

# LAW ENFORCEMENT

## *RIFLE DATA BOOK*



FEDERAL  PREMIUM®  
LAW ENFORCEMENT

SPEER®  
LE

# 223 Rem./5.56x45mm

Caliber

Wound Characteristics

Stats

Recovered Bullet

**FEDERAL PREMIUM® LAW ENFORCEMENT**

**T223E**

Tactical® TRU® 223 Rem. 55 Gr. Sierra® BTHP



Velocity	2815
Penetration	11.25"
Expansion	.396"
Retained Wt.	16.8 Gr.
Percent Wt. Retained	30.55%



Firearm used on the above loads: AR-15 | Barrel: 16 inches | Twist Rate: 1:7 inches | Range: 10 yards

**T223A**

Tactical® TRU® 223 Rem. 55 Gr. Hi-Shok SP



Velocity	2691
Penetration	11.65"
Expansion	.551"
Retained Wt.	48.8 Gr.
Percent Wt. Retained	88.73%



**T223T**

Tactical® TRU® 223 Rem. 55 Gr. Nosler® Ballistic Tip®



Velocity	2637
Penetration	10.25"
Expansion	Fragment
Retained Wt.	20.6 Gr.
Percent Wt. Retained	37.45%



**T223L**

Tactical® TRU® 223 Rem. 64 Gr. Hi-Shok SP

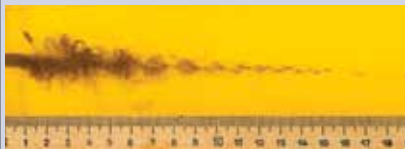
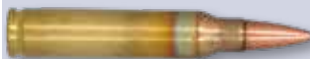


Velocity	2417
Penetration	12.6"
Expansion	.571"
Retained Wt.	63 Gr.
Percent Wt. Retained	98.44%



**LE556TSX**

Tactical® TRU® 5.56x45mm 70 Gr. Barnes® TSX



Velocity	2620
Penetration	19.5"
Expansion	.491"
Retained Wt.	70 Gr.
Percent Wt. Retained	100%



Firearm used on the above loads: AR-15 | Barrel: 11.5 inches | Twist Rate: 1:7 inches | Range: 10 yards | Suppressor

**LE223T1**

Tactical® Bonded 223 Rem. 55 Gr. Bonded Soft Point



Velocity	2705
Penetration	14.75"
Expansion	.469"
Retained Wt.	55 Gr.
Percent Wt. Retained	100%



**LE223T3**

Tactical® Bonded 223 Rem. 62 Gr. Bonded Soft Point



Velocity	2716
Penetration	16"
Expansion	.496"
Retained Wt.	60.9 Gr.
Percent Wt. Retained	98.23%



Firearm used on the above loads: AR-15 | Barrel: 16 inches | Twist Rate: 1:7 inches | Range: 10 yards

**LE556T4**













Tactical® Bonded 5.56x45mm-64 Gr. Bonded SP



Velocity	2669
Penetration	17.8"
Expansion	.442"
Retained Wt.	63.3 Gr.
Percent Wt. Retained	98.91%




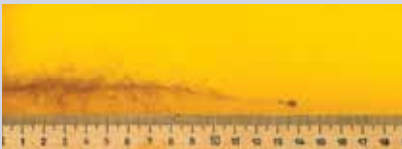










Firearm used on the above loads: AR-15 | Barrel: 11.5 inches | Twist Rate: 1:7 inches | Range: 10 yards | Suppressor

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>T223E</b> Tactical® TRU® 223 Rem. 55 Gr. Sierra® BTHP 		Velocity	2815	
		Penetration	11"	
		Expansion	.387"	
		Retained Wt.	23.6 Gr.	
		Percent Wt. Retained	42.91%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				
<b>T223A</b> Tactical® TRU® 223 Rem. 55 Gr. Hi-Shok SP 		Velocity	2691	
		Penetration	13.75"	
		Expansion	.513"	
		Retained Wt.	51.2 Gr.	
		Percent Wt. Retained	93.09%	
<b>T223T</b> Tactical® TRU® 223 Rem. 55 Gr. Nosler® Ballistic Tip® 		Velocity	2637	
		Penetration	13.15"	
		Expansion	Fragment	
		Retained Wt.	14.14 Gr.	
		Percent Wt. Retained	25.71%	
<b>T223L</b> Tactical® TRU® 223 Rem. 64 Gr. Hi-Shok SP 		Velocity	2417	
		Penetration	12.1"	
		Expansion	.592"	
		Retained Wt.	64 Gr.	
		Percent Wt. Retained	100%	
<b>LE556TSX</b> Tactical® TRU® 5.56x45mm 70 Gr. Barnes® TSX 		Velocity	2620	
		Penetration	19.25"	
		Expansion	.494"	
		Retained Wt.	70 Gr.	
		Percent Wt. Retained	100%	
Firearm used on the above loads: AR-15   Barrel: 11.5 inches   Twist Rate: 1:7 inches   Range: 10 yards   Suppressor				
<b>LE223T1</b> Tactical® Bonded 223 Rem. 55 Gr. Bonded Soft Point 		Velocity	2705	
		Penetration	15.5"	
		Expansion	.461"	
		Retained Wt.	55 Gr.	
		Percent Wt. Retained	100%	
<b>LE223T3</b> Tactical® Bonded 223 Rem. 62 Gr. Bonded Soft Point 		Velocity	2716	
		Penetration	17"	
		Expansion	.448"	
		Retained Wt.	62 Gr.	
		Percent Wt. Retained	100%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				
<b>LE556T4</b> Tactical® Bonded 5.56x45mm 64 Gr. Bonded SP 		Velocity	2669	
		Penetration	17.35"	
		Expansion	.462"	
		Retained Wt.	63.5 Gr.	
		Percent Wt. Retained	99.22%	
Firearm used on the above loads: AR-15   Barrel: 11.5 inches   Twist Rate: 1:7 inches   Range: 10 yards   Suppressor				

