

FEDERAL  **PREMIUM**[®]
LAW ENFORCEMENT

SPEED[®]**LE**

LAW ENFORCEMENT
RIFLE DATA BOOK

PROTOCOL PROVEN

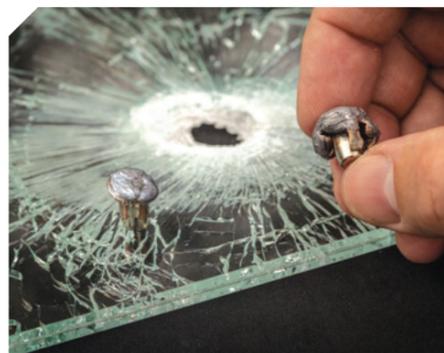
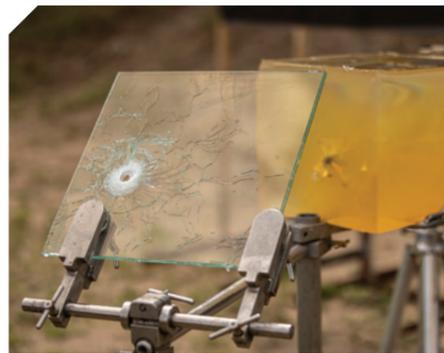
The FBI provided the **science** and the **protocol**. Federal and Speer follow it from product concept to completion, engineering to production, and presentation to performance. We take FBI protocol testing **seriously** and follow it **stringently** because we are **committed** to law enforcement and **devoted** to providing them the best ammunition to keep their communities safe.

We **calibrate** gel, **measure** expansion and **follow the protocol** to the letter. We involve officers and agencies in testing during our Wound Ballistic Workshops, giving them a hands-on role in testing and recording performance.

The results speak for themselves: **Technologically advanced** products designed specifically for **law enforcement** that meet and **exceed** FBI protocol requirements.

The **REPUTATION** wasn't **GIVEN** to us. It was **EARNED**.

Feel **confident** in any situation and **every day** you are on the street.



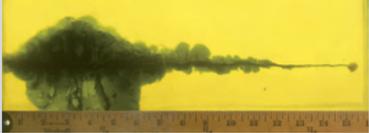
Please contact your Vista Outdoor LE Distributor or find your Regional Vista Outdoor LE Specialist at le.vistaoutdoor.com.

223 Rem.

BARE GELATIN

HEAVY CLOTHING

Caliber	Wound Characteristics	Stats	Recovered Bullet										
T223E Tactical® Tru® 223-55 Gr. Sierra® BTHP		<table border="1"> <tr><td>Velocity</td><td>2815</td></tr> <tr><td>Penetration</td><td>11.25"</td></tr> <tr><td>Expansion</td><td>.3955"</td></tr> <tr><td>Retained Wt.</td><td>16.8 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>30.55%</td></tr> </table>	Velocity	2815	Penetration	11.25"	Expansion	.3955"	Retained Wt.	16.8 Gr.	Percent Wt. Retained	30.55%	
Velocity	2815												
Penetration	11.25"												
Expansion	.3955"												
Retained Wt.	16.8 Gr.												
Percent Wt. Retained	30.55%												
LE223T1 Tactical® Bonded 223-55 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2705</td></tr> <tr><td>Penetration</td><td>14.75"</td></tr> <tr><td>Expansion</td><td>.469"</td></tr> <tr><td>Retained Wt.</td><td>55 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>100%</td></tr> </table>	Velocity	2705	Penetration	14.75"	Expansion	.469"	Retained Wt.	55 Gr.	Percent Wt. Retained	100%	
Velocity	2705												
Penetration	14.75"												
Expansion	.469"												
Retained Wt.	55 Gr.												
Percent Wt. Retained	100%												
LE223T3 Tactical® Bonded 223-62 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2716</td></tr> <tr><td>Penetration</td><td>16"</td></tr> <tr><td>Expansion</td><td>.4955"</td></tr> <tr><td>Retained Wt.</td><td>60.9 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>98.23%</td></tr> </table>	Velocity	2716	Penetration	16"	Expansion	.4955"	Retained Wt.	60.9 Gr.	Percent Wt. Retained	98.23%	
Velocity	2716												
Penetration	16"												
Expansion	.4955"												
Retained Wt.	60.9 Gr.												
Percent Wt. Retained	98.23%												
24446 Gold Dot® 223-55 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>3013</td></tr> <tr><td>Penetration</td><td>14"</td></tr> <tr><td>Expansion</td><td>.488"</td></tr> <tr><td>Retained Wt.</td><td>43.6 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>79.27%</td></tr> </table>	Velocity	3013	Penetration	14"	Expansion	.488"	Retained Wt.	43.6 Gr.	Percent Wt. Retained	79.27%	
Velocity	3013												
Penetration	14"												
Expansion	.488"												
Retained Wt.	43.6 Gr.												
Percent Wt. Retained	79.27%												
24475 Gold Dot® 223-75 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2502</td></tr> <tr><td>Penetration</td><td>17.5"</td></tr> <tr><td>Expansion</td><td>.544"</td></tr> <tr><td>Retained Wt.</td><td>74.8 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>99.73%</td></tr> </table>	Velocity	2502	Penetration	17.5"	Expansion	.544"	Retained Wt.	74.8 Gr.	Percent Wt. Retained	99.73%	
Velocity	2502												
Penetration	17.5"												
Expansion	.544"												
Retained Wt.	74.8 Gr.												
Percent Wt. Retained	99.73%												
24445SP Gold Dot® 223-62 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2692</td></tr> <tr><td>Penetration</td><td>19"</td></tr> <tr><td>Expansion</td><td>.347"</td></tr> <tr><td>Retained Wt.</td><td>36 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>56.25%</td></tr> </table>	Velocity	2692	Penetration	19"	Expansion	.347"	Retained Wt.	36 Gr.	Percent Wt. Retained	56.25%	
Velocity	2692												
Penetration	19"												
Expansion	.347"												
Retained Wt.	36 Gr.												
Percent Wt. Retained	56.25%												

