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TRUPER DLT-1700

Truper DLT-1700 Flap Disc User Manual

4 inch, 40 Grit, High Performance

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the Truper DLT-1700 Flap Disc. Please read these instructions carefully before operating the product. Proper understanding and adherence to these guidelines will ensure optimal performance and user safety.

2. SAFETY INFORMATION

Always prioritize safety when working with abrasive tools. Failure to follow these safety instructions may result in serious injury.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses or a face shield, hearing protection, gloves, and a dust mask, to protect against flying debris, noise, and dust.
- **Tool Compatibility:** Ensure the flap disc is compatible with your angle grinder in terms of size, arbor hole, and maximum RPM. Never exceed the maximum operating speed indicated on the disc.
- **Disc Inspection:** Before each use, inspect the flap disc for any damage, cracks, or wear. Do not use a damaged disc.
- **Secure Workpiece:** Always secure the workpiece firmly to prevent movement during operation.
- **Proper Mounting:** Mount the disc correctly onto the angle grinder spindle, ensuring it is seated properly and tightened with the appropriate flange and nut.
- **Avoid Excessive Pressure:** Apply moderate, consistent pressure. Excessive force can damage the disc, reduce its lifespan, and lead to loss of control.
- **Ventilation:** Work in a well-ventilated area to minimize inhalation of dust particles.

3. PRODUCT OVERVIEW

The Truper DLT-1700 is a high-performance flap disc designed for grinding and polishing various materials. Its construction ensures durability and efficient material removal.

3.1 Key Features

- Manufactured with high-performance zirconium abrasive flaps.
- Features a durable fiberglass backing.
- Type 29 design for optimal grinding angles.
- Leaves a semi-polished finish.
- Designed to minimize respiratory harm from generated particles.

3.2 Product Components



Figure 1: Truper DLT-1700 Flap Disc, showing its overall design and abrasive flaps.



Figure 2: Detailed view of the flap disc, highlighting its zirconium and ceramic abrasive material, maximum RPM (15,200), diameter (4 inches), arbor size (5/8 inch), and Type 29 classification.



Figure 3: Flap disc dimensions, illustrating the 4-inch outer diameter and 5/8-inch inner diameter (arbor hole).

4. SETUP

Follow these steps to properly install the flap disc on your angle grinder:

1. **Power Disconnection:** Always ensure your angle grinder is unplugged from the power source before attempting any installation or removal of accessories.
2. **Clean Spindle:** Clean the grinder's spindle and flanges to remove any debris that could prevent proper seating of the disc.

- Position Disc:** Place the flap disc onto the grinder's spindle, ensuring the arbor hole aligns correctly with the spindle. The label side of the disc should typically face outwards.
- Secure Flange and Nut:** Place the outer flange over the disc and thread the locking nut onto the spindle. Use the appropriate wrench (usually provided with the grinder) to tighten the nut securely. Do not overtighten.
- Check Rotation:** Ensure the disc is free to rotate and is properly centered.

5. OPERATING INSTRUCTIONS

Once the flap disc is securely installed, you can begin operation. Always follow the safety guidelines outlined in Section 2.

- Initial Start-up:** Before contacting the workpiece, turn on the angle grinder and allow the disc to reach full operating speed.
- Grinding Angle:** For optimal performance and disc life, hold the angle grinder at a 15-30 degree angle to the workpiece surface. This allows the flaps to work effectively.
- Movement:** Move the grinder smoothly and consistently across the workpiece. Avoid dwelling in one spot, which can cause heat buildup and damage to both the disc and the material.
- Material Removal:** The 40-grit disc is suitable for aggressive material removal and shaping. For finer finishes, a higher grit disc would be required.
- Cooling:** Allow the disc to cool periodically during extended use to prevent overheating.

6. MAINTENANCE

Proper maintenance extends the life of your flap disc and ensures consistent performance.

- Cleaning:** After use, gently brush off any accumulated dust or debris from the disc. Do not use harsh chemicals or solvents.
- Storage:** Store flap discs in a dry, cool place, away from direct sunlight and moisture. Keep them in their original packaging or a protective container to prevent damage.
- Inspection:** Regularly inspect discs for signs of wear, damage, or imbalance. Discard any disc that shows signs of damage or excessive wear.

7. TROUBLESHOOTING

If you encounter issues during operation, consider the following common problems and solutions:

- Poor Material Removal:**
 - Cause:* Disc is worn out or incorrect grit for the task.
 - Solution:* Replace the disc or use a coarser grit if more aggressive removal is needed.
- Excessive Vibration:**
 - Cause:* Disc improperly mounted, damaged, or unbalanced.
 - Solution:* Re-mount the disc, inspect for damage, or replace if necessary.
- Premature Disc Wear:**
 - Cause:* Excessive pressure, incorrect grinding angle, or using on unsuitable material.

- *Solution:* Reduce pressure, adjust grinding angle, and ensure the disc is appropriate for the material.

8. SPECIFICATIONS

Specification	Detail
Brand	TRUPER
Model Number	DLT-1700 (11670)
Size (Diameter)	4 inches (100 mm)
Arbor Hole (Inner Diameter)	5/8 inches (16 mm)
Grit Rating	40 (Medium)
Material	Zirconium, Ceramic
Disc Type	Type 29
Maximum RPM	15,200
Compatible Devices	Angle Grinder
Product Dimensions	16.99 x 9.4 x 13.79 cm; 90.71 g
Units in Package	1

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official Truper website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Truper Official Website: www.truper.com