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

# 223 Rem./5.56x45mm

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>T223E</b> Tactical® TRU® 223 Rem. 55 Gr. Sierra® BTHP 		Velocity	2815	
		Penetration	9"	
		Expansion	.259"	
		Retained Wt.	5.2 Gr.	
		Percent Wt. Retained	9.45%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				
<b>T223A</b> Tactical® TRU® 223 Rem. 55 Gr. Hi-Shok SP 		Velocity	2691	
		Penetration	10.2"	
		Expansion	.514"	
		Retained Wt.	37.3 Gr.	
		Percent Wt. Retained	67.82%	
<b>T223T</b> Tactical® TRU® 223 Rem. 55 Gr. Nosler® Ballistic Tip® 		Velocity	2637	
		Penetration	13"	
		Expansion	Fragment	
		Retained Wt.	23.9 Gr.	
		Percent Wt. Retained	43.45%	
<b>T223L</b> Tactical® TRU® 223 Rem. 64 Gr. Hi-Shok SP 		Velocity	2417	
		Penetration	11.1"	
		Expansion	.497"	
		Retained Wt.	49.8 Gr.	
		Percent Wt. Retained	77.81%	
<b>LE556TSX</b> Tactical® TRU® 5.56x45mm 70 Gr. Barnes® TSX 		Velocity	2620	
		Penetration	16"	
		Expansion	.189"	
		Retained Wt.	70 Gr.	
		Percent Wt. Retained	100%	
Firearm used on the above loads: AR-15   Barrel: 11.5 inches   Twist Rate: 1:7 inches   Range: 10 yards   Suppressor				
<b>LE223T1</b> Tactical® Bonded 223 Rem. 55 Gr. Bonded Soft Point 		Velocity	2705	
		Penetration	10.75"	
		Expansion	.472"	
		Retained Wt.	44.1 Gr.	
		Percent Wt. Retained	80.18%	
<b>LE223T3</b> Tactical® Bonded 223 Rem. 62 Gr. Bonded Soft Point 		Velocity	2716	
		Penetration	14.25"	
		Expansion	.437"	
		Retained Wt.	54.4 Gr.	
		Percent Wt. Retained	87.74%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				
<b>LE556T4</b> Tactical® Bonded 5.56x45mm 64 Gr. Bonded SP 		Velocity	2669	
		Penetration	15.35"	
		Expansion	.487"	
		Retained Wt.	55.6 Gr.	
		Percent Wt. Retained	86.88%	
Firearm used on the above loads: AR-15   Barrel: 11.5 inches   Twist Rate: 1:7 inches   Range: 10 yards   Suppressor				

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>T223E</b> Tactical® TRU® 223 Rem. 55 Gr. Sierra® BTHP 		Velocity	2815	
		Penetration	12.5"	
		Expansion	.422"	
		Retained Wt.	21 Gr.	
		Percent Wt. Retained	38.18%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				
<b>T223A</b> Tactical® TRU® 223 Rem. 55 Gr. Hi-Shok SP 		Velocity	2691	
		Penetration	13.8"	
		Expansion	.509"	
		Retained Wt.	45.8 Gr.	
		Percent Wt. Retained	83.27%	
<b>T223T</b> Tactical® TRU® 223 Rem. 55 Gr. Nosler® Ballistic Tip® 		Velocity	2637	
		Penetration	13.15"	
		Expansion	Fragment	
		Retained Wt.	21.6 Gr.	
		Percent Wt. Retained	39.27%	
<b>T223L</b> Tactical® TRU® 223 Rem. 64 Gr. Hi-Shok SP 		Velocity	2417	
		Penetration	12.75"	
		Expansion	.550"	
		Retained Wt.	59.1 Gr.	
		Percent Wt. Retained	92.34%	
<b>LE556TSX</b> Tactical® TRU® 5.56x45mm 70 Gr. Barnes® TSX 		Velocity	2620	
		Penetration	16.3"	
		Expansion	.476"	
		Retained Wt.	67.2 Gr.	
		Percent Wt. Retained	96%	
Firearm used on the above loads: AR-15   Barrel: 11.5 inches   Twist Rate: 1:7 inches   Range: 10 yards   Suppressor				
<b>LE223T1</b> Tactical® Bonded 223 Rem. 55 Gr. Bonded Soft Point 		Velocity	2705	
		Penetration	14"	
		Expansion	.465"	
		Retained Wt.	53.7 Gr.	
		Percent Wt. Retained	97.64%	
<b>LE223T3</b> Tactical® Bonded 223 Rem. 62 Gr. Bonded Soft Point 		Velocity	2716	
		Penetration	17.75"	
		Expansion	.421"	
		Retained Wt.	62 Gr.	
		Percent Wt. Retained	100%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				
<b>LE556T4</b> Tactical® Bonded 5.56x45mm 64 Gr. Bonded SP 		Velocity	2669	
		Penetration	17.25"	
		Expansion	.428"	
		Retained Wt.	62.3 Gr.	
		Percent Wt. Retained	97.34%	
Firearm used on the above loads: AR-15   Barrel: 11.5 inches   Twist Rate: 1:7 inches   Range: 10 yards   Suppressor				

