

# TECHNICAL SPECIFICATIONS



## BI 4403

### LEVEL IV MULTI CURVE STAND ALONE BALLISTIC INSERT

NIJ CERTIFICATION PENDING (STANDARD-0101.06)

1421 SELINDA AVE  
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THICKNESS: .83"(21 mm)  
TORSO PANEL MULTI-CURVE

PART NUMBER	WIDTH x LENGTH	WEIGHT
4403-MC-SH-MC-L	10 x 12 in (254 x 304.8 mm)	7.75 lb (3.5 kg)
4403-MC-SA-MC-M	9.50 x 12.50 in (241 x 318 mm)	7.8 lb (3.53 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%.

## THREAT PERFORMANCE MATRIX

	LEAD CORE				MILD STEEL CORE				ARMOR PIERCING CORE			
	5.56 x 45 mm - M193 Max Velocity 3200 ft/s (975 m/s)	7.62 x 39 mm - M67 Max Velocity 2800 ft/s (755 m/s)	7.62 x 51 mm - M80 Max Velocity 2800 ft/s (862 m/s)	7.62 x 63 mm - JSP Max Velocity 2700 ft/s (822 m/s)	5.56 x 45 mm - M855 Max Velocity 3100 ft/s (943 m/s)	7.62 x 39 mm - M43 Max Velocity 2800 ft/s (853 m/s)	7.62 x 51 mm - M43 Max Velocity 2800 ft/s (853 m/s)	7.62 x 39 mm - AP1 Max Velocity 2800 ft/s (853 m/s)	7.62 x 51 mm - AP1 Max Velocity 2800 ft/s (853 m/s)	7.62 x 63 mm - M855 Max Velocity 2800 ft/s (853 m/s)	7.62 x 63 mm - AP M2 Max Velocity 2800 ft/s (853 m/s)	
4403-SA-MC-L	6	6	3	1	6	3	1	3	1	1	1	*NIJ LEVEL III CERTIFICATION THREAT
4403-SA-MC-M	6	6	3	1	6	3	1	3	1	1	1	** NIJ Level IV Certification Threat

### CALIBER ARMOR BALLISTIC RESISTANCE 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. Caliber Armor 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

Ceramic/composite design. Water repellant poly-urethane 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.

### DISCLAIMER

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### EXPORT CONTROL ADVISORY

Model BI 4403 (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.

### QUALITY STANDARDS

Caliber Armor operates a quality management system. This armor was manufactured in a facility certified to ISO 9001:2008. Ap-proved Certificate Numbers: C2016-01513; BA9000:2012: AQAP 2110



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