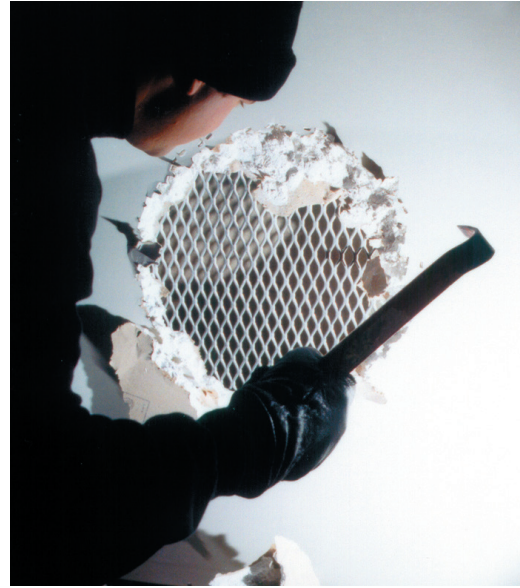


High-strength expanded metal mesh for walls and ceilings.

The Barrier Mesh™ System is a heavy-gauge steel mesh installed typically onto stud framing (both metal and wood), with gypsum sheathing applied to its surface to conceal the barrier mesh. ClarkDietrich Barrier Mesh™ (BM) can also be used without sheathing to provide an enhanced protection of security to walls, ceilings as well as floors. Barrier Mesh is produced in different size diamonds and gauges for various levels of security.

Barrier Mesh can be produced to ASTM F1267. Barrier Mesh can be either nailed to wood-framing, fastened or tack-welded to metal stud framing or use of specially designed Barrier Mesh attachment clips.

LEED® Information and Safety Data Sheet (SDS) on Barrier Mesh available upon request. For more information, visit clarkdietrich.com.



- Protects against break-ins and break-outs on metal stud framing
- Ideal for use in lieu of reinforced concrete or concrete block
- High-strength and fire-resistant
- Made from carbon steel

MATERIAL STANDARDS AND INSTALLATION

All components shall meet or exceed current standards and specifications as designated by the American Society for Testing and Materials. Shall be certified by ClarkDietrich Building Systems as Barrier Mesh per ASTM F1267, Type 2, and Class 1 carbon steel finish. Installing the Barrier Mesh System will not jeopardize a fire rated wall assembly.

LAYOUT OF MESH

Installation and lay-out of the BM panels on the job shall be approved by the owner or general contractor prior to installation, with the intent to attach mesh panels on vertical framing members. ClarkDietrich recommends the framing members be no less than 20ga metal studs for security applications. Barrier Mesh panels may be installed with diamonds running in either direction. Barrier Mesh is produced to industry standards (EMMA) of (up to) $-0 + \frac{1}{4}$ " per foot in either direction of the mesh. Therefore, the mesh may not be perfectly square. The barrier mesh's joints shall join by either staggering or butt joint diamonds. If the previous joining methods can't be employed, ClarkDietrich allows overlapping the mesh panel's joints, with proper fastening or wire-tying between framing.

ATTACHMENT OF BARRIER MESH

Barrier Mesh shall be attached to framing members using ClarkDietrich BM-Clips through recommended threaded fasteners. Steel stud fasteners shall be flat head, bugle type, self-tapping screw long enough to penetrate the steel stud at least $\frac{3}{8}$ ". For wood stud applications, use a 1-5/8" fine thread drywall screw allowing the fastener to penetrate the framing member at least $\frac{1}{2}$ ". ClarkDietrich recommends ClarkDietrich BM-Clips be installed 12" on-center vertically on framing members. The ClarkDietrich BM-Clips are the preferred method of securing mesh panels to framing members. If planning to weld the Mesh to framing, please contact ClarkDietrich for specific installation instructions.

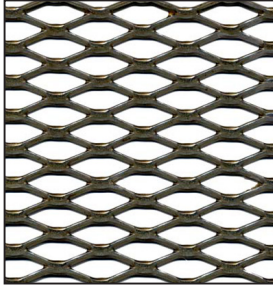
Cut the Barrier Mesh with a hand held circular saw with abrasive or carbide tip blade; hand-held grinder with cutting wheel, cutting torch or heavy duty snips.

PRODUCT DATA & ORDERING INFORMATION
Projects Uses:

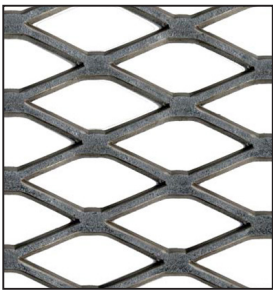
Correctional facilities, government offices, retail stores, computer rooms, airport security, law enforcement facilities, military facilities or any space that requires substantial barrier protection.

Material: Carbon Steel Mesh, Complying to ASTM F1267

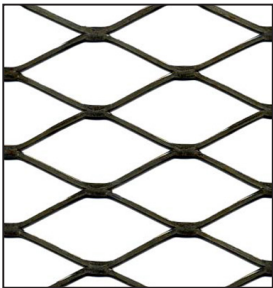
Sheet Size: 48" x 96" (Tolerance -0, +1/4" /foot of dimension, length & width)



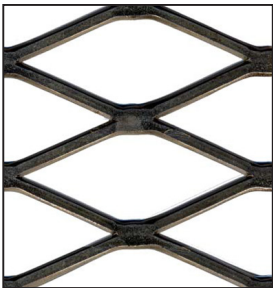
Product code	Thickness			Bond Size Center-to-center	Weight lbs/100ft ²	Percent of open area
	Gauge	Min thickness (in)	Diamond			
BM50	18	0.039	1/2"	.500" x 1.25"	66	60
	16	0.048			82	63
	13	0.068			140	52



Product code	Thickness			Bond Size Center-to-center	Weight lbs/100ft ²	Percent of open area
	Gauge	Min thickness (in)	Diamond			
BM75	16	0.048	3/4"	.923" x 2.00"	51	75
	13	0.068			75	74
	9	0.108			171	63



Product code	Thickness			Bond Size Center-to-center	Weight lbs/100ft ²	Percent of open area
	Gauge	Min thickness (in)	Diamond			
BM10	16	0.048	1"	1.00" x 2.50"	41	78



Product code	Thickness			Bond Size Center-to-center	Weight lbs/100ft ²	Percent of open area
	Gauge	Min thickness (in)	Diamond			
BM15	16	0.048	1-1/2"	1.33" x 3.20"	38	83
	13	0.068			57	80
	9	0.108			114	75


(BM-Clip) ClarkDietrich Barrier Mesh™ Clips

ClarkDietrich Barrier Mesh™ Clips (BM-Clips) are high-strength steel components which provide secure attachment of Barrier Mesh™ metal panels to wood or steel stud framing for a complete Barrier Mesh™ System. The ClarkDietrich BM-Clips act as "washers" for the attachment of the Barrier Mesh to framing members.

Coating:	G40, G40EQ or G40EQ DiamondPlus™
Design Thickness:	0.020 inches
Minimum Base Thickness:	0.019 inches
Dimensions:	2-3/4" long, 1-1/2" wide
Packaging:	300 Clips/carton, 4 lbs/carton