

TECHNICAL DATASHEET



MCHG2

[SA] SOFT ARMOR

Designed using the best armor materials produced in the USA, the MCHG2 soft armor system is optimized for long duration and comfort while providing a wide range of protection. Manufactured in Phoenix, Arizona, the MCHG2 utilizes USA-made UHMWPE and Aramid composites and fabrics to achieve best-in-class performance. Impact Innovations' patent pending assembly method provides next generation flexibility and edge to edge coverage, even against the most aggressive angles of attack. Fragment rated to DOD requirements; the MCHG2 spans both the law enforcement and military requirements. Globally tested against regional threats, the MCHG2 offers NIJ 0101.07 performance and beyond.



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CERTIFIED SPEC

NIJ 0101.07 MODEL #	MCHG2	
NIJ 0101.07 THREAT LEVEL	HG2	
NIJ CERTIFICATION SIZES	C1-C5	
BALLISTIC MATERIALS	SPECTRASHIELD UHMWPE / ARAMID	
WEIGHT	1.18 PSF (5.8 KSM)	
THINNESS	0.31" IN (7.8 MM)	
V50 - 9MM LUGER FMJ RN 124GR	NEW - 1907 FT/S (581 M/S)	CONDITIONED - 1830 FT/S (558 M/S)
P-BFS - 9MM LUGGER FMJ RN 124GR	28 MM	29 MM
V50 - 44MAG JHP 240GR	NEW - 1750 FT/S (534 M/S)	CONDITIONED - 1717 FT/S (523 M/S)
P-BFS - 44MAG JHP 240GR	37 MM	38 MM

SPECIAL THREAT TESTING

V50 - 2 GR RCC	3087 FPS (941 MPS)
V50 - 4 GR RCC	2626 FPS (800 MPS)
V50 - 16 GR RCC	2163 FPS (659 MPS)
V50 - 64 GR RCC	1704 FPS (520 MPS)
V50 - 17GR FSP (.22CAL)	2054 FPS (626 MPS)

V50 - 9MM 127GR SXT	1727 FPS (527 MPS)
P-BDF - 9MM 127GR SXT	29 MM
V50 - 5.7X28HR SS197	2348 FPS (716 MPS)
P-PFS - 5.7X28HR SS197	20 MM
V50 - FN 5.7 TOKAREV	1738 FPS (530 MPS)
P-BFS - FN 5.7 TOKAREV	26 MM

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