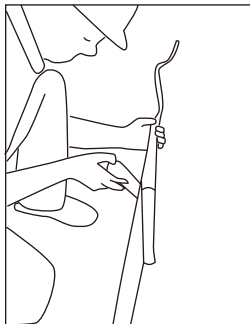


Fig. 5

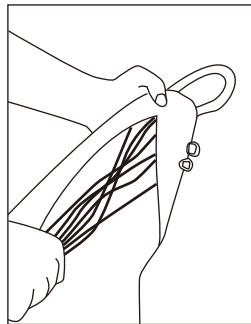


Fig. 6

SET UP AND OPERATION

MAXIS® PULLING JACKET (Optional)

1. When using the Maxis® Pulling Jacket follow steps 1-4 from above.
2. Use your discretion when choosing the correct jacket size.
3. Place Grips and wire into Jacket, feed pulling eyes through top opening (Fig 6).
4. Attach rope clevis to Grip pulling eyes and Jacket pulling eyes (Fig 7).
5. Roll up Jacket tightly closing the hook and loop material securely around the Maxis® Grips (Fig 8).
6. Attach rope to Rope Clevis (Fig 4).
7. Ready to feed wire (Fig 9).
8. **WARNING:** Maxis® Jacket should only be used in conduit 3" or larger. Make sure there is enough room in conduit for Grips, wire and Jacket, use your discretion.

REMOVING WIRE FROM MAXIS® GRIPS

1. Remove electrical tape around lock rings or open Maxis® Jacket (if used).
2. Hold Maxis® Grips with the Cam Housing in a downward position and push up the lock ring (Fig 10).
3. Push down on the mesh while twisting the wire to release the cams (Fig 11).
4. Push the lock ring back down to ensure cams are locked in the outward position (Fig 12).
5. Push down on the mesh to loosen wire then pull free (Fig 13).

Additional Help

1. Use the right size Grip with your wire by using the Maxis® Grip Size Guide.
2. Small clevis is rated for 6,000lbs. Large clevis is rated at 10,000lbs.
3. When possible use the smaller rope clevis and pulling jacket.
4. Don't use the Maxis® Pulling Jacket in conduit smaller than 3" in O.D.
5. If using AA Grips for smaller runs or ground wire be sure to wrap electrical tape around cable and wire mesh for added security.
6. Complete Grips sets include extra Lock Rings, however if a lock ring is not available wrap a few rounds of electrical tape around the Cam Housing before and after the wire is inserted.
7. When using parallel reels attached the first conductor to the shortest grip and then cut off the 2nd, 3rd, and 4th conductor at 6", 12", and 18" to accommodate the Grips stagger.

MAINTENANCE

1. If using pulling lube, remove excess from Maxis® Grips after each cable pull.
2. Make sure lock rings are tight and secure to cam housing. If they become loose or broken please replace.

SPECIFICATIONS

- Model# GP110
- Stock # 56-82-27-01
- Height – 9.5"
- Width – 36"
- Depth – 7.5"
- Weight – 35lbs
- Grips Capacity – 4000lbs per conductor
- Patent- US 8459612 B2

