

# TECHNICAL SPECIFICATIONS 800 SERIES BALLISTIC INSERTS

# 4800LVC

**SPECIAL RIFLE THREATS** • Stand Alone  
Special Order Item



**THICKNESS: 0.71 in (18 mm)**

## SHOOTER CUT - MULTI CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
<b>4800LVC-SH-MC-L</b>	10.0 x 12.0 in (254 x 305 mm)	4.93lb (2.2 kg)
<b>4800LVC-SH-MC-S</b>	8.0 x 10.0 in (203 x 254 mm)	3.20 lb (1.5 kg)

## SAPI CUT - MULTI CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
<b>4800LVC-SA-MC-XL</b>	11.00 x 14.00 in (279 x 356 mm)	6.80 lb (3.1 kg)
<b>4800LVC-SA-MC-L</b>	10.25 x 13.25 in (260 x 337 mm)	5.90lb (2.7 kg)
<b>4800LVC-SA-MC-M</b>	9.50 x 12.50 in (241 x 318 mm)	5.13lb (2.3 kg)
<b>4800LVC-SA-MC-S</b>	8.75 x 11.75 in (222 x 298 mm)	4.39lb (2.0 kg)



SHOOTER  
SAPI  
Recommended  
side plate  
pairing:  
4101

### Manufacturing Tolerances:

Actual nominal sizes are 0.2 in smaller than listed. All weights are  $\pm 5\%$ .  
Thickness dimensions are  $\pm 1/8$  in ( $\pm 3$  mm). Width and length dimensions are  $\pm 0.13$  in ( $\pm 3$  mm).

## THREAT PERFORMANCE MATRIX: 4800LVC

	LEAD CORE					MILD STEEL CORE			ENHANCED PERFORMANCE		ARMOR PIERCING CORE		
	5.56 x 45 mm M193 Max Velocity 2600 ft/s (790 m/s)	7.62 x 39 mm M67 Max Velocity 2300 ft/s (700 m/s)	7.62 x 51 mm M80 * Max Velocity 2800 ft/s (853 m/s)	7.62 x 63 mm - JSF Max Velocity 2700 ft/s (817 m/s)	5.56 x 45 mm M855A1 Max Velocity 2600 ft/s (790 m/s)	7.62 x 39 mm M43 Max Velocity 2300 ft/s (700 m/s)	7.62 x 54R - LPS Max Velocity 2800 ft/s (853 m/s)	5.56 x 45 mm M855A1 Max Velocity 2600 ft/s (790 m/s)	7.62 x 51 mm M80A1 Max Velocity 2650 ft/s (808 m/s)	7.62 x 39 mm - API Max Velocity 2300 ft/s (700 m/s)	7.62 x 51 mm - API Max Velocity 2800 ft/s (853 m/s)	7.62 x 51 mm - M67 Max Velocity 2300 ft/s (700 m/s)	7.62 x 63 mm - AP M2 ** Max Velocity 2000 ft/s (609 m/s)
4800LVC-SH-MC-L	3	3	3	3	3	3	3	1	3	1	1	1	1
4800LVC-SH-MC-S	3	3	3	3	3	3	1	3	1	1	1	1	1
4800LVC-SA-MC-XL	3	3	3	3	3	3	3	1	3	1	1	1	1
4800LVC-SA-MC-L	3	3	3	3	3	3	3	1	3	1	1	1	1
4800LVC-SA-MC-M	3	3	3	3	3	3	3	1	3	1	1	1	1
4800LVC-SA-MC-S	3	3	3	3	3	3	1	3	1	1	1	1	1

\* NIJ Level III Certification Threat \*\* NIJ Level IV 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 IV requires one round of 7.62 x 63 mm - M2AP per plate.

For reduced thickness, the 4800LVC 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 4800.

### General Information

Advanced ceramic/Spectra® design. Water repellent, sprayed-on polyurea coated finish. Made in the U.S.A.

**WARNING: HANDLE WITH EXTRA CARE!**

**AVAILABLE TO QUALIFIED AGENCIES ONLY.**

### Export Control Advisory

Model 4800LVC (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 DDTC export license, or applicable ITAR license Exemption.

### 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

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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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