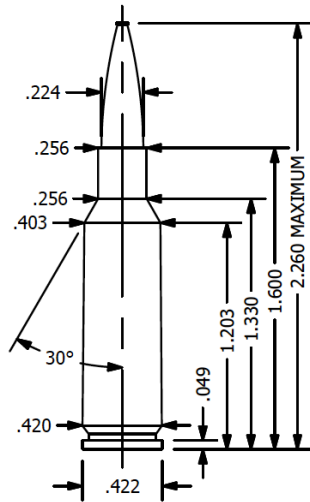


## 224 Valkyrie



### Test Specifications/ Components

**Firearm Used:** Universal Receiver

**Barrel Length:** 24"

**Twist:** 1-8"

**Case:** Starline Brass for bullets 52-63 grain and Federal Premium for bullets 69-95 grains

**Trim-to Length:** 1.590"

**Primer:** Winchester WSR

### Remarks:

The 224 Valkyrie, developed by Federal Cartridge Co., is based upon the 6.8 SPC Remington case. The case length is shorter than the 223 Remington affording

the use of heavier match grade bullets with very long ogives and high ballistic coefficients (BC) in a semi-automatic firearm at magazine friendly overall lengths. This offers a distinct advantage over the 223 Remington, where the same bullets must be single-fed. Less recoil than many of the other favored competition cartridges another notable benefit to the 224 Valkyrie.

Super-sonic velocities at ranges greater than the 223 Remington and the 6.5 Grendel can achieve at magazine length are also an advantage with the 224 Valkyrie.

As rifle competition venues get longer and faster, the 224 Valkyrie should certainly grab the attention of those who favor the AR platform, but the Valkyrie will perform very well out of all action types.

## 224 Valkyrie

**#1410 .224" 52 gr. HPBT MatchKing**  
C.O.A.L. 2.110"



**#1400 .224" 53 gr. HP MatchKing**  
C.O.A.L. 2.110"



**#1345 .224" 55 gr. Spitzer Blitz Varminter**  
C.O.A.L. 2.150"



**MEDIUM  
VELOCITY**

**#1350 .224" 55 gr. SMP Varminter**  
C.O.A.L. 2.110"



**#1355 .224" 55 gr. FMJBT GameKing**  
C.O.A.L. 2.06"



**#1360 .224" 55 gr. Spitzer Varminter**  
C.O.A.L. 2.17"



**#1365 .224" 55 gr. SBT GameKing**  
C.O.A.L. 2.15"



**#1390 .224" 55 gr. HPBT GameKing**  
C.O.A.L. 2.09"



**#1455 .224" 55 gr. BlitzKing**  
C.O.A.L. 2.180"



Powder ↓ / Velocity →	3000	3100	3200	3250	3300	3350
Benchmark	25.0	25.8				
RE10x	22.1	22.9	23.6			
Power Pro Varmint	24.4	25.3	26.2	26.6	27.1	27.5
IMR 8208 XBR	24.0	24.8	25.6	26.1		
XMR 2495	24.7	25.6	26.4			
TAC	24.2	25.1	26.0	26.4	26.9	
H335	23.9	24.8	25.8	26.3		
H4895	23.9	24.7	25.5	25.9	26.3	
AA 2520	25.6	26.5	27.3	27.8	28.2	
Varget	25.6	26.4	27.2	27.6		
AR Comp	23.4	24.2	25.1	25.6		
IMR 4166 End.	24.7	25.5				
IMR 4064	25.0	25.8				
RE 15	25.1	26.0	26.8	27.2		
Power Pro 2000 MR	26.7	27.6	28.5	28.9	29.4	29.8
N540	25.4	26.2	27.0			
<b>Energy/ft.lbs</b>	<b>1099</b>	<b>1173</b>	<b>1250</b>	<b>1290</b>	<b>1330</b>	<b>1370</b>

**INDICATES MAXIMUM LOAD - USE CAUTION**  
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

## 224 Valkyrie

#1375 .224" 60 gr. HP Varminter  
C.O.A.L. 2.140"



