

# TECHNICAL SPECIFICATIONS 400 SERIES BALLISTIC INSERTS

## BI 3401 LEVEL III STAND ALONE

NIJ Certified



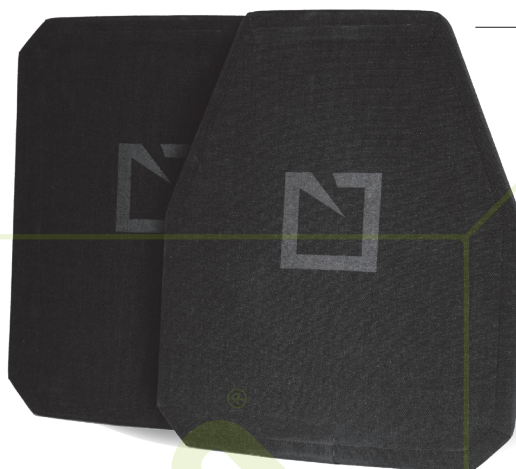
THICKNESS: 1.26 in (32 mm)

### SHOOTER CUT - SINGLE CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
3401-SH-SC-L	10.0 x 12.0 in (254 x 305 mm)	3.2 lb (1.5 kg)
3401-SH-SC-S	8.0 x 10.0 in (203 x 254 mm)	2.1 lb (0.9 kg)

### FULL CUT - SINGLE CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
3401-FC-SC-L	10.0 x 12.0 in (254 x 305 mm)	3.6 lb (1.6 kg)
3401-FC-SC-S	8.0 x 10.0 in (203 x 254 mm)	2.3 lb (1.1 kg)



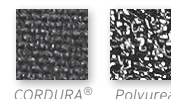
Recommended side plate pairing: BI 3100

#### 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  $\pm 5\%$ .

As an alternative to the standard CORDURA® nylon wrapped finish, a sprayed-on polyurea finish is available on some ballistic insert models. Weights and thicknesses for that option may vary slightly from the numbers listed on these tables.

Contact Hesco Armor or your nearest Hesco distributor for additional information.



### THREAT PERFORMANCE MATRIX

400 SERIES	LEAD CORE					MILD STEEL CORE
	5.56 x 45 mm - M83 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 - JSP Max Velocity 2780 ft/s (847 m/s)	7.62 x 39 mm - M43 Max Velocity 2390 ft/s (728 m/s)	
3401-SH-SC-L	6	6	6	6	6	
3401-SH-SC-S	3	3	3	3	3	
3401-FC-SC-L	6	6	6	6	6	
3401-FC-SC-S	3	3	3	3	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. 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

Tensylon® 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 BI 3401 (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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#### US and Americas Inquiries

Hesco Armor, Inc., 2210 Port Industrial Road, Aberdeen, WA 98520, United States  
Telephone: +1 360-637-6867

#### UK and Rest of World Inquiries

Hesco Bastion Ltd., 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 9001:2008. Approved Certificate Numbers: C2016-01513; BA9000: 2012; AQAP 2110

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