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**DGOL 43237-2**

# DGOL Stainless Steel SWG Sheet Metal Wire Cable Gage Instruction Manual

## INTRODUCTION

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This manual provides instructions for the proper use and care of your DGOL Stainless Steel SWG Sheet Metal Wire Cable Gage. This precision tool is designed for accurately measuring non-ferrous wire and metal, such as copper and brass, as well as uncoated sheet, plate iron, and steel. Adhering to these instructions will ensure accurate measurements and extend the lifespan of your gauge.



Image: The DGOL Stainless Steel SWG Sheet Metal Wire Cable Gage, a round, silver-colored tool with various slots and markings for measurement.

## PRODUCT FEATURES

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- **Material:** Constructed from durable stainless steel for longevity and resistance to corrosion.
- **Dual Marking:** Features both SWG (Standard Wire Gauge) from 0-36 and an inch scale from 0.3125" to 0.007".
- **Clear Markings:** Numbers and letters are clearly etched and shining for easy readability.
- **Versatile Use:** Suitable for gauging non-ferrous wire and metal (copper, brass), as well as uncoated sheet, plate iron, and steel.
- **Storage:** Includes a protective pouch for safe storage and transport.

## SETUP

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The DGOL Stainless Steel SWG Sheet Metal Wire Cable Gage requires no assembly. Simply remove the gage from its protective pouch before use. Ensure the gage is clean and free from any debris that might affect measurement accuracy.

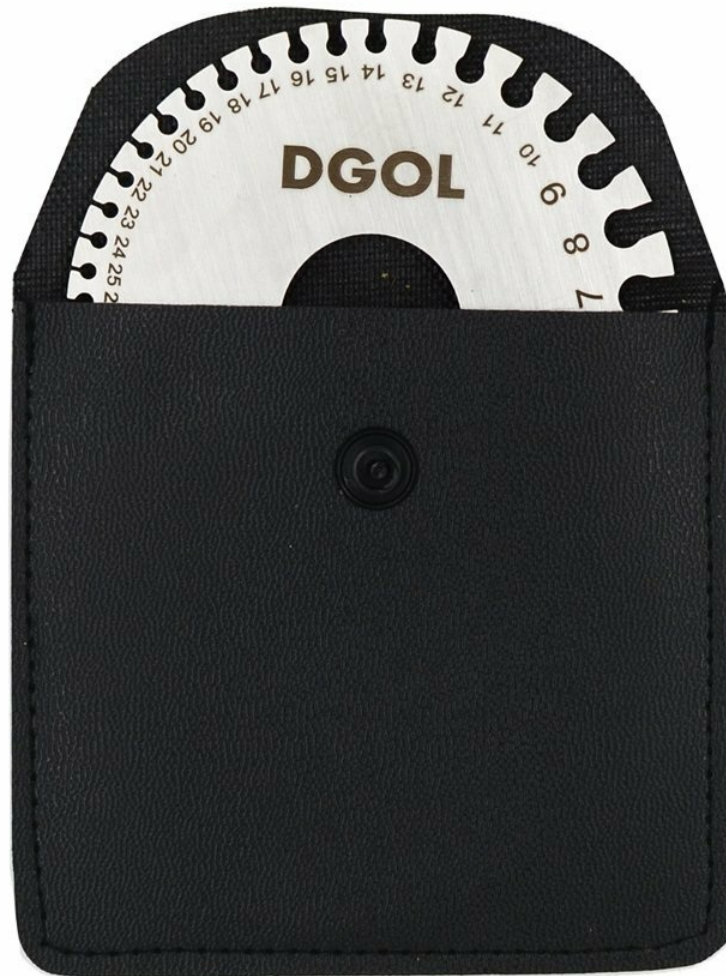


Image: The DGOL gauge partially inserted into its black protective pouch, demonstrating how it is stored.

## OPERATING INSTRUCTIONS

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To ensure accurate measurements with your DGOL gauge, follow these instructions carefully:

1. **Identify the Correct Measuring Method:** Always use the **slots** on the edge of the gauge to measure wire or metal thickness. Do **not** use the round holes for measurement. The round holes are for reference or hanging, not for gauging.
2. **Measure the Metal Part Only (for wire):** When measuring insulated wire, ensure you only measure the metal conductor part. Do not include the insulation (e.g., rubber or plastic coating) in your measurement, as this will lead to an inaccurate reading of the wire gauge.
3. **Insert and Find the Snug Fit:** Gently slide the wire or metal sheet into the appropriate slot. The correct measurement is indicated by the smallest slot that the material can pass through without force, providing a snug fit.
4. **Read the Measurement:** Once a snug fit is achieved, read the corresponding number next to the slot. This number represents the SWG or inch measurement.



Image: An illustration demonstrating the correct way to measure wire using the gauge's slots, highlighting that only the metal part of the wire should be measured and not the insulation. Examples show AWG 16, AWG 25, and AWG 3 wires being measured correctly.

