FUDAS

HESCO DEFENSIVE BARRIERS

For Military Defense & Flood Control

AnPing Fudas Metal Product Co., Ltd.

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To protect lives and critical assets through engineering excellence. We specialize in the manufacturing of rapid-deployment barrier systems. From hostile territories to flood-prone regions, our products provide the structural stability and speed required to secure environments when it matters most.

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Hesco Barrier is a modern gabion system consisting of a galvanized steel wire mesh frame and a UV-resistant geotextile liner. Originally designed for coastal erosion and flood control, it has become the industry standard for military defense and civil protection worldwide.

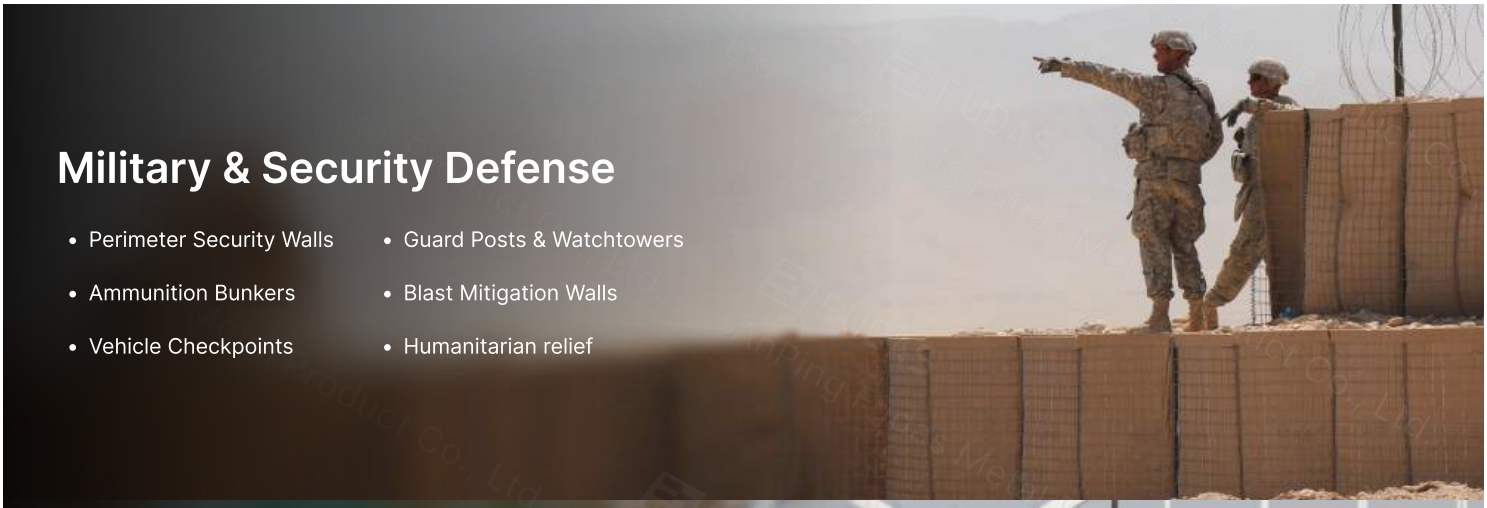
- Rapid Deployment:
  Significantly faster than traditional sandbags, requiring minimal manpower and standard equipment

- Utilizes local materials:
  Can be filled with sand, soil, stones, or even construction waste.

- Efficient logistics:
  Foldable packaging, small transport volume, large expanded volume.

Versatile Application Scenarios

From protecting personnel against modern threats to safeguarding communities from natural disasters, our barriers offer unmatched flexibility. The modular design allows for immediate adaptation, serving as effective fortifications, flood walls, or retaining structures wherever rapid and reliable protection is required.



