

EVRAZ North America produces a wide range of steel armor plate specifications for the defense and security industries. End uses include heavy, medium, and light military vehicles, add-on armor kits, VIP armored cars, personnel protection, and security structures.

SPECIFICATIONS	Thickness (in.)		Thickness (mm)	
	min.	max.	min.	max.
MIL-DTL-12560J Class 1	0.140	4.000	3.6	102
MIL-DTL-12560J Class 2	0.140	2.000	3.6	50.8
MIL-DTL-12560J Class 3	0.140	4.000	3.6	102
MIL-DTL-12560J Class 4a	0.140	2.000	3.6	50.8
MIL-DTL-32332	0.1575	0.500	4.00	12.7
MIL-DTL-46100E	0.1575	2.000	4.00	50.8
ARMALLOY 440T	0.140	2.000	3.6	50.8
ARMALLOY 500HH	0.1575	2.000	4.00	50.8
ARMALLOY 550HH+	0.1575	0.500	4.00	12.7
ARMALLOY 650UHH	0.1575	0.500	4.00	12.7

DIMENSIONS	Width (in.)		Length (in.)		Width (mm)		Length (m)	
	min.	max.	min.	max.	min.	max.	min.	max.
	48	102	96	480	1220	2590	2.4	12

BALLISTIC PROPERTIES ARMALLOY 500HH					
Specifications	Ammunition	Velocity (ft/s)	Velocity (m/s)	Min Thick (in.)	Min Thick (mm)
<b>NIJ</b>					
3	7.62 x 51 M80	2750 +/- 49	838 +/- 15	0.250	6.35
4	30.06 M2, AP	2850 +/- 49	869 +/- 15	0.500	12.7
<b>STANAG</b>					
	5.56 x 45 M193	3073 +/- 66	937 +/- 20		
1	7.62 M80	2733 +/- 66	833 +/- 20	0.357	9.00
	5.56 x 45 SS109/M855	2953 +/- 66	900 +/- 20		
2	7.62 x 39 API BZ	2280 +/- 66	695 +/- 20	0.472	12.0
<b>EN</b>					
FB4	7.62 x 39 M43	2362 +/- 32	720 +/- 10	0.157	4.00
FB5	5.56 x 45 SS109/M855	3116 +/- 32	965 +/- 10	0.236	6.00
FB5	5.56 x 45 SS109/M855	3116 +/- 32	965 +/- 10	0.250	6.35
FB6	7.62 M80	2722 +/- 32	830 +/- 10	0.250	6.35
FB7	7.62 x 51 P80 AP	2690 +/- 32	820 +/- 10	0.551	14.0

BALLISTIC PROPERTIES ARMALLOY 650UHH					
Specifications	Ammunition	Velocity (ft/s)	Velocity (m/s)	Min Thick (in.)	Min Thick (mm)
<b>NIJ</b>					
3	7.62 x 51 M80	2750 +/- 49	838 +/- 15	0.250	6.35
4		2850 +/- 49	869 +/- 15		
<b>STANAG</b>					
	5.56 x 45 M193	3073 +/- 66	937 +/- 20		
1	7.62 M80	2733 +/- 66	833 +/- 20	0.250	6.35
	5.56 x 45 SS109/M855	2953 +/- 66	900 +/- 20		
2	7.62 x 39 API BZ	2280 +/- 66	695 +/- 20	0.250	6.35
<b>EN</b>					
FB5	5.56 x 45 SS109/M855	3116 +/- 32	965 +/- 10	0.187	4.75
FB5	5.56 x 45 SS109/M855	3116 +/- 32	965 +/- 10	0.236	6.00
FB6	7.62 M80	2722 +/- 32	830 +/- 10	0.236	6.00
FB7	7.62 x 51 P80 AP	2690 +/- 32	820 +/- 10	0.315	8.00

\*Additional ballistic properties not listed above are available upon request

Please refer to EVRAZ Armalloy Data Sheets for instructions on welding and fabrication.

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