Caliber	Wound Characteristics	Stats	Recovered Bullet										
T223E Tactical® Tru® 223-55 Gr. Sierra® BTHP		<table border="1"> <tr><td>Velocity</td><td>2815</td></tr> <tr><td>Penetration</td><td>11"</td></tr> <tr><td>Expansion</td><td>.3865"</td></tr> <tr><td>Retained Wt.</td><td>23.6 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>42.91%</td></tr> </table>	Velocity	2815	Penetration	11"	Expansion	.3865"	Retained Wt.	23.6 Gr.	Percent Wt. Retained	42.91%	
Velocity	2815												
Penetration	11"												
Expansion	.3865"												
Retained Wt.	23.6 Gr.												
Percent Wt. Retained	42.91%												
LE223T1 Tactical® Bonded 223-55 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2705</td></tr> <tr><td>Penetration</td><td>15.5"</td></tr> <tr><td>Expansion</td><td>.461"</td></tr> <tr><td>Retained Wt.</td><td>55 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>100%</td></tr> </table>	Velocity	2705	Penetration	15.5"	Expansion	.461"	Retained Wt.	55 Gr.	Percent Wt. Retained	100%	
Velocity	2705												
Penetration	15.5"												
Expansion	.461"												
Retained Wt.	55 Gr.												
Percent Wt. Retained	100%												
LE223T3 Tactical® Bonded 223-62 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2716</td></tr> <tr><td>Penetration</td><td>17"</td></tr> <tr><td>Expansion</td><td>.448"</td></tr> <tr><td>Retained Wt.</td><td>62 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>100%</td></tr> </table>	Velocity	2716	Penetration	17"	Expansion	.448"	Retained Wt.	62 Gr.	Percent Wt. Retained	100%	
Velocity	2716												
Penetration	17"												
Expansion	.448"												
Retained Wt.	62 Gr.												
Percent Wt. Retained	100%												
24446 Gold Dot® 223-55 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>3013</td></tr> <tr><td>Penetration</td><td>14.75"</td></tr> <tr><td>Expansion</td><td>.591"</td></tr> <tr><td>Retained Wt.</td><td>55 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>100%</td></tr> </table>	Velocity	3013	Penetration	14.75"	Expansion	.591"	Retained Wt.	55 Gr.	Percent Wt. Retained	100%	
Velocity	3013												
Penetration	14.75"												
Expansion	.591"												
Retained Wt.	55 Gr.												
Percent Wt. Retained	100%												
24475 Gold Dot® 223-75 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2530</td></tr> <tr><td>Penetration</td><td>16.75"</td></tr> <tr><td>Expansion</td><td>.577"</td></tr> <tr><td>Retained Wt.</td><td>72.8 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>97.07%</td></tr> </table>	Velocity	2530	Penetration	16.75"	Expansion	.577"	Retained Wt.	72.8 Gr.	Percent Wt. Retained	97.07%	
Velocity	2530												
Penetration	16.75"												
Expansion	.577"												
Retained Wt.	72.8 Gr.												
Percent Wt. Retained	97.07%												
24445SP Gold Dot® 223-62 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2692</td></tr> <tr><td>Penetration</td><td>14.75"</td></tr> <tr><td>Expansion</td><td>.6905"</td></tr> <tr><td>Retained Wt.</td><td>62 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>100%</td></tr> </table>	Velocity	2692	Penetration	14.75"	Expansion	.6905"	Retained Wt.	62 Gr.	Percent Wt. Retained	100%	
Velocity	2692												
Penetration	14.75"												
Expansion	.6905"												
Retained Wt.	62 Gr.												
Percent Wt. Retained	100%												

Firearm: AR-15
Barrel: 16 inches
Twist Rate: 1:7 inches
Range: 10 yards

Expansion, retained weight and percentage retained weight are based on the largest available bullet fragment.
 Velocity are based on 5 round averages from the test rifle.



FEDERAL PREMIUM® LAW ENFORCEMENT

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223 Rem.