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

# 223 Rem./5.56x45mm

Caliber

Wound Characteristics

Stats

Recovered Bullet

## FEDERAL PREMIUM® LAW ENFORCEMENT

### T223E

Tactical® TRU® 223 Rem. 55 Gr.  
Sierra® BTHP



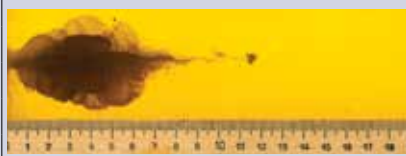
Velocity	2815
Penetration	11.25"
Expansion	.410"
Retained Wt.	30.9 Gr.
Percent Wt. Retained	56.18%



Firearm used on the above loads: AR-15 | Barrel: 16 inches | Twist Rate: 1:7 inches | Range: 10 yards

### T223A

Tactical® TRU® 223 Rem. 55 Gr.  
Hi-Shok SP



Velocity	2691
Penetration	11.75"
Expansion	.590"
Retained Wt.	51.6 Gr.
Percent Wt. Retained	93.82%



### T223T

Tactical® TRU® 223 Rem. 55 Gr.  
Nosler® Ballistic Tip®

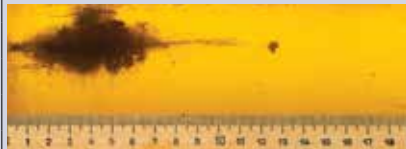


Velocity	2637
Penetration	11.55"
Expansion	Fragment
Retained Wt.	12.3 Gr.
Percent Wt. Retained	22.36%



### T223L

Tactical® TRU® 223 Rem. 64 Gr.  
Hi-Shok SP

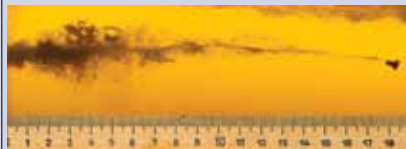


Velocity	2417
Penetration	12"
Expansion	.629"
Retained Wt.	61.3 Gr.
Percent Wt. Retained	95.78%



### LE556TSX

Tactical® TRU® 5.56x45mm  
70 Gr. Barnes® TSX



Velocity	2620
Penetration	18.5"
Expansion	.482"
Retained Wt.	70 Gr.
Percent Wt. Retained	100%



Firearm used on the above loads: AR-15 | Barrel: 11.5 inches | Twist Rate: 1:7 inches | Range: 10 yards | Suppressor

### LE223T1

Tactical® Bonded 223 Rem. 55 Gr.  
Bonded Soft Point



Velocity	2705
Penetration	15"
Expansion	.459"
Retained Wt.	55 Gr.
Percent Wt. Retained	100%



### LE223T3

Tactical® Bonded 223 Rem. 62 Gr.  
Bonded Soft Point



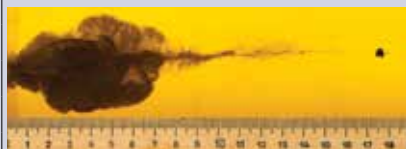
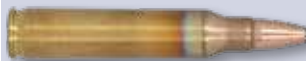
Velocity	2716
Penetration	17.5"
Expansion	.430"
Retained Wt.	60.6 Gr.
Percent Wt. Retained	97.74%



Firearm used on the above loads: AR-15 | Barrel: 16 inches | Twist Rate: 1:7 inches | Range: 10 yards

### LE556T4

Tactical® Bonded 5.56x45mm  
64 Gr. Bonded SP



Velocity	2669
Penetration	17.75"
Expansion	.442"
Retained Wt.	63.1 Gr.
Percent Wt. Retained	98.59%












Firearm used on the above loads: AR-15 | Barrel: 11.5 inches | Twist Rate: 1:7 inches | Range: 10 yards | Suppressor










Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>T223E</b> Tactical® TRU® 223 Rem. 55 Gr. Sierra® BTHP 		Velocity	2815	
		Penetration	6.25"	
		Expansion	.400"	
		Retained Wt.	19.2 Gr.	
		Percent Wt. Retained	34.91%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				
<b>T223A</b> Tactical® TRU® 223 Rem. 55 Gr. Hi-Shok SP 		Velocity	2691	
		Penetration	7.75"	
		Expansion	Fragment	
		Retained Wt.	20.1 Gr.	
		Percent Wt. Retained	36.55%	
<b>T223T</b> Tactical® TRU® 223 Rem. 55 Gr. Nosler® Ballistic Tip® 		Velocity	2637	
		Penetration	8"	
		Expansion	Fragment	
		Retained Wt.	10.8 Gr.	
		Percent Wt. Retained	19.64%	
<b>T223L</b> Tactical® TRU® 223 Rem. 64 Gr. Hi-Shok SP 		Velocity	2417	
		Penetration	8.4"	
		Expansion	.573"	
		Retained Wt.	25.4 Gr.	
		Percent Wt. Retained	39.69%	
<b>LE556TSX</b> Tactical® TRU® 5.56x45mm 70 Gr. Barnes® TSX 		Velocity	2620	
		Penetration	17.05"	
		Expansion	.377"	
		Retained Wt.	61.9 Gr.	
		Percent Wt. Retained	88.43%	
Firearm used on the above loads: AR-15   Barrel: 11.5 inches   Twist Rate: 1:7 inches   Range: 10 yards   Suppressor				
<b>LE223T1</b> Tactical® Bonded 223 Rem. 55 Gr. Bonded Soft Point 		Velocity	2705	
		Penetration	11.5"	
		Expansion	.3555"	
		Retained Wt.	27.6 Gr.	
		Percent Wt. Retained	50.18%	
<b>LE223T3</b> Tactical® Bonded 223 Rem. 62 Gr. Bonded Soft Point 		Velocity	2716	
		Penetration	13.5"	
		Expansion	.354"	
		Retained Wt.	33.7 Gr.	
		Percent Wt. Retained	54.35%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				
<b>LE556T4</b> Tactical® Bonded 5.56x45mm 64 Gr. Bonded SP 		Velocity	2669	
		Penetration	15"	
		Expansion	.361"	
		Retained Wt.	37.5 Gr.	
		Percent Wt. Retained	58.59%	
Firearm used on the above loads: AR-15   Barrel: 11.5 inches   Twist Rate: 1:7 inches   Range: 10 yards   Suppressor				










