

# Manguards®

Speed Shore's 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.

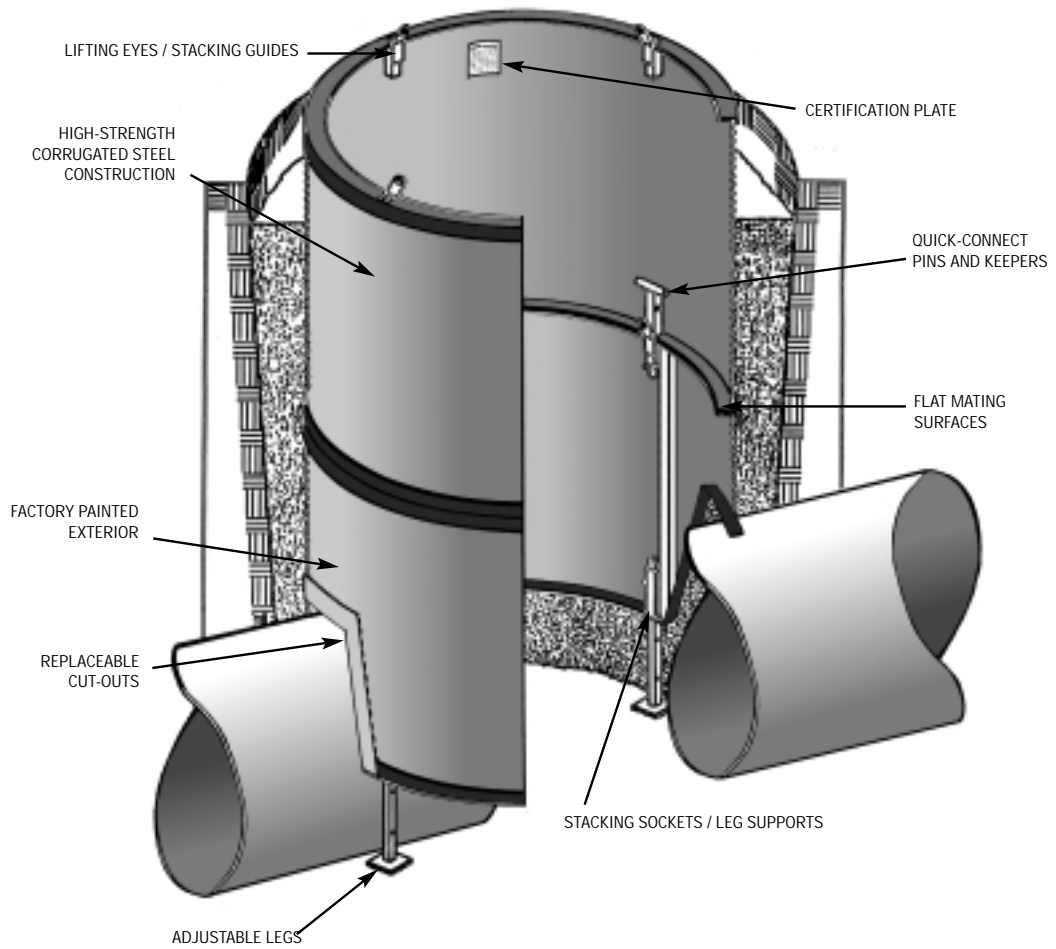


## Manguards® Offer Superior Protection.

- **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.

**SPEED**  **SHORE**®  
PIONEERING TRENCH SAFETY

# Manguard® Standard Features



# Manguard® Shield Specifications

## Manguards®

MODEL	DIAMETER O.D. (Ft.)	HEIGHT (Ft.)	DIAMETER I.D. (Ft.)	WEIGHT (Lbs.)	CAPACITY (Psf)	ALLOWABLE DEPTH (Ft.) by soil type*			
						A	B	C(60)	C
MG - 06 x 4	6.0	4	5	900	2000	50	45	34	26
MG - 06 x 8	6.0	8	5	1300	2000	50	42	32	25
MG - 08.5 x 4	8.5	4	7	1200	1900	50	40	31	24
MG - 08.5 x 8	8.5	8	7	1700	1900	50	34	25	20
MG - 10 x 4	10.0	4	9	1500	1800	50	34	25	20
MG - 10 x 8	10.0	8	9	2200	1800	50	34	25	20

\* 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.

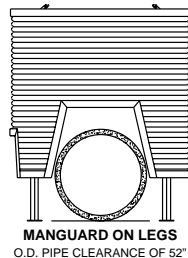
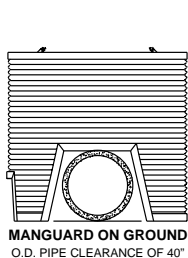
## Manguards® with Replaceable Cut-Outs

MODEL (see above for dimensions)	WEIGHT (Lbs.)	CAPACITY (Psf)	ALLOWABLE DEPTH (Ft.) by soil type*			
			A	B	C(60)	C
MG - 06 x 8-RC-24/24/18	2000	1600	24	24	24	16
MG - 08.5 x 8-RC-40/40/24	2600	1600	24	24	24	16
MG - 10 x 8-RC-48/48/30	3100	1600	24	24	24	16

Psf = Pounds per Square Foot

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

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



### PIPE CLEARANCE DIMENSIONS FOR REPLACEABLE CUT-OUTS

CUT-OUT SIZE	O.D. CLEARANCE WITHOUT LEGS (In.)	O.D. CLEARANCE WITH LEGS (In.)
18	18	28
24	24	32
30	30	38
40	40	52
48	48	65

# Increased Productivity



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