300 WinMag Barnes LRX BT 200gr

mercoledì, 17. settembre 2014 19:00

RICARICA 300 Win Mag - Norma MRP - 71.56gr - L84.84 - Barnes LRX BT 200gr
WARNING: Since we have no control over equipment or data which may be used with this program, no responsibility is implied or assumed for results obtained through its use. Input data and results may be incorrect or wrong. Therefore the use of this data for loading ammunition can cause serious injury to personnell and material. The computer-results had to be checked against data available in current loading manuals. LOT-TO-LOT VARIATIONS OF POWDERS, PRIMER SUBSTITUTION AND COMPONENT CHANGE OFTEN RAISE PRESSURES TO UNSAFE LEVELS. THE USER MUST ASSUME THE ENTIRE RISK OF USING THIS DATA FOR LOADING PURPOSES.

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User Data:	Date:17-set-2014		Time:18:57:02	File: 300winmag-barneslrxbt200grnormamrp.dat		
Cartridge / Caliber	.300 Win. Mag.(@)		Bullet		.308, 200, Barnes 'LRX' BT 3	
Maximum Average Pressure, allowed Groove Caliber Case Capacity, overflow Case Length Cartridge O.A. Length Shot Start / Init Pressure	4300 bar 7.82 mm 5.941 cm ³ 66.55 mm 84.84 mm 300.0 bar	62366 psi. (Pie 0.308 in. 91.5 gr. H2O 2.620 in. 3.340 in. 4351 psi.	ezo CIP) Bullet Weight Bullet Length Bullet Seating Del Barrel/Tube Lengt Cross Section Are	h	with boattail 12.96 gm 41.25 mm 22.96 mm 660.4 mm 0.4732 cm ²	200.0 gr. 1.624 in. 0.904 in. 26.0 in. 0.07335 in. ²
Propellant type	Norma MRP					
Charge Weight Heat of Explosion, Potential Propellant Solid Density Burning Rate Factor Ba Burning Function Limit Z1 Factor b	4.637 gm 4020 J/gm 1.61 gm/cm ³ 0.369 1/s 0.552 2.091	71.56 gr. 260.5 J/gr. 407.15 gr./in. ³	Load Density Energy Density of Used Ratio of Spe Weighting Factor Prog/ Degressivi Bulk Density	ecific Heats cp/cv	0.950 gm/cm ³ 3821 J/cm ³ 1.2285 0.5 1.737 0.960 gm/cm ³	62615 J/in. ³
Calculated and Estimated Data:						
Bullet Shank Seating Depth Useable Case Capacity Loading Ratio("Density") / Filling	17.88 mm 4.879 cm³ 99.0 %	0.704 in. 0.2977 in. ³	Bullet Travel at Mu	d by Seated Bullet uzzle Exit Burnt at Shot Start	1.062 cm³ 616.81 mm 1.41 %	0.0648 in. ³ 24.28 in.
Predicted Data:						
Maximum Chamber Pressure	4222 bar	61232 psi.	Bullet Travel at Pr	nax	64.6 mm	2.55 in.
at Muzzle Exit: Bullet Velocity Bullet Energy Propellant Burnt	907.1 m/s 5333 Joule 100.0 %	2976 fps. 3934 ft.lbs.	Pressure at Muzzl Bullet Barrel Time Ballistic Efficiency		768 bar 1.276 ms 28.6 %	11137 psi.
Additional Data: Powder Lot Bullet Lot Measured Muzzle Vel., StdDev.			Primer Type and L Case Manufacture Measured Pressu	er		

WARNING: Near Maximum Average Pressure - unknown tolerances may cause dangerous pressures! Real maximum (peak) of pressure is reached while bullet moves within barrel. End of combustion reached before bullet's base passes muzzle.