STEEL

WALL BOARD

FEDERAL PREMIUM® LAW ENFORCEMENT

Caliber	Wound Characteristics	Stats	Recovered Bullet										
T223E Tactical® Tru® 223-55 Gr. Sierra® BTHP		<table border="1"> <tr><td>Velocity</td><td>2815</td></tr> <tr><td>Penetration</td><td>9"</td></tr> <tr><td>Expansion</td><td>.2585"</td></tr> <tr><td>Retained Wt.</td><td>5.2 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>9.45%</td></tr> </table>	Velocity	2815	Penetration	9"	Expansion	.2585"	Retained Wt.	5.2 Gr.	Percent Wt. Retained	9.45%	
Velocity	2815												
Penetration	9"												
Expansion	.2585"												
Retained Wt.	5.2 Gr.												
Percent Wt. Retained	9.45%												
LE223T1 Tactical® Bonded 223-55 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2705</td></tr> <tr><td>Penetration</td><td>10.75"</td></tr> <tr><td>Expansion</td><td>.4715"</td></tr> <tr><td>Retained Wt.</td><td>44.1 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>80.18%</td></tr> </table>	Velocity	2705	Penetration	10.75"	Expansion	.4715"	Retained Wt.	44.1 Gr.	Percent Wt. Retained	80.18%	
Velocity	2705												
Penetration	10.75"												
Expansion	.4715"												
Retained Wt.	44.1 Gr.												
Percent Wt. Retained	80.18%												
LE223T3 Tactical® Bonded 223-62 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2716</td></tr> <tr><td>Penetration</td><td>14.25"</td></tr> <tr><td>Expansion</td><td>.4365"</td></tr> <tr><td>Retained Wt.</td><td>54.4 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>87.74%</td></tr> </table>	Velocity	2716	Penetration	14.25"	Expansion	.4365"	Retained Wt.	54.4 Gr.	Percent Wt. Retained	87.74%	
Velocity	2716												
Penetration	14.25"												
Expansion	.4365"												
Retained Wt.	54.4 Gr.												
Percent Wt. Retained	87.74%												
24446 Gold Dot® 223-55 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>3013</td></tr> <tr><td>Penetration</td><td>11.25"</td></tr> <tr><td>Expansion</td><td>.441"</td></tr> <tr><td>Retained Wt.</td><td>25.2 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>45.82%</td></tr> </table>	Velocity	3013	Penetration	11.25"	Expansion	.441"	Retained Wt.	25.2 Gr.	Percent Wt. Retained	45.82%	
Velocity	3013												
Penetration	11.25"												
Expansion	.441"												
Retained Wt.	25.2 Gr.												
Percent Wt. Retained	45.82%												
24475 Gold Dot® 223-75 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2502</td></tr> <tr><td>Penetration</td><td>12.25"</td></tr> <tr><td>Expansion</td><td>.227"</td></tr> <tr><td>Retained Wt.</td><td>74.7 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>99.60%</td></tr> </table>	Velocity	2502	Penetration	12.25"	Expansion	.227"	Retained Wt.	74.7 Gr.	Percent Wt. Retained	99.60%	
Velocity	2502												
Penetration	12.25"												
Expansion	.227"												
Retained Wt.	74.7 Gr.												
Percent Wt. Retained	99.60%												
24445SP Gold Dot® 223-62 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2692</td></tr> <tr><td>Penetration</td><td>11.5"</td></tr> <tr><td>Expansion</td><td>.325"</td></tr> <tr><td>Retained Wt.</td><td>31.3 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>48.91%</td></tr> </table>	Velocity	2692	Penetration	11.5"	Expansion	.325"	Retained Wt.	31.3 Gr.	Percent Wt. Retained	48.91%	
Velocity	2692												
Penetration	11.5"												
Expansion	.325"												
Retained Wt.	31.3 Gr.												
Percent Wt. Retained	48.91%												

SPEER® LAW ENFORCEMENT

Caliber	Wound Characteristics	Stats	Recovered Bullet										
T223E Tactical® Tru® 223-55 Gr. Sierra® BTHP		<table border="1"> <tr><td>Velocity</td><td>2815</td></tr> <tr><td>Penetration</td><td>12.5"</td></tr> <tr><td>Expansion</td><td>.422"</td></tr> <tr><td>Retained Wt.</td><td>21 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>38.18%</td></tr> </table>	Velocity	2815	Penetration	12.5"	Expansion	.422"	Retained Wt.	21 Gr.	Percent Wt. Retained	38.18%	
Velocity	2815												
Penetration	12.5"												
Expansion	.422"												
Retained Wt.	21 Gr.												
Percent Wt. Retained	38.18%												
LE223T1 Tactical® Bonded 223-55 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2705</td></tr> <tr><td>Penetration</td><td>14"</td></tr> <tr><td>Expansion</td><td>.4645"</td></tr> <tr><td>Retained Wt.</td><td>53.7 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>97.64%</td></tr> </table>	Velocity	2705	Penetration	14"	Expansion	.4645"	Retained Wt.	53.7 Gr.	Percent Wt. Retained	97.64%	
Velocity	2705												
Penetration	14"												
Expansion	.4645"												
Retained Wt.	53.7 Gr.												
Percent Wt. Retained	97.64%												
LE223T3 Tactical® Bonded 223-62 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2716</td></tr> <tr><td>Penetration</td><td>17.75"</td></tr> <tr><td>Expansion</td><td>.4205"</td></tr> <tr><td>Retained Wt.</td><td>62 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>100%</td></tr> </table>	Velocity	2716	Penetration	17.75"	Expansion	.4205"	Retained Wt.	62 Gr.	Percent Wt. Retained	100%	
Velocity	2716												
Penetration	17.75"												
Expansion	.4205"												
Retained Wt.	62 Gr.												
Percent Wt. Retained	100%												
24446 Gold Dot® 223-55 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>3013</td></tr> <tr><td>Penetration</td><td>14"</td></tr> <tr><td>Expansion</td><td>.505"</td></tr> <tr><td>Retained Wt.</td><td>42.4 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>77.09%</td></tr> </table>	Velocity	3013	Penetration	14"	Expansion	.505"	Retained Wt.	42.4 Gr.	Percent Wt. Retained	77.09%	
Velocity	3013												
Penetration	14"												
Expansion	.505"												
Retained Wt.	42.4 Gr.												
Percent Wt. Retained	77.09%												
24475 Gold Dot® 223-75 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2521</td></tr> <tr><td>Penetration</td><td>16"</td></tr> <tr><td>Expansion</td><td>.44"</td></tr> <tr><td>Retained Wt.</td><td>70.1 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>93.47%</td></tr> </table>	Velocity	2521	Penetration	16"	Expansion	.44"	Retained Wt.	70.1 Gr.	Percent Wt. Retained	93.47%	
Velocity	2521												
Penetration	16"												
Expansion	.44"												
Retained Wt.	70.1 Gr.												
Percent Wt. Retained	93.47%												
24445SP Gold Dot® 223-62 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2692</td></tr> <tr><td>Penetration</td><td>19.5"</td></tr> <tr><td>Expansion</td><td>.468"</td></tr> <tr><td>Retained Wt.</td><td>49 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>76.56%</td></tr> </table>	Velocity	2692	Penetration	19.5"	Expansion	.468"	Retained Wt.	49 Gr.	Percent Wt. Retained	76.56%	
Velocity	2692												
Penetration	19.5"												
Expansion	.468"												
Retained Wt.	49 Gr.												
Percent Wt. Retained	76.56%												

FEDERAL PREMIUM® LAW ENFORCEMENT

SPEER® LAW ENFORCEMENT

Expansion, retained weight and percentage retained weight are based on the largest available bullet fragment. Velocity are based on 5 round averages from the test rifle.

