

TECHNICAL SPECIFICATIONS 100 SERIES BALLISTIC INSERTS

# 4101 LEVEL IV · Stand Alone



THICKNESS: 1.19 in (30 mm), AREAL DENSITY: 9.08 lb/ft<sup>2</sup>

SINGLE CURVE - SIDE PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
4101-SP-SC-L	6.0 x 8.0 in (152 x 203 mm)	2.7 lb (1.2 kg)
4101-SP-SC-S	6.0 x 6.0 in (152 x 152 mm)	1.9 lb (0.9 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: 4101	LEAD CORE			MILD STEEL CORE			ENHANCED PERFORMANCE			ARMOR PIERCING CORE		
	5.56 x 45 mm - M63 Max Velocity 3280 ft/s (1000 m/s)	7.62 x 39 mm - M67 Max Velocity 2400 ft/s (735 m/s)	7.62 x 51 mm - M80* Max Velocity 2810 ft/s (866 m/s)	5.56 x 45 mm - M85/SS109 Max Velocity 3150 ft/s (960 m/s)	7.62 x 39 mm - M43 Max Velocity 2410 ft/s (735 m/s)	7.62 x 54R - LPS Max Velocity 2832 ft/s (863 m/s)	5.56 x 45 mm - M855A1 Max Velocity 3180 ft/s (969 m/s)	7.62 x 51 mm - M80A1 Max Velocity 3050 ft/s (930 m/s)	7.62 x 39 mm - API Max Velocity 2410 ft/s (735 m/s)	7.62 x 54R B32 - API Max Velocity 2850 ft/s (869 m/s)	7.62 x 51 mm - M61 Max Velocity 2830 ft/s (863 m/s)	7.62 x 63 mm - AP M2 - ** Max Velocity 2910 ft/s (887 m/s)
4101-SP-SC-L	1	1	1	1	1	1	1	1	1	1	1	1
4101-SP-SC-S	1	1	1	1	1	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**

Lightweight ceramic/Spectra® design. Water repellent polyurethane coated 1000 Denier 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 4101 (USML Category X(d)(1)) is subject to the International Traffic in Arms Regulations (ITAR). 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 State DDTIC export license, or applicable ITAR license Exemption.

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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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