

TECHNICAL SPECIFICATIONS 400 SERIES BALLISTIC INSERTS



BI 3410 LEVEL III+ STAND ALONE

NIJ Certified

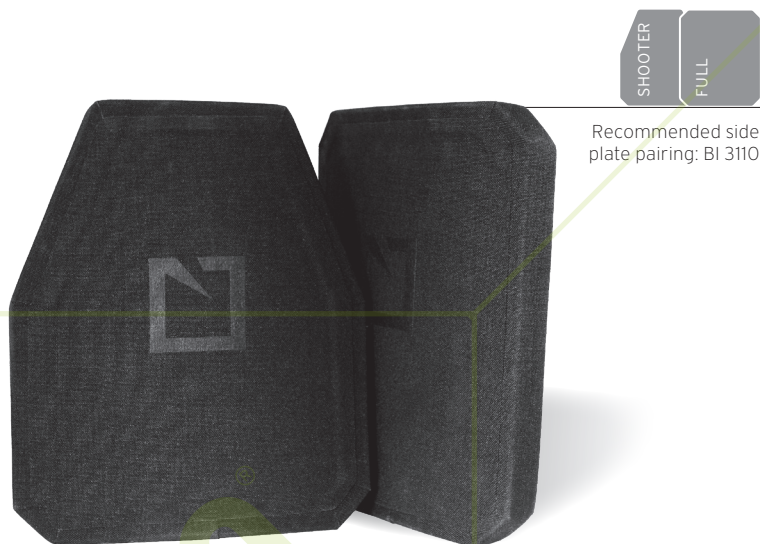
THICKNESS: 1.10 in (28 mm)

SHOOTER CUT - SINGLE CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
3410-SH-SC-L	10.0 x 12.0 in (254 x 305 mm)	5.8 lb (2.6 kg)
3410-SH-SC-S	8.0 x 10.0 in (203 x 254 mm)	3.8 lb (1.7 kg)

FULL CUT - SINGLE CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
3410-FC-SC-L	10.0 x 12.0 in (254 x 305 mm)	6.4 lb (2.9 kg)
3410-FC-SC-S	8.0 x 10.0 in (203 x 254 mm)	4.2 lb (1.9 kg)



Recommended side plate pairing: BI 3110

Manufacturing Tolerances:

Thickness dimensions are $\pm 1/8$ in (± 3 mm). Width and length dimensions are $+0.00$ to -0.25 in ($+0.00$ to -6 mm). All weights are $\pm 5\%$.

THREAT PERFORMANCE MATRIX

400 SERIES	LEAD CORE					MILD STEEL CORE			ARMOR PIERCING CORE
	5.56 x 45 mm - M83 Max Velocity 2800 ft/s (860 m/s)	7.62 x 39 mm - M67 Max Velocity 2350 ft/s (728 m/s)	7.62 x 51 mm - M80 * Max Velocity 2800 ft/s (860 m/s)	7.62 x 63 mm - JSP Max Velocity 2800 ft/s (860 m/s)	5.56 x 45 mm - M855 (SS109) Max Velocity 3150 ft/s (960 m/s)	7.62 x 39 mm - M43 Max Velocity 2350 ft/s (728 m/s)	7.62 x 54R - LPS Max Velocity 2800 ft/s (860 m/s)	1.62 x 39 mm - AP Max Velocity 2350 ft/s (728 m/s)	
3410-SH-SC-L	6	6	6	6	6	1	3		
3410-SH-SC-S	3	3	3	3	3	1	3		
3410-FC-SC-L	6	6	6	6	6	1	3		
3410-FC-SC-S	3	3	3	3	3	1	3		

* NIJ Level III Certification Threat

Hesco Testing Protocol

NIJ Certification of hard armor requires submission of 10" x 12" test plates which must demonstrate the ability to defeat specific rounds tested to a valid NIJ shot pattern, after exposure to a stringent conditioning protocol to simulate aging and wear. Level III requires six M80 rounds per plate. Level IV requires one AP M2 per plate.

NIJ's process provides for the inclusion of other size torso plates of identical construction to be included under the Certification without further NIJ testing.

Hesco holds itself to a higher standard by publishing the minimum number of shots that each size plate can be expected to defeat under similar NIJ testing methods, as well as listing many additional threats not addressed under the NIJ Certification process. The minimum number of shots are shown in the Threat Performance Matrix.

General Information

Ceramic/composite design. AP protection including 7.62 x 39 API. Multi shot rated on selected threats. Water repellant polyurethane coated CORDURA® fabric finish. Made in the U.S.A.

NIJ Standard-0101.06

Tested and verified to meet or exceed ballistic resistance as specified under NIJ Standard- 0101.06 plus Special Rifle Threats validated.

Export Control Advisory

Model BI 3410 (ECCN 1A613.d.2) is 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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Quality Standards

Hesco operates a quality management system certified to ISO 9001:2008. Approved Certificate Numbers: C2016-01513; BA9000: 2012; AQAP 2110

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