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










# 223 Rem./5.56x45mm

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24446</b> Gold Dot® 223 Rem. 55 Gr. Bonded Soft Point 		Velocity	3013	
		Penetration	14"	
		Expansion	.488"	
		Retained Wt.	43.6 Gr.	
		Percent Wt. Retained	79.27%	
<b>24445SP</b> Gold Dot® 223 Rem. 62 Gr. Bonded Soft Point 		Velocity	2692	
		Penetration	19"	
		Expansion	.347	
		Retained Wt.	36 Gr.	
		Percent Wt. Retained	56.25%	
<b>24475</b> Gold Dot® 223 Rem. 75 Gr. Bonded Soft Point 		Velocity	2502	
		Penetration	17.5"	
		Expansion	.544"	
		Retained Wt.	74.8 Gr.	
		Percent Wt. Retained	99.73%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				

# 300 Blackout










Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>LE300BLKTT1</b> Tactical Bonded Tip 300 BLK 110 Gr. Tactical Bonded Tip 		Velocity	2141	
		Penetration	19.5"	
		Expansion	.550"	
		Retained Wt.	108.5 Gr.	
		Percent Wt. Retained	98.64%	
<b>T300BLKB</b> Tactical® TRU® 300 BLK 110 Gr. Barnes® TSX 		Velocity	2178	
		Penetration	20"	
		Expansion	.687"	
		Retained Wt.	110 Gr.	
		Percent Wt. Retained	100%	
Firearm used on the above loads: AR-15   Barrel: 10.5 inches   Twist Rate: 1:7 inches   Range: 10 yards				
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24484</b> Gold Dot 300 BLK 190 Gr. Bonded Tipped Subsonic 		Velocity	1000	
		Penetration	18.3"	
		Expansion	.529"	
		Retained Wt.	188.7 Gr.	
		Percent Wt. Retained	99.30%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 feet				

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24446</b> Gold Dot® 223 Rem. 55 Gr. Bonded Soft Point 		Velocity	3013	
		Penetration	14.75"	
		Expansion	.591"	
		Retained Wt.	55 Gr.	
		Percent Wt. Retained	100%	
<b>24445SP</b> Gold Dot® 223 Rem. 62 Gr. Bonded Soft Point 		Velocity	2692	
		Penetration	14.75"	
		Expansion	.6905	
		Retained Wt.	62 Gr.	
		Percent Wt. Retained	100%	
<b>24475</b> Gold Dot® 223 Rem. 75 Gr. Bonded Soft Point 		Velocity	2502	
		Penetration	16.75"	
		Expansion	.577"	
		Retained Wt.	72.8 Gr.	
		Percent Wt. Retained	97.07%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				


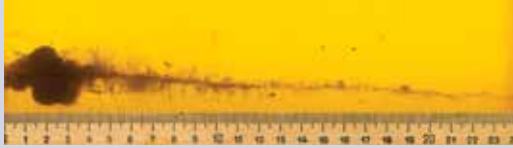





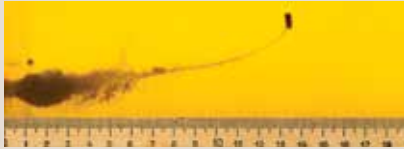

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>LE300BLKTT1</b> Tactical Bonded Tip 300 BLK 110 Gr. Tactical Bonded Tip 		Velocity	2141	
		Penetration	21"	
		Expansion	.536"	
		Retained Wt.	108.2 Gr.	
		Percent Wt. Retained	98.36%	
<b>T300BLKB</b> Tactical® TRU® 300 BLK 110 Gr. Barnes® TSX 		Velocity	2178	
		Penetration	19.75"	
		Expansion	.662"	
		Retained Wt.	110 Gr.	
		Percent Wt. Retained	100%	
Firearm used on the above loads: AR-15   Barrel: 10.5 inches   Twist Rate: 1:7 inches   Range: 10 yards				
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24484</b> Gold Dot 300 BLK 190 Gr. Bonded Tipped Subsonic 		Velocity	1000	
		Penetration	17.75"	
		Expansion	.535"	
		Retained Wt.	188.7 Gr.	
		Percent Wt. Retained	99.30%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 feet				










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







# 223 Rem./5.56x45mm




Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24446</b> Gold Dot® 223 Rem. 55 Gr. Bonded Soft Point 		Velocity	3013	
		Penetration	11.25"	
		Expansion	.441"	
		Retained Wt.	25.2 Gr.	
		Percent Wt. Retained	45.82%	
<b>24445SP</b> Gold Dot® 223 Rem. 62 Gr. Bonded Soft Point 		Velocity	2692	
		Penetration	11.5"	
		Expansion	.325"	
		Retained Wt.	31.3 Gr.	
		Percent Wt. Retained	48.91%	
<b>24475</b> Gold Dot® 223 Rem. 75 Gr. Bonded Soft Point 		Velocity	2502	
		Penetration	12.25"	
		Expansion	.227"	
		Retained Wt.	74.7 Gr.	
		Percent Wt. Retained	99.60%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				