#1370 .224" 63 gr. SMP Varminter  
C.O.A.L. 2.100"



Powder ↓ / Velocity →	2800	2900	3000	3050	3100	3150
Power Pro Varmint	23.0	24.0	25.0	25.5	26.0	
IMR 8208 XBR	23.1	24.0	24.9			
XMR 2495	23.2	24.1				
TAC	23.1	24.2	25.2	25.7		
H335	22.8	23.8				
H4895	22.5	23.5	24.4	24.8		
AA 2520	24.0	25.0	26.0	26.5	27.0	27.5
Varget	24.4	25.4	26.4			
AR Comp	22.1	23.2	24.3			
IMR 4166 End.	23.6	24.5				
IMR 4064	23.7	24.7				
RE 15	23.9	24.8	25.7	26.2		
CFE 223	24.6	25.6	26.6	27.1	27.6	28.1
Power Pro 2000 MR	25.3	26.3	27.3	27.7	28.2	28.7
Big Game	26.8	28.0				
RE 17	26.5	27.4	28.3	28.8		
N540	24.5	25.4	26.2			
<b>Energy/ft.lbs</b>	<b>1201</b>	<b>1288</b>	<b>1379</b>	<b>1425</b>	<b>1472</b>	<b>1520</b>

INDICATES MAXIMUM LOAD - USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

## 224 Valkyrie

#1395 .224" 65 gr. SBT GameKing  
C.O.A.L. 2.137"



10" TWIST  
OR FASTER

#1380 .224" 69 gr. HPBT MatchKing  
C.O.A.L. 2.160"



10" TWIST  
OR FASTER

#7169 .224" 69 gr. TMK  
C.O.A.L. 2.200"



10" TWIST  
OR FASTER

Powder ↓ / Velocity →	2700	2800	2900	3000	3050	3100
Power Pro Varmint	23.1	24.0	25.0	25.9	26.4	
IMR 8208 XBR	22.6	23.4	24.3	25.1	25.5	
XMR 2495	23.3	24.2	25.1			
TAC	22.9	23.9	24.9	26.0		
H335	22.3	23.3	24.3			
H4895	22.6	23.5	24.4	25.2		
AA 2520	24.2	25.1	26.1	27.0	27.5	
Varget	23.9	24.8	25.6	26.5		
AR Comp	21.8	22.8	23.8	24.8		
IMR 4166 End.	23.0	23.9	24.8			
IMR 4064	23.2	24.0	24.7			
RE 15	24.0	24.9	25.7	26.5	26.9	
CFE 223	24.1	25.0	26.0	26.9	27.4	27.9
Power Pro 2000 MR	25.3	26.3	27.2	28.1	28.6	29.0
Big Game	26.3	27.5	28.6			
RE 17	26.0	26.8	27.5	28.2		
N540	23.8	24.7	25.5			
<b>Energy/ft.lbs</b>	<b>1117</b>	<b>1201</b>	<b>1288</b>	<b>1379</b>	<b>1425</b>	<b>1472</b>

INDICATES MAXIMUM LOAD - USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

## 224 Valkyrie

#9377 .224" 77 gr. HPBT MatchKing  
C.O.A.L. 2.100"



**8" TWIST  
OR FASTER**

#9377G .224" 77 gr. HPBT MatchKing  
Cannelure  
C.O.A.L. 2.160"



**8" TWIST  
OR FASTER**

#7177 .224" 77 gr. TMK  
C.O.A.L. 2.200"



**8" TWIST  
OR FASTER**

#9390 .224" 80 gr. HPBT  
C.O.A.L. 2.260"



