

# TECHNICAL SPECIFICATIONS 800 SERIES BALLISTIC INSERTS

## 3800 LEVEL III • Stand Alone • NIJ Certified • BUOYANT



**THICKNESS: 1.05 in (27 mm)**

### SHOOTER CUT - MULTI CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
3800-SH-MC-L	10.0 x 12.0 in (254 x 305 mm)	2.2 lb (1.0 kg)
3800-SH-MC-S	8.0 x 10.0 in (203 x 254 mm)	1.4 lb (0.6 kg)

### SAPI CUT - MULTI CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
3800-SA-MC-XL	11.00 x 14.00 in (279 x 356 mm)	3.0 lb (1.4 kg)
3800-SA-MC-L	10.25 x 13.25 in (260 x 337 mm)	2.6 lb (1.2 kg)
3800-SA-MC-M	9.50 x 12.50 in (241 x 318 mm)	2.3 lb (1.0 kg)
3800-SA-MC-S	8.75 x 11.75 in (222 x 298 mm)	1.9 lb (0.9 kg)

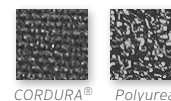


#### Manufacturing Tolerances:

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%.

Model 3800 also available with a water repellant sprayed-on polyurea finish. Weights and thicknesses for that option may vary slightly from the numbers listed on these tables.

See separate 3800C tech sheet or contact Hesco Armor or your nearest Hesco distributor for additional information.



### THREAT PERFORMANCE MATRIX:

#### 3800

	LEAD CORE			MILD STEEL CORE	
	5.56 x 45 mm - M193 Max Velocity 350 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 - JSP Max Velocity 2780 ft/s (847 m/s)	7.62 x 39 mm - M43 Max Velocity 2390 ft/s (728 m/s)
3800-SH-MC-L	6	6	6	3	6
3800-SH-MC-S	3	3	3	1	3
3800-SA-MC-XL	6	6	6	3	6
3800-SA-MC-L	6	6	6	3	6
3800-SA-MC-M	6	6	6	3	6
3800-SA-MC-S	3	3	3	1	3

\* 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.

### General Information

Advanced Spectra® design. Buoyant. Multi shot rated on selected threats. 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 3800 (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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