

# GRAPPLER®

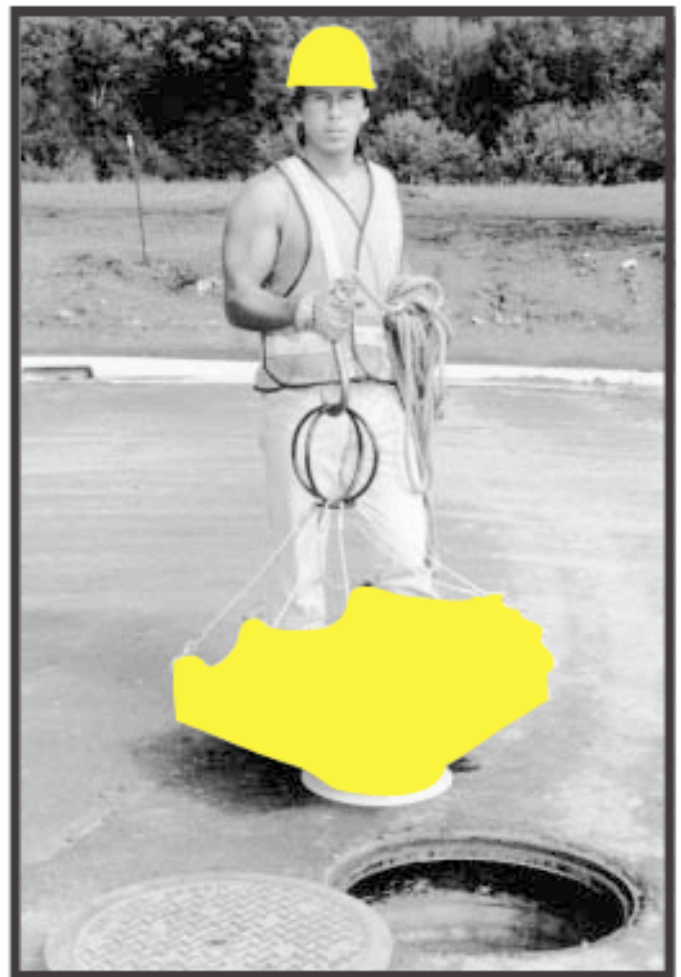
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## MANHOLE DEBRIS CATCHER

- **Reduce confined space entries** during routine manhole repairs avoiding possible injury or death.
- **Reduce sewer backups** related to messy repairs.
- **Save time and money** — no need to call in jetter or vac.
- **Easy to use** — fast removal of debris when rehabilitation is complete. Just pull out **Debris Catcher** with debris.
- **Built tuff** for long lasting use. See parts listing on back.

### INSTRUCTIONS FOR USE

1. Before starting rehabilitations, lower **Debris Catcher** with J-hook and rope to bottom of manhole (MH) structure.
2. Slowly allow basket to open, make sure **Debris Catcher** is laying flat.
3. Remove J-hook and rope. Start repairs.
4. When work is finished, pull out **Debris Catcher** with debris. Note: use of mechanical lifting source is recommended for removing debris. Take care to keep from hooking **Debris Catcher** on MH steps during removal.



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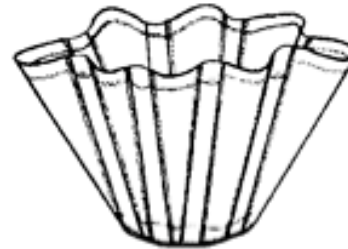
Fax: 952-949-1226

# MANHOLE DEBRIS CATCHER

## PARTS DESCRIPTIONS

### FABRIC

- **GRAPPLER Tuff Coat**, an industrial coated fabric of woven nylon and vinyl. Vinyl and nylon weave are vulcanized together to form an incredibly tough, tear resistant, canvas-like fabric. *Replaceable part: see support straps below.*



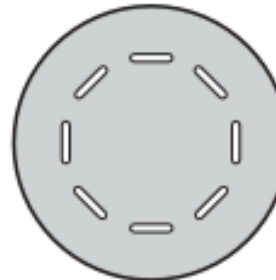
### SUPPORT STRAPS

- Four 2" wide latex treated nylon web straps with delta shaped Quick Links, provide total support for **Debris Catcher**. Quick Links for easy disconnecting from web strapping, this feature allows the fabric to be replaced as needed, while retaining the rest of the assembly, giving this tool a long and economical service life. Eight 1"x17" fiberglass support battens (not shown) contained within pockets under web straps.



### INVERT BRIDGE

- Located on the bottom of the fabric, it is held in place by the four support straps. Its 15" diameter bridges the invert to allow an unobstructed flow. Made from strong and flexible 3/16" HD plastic.



### CENTRAL LIFTING RING ASSEMBLY

- The spherical rings are strong 3/8" steel with an 8" diameter. It provides an easy to catch lifting point for a J-hook (*optional part available from GRAPPLER*). The 8" diameter keeps assembly from being buried. Attached directly to Central Lifting Ring are eight 3/16" cables, nylon coated to 1/4" for protection. *NOTE: all cables should be inspected before each use.*



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**SAFETY NOTE:** Retrieve debris in small quantities as it falls into manhole. Use of a mechanical lifting source (tripod winch, electrical winch, etc.) is recommended.

**ALWAYS!** Be prepared for confined space entry in case of emergency.

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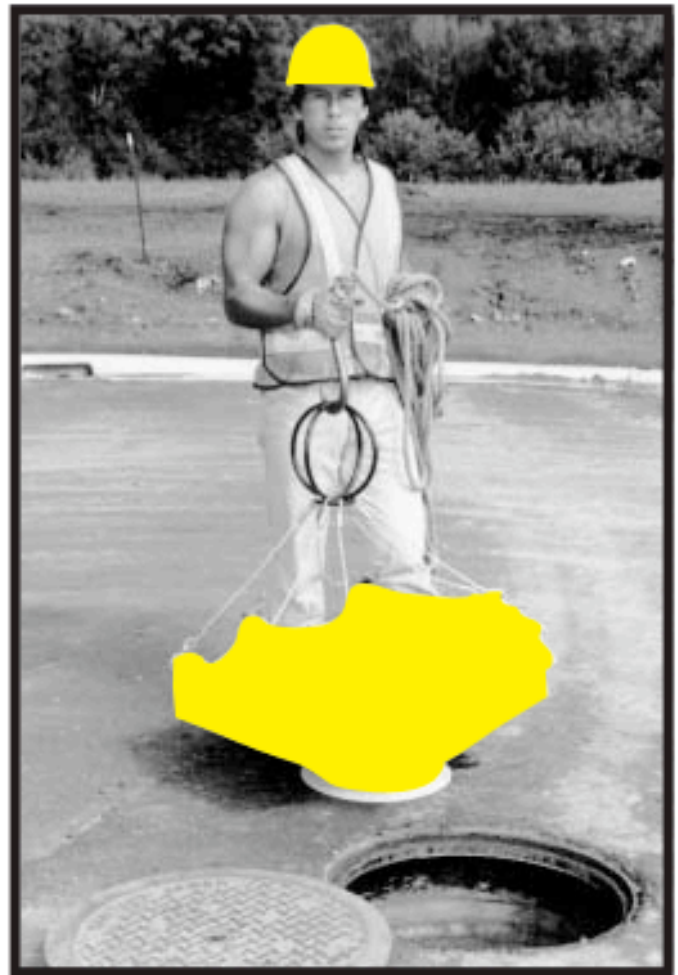
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