# 300 Blackout

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>LE300BLKTT1</b> Tactical Bonded Tip 300 BLK 110 Gr. Tactical Bonded Tip 		Velocity	2141	
		Penetration	30.1"	
		Expansion	.381"	
		Retained Wt.	109.4 Gr.	
		Percent Wt. Retained	99.45%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 feet				
<b>T300BLKB</b> Tactical® TRU® 300 BLK 110 Gr. Barnes® TSX 		Velocity	2178	
		Penetration	14.6"	
		Expansion	.760"	
		Retained Wt.	96.3 Gr.	
		Percent Wt. Retained	87.55%	
Firearm used on the above loads: AR-15   Barrel: 10.5 inches   Twist Rate: 1:7 inches   Range: 10 yards				
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24484</b> Gold Dot 300 BLK 190 Gr. Bonded Tipped Subsonic 		Velocity	1000	
		Penetration	32" plus	
		Expansion	.315"	
		Retained Wt.	189.3 Gr.	
		Percent Wt. Retained	99.60%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 feet				










Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24446</b> Gold Dot® 223 Rem. 55 Gr. Bonded Soft Point 		Velocity	3013	
		Penetration	14"	
		Expansion	.505"	
		Retained Wt.	42.4 Gr.	
		Percent Wt. Retained	77.09%	
<b>24445SP</b> Gold Dot® 223 Rem. 62 Gr. Bonded Soft Point 		Velocity	2692	
		Penetration	19.5"	
		Expansion	.468"	
		Retained Wt.	49 Gr.	
		Percent Wt. Retained	76.56%	
<b>24475</b> Gold Dot® 223 Rem. 75 Gr. Bonded Soft Point 		Velocity	2502	
		Penetration	16"	
		Expansion	.440"	
		Retained Wt.	70.1 Gr.	
		Percent Wt. Retained	93.47%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>LE300BLKTT1</b> Tactical Bonded Tip 300 BLK 110 Gr. Tactical Bonded Tip 		Velocity	2141	
		Penetration	16.9"	
		Expansion	.561"	
		Retained Wt.	108.7 Gr.	
		Percent Wt. Retained	98.82%	
<b>T300BLKB</b> Tactical® TRU® 300 BLK 110 Gr. Barnes® TSX 		Velocity	2178	
		Penetration	16.55"	
		Expansion	.723"	
		Retained Wt.	108.1 Gr.	
		Percent Wt. Retained	98.27%	
Firearm used on the above loads: AR-15   Barrel: 10.5 inches   Twist Rate: 1:7 inches   Range: 10 yards				










Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24484</b> Gold Dot 300 BLK 190 Gr. Bonded Tipped Subsonic 		Velocity	1000	
		Penetration	18.95"	
		Expansion	.517"	
		Retained Wt.	188.7 Gr.	
		Percent Wt. Retained	99.30%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 feet				










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







# 223 Rem./5.56x45mm




Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24446</b> Gold Dot® 223 Rem. 55 Gr. Bonded Soft Point 		Velocity	3013	
		Penetration	12.5"	
		Expansion	.527"	
		Retained Wt.	41.8 Gr.	
		Percent Wt. Retained	76.00%	
<b>24445SP</b> Gold Dot® 223 Rem. 62 Gr. Bonded Soft Point 		Velocity	2692	
		Penetration	14.5"	
		Expansion	.481"	
		Retained Wt.	39.9 Gr.	
		Percent Wt. Retained	62.34%	
<b>24475</b> Gold Dot® 223 Rem. 75 Gr. Bonded Soft Point 		Velocity	2502	
		Penetration	16.5"	
		Expansion	.460"	
		Retained Wt.	65.6 Gr.	
		Percent Wt. Retained	87.47%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				

# 300 Blackout

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>LE300BLKTT1</b> Tactical Bonded Tip 300 BLK 110 Gr. Tactical Bonded Tip 		Velocity	2141	
		Penetration	17.5"	
		Expansion	.577"	
		Retained Wt.	104.9 Gr.	
		Percent Wt. Retained	95.36%	
<b>T300BLKB</b> Tactical® TRU® 300 BLK 110 Gr. Barnes® TSX 		Velocity	2178	
		Penetration	15"	
		Expansion	.711"	
		Retained Wt.	110 Gr.	
		Percent Wt. Retained	100%	
Firearm used on the above loads: AR-15   Barrel: 10.5 inches   Twist Rate: 1:7 inches   Range: 10 yards				
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24484</b> Gold Dot 300 BLK 190 Gr. Bonded Tipped Subsonic 		Velocity	1000	
		Penetration	14.8"	
		Expansion	.494"	
		Retained Wt.	186 Gr.	
		Percent Wt. Retained	97.90%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 feet				


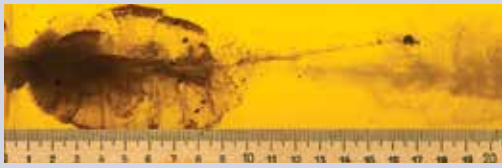

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24446</b> Gold Dot® 223 Rem. 55 Gr. Bonded Soft Point 		Velocity	3013	
		Penetration	7.5"	
		Expansion	.344"	
		Retained Wt.	15.2 Gr.	
		Percent Wt. Retained	27.64%	
<b>24445SP</b> Gold Dot® 223 Rem. 62 Gr. Bonded Soft Point 		Velocity	2692	
		Penetration	14"	
		Expansion	Fragment	
		Retained Wt.	8.7 Gr.	
		Percent Wt. Retained	13.59%	
<b>24475</b> Gold Dot® 223 Rem. 75 Gr. Bonded Soft Point 		Velocity	2502	
		Penetration	12.75"	
		Expansion	.502"	
		Retained Wt.	35.6 Gr.	
		Percent Wt. Retained	47.47%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 yards				

