

TECHNICAL SPECIFICATIONS 800 SERIES BALLISTIC INSERTS

# 3810LV

LEVEL III+ · ICW  
Use with IIIA Soft Armor



THICKNESS: 0.6 in (15 mm)

SHOOTER CUT - MULTI CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
3810LV-SH-MC-L	10.0 x 12.0 in (254 x 305 mm)	3.9 lb (1.7 kg)
3810LV-SH-MC-S	8.0 x 10.0 in (203 x 254 mm)	2.5 lb (1.1 kg)

SAPI CUT - MULTI CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
3810LV-SA-MC-XL	11.0 x 14.0 in (279 x 356 mm)	5.3 lb (2.4 kg)
3810LV-SA-MC-L	10.25 x 13.25 in (260 x 337 mm)	4.6 lb (2.1 kg)
3810LV-SA-MC-M	9.50 x 12.50 in (241 x 318 mm)	4.0 lb (1.8 kg)
3810LV-SA-MC-S	8.75 x 11.75 in (222 x 298 mm)	3.4 lb (1.6 kg)



Full Cut option available by special order only.  
Please contact your Hesco Armor representative for more information.

**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:  
**3810LV**

	5.56 x 45 mm - M193 Max Velocity 3150 ft/s (960 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 63 mm - JSF Max Velocity 2780 ft/s (847 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 2390 ft/s (728 m/s)		7.62 x 54R - LPS Max Velocity 2850 ft/s (869 m/s)	
	LEAD CORE	MILD STEEL CORE	LEAD CORE	MILD STEEL CORE	LEAD CORE	MILD STEEL CORE	LEAD CORE	MILD STEEL CORE	LEAD CORE	MILD STEEL CORE	LEAD CORE	MILD STEEL CORE	LEAD CORE	MILD STEEL CORE
3810LV-SH-MC-L	6	6	6	6	6	6	3	3	3	3	3	3	3	3
3810LV-SH-MC-S	3	3	3	3	3	3	3	3	3	3	3	3	3	1
3810LV-SA-MC-XL	6	6	6	6	6	6	3	3	3	3	3	3	3	3
3810LV-SA-MC-L	6	6	6	6	6	6	3	3	3	3	3	3	3	3
3810LV-SA-MC-M	6	6	6	6	6	6	3	3	3	3	3	3	3	3
3810LV-SA-MC-S	3	3	3	3	3	3	3	3	3	3	3	3	3	1

\* 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.

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 at left.

Hesco engineers utilize various NIJ-valid shot patterns based on specific product goals such as minimizing plate weight and thickness, plate shape, or meeting end-user specifications. Before conducting independent testing, contact Hesco for specific shot pattern information.

Level III requires six rounds of 7.62 x 51 mm - M80 per plate.

For reduced thickness, the 3810LV does not have front face or back face foam layers and therefore **does not meet the drop test or backface signature deformation requirements of NIJ Standard-0101.06**. Otherwise, its ballistic performance is consistent with the 3810.

**General Information**

Advanced ceramic/Spectra® design. Mult shot rated on selected threats. Light AP protection including 5.56 x 45 M855. 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 3810LV (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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