Military & Security Defense

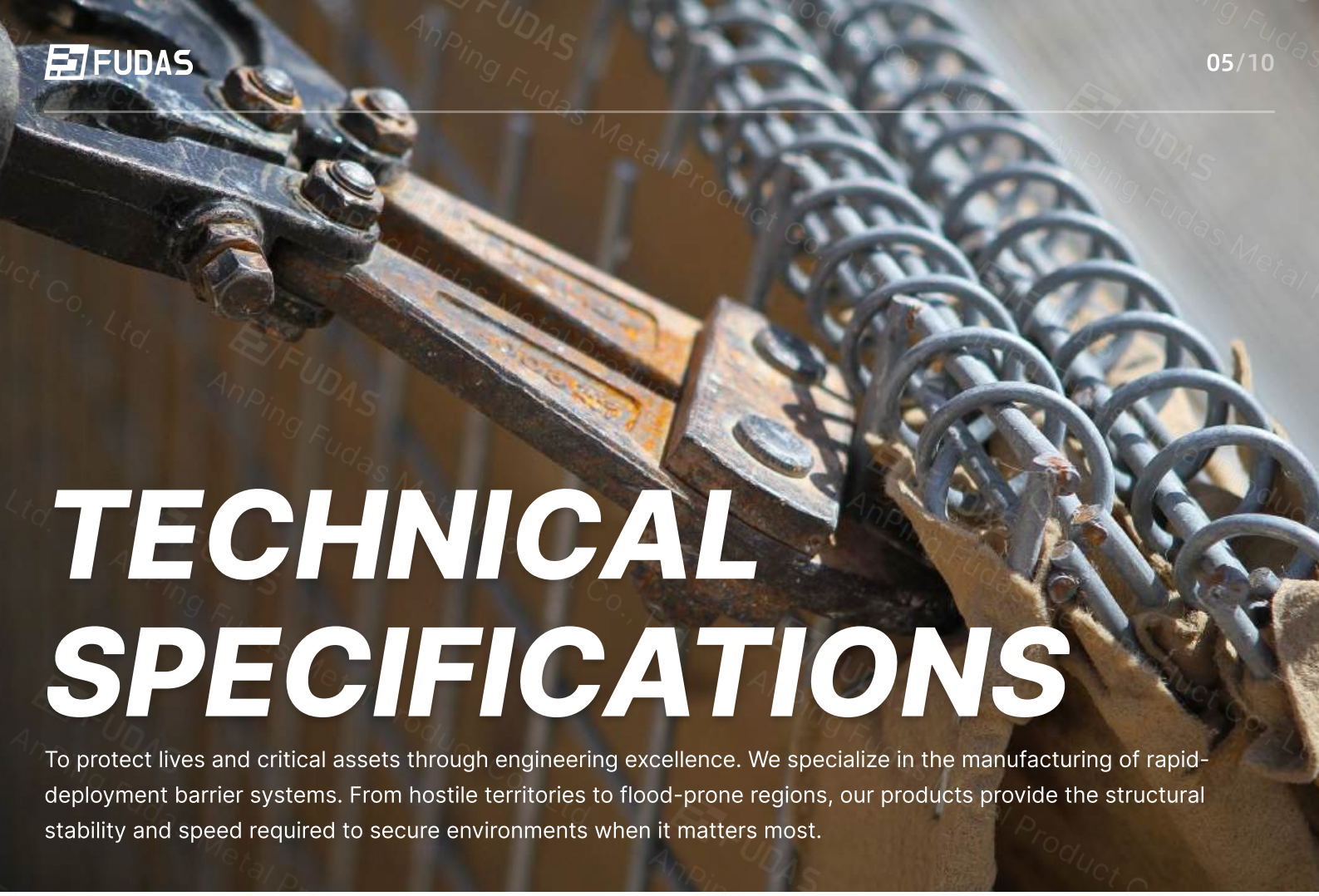
- Perimeter Security Walls
- Guard Posts & Watchtowers
- Ammunition Bunkers
- Blast Mitigation Walls
- Vehicle Checkpoints
- Humanitarian relief

Flood Control And Rescue

- Emergency Flood Barriers
- River Bank Reinforcement
- CofferdamsTemporary

Civil Engineering

- shooting Range
- Hazardous Material Containment
- Construction Site Perimeters
- Critical Infrastructure Protection
- Crowd Control & Event Security
- Temporary Housing & Shelters



TECHNICAL SPECIFICATIONS

To protect lives and critical assets through engineering excellence. We specialize in the manufacturing of rapid-deployment barrier systems. From hostile territories to flood-prone regions, our products provide the structural stability and speed required to secure environments when it matters most.