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>LE300BLKTT1</b> Tactical Bonded Tip 300 BLK 110 Gr. Tactical Bonded Tip 		Velocity	2141	
		Penetration	17.65"	
		Expansion	.466"	
		Retained Wt.	67.3 Gr.	
		Percent Wt. Retained	61.18%	
<b>T300BLKB</b> Tactical® TRU® 300 BLK 110 Gr. Barnes® TSX 		Velocity	2178	
		Penetration	14.5"	
		Expansion	.570"	
		Retained Wt.	93.4 Gr.	
		Percent Wt. Retained	84.91%	
Firearm used on the above loads: AR-15   Barrel: 10.5 inches   Twist Rate: 1:7 inches   Range: 10 yards				






















Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24484</b> Gold Dot 300 BLK 190 Gr. Bonded Tipped Subsonic 		Velocity	1000	
		Penetration	12.25"	
		Expansion	.476"	
		Retained Wt.	162.9"	
		Percent Wt. Retained	85.70%	
Firearm used on the above loads: AR-15   Barrel: 16 inches   Twist Rate: 1:7 inches   Range: 10 feet				

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


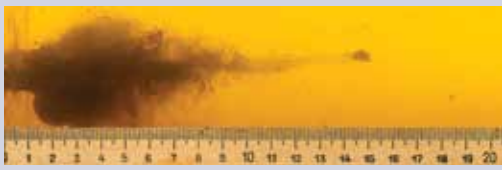

# 6.5 Creedmoor






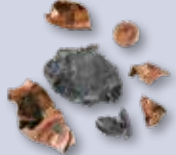






Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>T65CRDTTMK1</b> Tactical® TRU® 6.5 Creedmoor-140 Gr. Tactical Tip MatchKing 		Velocity	2633	
		Penetration	17"	
		Expansion	.557"	
		Retained Wt.	69.5 Gr.	
		Percent Wt. Retained	49.64%	
Firearm used on the above loads: Bolt Action Precision Rifle   Barrel: 24 inches   Twist Rate: 1:8 inches   Range: 50 yards				








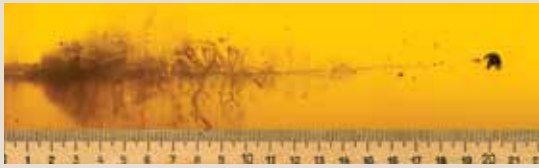

# 308 Win.

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>GM308M</b> Gold Medal® 308 Win. 168 Gr. Sierra® MatchKing® BTHP 		Velocity	2459	
		Penetration	20"	
		Expansion	.617"	
		Retained Wt.	84.4 Gr.	
		Percent Wt. Retained	50.24%	
<b>GM308M2</b> Gold Medal® 308 Win. 175 Gr. Sierra® MatchKing® BTHP 		Velocity	2493	
		Penetration	23.5"	
		Expansion	.620"	
		Retained Wt.	86.4 Gr.	
		Percent Wt. Retained	49.37%	
<b>LE308TT2</b> Tactical® Bonded Tip® 308 Win. 168 Gr. Tactical Bonded Tip 		Velocity	2700	
		Penetration	21.25"	
		Expansion	.725"	
		Retained Wt.	165 Gr.	
		Percent Wt. Retained	98.21%	
<b>T308T</b> Tactical® TRU® 308 Win. 168 Gr. Sierra® BTHP 		Velocity	2650	
		Penetration	14"	
		Expansion	.564"	
		Retained Wt.	76.1 Gr.	
		Percent Wt. Retained	45.30%	
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24457</b> Gold Dot® 308 Win. 150 Gr. Bonded Soft Point 		Velocity	2678	
		Penetration	17.75"	
		Expansion	.850"	
		Retained Wt.	155 Gr.	
		Percent Wt. Retained	100%	
<b>24458</b> Gold Dot® 308 Win. 168 Gr. Bonded Soft Point 		Velocity	2542	
		Penetration	19.62"	
		Expansion	.762"	
		Retained Wt.	156.4 Gr.	
		Percent Wt. Retained	93.10%	
Firearm used on the above loads: Bolt Action Precision Rifle   Barrel: 24 inches   Twist Rate: 1:10 inches   Range: 50 yards				
<b>24483</b> Gold Dot® 308 Win. 172 Gr. Bonded Tipped 		Velocity	2553	
		Penetration	18.1"	
		Expansion	.996"	
		Retained Wt.	152.7 Gr.	
		Percent Wt. Retained	88.78%	
Firearm used on the above loads: Bolt Action Precision Rifle   Barrel: 20 inches   Twist Rate: 1:10 inches   Range: 50 yards   Suppressor				

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

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>T65CRDTMK1</b> Tactical® TRU® 6.5 Creedmoor-140 Gr. Tactical Tip MatchKing 		Velocity	2633	
		Penetration	15"	
		Expansion	.729"	
		Retained Wt.	76.5 Gr.	
		Percent Wt. Retained	54.64%	
Firearm used on the above loads: Bolt Action Precision Rifle   Barrel: 24 inches   Twist Rate: 1:8 inches   Range: 50 yards				

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>GM308M</b> Gold Medal® 308 Win. 168 Gr. Sierra® MatchKing® BTHP 		Velocity	2459	
		Penetration	20.5"	
		Expansion	.670"	
		Retained Wt.	109.4 Gr.	
		Percent Wt. Retained	65.12%	
<b>GM308M2</b> Gold Medal® 308 Win. 175 Gr. Sierra® MatchKing® BTHP 		Velocity	2493	
		Penetration	14.75"	
		Expansion	Fragment	
		Retained Wt.	127 Gr.	
		Percent Wt. Retained	72.57%	
<b>LE308TT2</b> Tactical® Bonded Tip® 308 Win. 168 Gr. Tactical Bonded Tip 		Velocity	2700	
		Penetration	22.5"	
		Expansion	.653"	
		Retained Wt.	165.6 Gr.	
		Percent Wt. Retained	98.57%	
<b>T308T</b> Tactical® TRU® 308 Win. 168 Gr. Sierra® BTHP 		Velocity	2650	
		Penetration	14"	
		Expansion	.649"	
		Retained Wt.	73.5 Gr.	
		Percent Wt. Retained	43.75%	