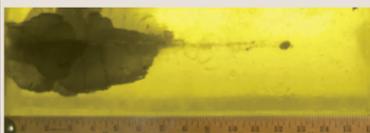
Firearm: AR-15
Barrel: 16 inches
Twist Rate: 1:7 inches
Range: 10 yards



223 Rem.

PLYWOOD

AUTO GLASS

Caliber	Wound Characteristics	Stats	Recovered Bullet										
T223E Tactical® Tru® 223-55 Gr. Sierra® BTHP		<table border="1"> <tr><td>Velocity</td><td>2815</td></tr> <tr><td>Penetration</td><td>11.25"</td></tr> <tr><td>Expansion</td><td>.41"</td></tr> <tr><td>Retained Wt.</td><td>30.9 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>56.18%</td></tr> </table>	Velocity	2815	Penetration	11.25"	Expansion	.41"	Retained Wt.	30.9 Gr.	Percent Wt. Retained	56.18%	
Velocity	2815												
Penetration	11.25"												
Expansion	.41"												
Retained Wt.	30.9 Gr.												
Percent Wt. Retained	56.18%												
LE223T1 Tactical® Bonded 223-55 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2705</td></tr> <tr><td>Penetration</td><td>15"</td></tr> <tr><td>Expansion</td><td>.4585"</td></tr> <tr><td>Retained Wt.</td><td>55 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>100%</td></tr> </table>	Velocity	2705	Penetration	15"	Expansion	.4585"	Retained Wt.	55 Gr.	Percent Wt. Retained	100%	
Velocity	2705												
Penetration	15"												
Expansion	.4585"												
Retained Wt.	55 Gr.												
Percent Wt. Retained	100%												
LE223T3 Tactical® Bonded 223-62 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2716</td></tr> <tr><td>Penetration</td><td>17.5"</td></tr> <tr><td>Expansion</td><td>.4295"</td></tr> <tr><td>Retained Wt.</td><td>60.6 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>97.74%</td></tr> </table>	Velocity	2716	Penetration	17.5"	Expansion	.4295"	Retained Wt.	60.6 Gr.	Percent Wt. Retained	97.74%	
Velocity	2716												
Penetration	17.5"												
Expansion	.4295"												
Retained Wt.	60.6 Gr.												
Percent Wt. Retained	97.74%												
24446 Gold Dot® 223-55 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>3013</td></tr> <tr><td>Penetration</td><td>12.5"</td></tr> <tr><td>Expansion</td><td>.527"</td></tr> <tr><td>Retained Wt.</td><td>41.8 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>76.00%</td></tr> </table>	Velocity	3013	Penetration	12.5"	Expansion	.527"	Retained Wt.	41.8 Gr.	Percent Wt. Retained	76.00%	
Velocity	3013												
Penetration	12.5"												
Expansion	.527"												
Retained Wt.	41.8 Gr.												
Percent Wt. Retained	76.00%												
24475 Gold Dot® 223-75 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2502</td></tr> <tr><td>Penetration</td><td>16.5"</td></tr> <tr><td>Expansion</td><td>.46</td></tr> <tr><td>Retained Wt.</td><td>65.6 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>87.47%</td></tr> </table>	Velocity	2502	Penetration	16.5"	Expansion	.46	Retained Wt.	65.6 Gr.	Percent Wt. Retained	87.47%	
Velocity	2502												
Penetration	16.5"												
Expansion	.46												
Retained Wt.	65.6 Gr.												
Percent Wt. Retained	87.47%												
24445SP Gold Dot® 223-62 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2692</td></tr> <tr><td>Penetration</td><td>14.5"</td></tr> <tr><td>Expansion</td><td>.481"</td></tr> <tr><td>Retained Wt.</td><td>39.9 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>62.34%</td></tr> </table>	Velocity	2692	Penetration	14.5"	Expansion	.481"	Retained Wt.	39.9 Gr.	Percent Wt. Retained	62.34%	
Velocity	2692												
Penetration	14.5"												
Expansion	.481"												
Retained Wt.	39.9 Gr.												
Percent Wt. Retained	62.34%												

