



US Army Corps  
of Engineers®

# Modular Protective System Mortar Pit



Building Strong®

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## Features

- Constructed in 45 minutes with a 4-person team
- No specific MOS required
- No equipment or special tools needed
- Easily disassembled and reused
- Protection provided from small arms, indirect fire, and blast threats
- Protection level tailorable using layered armor panels
- Soil fill or leveling of uneven terrain not required
- Helicopter sling load capable
- Two-man portable components



## Product Description

The Modular Protective System (MPS) Mortar Pit provides the warfighter with a rapidly deployable and reusable position to provide protection for a mortar team or similar assets. Components include lightweight space frames and composite armor panels. The system is validated to protect from small arms, blast, and rocket, artillery, and mortar (RAM) threats. All components man portable and no equipment or special tools are needed for construction.



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## Performance

Protects against small arms, indirect fire, and blast threats  
Shoulder-fired rocket and shaped charge defeat with triggering screen  
Galvanized steel for protection against degradation in severe environments  
Adaptable to uneven terrain and slopes

## Kit Information

NSN	Visualization	Description	Weight
5410-01-614-9392		<b>Kit:</b> 4'-tall x 15'-diameter x 5'-wide fortification in one 96" x 96" x 77.5" Tricon	9,900 lb
<b>Kit</b>			<b>ROM Cost</b>
MPS-MP-1			TBD

Component	NSN	Quantity
MPS Frame Assembly	5410-01-561-3080	8
Leveling Pad Assembly	5410-01-561-3091	20
Z-Bar Assembly	5410-01-561-3053	48
MPS Tri-frame Assembly	5410-01-609-0912	4
Tri-frame Leveling Pad Assembly	5410-01-609-0891	4
Stabilizer Bar Assembly	5410-01-586-8679	12
E-glass Armor Panel	9340-01-586-9257	44
Tricon, Type II	8150-01-533-8673	1

## Technical POCs

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