# Do not use round hole to measure wire.

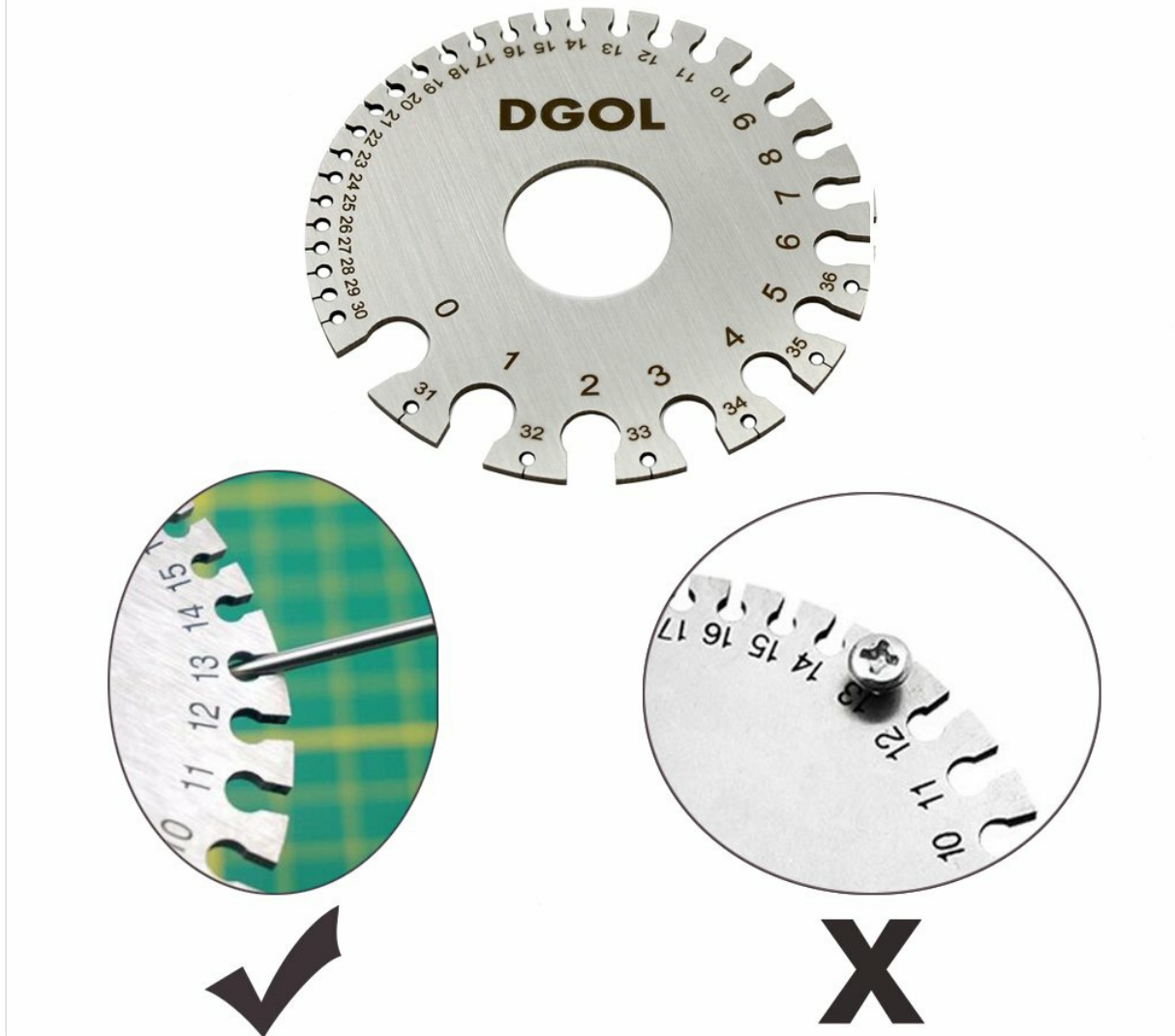


Image: An illustration showing the incorrect method of using the gauge, specifically warning against using the round holes for measurement and emphasizing the use of the slots for accurate readings.

## MAINTENANCE

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- **Cleaning:** Wipe the gauge with a soft, dry cloth after each use to remove any dust, dirt, or residue. For stubborn grime, a slightly damp cloth can be used, followed by thorough drying.
- **Storage:** Always store the gauge in its provided protective pouch when not in use. This prevents scratches, damage, and keeps the measurement markings clear.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners or harsh chemicals, as these can damage the stainless steel finish or degrade the etched markings.
- **Handle with Care:** While durable, avoid dropping the gauge or subjecting it to excessive force, which could deform the slots and affect accuracy.

## TROUBLESHOOTING

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### Inaccurate Wire Measurement

If you are experiencing inaccurate readings for wire, consider the following:

- **Are you using the slots?** Ensure you are inserting the wire into the V-shaped slots on the perimeter of the gauge, not the small round holes. The holes are not designed for accurate wire gauging.
- **Are you measuring the metal conductor?** For insulated wires, only the bare metal conductor should be measured. The insulation will add to the diameter and result in an incorrect gauge reading.
- **Is the fit snug?** The correct measurement is where the wire fits snugly into the slot without being forced or having excessive play.

## SPECIFICATIONS

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<b>Model Number</b>	43237-2
<b>Material</b>	Stainless Steel
<b>Color</b>	Silver
<b>Finish Type</b>	Polished
<b>SWG Scale</b>	0-36 Standard
<b>Inch Scale</b>	0.3125" - 0.007"
<b>Recommended Uses</b>	Gauging non-ferrous wire and metal (copper, brass), uncoated sheet, plate iron, and steel.
<b>Item Weight</b>	2.39 ounces
<b>Package Dimensions</b>	3.9 x 3.86 x 0.47 inches

## WARRANTY AND SUPPORT

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For information regarding warranty coverage or technical support for your DGOL Stainless Steel SWG Sheet Metal Wire Cable Gage, please refer to the seller's policies on the purchase platform or contact DGOL customer service directly. Contact details are typically available on the product packaging or the official DGOL website.