Caliber	Wound Characteristics	Stats	Recovered Bullet										
T223E Tactical® Tru® 223-55 Gr. Sierra® BTHP		<table border="1"> <tr><td>Velocity</td><td>2815</td></tr> <tr><td>Penetration</td><td>6.25"</td></tr> <tr><td>Expansion</td><td>.4"</td></tr> <tr><td>Retained Wt.</td><td>19.2 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>34.91%</td></tr> </table>	Velocity	2815	Penetration	6.25"	Expansion	.4"	Retained Wt.	19.2 Gr.	Percent Wt. Retained	34.91%	
Velocity	2815												
Penetration	6.25"												
Expansion	.4"												
Retained Wt.	19.2 Gr.												
Percent Wt. Retained	34.91%												
LE223T1 Tactical® Bonded 223-55 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2705</td></tr> <tr><td>Penetration</td><td>11.5"</td></tr> <tr><td>Expansion</td><td>.3555"</td></tr> <tr><td>Retained Wt.</td><td>27.6 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>50.18%</td></tr> </table>	Velocity	2705	Penetration	11.5"	Expansion	.3555"	Retained Wt.	27.6 Gr.	Percent Wt. Retained	50.18%	
Velocity	2705												
Penetration	11.5"												
Expansion	.3555"												
Retained Wt.	27.6 Gr.												
Percent Wt. Retained	50.18%												
LE223T3 Tactical® Bonded 223-62 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2716</td></tr> <tr><td>Penetration</td><td>13.5"</td></tr> <tr><td>Expansion</td><td>.354"</td></tr> <tr><td>Retained Wt.</td><td>33.7 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>54.35%</td></tr> </table>	Velocity	2716	Penetration	13.5"	Expansion	.354"	Retained Wt.	33.7 Gr.	Percent Wt. Retained	54.35%	
Velocity	2716												
Penetration	13.5"												
Expansion	.354"												
Retained Wt.	33.7 Gr.												
Percent Wt. Retained	54.35%												
24446 Gold Dot® 223-55 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>3013</td></tr> <tr><td>Penetration</td><td>7.5"</td></tr> <tr><td>Expansion</td><td>.344"</td></tr> <tr><td>Retained Wt.</td><td>15.2 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>27.64%</td></tr> </table>	Velocity	3013	Penetration	7.5"	Expansion	.344"	Retained Wt.	15.2 Gr.	Percent Wt. Retained	27.64%	
Velocity	3013												
Penetration	7.5"												
Expansion	.344"												
Retained Wt.	15.2 Gr.												
Percent Wt. Retained	27.64%												
24475 Gold Dot® 223-75 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2502</td></tr> <tr><td>Penetration</td><td>12.75"</td></tr> <tr><td>Expansion</td><td>.502"</td></tr> <tr><td>Retained Wt.</td><td>35.6 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>47.47%</td></tr> </table>	Velocity	2502	Penetration	12.75"	Expansion	.502"	Retained Wt.	35.6 Gr.	Percent Wt. Retained	47.47%	
Velocity	2502												
Penetration	12.75"												
Expansion	.502"												
Retained Wt.	35.6 Gr.												
Percent Wt. Retained	47.47%												
24445SP Gold Dot® 223-62 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2692</td></tr> <tr><td>Penetration</td><td>14"</td></tr> <tr><td>Expansion</td><td>Fragment</td></tr> <tr><td>Retained Wt.</td><td>8.7 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>13.59%</td></tr> </table>	Velocity	2692	Penetration	14"	Expansion	Fragment	Retained Wt.	8.7 Gr.	Percent Wt. Retained	13.59%	
Velocity	2692												
Penetration	14"												
Expansion	Fragment												
Retained Wt.	8.7 Gr.												
Percent Wt. Retained	13.59%												

Firearm: AR-15
Barrel: 16 inches
Twist Rate: 1:7 inches
Range: 10 yards

Expansion, retained weight and percentage retained weight are based on the largest available bullet fragment.
 Velocity are based on 5 round averages from the test rifle.



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308 Win.

BARE GELATIN

HEAVY CLOTHING

Caliber	Wound Characteristics	Stats	Recovered Bullet
GM308M Gold Medal® 308-168 Gr. Sierra® MatchKing® BTHP		Velocity 2459 Penetration 20" Expansion .617" Retained Wt. 84.4 Gr. Percent Wt. Retained 50.24%	
GM308M2 Gold Medal® 308-175 Gr. Sierra® MatchKing® BTHP		Velocity 2493 Penetration 23.5" Expansion .620" Retained Wt. 86.4 Gr. Percent Wt. Retained 49.37%	
LE308TT2 Tactical® Bonded Tip® 308-168 Gr. Tactical Bonded Tip		Velocity 2700 Penetration 21.25" Expansion .725" Retained Wt. 165 Gr. Percent Wt. Retained 98.21%	
T308T Tactical® TRU® 308-168 Gr. Sierra® BTHP		Velocity 2650 Penetration 14" Expansion .564" Retained Wt. 76.1 Gr. Percent Wt. Retained 45.30%	
24457 Gold Dot® 308-150 Gr. Bonded Soft Point		Velocity 2678 Penetration 17.75" Expansion .85" Retained Wt. 155 Gr. Percent Wt. Retained 100%	
24458 Gold Dot® 308-168 Gr. Bonded Soft Point		Velocity 2542 Penetration 19.62" Expansion .762" Retained Wt. 156.4 Gr. Percent Wt. Retained 93.10%	

Caliber	Wound Characteristics	Stats	Recovered Bullet
GM308M Gold Medal® 308-168 Gr. Sierra® MatchKing® BTHP		Velocity 2459 Penetration 20.5" Expansion .670" Retained Wt. 109.4 Gr. Percent Wt. Retained 65.12%	
GM308M2 Gold Medal® 308-175 Gr. Sierra® MatchKing® BTHP		Velocity 2493 Penetration 14.75" Expansion Fragment Retained Wt. 127 Gr. Percent Wt. Retained 72.57%	
LE308TT2 Tactical® Bonded Tip® 308-168 Gr. Tactical Bonded Tip		Velocity 2700 Penetration 22.5" Expansion .653" Retained Wt. 165.6 Gr. Percent Wt. Retained 98.57%	
T308T Tactical® TRU® 308-168 Gr. Sierra® BTHP		Velocity 2650 Penetration 14" Expansion .649" Retained Wt. 73.5 Gr. Percent Wt. Retained 43.75%	
24457 Gold Dot® 308-150 Gr. Bonded Soft Point		Velocity 2678 Penetration 18" Expansion .7565" Retained Wt. 150 Gr. Percent Wt. Retained 100%	
24458 Gold Dot® 308-168 Gr. Bonded Soft Point		Velocity 2542 Penetration 22.5" Expansion .497" Retained Wt. 150.3 Gr. Percent Wt. Retained 89.46%	

Firearm: .308 Bolt Action Precision Rifle
Barrel: 24 inches
Twist Rate: 1:10 inches
Range: 50 yards

Expansion, retained weight and percentage retained weight are based on the largest available bullet fragment.
 Velocity are based on 5 round averages from the test rifle.



