Manguard safety shields are one of the most versatile excavation safety systems in the industry. Manguards are specifically designed for personnel protection during manhole installations, line taps, vault placements and point repairs. Their cylindrical construction incorporates high-strength corrugated steel walls welded securely to rigid steel collars, with lifting eyes, stacking sockets and adjustable legs. Replaceable or permanent cut-outs are available to accommodate clearance of incoming services.

Manguards are light enough for installation with a rubber-tired backhoe and may be easily stacked in multiples for deeper applications. Standard models are available in 6', 8.5' and 10' diameters in both 4' and 8' heights. Custom units are also available for unique applications and site-specific needs.

Speed Shore Manguards . . . a solid investment in safety and productivity.

Manguards® Offer Superior Protection.

- Certification Plate
  is securely attached on inner sidewall for quick reference to shield size, serial number, P.E. certified capacity, and recommendations on use of the shield.

- High-Strength Corrugated Steel Construction
  assures the user of high capacity shielding in a rugged, field-proven product.

- Combination Lifting Eyes/Stacking Guides
  provide a secure attachment point for lifting slings, while their angled orientation assists in guiding one Manguard on top of another.

- Adjustable Leg Supports
  allow rapid adjustment of bottom clearance for incoming utilities. Legs may also be abandoned for poured-in-place slabs and structures.

- Quick-Connect Pins & Keepers
  provide for rapid interlock of stacked Manguards, and adjustment of leg heights.

- Flat Mating Surfaces (top & bottom)
  accommodate stacking and precise alignment of sockets.

- Optional Cut-Outs (three sides)
  allow flexibility to clear incoming services while maintaining maximum protection in the hole. Cut-outs may be ordered with replaceable bolt-on covers.
Manguard® Standard Features

- Lifting Eyes / Stacking Guides
- High-Strength Corrugated Steel Construction
- Factory Painted Exterior
- Replaceable Cut-Outs
- Adjustable Legs
- Certification Plate
- Quick Connect Pins and Keepers
- Flat Mating Surfaces
- Stacking Sockets / Leg Supports

CERTIFIED TO MEET OSHA REQUIREMENTS
# Manguard® Shield Specifications

## Manguard® with Replaceable Cut-Outs

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WEIGHT (Lbs.)</th>
<th>CAPACITY (Psf)</th>
<th>ALLOWABLE DEPTH (Ft.) by soil type*</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG - 06 x 8-RC-24/24/18</td>
<td>2000</td>
<td>1600</td>
<td>24 24 24 16</td>
</tr>
<tr>
<td>MG - 08.5 x 8-RC-40/40/24</td>
<td>2600</td>
<td>1600</td>
<td>24 24 24 16</td>
</tr>
<tr>
<td>MG - 10 x 8-RC-48/48/30</td>
<td>3100</td>
<td>1600</td>
<td>24 24 24 16</td>
</tr>
</tbody>
</table>

*Lbs. = Pounds per Square Foot All Manguards include 2 Stacking Pins (MGS) and 4 Legs (MGL).

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* Prior to use, refer to OSHA’s 29 CFR, Part 1926 (subpart P) and Manufacturer’s Tabulated Data for detailed explanation of soil types and product application. Type A soil not to exceed 25 PSF per foot of depth; Type B soil not to exceed 45 PSF per foot of depth; Type C(60) soil not to exceed 60 PSF per foot of depth; Type C soil not to exceed 80 PSF per foot of depth.

All Manguards include 2 Stacking Pins (MGS) and 4 Legs (MGL).

Note: Allowable depths are limited to 50 feet for practical purposes. Contact Speed Shore for applications exceeding posted allowable depths.

---

## Pipe Clearance Dimensions for Replaceable Cut-Outs

### Cut-Out Size

<table>
<thead>
<tr>
<th>Cut-Out Size</th>
<th>O.D. Clearance Without Legs (In.)</th>
<th>O.D. Clearance With Legs (In.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>18</td>
<td>28</td>
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<tr>
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</tr>
<tr>
<td>48</td>
<td>48</td>
<td>55</td>
</tr>
</tbody>
</table>

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* Psf = Pounds per Square Foot

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**EXAMPLE OF PIPE CLEARANCE FOR MANGUARD CUT-OUT 40**

[Diagram of Manguard on ground and on legs with pipe clearances]
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