

TECHNICAL SPECIFICATIONS

CaliberX™ Soft Armor STAND ALONE BALLISTIC INSERT

NIJ-STD-0101.06 Level IIIA and NIJ-STD-0101.07(draft) HG2

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THINNESS: .25" (6.35 mm)

SAPI STYLE CUT - SOFT ARMOR - TORSO PANEL

PART NUMBER	WIDTH x LENGTH	WEIGHT
CALX-1012	10 x 12 254 x 305 mm	15 oz .42 kg
CALX-0810	8 x 10 203 x 254 mm	10 oz .28 kg
CALX-1114	11 x 14 279 x 356 mm	1.18 lb .53kg
CALX-1012R	10 x 12 254 x 305 mm	15 oz .42 kg
CALX-0810R	8 x 10 254 x 305 mm	.68 lb .31 kg
CALX-1114R	11 x 14 203 x 254 mm	1.25 lb .56 kg
CALX-5.75X14-SP	5.75 x 14 279 x 356 mm	1.31 lb .59 kg
CALX-5X14-SP	5 x 14 152 x 152 mm	1.18 lb .53 kg
CALX-5.75x11.5-SP	5.75x11.5 152 x 152 mm	1.12 lb .50 kg



MANUFACTURING TOLERANCES:

Thickness dimensions are +1/8 in. Width and length dimensions are +0.00 to 0.25 in. All weights are + - 5%.

THREAT PERFORMANCE MATRIX

SHOTS PER ROUND	PROJECTILE	SPEED
6	.357 SIG - FMJFN	1,488 ft/s 453.54 m/s
6	.44 MAG - SJHP	1,459 ft/s 444.70 m/s
6	9mm - FMJ RN*	1,491 ft/s 454.46 m/s
6	.44 MAG - JHP*	1,461 ft/s 445.31 m/s

* NIJ LEVEL HG2 THREAT

CALIBER ARMOR BALLISTIC RESISTANCE TESTING PROTOCOL:

All testing was conducted on an indoor range at ambient conditions, in accordance with our instructions and the modified provisions of:

NIJ-STD-0101.06, Level IIIA Testing was conducted using caliber .357 SIG, FMJFN, 125 grain and .44 MAG, SJHP, 240 grain ammunition. The test samples were positioned 17.3 feet from the muzzle of the barrel to produce zero (0°), thirty (30°) and forty-five (45°) degree obliquity impacts. Photoelectric infrared screens were located at 6.5 feet and 11.5 feet which, in conjunction with electronic chronographs, were used to compute bullet velocities at 9.0 feet forward of the muzzle. Penetrations are determined by visual examination of the 5.5-inch-thick clay backing material. Back-face signature was measured using a calibrated digital depth gauge.

NIJ-STD-0101.07 DRAFT, HG2 Testing was conducted using caliber 9mm FMJ RN, 124 grain and .44 MAG JHP, 240 grain ammunition. The test samples were positioned 15.03 feet from the muzzle of the barrel to produce zero (0°), thirty (30°) and forty-five (45°) degree obliquity impacts. Photoelectric infrared screens were located at 5.33 feet and 4.64 feet which, in conjunction with electronic chronographs, were used to compute bullet velocities at 10.0 feet forward of the muzzle. Penetrations are determined by visual examination of the 5.5-inch-thick clay backing material. Back-face signature was measured using a calibrated digital depth gauge.

GENERAL INFORMATION

Lightweight CaliberX™ designed using a hybrid of both UHMWPE and Para-Aramid materials. Multi-shot rated on selected threats. Finished with ultrasonically welded water resistant ripstop material. Made in the U.S.A

NIJ STANDARD-0101.06 IIIA and 0101.07 Draft HG2

Tested and verified to meet or exceed ballistic resistance as specified under NIJ Standard- 0101.06 plus tested to the new draft ballistic NIJ Standards of 0101.07 HG2

EXPORT CONTROL ADVISORY

Model CALX may be subject to the Export Administration Regulations (EAR). It may not be sold or otherwise provided to any non-U.S. Person and/or exported or re-exported without a valid U.S. Department of Commerce BIS Export License, or applicable EAR license Exception.



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DISCLAIMER

The information contained in this document is intended solely to provide general guidance. The right is reserved to make changes to this document without notice at any time. Nothing in this document (i) constitutes an offer, representation, warranty, term or condition or (ii) is a substitute for the need to employ adequate independent technical expertise and judgment.

QUALITY STANDARDS

Caliber Armor operates a documented quality management system to ensure the highest caliber armor available. Raw materials are tested prior to production and finished products are tested in credited ballistic laboratories.