Firearm shown is stock image of .308 Bolt Action Rifle

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308 Win.

STEEL

WALL BOARD

Caliber	Wound Characteristics	Stats	Recovered Bullet										
GM308M Gold Medal® 308-168 Gr. Sierra® MatchKing® BTHP		<table border="1"> <tr><td>Velocity</td><td>2459</td></tr> <tr><td>Penetration</td><td>17"</td></tr> <tr><td>Expansion</td><td>.504"</td></tr> <tr><td>Retained Wt.</td><td>168.5 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>100%</td></tr> </table>	Velocity	2459	Penetration	17"	Expansion	.504"	Retained Wt.	168.5 Gr.	Percent Wt. Retained	100%	
Velocity	2459												
Penetration	17"												
Expansion	.504"												
Retained Wt.	168.5 Gr.												
Percent Wt. Retained	100%												
GM308M2 Gold Medal® 308-175 Gr. Sierra® MatchKing® BTHP		<table border="1"> <tr><td>Velocity</td><td>2493</td></tr> <tr><td>Penetration</td><td>16.25"</td></tr> <tr><td>Expansion</td><td>.418"</td></tr> <tr><td>Retained Wt.</td><td>31.1 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>17.77%</td></tr> </table>	Velocity	2493	Penetration	16.25"	Expansion	.418"	Retained Wt.	31.1 Gr.	Percent Wt. Retained	17.77%	
Velocity	2493												
Penetration	16.25"												
Expansion	.418"												
Retained Wt.	31.1 Gr.												
Percent Wt. Retained	17.77%												
LE308TT2 Tactical® Bonded Tip® 308-168 Gr. Tactical Bonded Tip		<table border="1"> <tr><td>Velocity</td><td>2700</td></tr> <tr><td>Penetration</td><td>24"</td></tr> <tr><td>Expansion</td><td>.734"</td></tr> <tr><td>Retained Wt.</td><td>165.4 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>98.45%</td></tr> </table>	Velocity	2700	Penetration	24"	Expansion	.734"	Retained Wt.	165.4 Gr.	Percent Wt. Retained	98.45%	
Velocity	2700												
Penetration	24"												
Expansion	.734"												
Retained Wt.	165.4 Gr.												
Percent Wt. Retained	98.45%												
T308T Tactical® TRU® 308-168 Gr. Sierra® BTHP		<table border="1"> <tr><td>Velocity</td><td>2650</td></tr> <tr><td>Penetration</td><td>13.25"</td></tr> <tr><td>Expansion</td><td>.629"</td></tr> <tr><td>Retained Wt.</td><td>70.8 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>42.14%</td></tr> </table>	Velocity	2650	Penetration	13.25"	Expansion	.629"	Retained Wt.	70.8 Gr.	Percent Wt. Retained	42.14%	
Velocity	2650												
Penetration	13.25"												
Expansion	.629"												
Retained Wt.	70.8 Gr.												
Percent Wt. Retained	42.14%												
24457 Gold Dot® 308-150 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2678</td></tr> <tr><td>Penetration</td><td>19.25"</td></tr> <tr><td>Expansion</td><td>.922"</td></tr> <tr><td>Retained Wt.</td><td>141.3 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>94.20%</td></tr> </table>	Velocity	2678	Penetration	19.25"	Expansion	.922"	Retained Wt.	141.3 Gr.	Percent Wt. Retained	94.20%	
Velocity	2678												
Penetration	19.25"												
Expansion	.922"												
Retained Wt.	141.3 Gr.												
Percent Wt. Retained	94.20%												
24458 Gold Dot® 308-168 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2542</td></tr> <tr><td>Penetration</td><td>21.25"</td></tr> <tr><td>Expansion</td><td>.478"</td></tr> <tr><td>Retained Wt.</td><td>130.8 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>77.86%</td></tr> </table>	Velocity	2542	Penetration	21.25"	Expansion	.478"	Retained Wt.	130.8 Gr.	Percent Wt. Retained	77.86%	
Velocity	2542												
Penetration	21.25"												
Expansion	.478"												
Retained Wt.	130.8 Gr.												
Percent Wt. Retained	77.86%												

