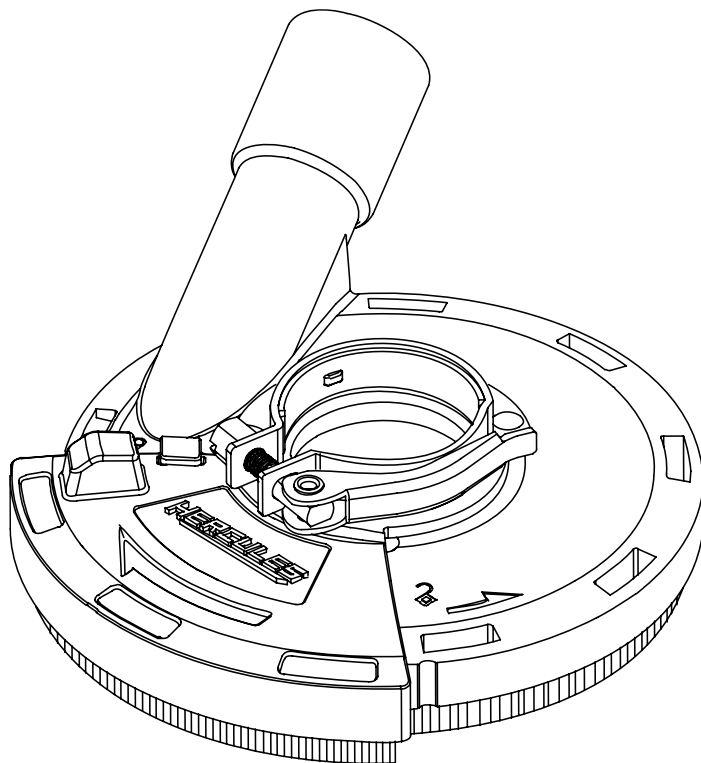


Model
HA024



4" -5" Surface Grinding Dust Shroud

⚠WARNING: To prevent serious injury, User must read and understand Owner's Manual. **SAVE THIS MANUAL.**

When unpacking, make sure that the product is intact and undamaged.
If any parts are missing or broken, please call 1-888-866-5797
as soon as possible. Reference 57486.

IMPORTANT SAFETY INFORMATION

WARNING


Read all safety warnings and all instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Shroud Safety Warnings

1. **Only attach shroud to 4" - 5" angle grinders with 4" - 5" diamond cup wheels installed. DO NOT install cut-off wheels, abrasive grinding wheels, or wires brush. DO NOT surface grind metal.**
2. Do not use in the presence of flammable liquids or gasses or on wet surfaces.
3. Use only identical replacement parts. Use of any other part will void warranty.
4. Use the right part for the job. Do not modify the Dust Shroud or use its parts for a purpose for which they were not intended.
5. Do not place the vacuum hose in walkways or in any trafficked location. Set up the Dust Shroud in a location where people or vehicles will not trip or run over the hose.
6. Keep hose away from sharp objects and excessive heat.
7. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
8. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
9. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
10. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Silicosis Safety Measures

Masonry grinding on materials such as concrete (which contains crystalline silica) can cause silicosis (a serious lung disease), cancer and death. To reduce crystalline silica exposures in the workplace and prevent silicosis and silicosis-related deaths:

1. Conduct air monitoring to measure worker exposures.
2. Use containment methods to control the hazard and protect adjacent workers from exposure.
3. Practice good personal hygiene to avoid unnecessary exposure to silica dust.
4. Wear washable or disposable protective clothes at the work site. Shower and change into clean clothes before leaving the work site to prevent contamination of cars, homes and other work areas. Avoid skin exposure.
5.  Always wear a NIOSH approved respirator and safety goggles. Ventilate the work area properly.
6. Provide periodic medical examinations for all workers who may be exposed to crystalline silica.
7. Post signs to warn workers about the hazard and to inform them about required protective equipment.
8. Provide workers with training that includes information about health effects, work practices and protective equipment for crystalline silica.
9. Report all cases of silicosis to State health departments and to OSHA or the Mine Safety and Health Administration (MSHA).