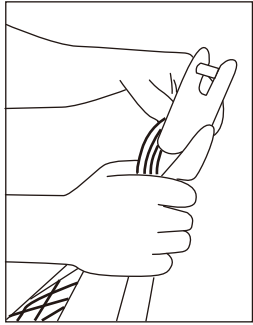


Fig. 7

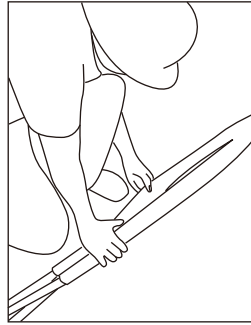


Fig. 8

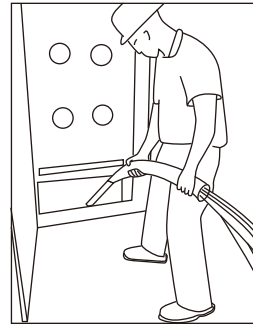


Fig. 9

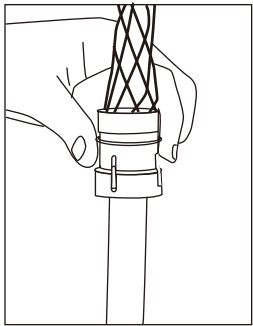


Fig. 10

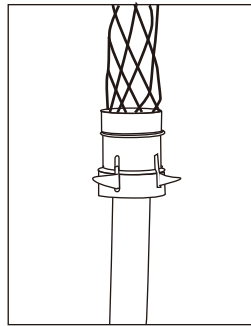


Fig. 11

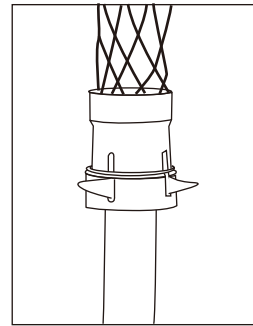


Fig. 12

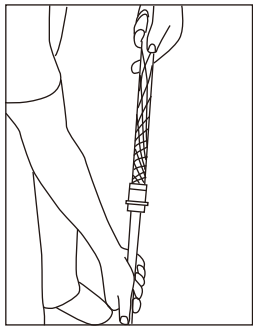


Fig. 13

WARRANTY ON SOUTHWIRE CONTRACTOR EQUIPMENT

What Does This Warranty Cover?

Five-Year Limited Warranty on Contractor Equipment

Under Southwire's Contractor Equipment 5-Year Limited Warranty, Southwire Company, LLC warrants that all Southwire Contractor Equipment will be free from manufacturer defects for a period of five (5) years from the date of the original end user's purchase. However, electrical components and consumable parts such as ropes, blades, dies, draw studs, grips, are excluded from this 5-Year Limited Warranty and are subject to the One -Year warranty terms. Under this 5-Year Limited Warranty, the following are also excluded and Southwire Company, LLC will have no liability for any of the following: normal wear and tear resulting from product use and damage arising out of misuse, abuse, modification, and improper product maintenance. This warranty also does not cover Southwire Contractor Equipment products that have been modified by any party other than Southwire Company, LLC or its authorized third party designee. This 5-Year Limited Warranty is not transferrable to or enforceable by any person other than the product's original end user.

One-Year Limited Warranty on Electrical Components and Consumable Parts (with 5-Year warranty)

Under Southwire's 1-Year Limited Warranty, Southwire Company, LLC warrants that all electrical components and consumable parts such as ropes, blades, dies, draw studs, grips will be free from manufacturer defects for a period of one-year from the date of the original end user's purchase. Under this 1-Year Limited Warranty, Southwire Company, LLC will have no liability for any of the following: normal wear and tear resulting from product use and damage arising out of misuse, abuse, modification, and improper product maintenance. This warranty also does not cover Southwire electrical components and consumable parts that have been modified by any party other than Southwire Company, LLC or its authorized third party designee. This 1-Year Limited Warranty is not transferrable to or enforceable by any person other than the product's original end user.

Exclusion of Incidental, Consequential, Indirect, Special and Punitive Damages

SOUTHWIRE MAKES NO WARRANTY THAT SOUTHWIRE CONTRACTOR EQUIPMENT PRODUCTS WILL BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. SOUTHWIRE MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, OTHER THAN THE RELEVANT WARRANTY SPECIFICALLY SET FORTH IN THIS WARRANTY SECTION. SOUTHWIRE WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES FOR ANY BREACH OF THIS LIMITED LIFETIME WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Warranty Claim Information/How Do You Get Service?

For all warranty, customer service, and product return authorizations and inquiries, please contact Southwire's Tools & Assembled Products at:
Southwire Tools & Assembled Products
840 Old Bremen Road
Carrollton, GA, 30117
Phone Number: 1.855.SW.Tools

1. All warranty claims must be approved by Southwire's Tools & Assembled Products Warranty Department prior to return of product. If Southwire determines that a product is defective, Southwire will, at its option, repair or replace defective products or defective product components, free of charge.
2. Upon approval, Southwire will issue a Product Return Authorization Form which will include instructions on how and where to return the product. **The product serial number and the original date of delivery must be set forth on the Product Return Authorization Form.**
3. Southwire will cover standard freight charges (Ground Courier Rate) incurred in connection with products that Southwire ultimately determines to be defective.
4. All defective components and defective products that Southwire replaces under these Warranties will become Southwire's property and will be retained by Southwire.

Repair Your Product When it is Out of Warranty

Southwire is happy to provide information about where a purchaser can send a product for repair at consumers' own expense, please contact 1.855.SW.tools or visit www.southwiretools.com/tools/home.do for more information about servicing for Southwire Products.