

TECHNICAL SPECIFICATIONS 100 SERIES BALLISTIC INSERTS

3100 LEVEL III • Stand Alone



THICKNESS: 1.26 in (32 mm)

SINGLE CURVE - SIDE PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
3100-SP-SC-L	6.0 x 8.0 in (152 x 203 mm)	1.4 lb (0.6 kg)
3100-SP-SC-S	6.0 x 6.0 in (152 x 152 mm)	1.0 lb (0.5 kg)



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:
3100

	LEAD CORE		MILD STEEL CORE	
	5.56 x 45 mm - M93 Max Velocity 2950 ft/s (900 m/s)	7.62 x 39 mm - M67 Max Velocity 2390 ft/s (728 m/s)	7.62 x 51 mm - M80 Max Velocity 2800 ft/s (853 m/s)	7.62 x 39 mm - M43 Max Velocity 2390 ft/s (728 m/s)
3100-SP-SC-L	1	1	1	1
3100-SP-SC-S	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

Tensylon® design. Buoyant. 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 3100 (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 9001:2015/BA 9000:2016. Approved Certificate Number: C2019-01385. AQAP 2110 Conformance, Approved Certificate Number: C2019-01645.

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