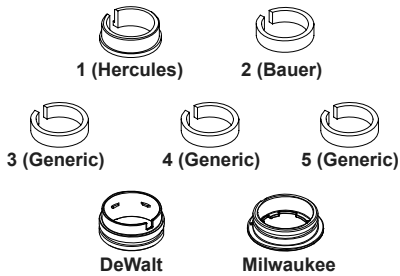
SAVE THESE INSTRUCTIONS

SPECIFICATIONS

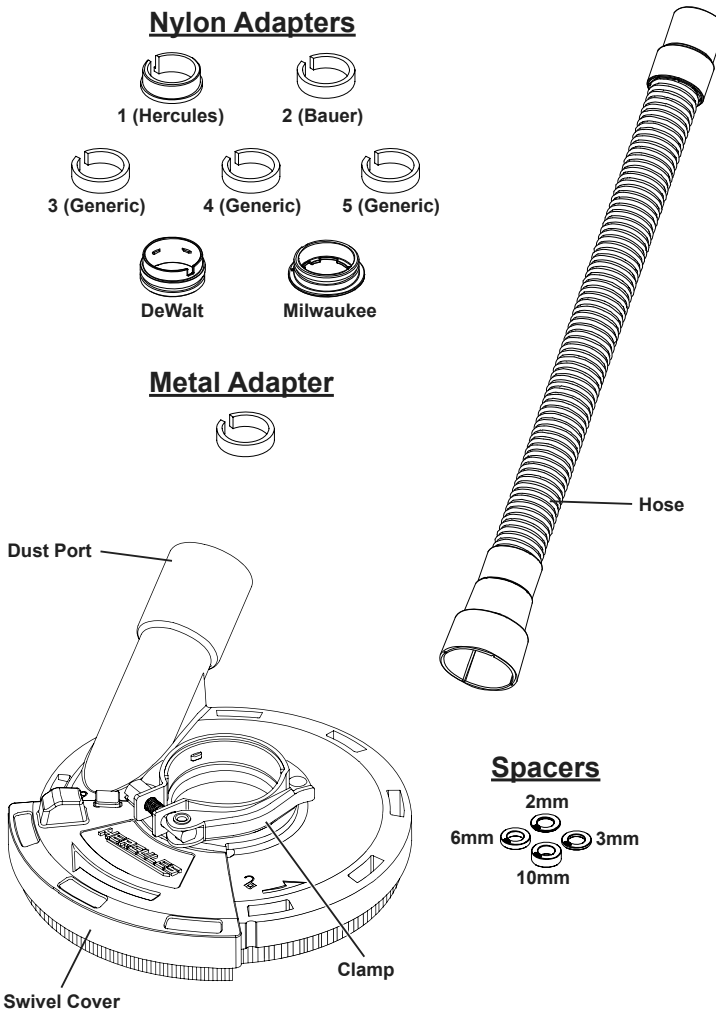
Compatible Dust Collection Hose Sizes	1-1/4", 1-7/8", 2-1/2"
Wheel Capacity	4" - 5"
Compatible Brands	Hercules Bauer Dewalt Milwaukee

FUNCTIONS

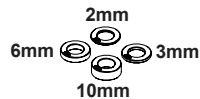
Nylon Adapters



Metal Adapter



Spacers



SETUP - BEFORE USE

⚠ WARNING

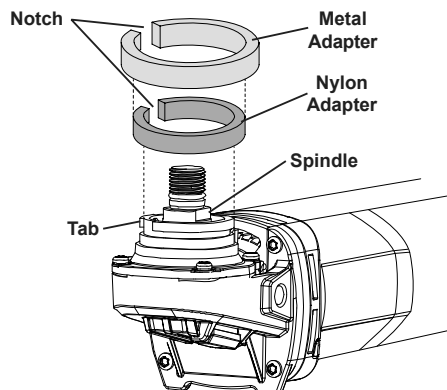
TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

Make sure that the Power Switch is in the off-position and unplug the grinder from its electrical outlet or remove its Battery Pack before performing any procedure in this section.