Caliber	Wound Characteristics	Stats	Recovered Bullet										
GM308M Gold Medal® 308-168 Gr. Sierra® MatchKing® BTHP		<table border="1"> <tr><td>Velocity</td><td>2459</td></tr> <tr><td>Penetration</td><td>20.5"</td></tr> <tr><td>Expansion</td><td>Fragment</td></tr> <tr><td>Retained Wt.</td><td>2.5 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>1.49%</td></tr> </table>	Velocity	2459	Penetration	20.5"	Expansion	Fragment	Retained Wt.	2.5 Gr.	Percent Wt. Retained	1.49%	
Velocity	2459												
Penetration	20.5"												
Expansion	Fragment												
Retained Wt.	2.5 Gr.												
Percent Wt. Retained	1.49%												
GM308M2 Gold Medal® 308-175 Gr. Sierra® MatchKing® BTHP		<table border="1"> <tr><td>Velocity</td><td>2493</td></tr> <tr><td>Penetration</td><td>18.5"</td></tr> <tr><td>Expansion</td><td>Fragment</td></tr> <tr><td>Retained Wt.</td><td>98.1 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>56.06%</td></tr> </table>	Velocity	2493	Penetration	18.5"	Expansion	Fragment	Retained Wt.	98.1 Gr.	Percent Wt. Retained	56.06%	
Velocity	2493												
Penetration	18.5"												
Expansion	Fragment												
Retained Wt.	98.1 Gr.												
Percent Wt. Retained	56.06%												
LE308TT2 Tactical® Bonded Tip® 308-168 Gr. Tactical Bonded Tip		<table border="1"> <tr><td>Velocity</td><td>2700</td></tr> <tr><td>Penetration</td><td>23"</td></tr> <tr><td>Expansion</td><td>.753"</td></tr> <tr><td>Retained Wt.</td><td>166.4 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>99.05%</td></tr> </table>	Velocity	2700	Penetration	23"	Expansion	.753"	Retained Wt.	166.4 Gr.	Percent Wt. Retained	99.05%	
Velocity	2700												
Penetration	23"												
Expansion	.753"												
Retained Wt.	166.4 Gr.												
Percent Wt. Retained	99.05%												
T308T Tactical® TRU® 308-168 Gr. Sierra® BTHP		<table border="1"> <tr><td>Velocity</td><td>2650</td></tr> <tr><td>Penetration</td><td>12"</td></tr> <tr><td>Expansion</td><td>.666"</td></tr> <tr><td>Retained Wt.</td><td>74.8 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>45%</td></tr> </table>	Velocity	2650	Penetration	12"	Expansion	.666"	Retained Wt.	74.8 Gr.	Percent Wt. Retained	45%	
Velocity	2650												
Penetration	12"												
Expansion	.666"												
Retained Wt.	74.8 Gr.												
Percent Wt. Retained	45%												
24457 Gold Dot® 308-150 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2678</td></tr> <tr><td>Penetration</td><td>19"</td></tr> <tr><td>Expansion</td><td>.7945"</td></tr> <tr><td>Retained Wt.</td><td>150 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>100%</td></tr> </table>	Velocity	2678	Penetration	19"	Expansion	.7945"	Retained Wt.	150 Gr.	Percent Wt. Retained	100%	
Velocity	2678												
Penetration	19"												
Expansion	.7945"												
Retained Wt.	150 Gr.												
Percent Wt. Retained	100%												
24458 Gold Dot® 308-168 Gr. Bonded Soft Point		<table border="1"> <tr><td>Velocity</td><td>2452</td></tr> <tr><td>Penetration</td><td>24"</td></tr> <tr><td>Expansion</td><td>.370"</td></tr> <tr><td>Retained Wt.</td><td>112.2 Gr.</td></tr> <tr><td>Percent Wt. Retained</td><td>66.79%</td></tr> </table>	Velocity	2452	Penetration	24"	Expansion	.370"	Retained Wt.	112.2 Gr.	Percent Wt. Retained	66.79%	
Velocity	2452												
Penetration	24"												
Expansion	.370"												
Retained Wt.	112.2 Gr.												
Percent Wt. Retained	66.79%												

Firearm: .308 Bolt Action Precision Rifle
Barrel: 24 inches
Twist Rate: 1:10 inches
Range: 50 yards

Expansion, retained weight and percentage retained weight are based on the largest available bullet fragment.
 Velocity are based on 5 round averages from the test rifle.



Firearm shown is stock image of .308 Bolt Action Rifle

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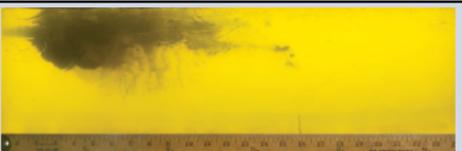
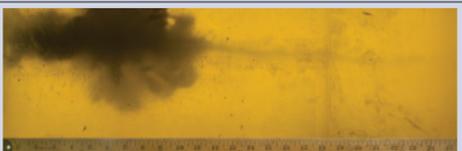
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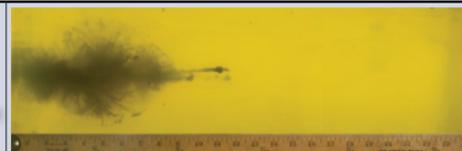
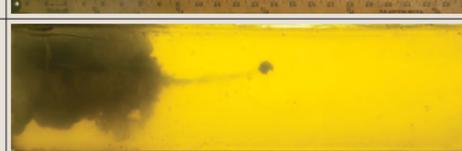
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308 Win.

PLYWOOD

AUTO GLASS

Caliber	Wound Characteristics	Stats	Recovered Bullet
GM308M Gold Medal® 308-168 Gr. Sierra® MatchKing® BTHP 		Velocity 2459 Penetration 15.75" Expansion .965" Retained Wt. 96.8 Gr. Percent Wt. Retained 57.62%	
GM308M2 Gold Medal® 308-175 Gr. Sierra® MatchKing® BTHP 		Velocity 2493 Penetration 15.25" Expansion .629" Retained Wt. 143.6 Gr. Percent Wt. Retained 82.06%	
LE308TT2 Tactical® Bonded Tip® 308-168 Gr. Tactical Bonded Tip 		Velocity 2700 Penetration 24" Expansion .594" Retained Wt. 157.9 Gr. Percent Wt. Retained 93.99%	
T308T Tactical® TRU® 308-168 Gr. Sierra® BTHP 		Velocity 2650 Penetration 14" Expansion .587" Retained Wt. 65.7 Gr. Percent Wt. Retained 39.11%	
24457 Gold Dot® 308-150 Gr. Bonded Soft Point 		Velocity 2678 Penetration 18.5" Expansion .824" Retained Wt. 139.1 Gr. Percent Wt. Retained 92.73%	
24458 Gold Dot® 308-168 Gr. Bonded Soft Point 		Velocity 2542 Penetration 21.125" Expansion .916" Retained Wt. 153.4 Gr. Percent Wt. Retained 91.31%	

