



DS-180 Series - Mobile Defensive Fighting Position™

The Tool of Choice When Protection Against Rifle Threats from 5.56mm and 7.62mm NATO Rounds is Required.

The DS-180 series is certified by HP White Labs to NIJ Level III and meets the US Department of State standard DS-STD-01.01.

The DS-180, caster mounted DS-181, and ATV-style tire equipped DS-182's are designed to protect security forces in locations where the highest level of threat exists, including terrorist activity. It is the only mobile, full coverage and full field of view, ballistic resistant tool on the market.

Offering up to 12 square feet of viewing area in a mobile package, the DS-180 series offers protection to the military, anti-terrorism teams, combat groups and observers, infrastructure security guards and anyone else who may come under the threat of hostile sniper rifle fire or terrorist attacks. The DS-180 series is particularly effective for use at fortified ECP's and overwatch positions.

When a soldier, guard, observer or negotiator is behind a Defenshield MDFP, they become the highest form of deterrence. MDFP's are 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-180 Stationary Unit
Heavy duty unit used primarily at fortified entry control points. Provides full coverage and stability via lag plates, and withstands environmental elements such as UV and precipitation. Customized signage available for visual communication and identification.*

Bullet Range Ratings

Standard	Class	Caliber	Weight (gr.)	Min/Max Vel (fps)	Shots	Range ft.	Notes
ANSI/UL	H.P.R.	.30-06 SRP	220	2169/ 2531	1	15	
SD	Rifle	5.56 x 45 (M193)	55	3135/ 3235	3	30	F
UL	7	5.56 x 45	55	3080/ 3388	5	15	
UL	5	7.62 x 51 (M80)	150	2750/ 3025	1	15	
ASTM	Rifle	7.62 x 51 (M80)	147	2750/ 2850	3	25	E
BSI	G3	7.62 x 51 (M80)	147	2609/ 2805	3	32.81	
DIN	C4-SF	7.62 x 51 SRP	147	2578/ 2611	3	32.81	
HPW	D	7.62 x 51 (M80)	147	2725/ 2825	3	20	D
NIJ	III	7.62 x 51 (M80)	147	2700/ 2800	5	16	
SD	Rifle	7.62 x 51 (M80)	147	2700/ 2800	3	30	F
UL	8	7.62 x 51 (M80)	150	2750/ 3025	5	15	
UL	Shotgun	12 Ga Slug	437	1585/ 1743	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.

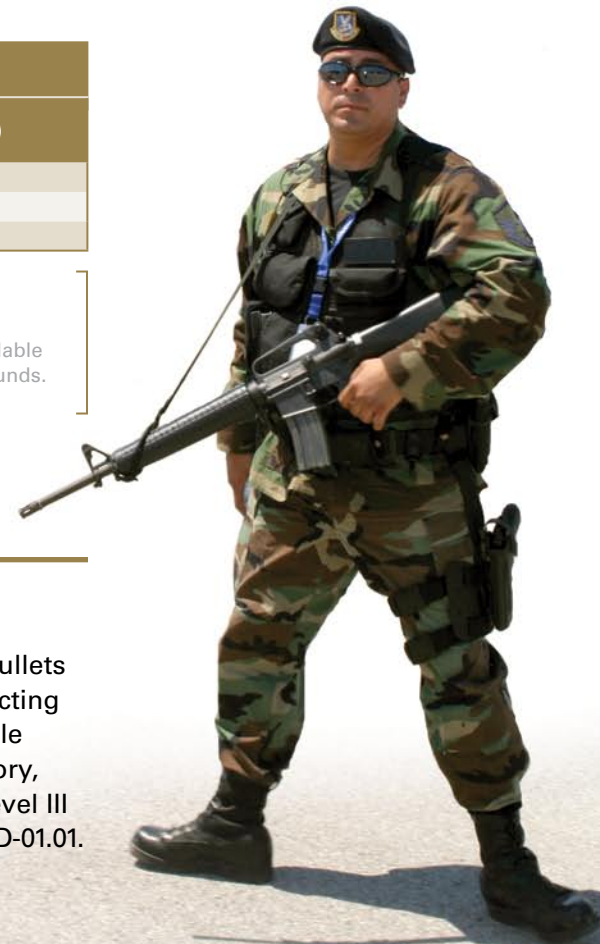
Mobility options are constantly being developed in response to our customer's individual needs and specifications. Please visit our website or contact us to discuss latest developments.

DS-180 Series Model Summary

Model #	Mobility	Weight formula (lbs)
DS-180 Rifle Resistant	Fixed	(W x H x 25) + 195
DS-181 Rifle Resistant	Casters	(W x H x 25) + 209
DS-182 Rifle Resistant	ATV Tires	(W x H x 25) + 265

Sample calculation based on a DS-182 used at a military base ECP (36" x 76" with ATV Tires):
 $(3\text{ft} \times 6.33\text{ft} \times 25) + 265 = 739.7$ 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 III (Rifles)

The glazing and armor protects against 7.62mm Full Metal Jacketed (FMJ) bullets (U.S. Military designation M80), with nominal masses of 9.6 g (148 gr) impacting at a minimum velocity of 838 m/s (2750 ft/s) or less. The DS-180 Series Mobile Defensive Fighting Position is independently certified by H.P. White Laboratory, Inc. to satisfy the ballistic resistance requirements of NIJ-STD-0108.01 for Level III protection. This series also meets the US Department of State standard DS-STD-01.01.