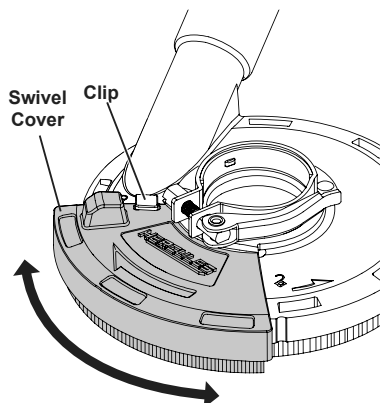
Attaching Dust Shroud to Right Angle Grinder

1. Remove the grinder's guard and any accessories.
2. Turn the grinder upside down and place on a level surface.
3. Install appropriate size Nylon Adapter around outside of spindle. Install Metal Adapter around Nylon Adapter (except for DeWalt and Milwaukee).

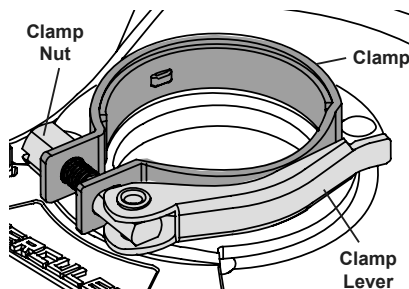
Note: DeWalt and Milwaukee specific Nylon Adapters do not require Metal Adapter.



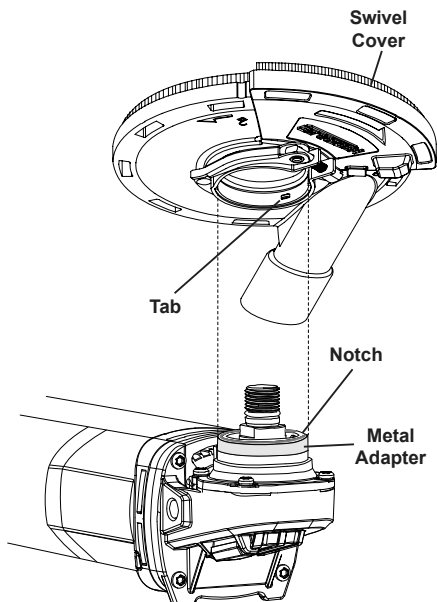
4. Close Swivel Cover by rotating until Clip clicks in place.



5. Open Clamp Lever and loosen Clamp Nut to allow enough room for grinder to fit securely within the Clamp.



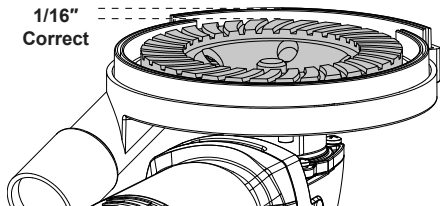
6. Turn Shroud upside down and place over grinder with Swivel Cover facing to front, lining up the Tab with the Notch on Adapter.
7. Turn grinder upright and make sure Shroud is fully seated. Close Clamp Lever, then tighten until Shroud is secure.



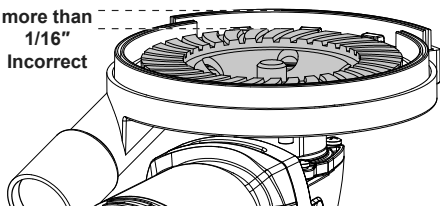
WARNING! TO PREVENT SERIOUS INJURY:
Only install 4" - 5" diamond cup wheels. DO NOT install cut-off wheels, abrasive grinding wheels, or wire brushes. DO NOT surface grind metal.

8. Attach diamond cup wheel to grinder according to instructions in the grinder's manual. The grinding surface should be approximately 1/16" below brush ends.

