

TECHNICAL SPECIFICATIONS 100 SERIES BALLISTIC INSERTS

3110 LEVEL III+ · Stand Alone



THICKNESS: 1.10 in (28 mm)

SINGLE CURVE - SIDE PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
3110-SP-SC-L	6.0 x 8.0 in (152 x 203 mm)	2.5 lb (1.1 kg)
3110-SP-SC-S	6.0 x 6.0 in (152 x 152 mm)	1.8 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:
3110

	LEAD CORE		MILD STEEL CORE		ARMOR PIERCING CORE		
	5.56 x 45 mm - M93 Max Velocity 2950 ft/s (900 m/s)	7.62 x 39 mm - M07 Max Velocity 2390 ft/s (728 m/s)	7.62 x 51 mm - M80 Max Velocity 2800 ft/s (853 m/s)	5.56 x 45 mm - M855/S&S109 Max Velocity 2950 ft/s (900 m/s)	7.62 x 39 mm - M43 Max Velocity 2390 ft/s (728 m/s)	7.62 x 54R - LPS Max Velocity 2850 ft/s (869 m/s)	7.62 x 39 mm - AP1 Max Velocity 2390 ft/s (728 m/s)
3110-SP-SC-L	1	1	1	1	1	1	1
3110-SP-SC-S	1	1	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 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. Light AP protection including 7.62 x 39 mm API. 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 (modified) plus Special Rifle Threats validated.

Export Control Advisory

Model 3110 (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.

Hesco Armor, Inc.
2210 Port Industrial Road
Aberdeen WA 98520, United States
Telephone: +1 360 637 6867

Hesco Group
Unit 41, Knowsthorpe Way
Leeds LS9 0SW, United Kingdom
Telephone: +44 113 248 6633
Email: support@hesco.com

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.

Patents and Trademarks: HESCO® products are subject to patents and/or patent applications in territories around the world. HESCO® is a registered trademark of Hesco Bastion Ltd and its affiliates ("Hesco") around the world. Other trademarks also apply. For full details, please go to: www.hesco.com/legal_notice

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.

This material is subject to copyright protection. Copyright © 2020 Hesco. All rights reserved.

hesco.com