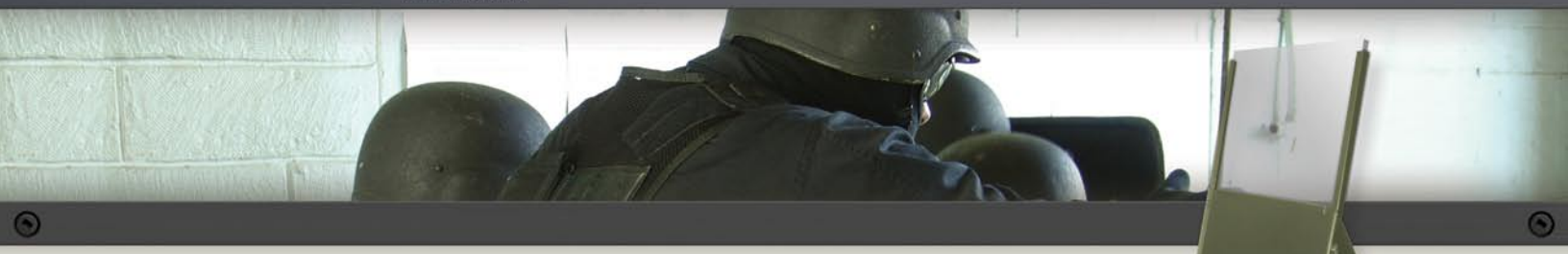
Defenshield Inc.

MDFP Shields

DS-110 SERIES

NIJ II (9mm)



DS-110 Series - Mobile Defensive Fighting Position™

The Tool of Choice When Lightweight Protection Against Handgun Threats up to 9mm is Required.

The DS-110, caster mounted DS-111, and DS-112 with ATV-style tires are designed to protect security personnel at a variety of locations including screening areas at courthouses, federal buildings, aviation security checkpoints, correctional facilities, embassies or any secure location. The DS-110 series is constructed of NIJ Level II components to provide the highest level of protection against threats up to 9mm handguns and is the only mobile, full coverage and field of view, bullet resistant tool on the market.

Offering up to 16 square feet of viewing area, this bullet and blast resistant partition provides 100% coverage in a mobile package that can be used indoors or out to protect personnel and property.

A smaller and lighter version, the DS-112DC, is manufactured for use in correctional facilities. The unit is sized for use by CERT and MRT units within the confines of Correctional Facilities and is equipped with filled ATV-style tires.

The Defenshield MDFP is available in four levels of protection to satisfy the ballistic threat and mobility requirements of a wide variety of users. Custom sized units are also available.

DS-112 w/ ATV-Style Wheels
The lightest, most versatile model available. Allows for superior maneuverability on unimproved surfaces such as gravel, grass, and dirt. Excellent for use in riot control and hostage negotiations.

Bullet Range Ratings

Standard	Class	Caliber	Weight (gr.)	Min/Max Vel (fps)	Shots	Range ft.	Notes
NIJ	I	0.22 LR	40	1010 / 1090	5	16	
HPW	A	0.38 Spec	158	700 / 800	3	20	D
NIJ	I	0.38 Spec	158	800 / 900	5	16	
NIJ	II-A	9 x 19 (LV)	124	1050 / 1130	5	16	
DIN	C1-SF	9 x 19 (HV)	124	1166 / 1199	3	9.84	
HPW	B	9 x 19 (HV)	124	1100 / 1180	3	20	D
NIJ	II	9 x 19 (HV)	124	1135 / 1215	5	16	
UL	1	9 x 19 (HV)	124	1175 / 1293	3	15	

"The mobility of the unit defeats attempts at reconnaissance and maintains the 'human element' of high security."

Information listed for comparison ONLY, contact applicable standards and testing labs for current information or certifications.

Abbreviations: AP- Armor Piercing; HV- Higher Velocity; LD- Lead; L.R.- Long Rifle; LV- Lower Velocity; Mag.- Magnum; Spec.- Special; SRP- Soft Round Point; M2, M61, M80, M193- U.S. Military Ammunition, Full Metal Jacket, Spire Point.

*The various standards specify different locations to measure the bullet velocity. They are as follows: ASTM-15 ft from weapon muzzle; ANSI/UL- at muzzle; BSI- strike face of the target; DIN- 8.20 ft from weapon muzzle; HPW-15 ft from weapon muzzle; NIJ- 6.60 ft from weapon muzzle; and SD- 10 ft from strike face of the target. For meeting the various velocity measurement requirements, the use of custom (special) powder loads may be required.

Not responsible for errors or omissions. Please consult actual source documents for current specifications.

D- Three shots required for the base materials and twelve shots required for assemblies.
E- Minimum number of shots.
F- Minimum of three shots required for the glazing and six shots required for other parts of the assembly.

Camography™

Camography is Defenshield's proprietary method of increasing the effectiveness of your MDFP product. Instead of traditional camouflage, Defenshield uses imagery of the intended environment to ensure maximum concealment.

Camography can also be applied to the transparent armor panel of the unit with a one-way see-thru film. Units used in diplomatic or government facilities may use images of wood paneling, ceramic tiles, or other architectural materials. Outdoor protection could include images of gardens, rock walls, heavy woods, or similar settings. Images can also be taken of the location where the unit will be deployed. The match is exact in color, and scale. The transparent armor panel may be tinted, reflective, or utilize the one-way Camographic film to achieve maximum concealment.

Camography can be applied to units of any resistance level and do not alter the level of protection provided by the unit.

Mobility

MDFP's combine unsurpassed mobility with the highest level of stand-alone protection. Units are easily disassembled into a few components with minimal tools, and can be transported by vehicle and reassembled on location in a few minutes.

Mobility options are constantly being developed in response to our customer's individual needs and specifications. Please visit our website or contact us to discuss latest developments.

DS-110 Series Model Summary

Model #	Mobility	Weight formula (lbs)
DS-110 9mm Resistant	Fixed	(W x H x 7.5) + 110
DS-111 9mm Resistant	Casters	(W x H x 7.5) + 124
DS-112 9mm Resistant	ATV Tires	(W x H x 7.5) + 180

Sample calculation based on a DS-111 used in an airport security terminal (36" x 76" with casters): (3ft x 6.33ft x 7.5) + 124 = 266.4 pounds.

Notes: Width and height in the above chart are in feet. Standard width is 36". Custom widths available from 30" to 48". Standard height is 76". Custom heights available from 70" to 84". Weight is in pounds. ATV tires are urethane filled and cannot lose pressure or be shot out.

Certifications

NIJ Level II (9mm; 357 Magnum)

The glazing and armor protects against 9mm Full Metal Jacketed Round Nose (FMJ RN) bullets, with nominal masses of 8.0 g (124 gr) impacting at a minimum velocity of 358 m/s (1175 ft/s) or less, and 357 Magnum Jacketed Soft Point (JSP) bullets, with nominal masses of 10.2 g (158 gr) impacting at a minimum velocity of 427 m/s (1400 ft/s) or less.