Caliber	Wound Characteristics	Stats	Recovered Bullet
GM308M Gold Medal® 308-168 Gr. Sierra® MatchKing® BTHP 		Velocity 2459 Penetration 11.875" Expansion .599" Retained Wt. 83.9 Gr. Percent Wt. Retained 49.94%	
GM308M2 Gold Medal® 308-175 Gr. Sierra® MatchKing® BTHP 		Velocity 2493 Penetration 12.625" Expansion .391" Retained Wt. 22.3 Gr. Percent Wt. Retained 12.74%	
LE308TT2 Tactical® Bonded Tip® 308-168 Gr. Tactical Bonded Tip 		Velocity 2700 Penetration 19" Expansion .579" Retained Wt. 112 Gr. Percent Wt. Retained 66.67%	
T308T Tactical® TRU® 308-168 Gr. Sierra® BTHP 		Velocity 2650 Penetration 9.25" Expansion .71" Retained Wt. 32.6 Gr. Percent Wt. Retained 19.40%	
24457 Gold Dot® 308-150 Gr. Bonded Soft Point 		Velocity 2678 Penetration 12.25" Expansion .562" Retained Wt. 44.6 Gr. Percent Wt. Retained 29.73%	
24458 Gold Dot® 308-168 Gr. Bonded Soft Point 		Velocity 2542 Penetration 13.875" Expansion .887" Retained Wt. 116.9 Gr. Percent Wt. Retained 69.58%	

Firearm: .308 Bolt Action Precision Rifle
Barrel: 24 inches
Twist Rate: 1:10 inches
Range: 50 yards

Expansion, retained weight and percentage retained weight are based on the largest available bullet fragment.
 Velocity are based on 5 round averages from the test rifle.



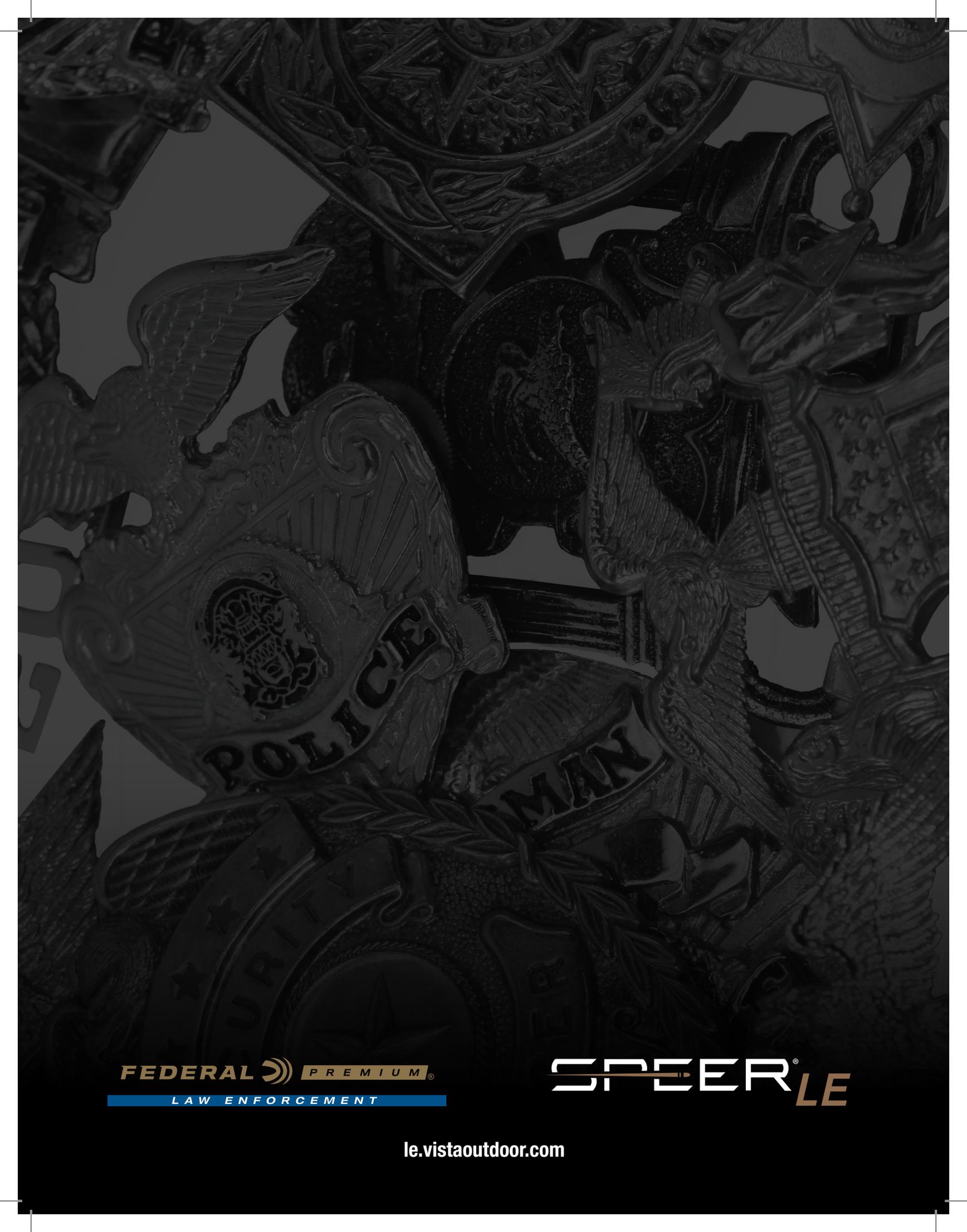
Firearm shown is stock image of .308 Bolt Action Rifle

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