

# TECHNICAL SPECIFICATIONS 800 SERIES BALLISTIC INSERTS

## 3810 LEVEL III+ • Stand Alone • NIJ Certified



**THICKNESS: 0.98 in (25 mm)**

### SHOOTER CUT - MULTI CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
3810-SH-MC-L	10.0 x 12.0 in (254 x 305 mm)	3.9 lb (1.8 kg)
3810-SH-MC-S	8.0 x 10.0 in (203 x 254 mm)	2.5 lb (1.2 kg)

### SAPI CUT - MULTI CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
3810-SA-MC-XL	11.00 x 14.00 in (279 x 356 mm)	5.4 lb (2.5 kg)
3810-SA-MC-L	10.25 x 13.25 in (260 x 337 mm)	4.7 lb (2.1 kg)
3810-SA-MC-M	9.50 x 12.50 in (241 x 318 mm)	4.1 lb (1.8 kg)
3810-SA-MC-S	8.75 x 11.75 in (222 x 298 mm)	3.5 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  $\pm 1/8$  in ( $\pm 3$  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: 3810

	LEAD CORE				MILD STEEL CORE			
	5.56 x 45 mm - M193 Max Velocity 3150 ft/s (960 m/s)	7.62 x 39 mm - M67 Max Velocity 2350 ft/s (728 m/s)	7.62 x 51 mm - M80 Max Velocity 2800 ft/s (853 m/s)	7.62 x 63 mm - JSP Max Velocity 2780 ft/s (847 m/s)	5.56 x 45 mm - M855/ES109 Max Velocity 3150 ft/s (960 m/s)	7.62 x 39 mm - M43 Max Velocity 2350 ft/s (728 m/s)	7.62 x 54R - LP5 Max Velocity 2850 ft/s (869 m/s)	
3810-SH-MC-L	6	6	6	6	3	3	3	
3810-SH-MC-S	3	3	3	3	3	3	1	
3810-SA-MC-XL	6	6	6	6	6	3	3	
3810-SA-MC-L	6	6	6	6	6	3	3	
3810-SA-MC-M	6	6	6	6	6	3	3	
3810-SA-MC-S	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. 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 testing process. The minimum number of shots are shown in the Threat Performance Matrix.

### 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 3810 (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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