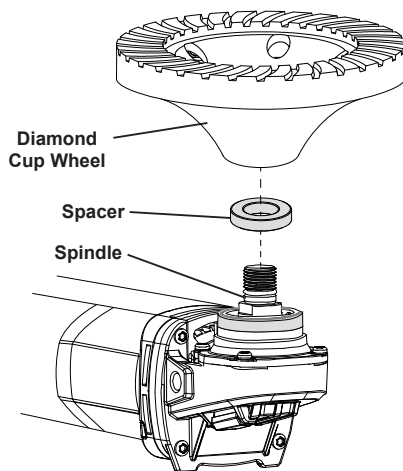
1/16"
Correct



more than
1/16"
Incorrect

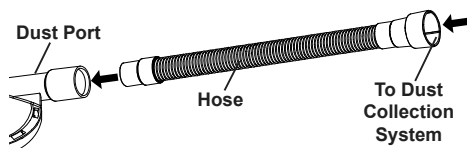


9. If accessory is more than 1/16" below brush ends, remove diamond cup wheel and add Spacer(s).



Dust Collection Instructions

Insert Hose into Dust Port. Connect Hose to dust collection system.



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OPERATION



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Workpiece and Work Area Set Up

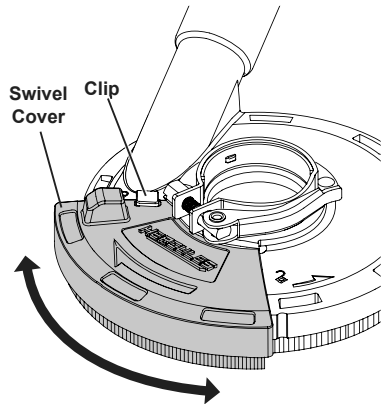
1. Concrete surface must be clean and dry.
2. Make sure work area is clean and well lit. The work area must not allow access by children or pets to prevent distraction and injury.
3. Route the power cord (if applicable) along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.
4. There must not be objects, such as utility lines, nearby that will present a hazard while working.

General Instructions for Use

WARNING! GRINDING DUST FROM SURFACE COATINGS CAN SELF-IGNITE. To prevent serious injury and death from fire, empty dust collection system frequently (at least every 10 minutes) during use and immediately after use. Put dust in a metal can with an airtight lid, and remove dust from premises daily. Keep a fully charged class ABC fire extinguisher in the vicinity of the work area.

1. Confirm all assembly is completed before operating grinder.

2. Turn on dust collection system according to manufacturer's instructions.
3. Connect grinder's power supply and turn on grinder according to manufacturer's instructions. Allow grinder to reach full speed before contacting workpiece.
4. Place Dust Shroud flat to workpiece and begin grinding the surface.
5. To access corners and other confined areas, open Swivel Cover by pushing firmly to release from Clip. When finished, close Swivel Cover by rotating until Clip clicks in place.



6. Once grinding is completed, turn off grinder and allow it to come to a complete stop before setting it down. Remove grinder's power supply.
7. Turn off dust collection system and disconnect from Dust Shroud. Clean then store Dust Shroud indoors away from children.

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MAINTENANCE AND SERVICING



Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠ WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

Turn the Power Switch of the tool off and unplug the appliance from its electrical outlet or remove its battery before performing any procedure in this section.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:

Do not use damaged equipment.
If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for:
 - loose hardware,
 - misalignment or binding of moving parts,
 - cracked or broken parts,
 - damaged electrical wiring, and
 - any other condition that may affect its safe operation.
2. **AFTER USE**, wipe external surfaces of the tool with clean cloth; if necessary, a mild detergent may be used. Store in an indoor dry area out of reach of children.

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Replacement parts are not available. Reference UPC 193175517975.

LIMITED 90 DAY WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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Visit our website at: <http://www.harborfreight.com>
Email our technical support at: productsupport@harborfreight.com
For technical questions, please call 1-888-866-5797

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