<b>SPEER® LAW ENFORCEMENT</b>				
<b>24457</b> Gold Dot® 308 Win. 150 Gr. Bonded Soft Point 		Velocity	2678	
		Penetration	18"	
		Expansion	.757"	
		Retained Wt.	150 Gr.	
		Percent Wt. Retained	100%	
<b>24458</b> Gold Dot® 308 Win. 168 Gr. Bonded Soft Point 		Velocity	2542	
		Penetration	22.5"	
		Expansion	.497"	
		Retained Wt.	150.3 Gr.	
		Percent Wt. Retained	89.46%	
Firearm used on the above loads: Bolt Action Precision Rifle   Barrel: 24 inches   Twist Rate: 1:10 inches   Range: 50 yards				
<b>24483</b> Gold Dot® 308 Win. 172 Gr. Bonded Tipped 		Velocity	2553	
		Penetration	20.5"	
		Expansion	.831"	
		Retained Wt.	145.6 Gr.	
		Percent Wt. Retained	84.65%	

Firearm used on the above loads: Bolt Action Precision Rifle | Barrel: 20 inches | Twist Rate: 1:10 inches | Range: 50 yards | Suppressor

# 6.5 Creedmoor

Caliber

Wound Characteristics

Stats

Recovered Bullet

## FEDERAL PREMIUM® LAW ENFORCEMENT

### T65CRDTTMK1

Tactical® TRU® 6.5 Creedmoor-140 Gr. Tactical Tip MatchKing



Velocity	2633
Penetration	14"
Expansion	.474"
Retained Wt.	54.6 Gr.
Percent Wt. Retained	39%



Firearm used on the above loads: Bolt Action Precision Rifle | Barrel: 24 inches | Twist Rate: 1:8 inches | Range: 50 yards

# 308 Win.

Caliber

Wound Characteristics

Stats

Recovered Bullet

## FEDERAL PREMIUM® LAW ENFORCEMENT

### GM308M

Gold Medal® 308 Win. 168 Gr. Sierra® MatchKing® BTHP



Velocity	2459
Penetration	17"
Expansion	.504"
Retained Wt.	168.5 Gr.
Percent Wt. Retained	100%



### GM308M2

Gold Medal® 308 Win. 175 Gr. Sierra® MatchKing® BTHP



Velocity	2493
Penetration	16.25"
Expansion	.418"
Retained Wt.	31.1 Gr.
Percent Wt. Retained	17.77%

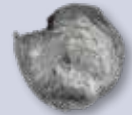


### LE308TT2

Tactical® Bonded Tip® 308 Win. 168 Gr. Tactical Bonded Tip



Velocity	2700
Penetration	24"
Expansion	.734"
Retained Wt.	165.4 Gr.
Percent Wt. Retained	98.45%



### T308T

Tactical® TRU® 308 Win. 168 Gr. Sierra® BTHP



Velocity	2650
Penetration	13.25"
Expansion	.629"
Retained Wt.	70.8 Gr.
Percent Wt. Retained	42.14%



## SPEER® LAW ENFORCEMENT

### 24457

Gold Dot® 308 Win. 150 Gr. Bonded Soft Point



Velocity	2678
Penetration	19.25"
Expansion	.922"
Retained Wt.	141.3 Gr.
Percent Wt. Retained	94.20%



### 24458

Gold Dot® 308 Win. 168 Gr. Bonded Soft Point



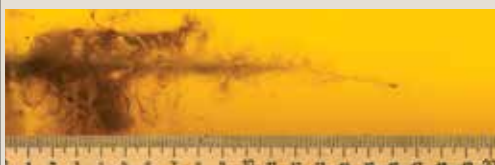
Velocity	2542
Penetration	21.25"
Expansion	.478"
Retained Wt.	130.8 Gr.
Percent Wt. Retained	77.86%



Firearm used on the above loads: Bolt Action Precision Rifle | Barrel: 24 inches | Twist Rate: 1:10 inches | Range: 50 yards

### 24483

Gold Dot® 308 Win. 172 Gr. Bonded Tipped


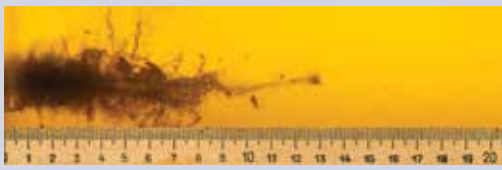
























Velocity	2553
Penetration	21.5"
Expansion	.977"
Retained Wt.	133.3 Gr.
Percent Wt. Retained	77.50%



Firearm used on the above loads: Bolt Action Precision Rifle | Barrel: 20 inches | Twist Rate: 1:10 inches | Range: 50 yards | Suppressor


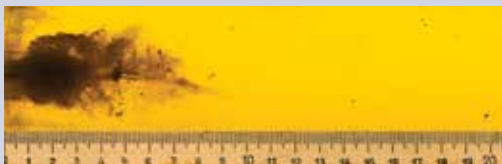

Expansion, retained weight and percentage retained weight are based on the largest available bullet fragment.  
Velocities are based on 5 round averages from the test rifle.













Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>T65CRDTMK1</b> Tactical® TRU® 6.5 Creedmoor-140 Gr. Tactical Tip MatchKing 		Velocity	2633	
		Penetration	13"	
		Expansion	.717"	
		Retained Wt.	64.7 Gr.	
		Percent Wt. Retained	46.21%	
Firearm used on the above loads: Bolt Action Precision Rifle   Barrel: 24 inches   Twist Rate: 1:8 inches   Range: 50 yards				










Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>GM308M</b> Gold Medal® 308 Win. 168 Gr. Sierra® MatchKing® BTHP 		Velocity	2459	
		Penetration	20.5"	
		Expansion	Fragment	
		Retained Wt.	2.5 Gr.	
		Percent Wt. Retained	1.49%	
<b>GM308M2</b> Gold Medal® 308 Win. 175 Gr. Sierra® MatchKing® BTHP 		Velocity	2493	
		Penetration	18.5"	
		Expansion	Fragment	
		Retained Wt.	98.1 Gr.	
		Percent Wt. Retained	56.06%	
<b>LE308TT2</b> Tactical® Bonded Tip® 308 Win. 168 Gr. Tactical Bonded Tip 		Velocity	2700	
		Penetration	23"	
		Expansion	.753"	
		Retained Wt.	166.4 Gr.	
		Percent Wt. Retained	99.05%	
<b>T308T</b> Tactical® TRU® 308 Win. 168 Gr. Sierra® BTHP 		Velocity	2650	
		Penetration	12"	
		Expansion	.666"	
		Retained Wt.	74.8 Gr.	
		Percent Wt. Retained	45%	
<b>SPEER® LAW ENFORCEMENT</b>				
<b>24457</b> Gold Dot® 308 Win. 150 Gr. Bonded Soft Point 		Velocity	2678	
		Penetration	19"	
		Expansion	.795"	
		Retained Wt.	150 Gr.	
		Percent Wt. Retained	100%	
<b>24458</b> Gold Dot® 308 Win. 168 Gr. Bonded Soft Point 		Velocity	2542	
		Penetration	24"	
		Expansion	.370"	
		Retained Wt.	112.2 Gr.	
		Percent Wt. Retained	66.79%	
Firearm used on the above loads: Bolt Action Precision Rifle   Barrel: 24 inches   Twist Rate: 1:10 inches   Range: 50 yards				
<b>24483</b> Gold Dot® 308 Win. 172 Gr. Bonded Tipped 		Velocity	2553	
		Penetration	19.1"	
		Expansion	.823"	
		Retained Wt.	138 Gr.	
		Percent Wt. Retained	80.23%	
Firearm used on the above loads: Bolt Action Precision Rifle   Barrel: 20 inches   Twist Rate: 1:10 inches   Range: 50 yards   Suppressor				



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

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>T65CRDTMK1</b> Tactical® TRU® 6.5 Creedmoor-140 Gr. Tactical Tip MatchKing 		Velocity	2633	
		Penetration	8"	
		Expansion	.671"	
		Retained Wt.	56.5 Gr.	
		Percent Wt. Retained	40.36%	
Firearm used on the above loads: Bolt Action Precision Rifle   Barrel: 24 inches   Twist Rate: 1:8 inches   Range: 50 yards				

Caliber	Wound Characteristics	Stats	Recovered Bullet	
<b>FEDERAL PREMIUM® LAW ENFORCEMENT</b>				
<b>GM308M</b> Gold Medal® 308 Win. 168 Gr. Sierra® MatchKing® BTHP 		Velocity	2459	
		Penetration	11.875"	
		Expansion	.599"	
		Retained Wt.	83.9 Gr.	
		Percent Wt. Retained	49.94%	
<b>GM308M2</b> Gold Medal® 308 Win. 175 Gr. Sierra® MatchKing® BTHP 		Velocity	2493	
		Penetration	12.625"	
		Expansion	.391"	
		Retained Wt.	22.3 Gr.	
		Percent Wt. Retained	12.74%	
<b>LE308TT2</b> Tactical® Bonded Tip® 308 Win. 168 Gr. Tactical Bonded Tip 		Velocity	2700	
		Penetration	19"	
		Expansion	.579"	
		Retained Wt.	112 Gr.	
		Percent Wt. Retained	66.67%	
<b>T308T</b> Tactical® TRU® 308 Win. 168 Gr. Sierra® BTHP 		Velocity	2650	
		Penetration	9.25"	
		Expansion	.710 "	
		Retained Wt.	32.6 Gr.	
		Percent Wt. Retained	19.40%	

<b>SPEER® LAW ENFORCEMENT</b>				
<b>24457</b> Gold Dot® 308 Win. 150 Gr. Bonded Soft Point 		Velocity	2678	
		Penetration	12.25"	
		Expansion	.562"	
		Retained Wt.	44.6 Gr.	
		Percent Wt. Retained	29.73%	
<b>24458</b> Gold Dot® 308 Win. 168 Gr. Bonded Soft Point 		Velocity	2542	
		Penetration	13.875"	
		Expansion	.887"	
		Retained Wt.	116.9 Gr.	
		Percent Wt. Retained	69.58%	
Firearm used on the above loads: Bolt Action Precision Rifle   Barrel: 24 inches   Twist Rate: 1:10 inches   Range: 50 yards				
<b>24483</b> Gold Dot® 308 Win. 172 Gr. Bonded Tipped 		Velocity	2553	
		Penetration	17.75"	
		Expansion	.712"	
		Retained Wt.	101 Gr.	
		Percent Wt. Retained	58.72%	

Firearm used on the above loads: Bolt Action Precision Rifle | Barrel: 20 inches | Twist Rate: 1:10 inches | Range: 50 yards | Suppressor



# PROTOCOL PROVEN



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



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.



**FEDERAL**  **PREMIUM**  
**LAW ENFORCEMENT**

**SPEER**<sup>®</sup> **LE**

Please contact your TKG LE Distributor  
or find your Regional TKG LE Specialist at [le-tkg.com](http://le-tkg.com)