**8" TWIST  
OR FASTER**

Powder↓ / Velocity →	2600	2700	2750	2800	2850	2900
Power Pro Varmint	22.7	23.7	24.3	24.8	25.3	
IMR 8208 XBR	22.5	23.4	23.9			
TAC	23.1	24.1	24.7	25.2		
H335	22.3	23.3				
H4895	22.4	23.3	23.8	24.3		
AA 2520	23.8	24.8	25.3	25.8	26.3	
Varget	22.9	23.9	24.3	24.8		
AR Comp	21.3	22.4	22.9			
IMR 4166 End.	23.0	23.9	24.4			
IMR 4064	23.7	24.6	25.0			
XMR 4064	23.8	24.8	25.3	25.8		
RE 15	23.5	24.5	25.0	25.4	25.9	
CFE 223	23.9	24.9	25.5	26.0	26.5	
Power Pro 2000 MR	24.7	25.7	26.1	26.6	27.1	27.6
Big Game	26.0	27.1	27.7	28.3	28.8	
RE 17	26.0	26.8	27.3	27.7	28.1	28.6
N540	23.4	24.4	24.8			
<b>Energy/ft.lbs</b>	<b>1201</b>	<b>1295</b>	<b>1343</b>	<b>1392</b>	<b>1443</b>	<b>1494</b>

**INDICATES MAXIMUM LOAD - USE CAUTION**  
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

## 224 Valkyrie

#9290 .224" 90 gr. HPBT MatchKing  
C.O.A.L. 2.260"



**6.5" TWIST  
OR FASTER**

Powder↓ / Velocity →	2300	2400	2500	2550	2600	2675	2700
Power Pro Varmint	20.3	21.4	22.5	23.0			
TAC	20.9	22.0	23.0	23.6			
H335	20.7	21.8	23.0				
H4895	20.4	21.4	22.5				
AA 2520	21.5	22.6	23.7	24.3			
Varget	20.9	21.9	22.9	23.4	23.9		
AR Comp	19.1	20.3					
IMR 4166 End.	20.9	21.9	22.9	23.4			
IMR 4064	21.5	22.4	23.4				
XMR 4064	21.2	22.3	23.4	24.0			
RE 15	21.3	22.4	23.4	24.0	24.5		
CFE 223	21.4	22.6	23.9	24.5	25.1		
Power Pro 2000 MR	22.2	23.3	24.4	24.9	25.5	26.3	
H380	23.2	24.3	25.4	26.0	26.5		
Big Game	23.4	24.5	25.7	26.2	26.8	27.6	
Win 760	23.7	24.9	26.2	26.8	27.4	28.3	
RE 17	23.3	24.2	25.2	25.6	26.1	26.8	27.0
<b>Energy/ft.lbs</b>	<b>1057</b>	<b>1151</b>	<b>1249</b>	<b>1299</b>	<b>1351</b>	<b>1430</b>	<b>1457</b>

**INDICATES MAXIMUM LOAD - USE CAUTION**  
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

# 224 Valkyrie

#1396 .224" 95 gr. HPBT MatchKing  
C.O.A.L. 2.260"



**6.5" TWIST  
OR FASTER**

Powder↓ / Velocity →	2300	2400	2450	2500	2550	2575	2600
Power Pro Varmint	21.1	22.3	22.9				
TAC	21.2	22.4	22.9				
H335	21.6	22.5					
H4895	20.9	21.8	22.3				
AA 2520	21.9	23.0	23.5	24.1	24.6		
Varget	21.5	22.5					
IMR 4166 End.	21.0	21.9	22.4				
IMR 4064	21.8	22.7					
XMR 4064	21.9	23.0	23.5				
RE 15	21.7	22.7	23.2	23.8			
CFE 223	22.3	23.5	24.1	24.7			
Power Pro 2000 MR	22.6	23.7	24.3	24.8	25.4	25.7	
H380	23.8	24.9	25.4	26.0	26.5		
Big Game	23.7	24.7	25.2	25.7	26.2		
Win 760	24.4	25.5	26.1	26.7	27.3	27.6	
RE 17	23.4	24.4	24.9	25.4	25.9	26.1	26.4
<b>Energy/ft.lbs</b>	<b>1116</b>	<b>1215</b>	<b>1266</b>	<b>1318</b>	<b>1371</b>	<b>1398</b>	<b>1426</b>

**INDICATES MAXIMUM LOAD - USE CAUTION**  
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

# 224 Valkyrie

**INDICATES MAXIMUM LOAD - USE CAUTION**  
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.