

TECHNICAL SPECIFICATIONS 100 SERIES BALLISTIC INSERTS

L110 SPECIAL RIFLE THREATS · Stand Alone



THICKNESS: 0.59 in (15 mm)

SINGLE CURVE - SIDE PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
L110-SP-SC-L	6.0 x 8.0 in (152 x 203 mm)	2.3 lb (1.0 kg)
L110-SP-SC-S	6.0 x 6.0 in (152 x 152 mm)	1.7 lb (0.8 kg)

SINGLE CURVE - TRAUMA PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
L110-TP-SC-XXL	7.0 x 10.0 in (178 x 254 mm)	3.5 lb (1.6 kg)
L110-TP-SC-XL	7.0 x 9.0 in (178 x 229 mm)	3.1 lb (1.4 kg)
L110-TP-SC-L	6.0 x 8.0 in (152 x 203 mm)	2.3 lb (1.1 kg)
L110-TP-SC-M	5.0 x 8.0 in (127 x 203 mm)	1.9 lb (0.9 kg)
L110-TP-SC-S	5.0 x 7.0 in (127 x 178 mm)	1.6 lb (0.8 kg)



Manufacturing Tolerances:

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

THREAT PERFORMANCE MATRIX:
L110

	5.56 x 45 mm M855 Max Velocity 3150 ft/s (960 m/s)	7.62 x 39 mm FMJ Max Velocity 2850 ft/s (869 m/s)	5.56 x 45 mm M855 S&W Max Velocity 3150 ft/s (960 m/s)	7.62 x 39 mm M43 Max Velocity 2850 ft/s (869 m/s)	7.62 x 39 mm API Max Velocity 2850 ft/s (869 m/s)
	LEAD CORE	MILD STEEL CORE	ARMOR PIERCING CORE		
L110-SP-SC-L	1	1	1	1	1
L110-SP-SC-S	1	1	1	1	1
L110-TP-SC-XXL	1	1	1	1	1
L110-TP-SC-XL	1	1	1	1	1
L110-TP-SC-L	1	1	1	1	1
L110-TP-SC-M	1	1	1	1	1
L110-TP-SC-S	1	1	1	1	1

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 IIIA requires six .357 sig (9 mm FMJ in the case of NIJ 0108.01) and six .44 mag 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.

Export Control Advisory

Model L110 (ECCN 1A005.b) 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.

General Information

Advanced UHMWPE design. Buoyant. Water repellent polyurethane coated CORDURA® fabric finish. Made in the U.S.A.

NIJ Standard-0101.06

Special threat testing conducted in accordance with NIJ Standard-0101.06 (modified).

NIJ Standard-0108.01

Tested and verified to meet or exceed ballistic resistance as specified under NIJ Standard-0108.01.

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Quality Standards: Hesco operates a Quality Management System certified to ISO 9001:2015/BA 9000:2016. Approved Certificate Number: C2019-01385. AQAP 2110 Conformance, Approved Certificate Number: C2019-01645.

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