Flood Control And Rescue

Material quality directly determines the lifespan of the defensive barrier. We offer two coating options: Hot-Dipped Galvanized and Galfan. Hot-Dipped Galvanized is suitable for standard applications. Galfan utilizes a zinc-aluminum alloy to form a dense protective layer with self-healing properties, offering superior corrosion resistance ideal for coastal areas and long-term deployment environments.

Wire Diameter

Wire diameter is the core of structural strength. Thicker steel wire translates to higher tensile and shear strength. For military defense or high-pressure flood control scenarios, we recommend using 4.0mm or 5.0mm+ diameters. This effectively withstands blast shockwaves and the immense lateral pressure of the fill material, ensuring zero structural deformation.

Flood Control And Rescue

Mesh design is critical to overall stability. We promote the international 76.2mm (3-inch) "Gold Standard" dimension. This size achieves the optimal balance between steel usage and structural rigidity. It perfectly supports the geotextile liner to prevent bulging while accommodating the vast majority of sand and stone fill materials.

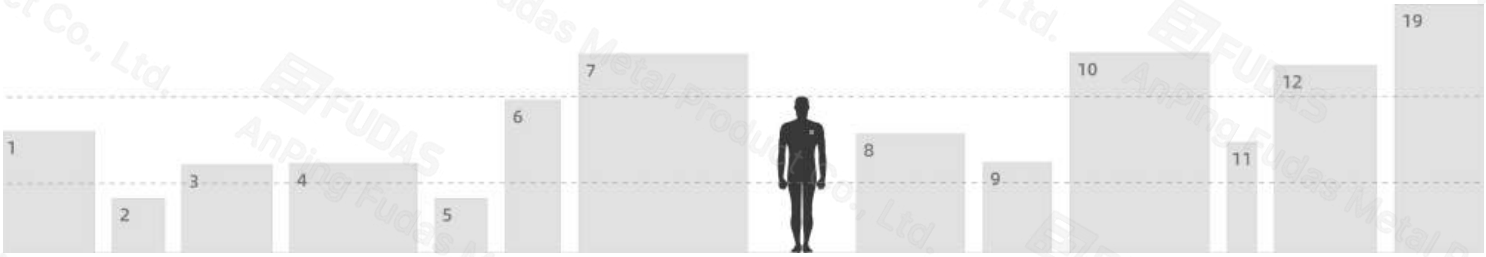
Wire Diameter

The liner utilizes a heavy-duty, non-woven polypropylene fabric with excellent permeability. This ensures efficient water drainage while retaining fill material, effectively eliminating internal hydrostatic pressure to prevent collapse. We offer Beige and Green options to adapt to desert and vegetation environments respectively, meeting requirements for tactical camouflage or landscape integration.

Coating & Materials	Hot-dipped Galvanized, Galfan (95%Zn + 5%Al).
Wire Diameter	3 mm, 4 mm, 5 mm, 6mm.
Mesh aperture	50 × 50 mm, 75 × 75 mm, 76.2 × 76.2 mm(standard), 100 × 100 mm, ect.
Geotextile Liner	Beige, Military, Green.

Product Dimensions

Below is the complete technical data for our standard units. Use the silhouette comparison to determine the effective wall height relative to an average



