

QuickLOAD® V.3.9 Cartridge Dimensions

Selected Bullet: File:\berger Selected Cartridge: File:\qlloadfw

.264, 156, Berger LRBTHP #26550 .264 Win. Mag.

☒ Edit/Save Chased ☐ Friction-proofed

	Inches	mm		psi	bar
Seating Depth	0.573	14.55	Pmax (MAP)	62366	4300.0
Shank Seat Depth	0.343	8.71	Meas. Method	Piezo CIP	
Bullet Length	1.413	35.89		Grains	Grams
Bullet Diameter	0.264	6.71	Bullet Weight	156.0	10.109
				Sq. inches	mm ²
Cartridge Length	3.340	84.84	Cross-sectional Bore Area	.053723	34.66
Case Length	2.500	63.50		Grains H2O	cm ³
Groove Caliber	0.264	6.71	Maximum Case Capacity, overflow	82.00	5.324
Barrel Length	26.0	660.4	Volume Occupied by Seated Bullet	7.339	0.477
Bullet Travel	24.073	611.45	Useable Case Capacity	74.659	4.847
			Weighting Factor	0.5	Apply&Calc

QuickLOAD® V.3.9 Charge

Selected Propellant: File:\qlloadfw

Vihtavuori N570 *C

Heat of Explosion / Potential	3950	kJ/kg
Ratio of Specific Heats	1.2470	
Burning Rate Factor Ba	0.2770	17bar ^{1/2}
Pro- or Degressivity Factor a0	2.6972	
Progressive Burning Limit z1	0.516	x 100%
Factor b	2.2230	
Propellant Solid Density	1.620	g/cm ³
Shot Start (Initiation) Pressure	3626	psi
Filling/L.R.	97.7	%
Charge Weight	70.9	Grains
	4.594	Grams

Apply&Calc

QuickLOAD® V.3.9 Charge variations

Cartridge : .264 Win. Mag.
 Bullet : .264, 156, Berger LRBTHP #26550
 Useable Case Capaci: 74.659 grain H2O = 4.847 cm³
 Cartridge O.A.L. L6: 3.340 inch = 84.84 mm
 Barrel Length : 26.0 inch = 660.4 mm
 Powder : Vihtavuori N570 *C

Predicted data by increasing and decreasing the given cl
 incremented in steps of 2.0% of nominal charge.
 CAUTION: Figures exceed maximum and minimum recommended

Step	Fill. Charge	Vel.	Energy	Pmax	Pmuz	Prop
<						>

QuickLOAD® V.3.9 Results

Maximum Chamber Pressure (Pmax)	4290 bar	Bullet Travel at Pmax	93.1 mm
	62215 psi		3.67 in.
Load Density	0.948 g/cm ³	Energy Density	3744J/cm ³
Values when Bullet Base Exits Muzzle...click here for more data			
Muzzle Pressure	1085 bar	Muzzle Velocity	945 m/s
	15741 psi		3101 fps
Barrel Time, 10% Pmax to Muzzle	1.329 ms	Projectile Energy	4516 Joule
			3331 ft.-lbs.
Amount of Propellant Burnt	99.48 %	Ballistic Efficiency	24.9 %

Results without any guarantee on usability ! WARNING: Near Maximum Average Pressure - tolerances may cause dangerous pressures ! End of combustion after the projectile exits muzzle.