

# 20 VARTARG

## Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-11"

## Components:

Case: Formed from Norma  
221 Fireball

Trim-to Length: 1.390"

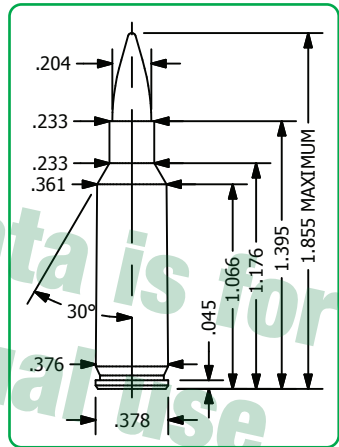
Primer: WSR

## Remarks:


Designed by Todd Kindler, the VarTarg name comes from a linguistic blend of words 'Varmint' and 'Target' and is one of the smaller 20 cal cartridges. It is based off of a necked down 221 Fireball with only a few changes. It uses a 30 degree shoulder that has been set back slightly from the original case but it should be a simple task to form cases by running them through a 20 VarTarg full length sizing die and then trimming them. Annealing the neck and shoulder area would also be a good idea before forming.

The cartridge is a very efficient one because of the comparison in case volume to the bore volume. Also, it should give exceptionally long barrel life because of this in comparison to other 20 caliber cartridges. An added bonus from this is that excessive heat from longer shooting strings won't be a problem either. This in turn should give accuracy potential for more shots.


Accuracy should be easy to find using our BlitzKings as they use match jackets. They will be an excellent choice for varmints the size of prairie dogs because of the explosive expansion quality given and 300 yard shots should be easy to accomplish. They will also be equally suited for paper targets out to a sizable range.



**Z0 VARTARG**

Bullet Caliber Weight Type								C.O.A.L.
	#1032	.204"	32gr.	BlitzKing				1.855"
Powder	Velocity	3100	3200	3300	3400	3500	3600	3700
2400		11.3	11.7	12.3	13.1			
Enforcer		11.4	12.0	12.5	13.1			
N110				12.8	13.5			
Lil Gun				11.9	12.4	13.0		
H110		11.8	12.2	12.7	13.3			
Win 296			12.0	12.6	13.5			
IMR 4227				15.1	15.7	16.1	16.6	
A 5744						16.8	17.5	18.0
A 1680				15.6	16.2	16.8	17.4	18.0
CFE BLK				16.1	16.6	17.2	17.8	18.5
RE 7		15.4	15.9	16.4	16.9	17.4	17.9	18.5
IMR 4198			15.2	15.8	16.4	16.9	17.3	17.7
H4198				15.5	16.5	17.2	17.9	18.3
N120				15.3	15.9	16.5	16.9	
LT 32		16.3	16.9	17.5	18.1	18.7	19.3	
<b>Energy Ft. Lbs</b>		<b>683</b>	<b>727</b>	<b>774</b>	<b>821</b>	<b>870</b>	<b>921</b>	<b>973</b>
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
<b>Accuracy Load</b>	RE 7	18.5	3700	973				
<b>Hunting Load</b>	A 5744	18.0	3700	973				

# 20 VARTARG

Bullet		Caliber	Weight	Type	C.O.A.L.				
	#1039	.204"	39gr.	BlitzKing	1.855"				
Powder	Velocity	2900	3000	3100	3200	3300	3400	3500	
2400		11.1	11.7						
Enforcer		11.5	12.0						
N110		11.5	12.1	12.7					
Lil Gun			11.2	11.7	12.3				
H110		12.0	12.4	12.9					
IMR 4227				14.6	15.3	15.8			
A 5744						16.3	17.0	17.6	
A 1680						16.7	17.5		
CFE BLK					16.4	17.0	17.6		
RE 7					16.5	17.1	17.6		
IMR 4198					16.0	16.6	17.1		
H4198					16.3	16.8	17.3	17.8	
N120				14.8	15.5	16.1			
LT 32					17.7	18.4	18.9		
<b>Energy Ft. Lbs</b>		<b>728</b>	<b>779</b>	<b>832</b>	<b>887</b>	<b>943</b>	<b>1001</b>	<b>1061</b>	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
<b>Accuracy Load</b>	Enforcer	12.0	3000	779					
<b>Hunting Load</b>	A 5744	17.6	3500	1061					