Model	Height	Width	Length	Quantity
MIL 1	4′6″ (1.37m)	3′6″ (1.06m)	32′ (10m)	1 unit = 5+4 cells
MIL 2	2′ (0.61m)	2′ (0.61m)	4′ (1.21m)	1 unit = 2 cells
MIL 3	3′3″ (1.0m)	3′3″ (1.0m)	32′ (10m)	1 unit = 5+5 cells
MIL 4	3′3″ (1.0m)	5′ (1.5m)	32′ (10m)	1 unit = 5+5 cells
MIL 5	2′ (0.61m)	2′ (0.61m)	10′ (3.05m)	1 unit = 5 cells
MIL 6	5′6″ (1.68m)	2′ (0.61m)	10′ (3.05m)	1 unit = 5 cells
MIL 7	7′3″ (2.21m)	7′ (2.13m)	90′ (27.74m)	1 Unit = 4+4+5 cells
MIL 8	4′6″ (1.37m)	4′ (1.22m)	32′ (10m)	1 Unit = 4+5 cells
MIL 9	3′3″ (1.0m)	2′6″ (0.76m)	30′ (9.14m)	1 Unit = 6+6 cells
MIL 10	7′3″ (2.21m)	5′ (1.52m)	95′ (30.5m)	1 Unit = 5+5+5+5 cells
MIL 11	3′3″ (1.0m)	12″ (0.3m)	4′(1.22m)	1 Unit = 2 cells
MIL 12	7′ (2.13m)	3′6″ (1.06m)	108′ (33m)	1 Unit = 5+5+5+5+5+5 cells
MIL 19	9′ (2.74m)	3′6″ (1.06m)	10′5″ (3.18m)	1 Unit = 6 cells

Container Loading Reference

Our barrier units are supplied in a compact, flat-packed format to maximize shipping density and minimize transport costs. The following tables provide detailed loading specifications for standard 20ft and 40ft containers. This data—covering pallet counts, unit quantities, and total deployable lengths—is essential for accurate mission planning and supply chain management.

Model	Container	Pallets	Units	Deployed Lengtyh
MIL 1	20′ Container	8	56	1,837′ (560m)
	40′ Container	16	112	4,674′ (1,120m)
MIL 2	20′ Container	6	720	2,881′ (878m)
	40′ Container	12	1440	5,673′ (1,756m)
MIL 3	20′ Container	10	80	4,133′ (800m)
	40′ Container	20	160	5,249′ (1,600m)
MIL 4	20′ Container	4	32	1,050′ (320m)
	40′ Container	8	64	2,100′ (630m)
MIL 5	20′ Container	6	300	3,000′ (915m)
	40′ Container	12	600	6,003′ (1,830m)
MIL 6	20′ Container	6	108	1,081′ (329m)
	40′ Container	12	216	2,162′ (659m)

* All shipping figures are for reference purposes only and may vary based on actual loading conditions. Specifications are subject to change without notice.

Model	Container	Pallets	Units	Deployed Lengtyh
MIL 7	20′ Container	6	6	546′ (166m)
	40′ Container	15	15	1,365′ (416m)
MIL 8	20′ Container	8	32	1,050′ (320m)
	40′ Container	18	72	2,362′ (720m)
MIL 9	20′ Container	10	70	2,100′ (640m)
	40′ Container	20	140	4,198′ (1.280m)
MIL 10	20′ Container	6	6	600′ (183m)
	40′ Container	14	14	1,400′ (427m)
MIL 11	20′ Container	8	480	1,921′ (586m)
	40′ Container	16	960	3,842′ (1,171m)
MIL 12	20′ Container	6	6	650′ (198m)
	40′ Container	15	15	1,624′ (495m)
MIL 19	20′ Container	4	24	250′4″ (76m)
	40′ Container	8	48	500′10″ (152m)

* All shipping figures are for reference purposes only and may vary based on actual loading conditions. Specifications are subject to change without notice.

Quick Installation Steps

Transform from a flat-packed unit to a fully fortified barrier in minutes. Our system is designed for immediate installation using standard equipment and minimal manpower.

UNPACK & EXPAND

Remove the strapping and packaging. Pull open the concertina units and extend them to the desired length on the cleared ground.

JOIN & POSITION

Connect multiple units together using the provided joining pins or spiral wires. Adjust the alignment to form a continuous defensive wall.

FILL

Use a front-end loader or excavator to fill the cells with locally available material (sand, soil, or rocks). Ensure the filling is even.

COMPACT & FINISH

Compact the fill material to prevent settling. Add a final layer of earth to the top if necessary to complete the fortification.

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