308Win - RS50 44,6gr - RWS Evo 185gr - L71mm - 802m/s

mercoledì, 17. dicembre 2014 19:14

RICARICA 308win RS50-44e6gr - L71.00 - RWSEvo185gr - 802m/s

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.

QuickLOAD® V.3.8.03 #130663, © Copyright 1987-2013 - H.Broemel, Babenhausen, Germany

User Data:	Date:17-dic-2014		Time:19:12:47 File: 308winrwsevolution184gr.dat		
Cartridge / Caliber	.308 Win. (CIP)		Bullet	.308, 185, RWS Evolution	
Maximum Average Pressure, allowed Groove Caliber Case Capacity, overflow Case Length Cartridge O.A. Length Shot Start / Init Pressure	4150 bar 7.82 mm 3.636 cm ³ 51.16 mm 71.0 mm 250.0 bar	60191 psi. (Pie 0.308 in. 56.0 gr. H2O 2.014 in. 2.795 in. 3626 psi.	ezo CIP) Bullet Weight Bullet Length Bullet Seating Depth Barrel/Tube Length Cross Section Area of Bore	with hollowbas 12.0 gm 32.89 mm 13.05 mm 660.4 mm 0.4751 cm²	e 185.2 gr. 1.295 in. 0.514 in. 26.0 in. 0.07364 in. ²
Propellant type	ReloadSwiss RS 50				
Charge Weight Heat of Explosion, Potential Propellant Solid Density Burning Rate Factor Ba Burning Function Limit Z1 Factor b	2.89 gm 3815 J/gm 1.61 gm/cm ³ 0.52 1/s 0.394 1.565	44.6 gr. 247.2 J/gr. 407.15 gr./in. ³	Load Density Energy Density of Charge Used Ratio of Specific Heats cp/cv Weighting Factor Prog/ Degressivity Factor a0 Bulk Density	0.957 gm/cm ³ 3650 J/cm ³ 1.239 0.5 1.231 0.957 gm/cm ³	59813 J/in. ³
Calculated and Estimated Da	ıta:				
Bullet Shank Seating Depth Useable Case Capacity Loading Ratio("Density") / Filling	13.05 mm 3.021 cm ³ 100.0 %	0.514 in. 0.1843 in. ³	Capacity Displaced by Seated Bullet Bullet Travel at Muzzle Exit Charge Fraction Burnt at Shot Start	0.615 cm ³ 622.29 mm 1.16 %	0.0375 in. ³ 24.5 in.
Predicted Data:					
Maximum Chamber Pressure	4020 bar	58299 psi.	Bullet Travel at Pmax	31.7 mm	1.25 in.
at Muzzle Exit: Bullet Velocity Bullet Energy Propellant Burnt	802.3 m/s 3863 Joule 98.8 %	2632 fps. 2849 ft.lbs.	Pressure at Muzzle Bullet Barrel Time Ballistic Efficiency	456 bar 1.277 ms 35.0 %	6608 psi.
Additional Data:					
Powder Lot Bullet Lot Measured Muzzle Vel., StdDev.			Primer Type and Lot Case Manufacturer Measured Pressure, StdDev.		

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 occurs after the bullet's base passes muzzle.

Chamber Pressure Velocity (m/s) 900 (bar) 4500 T 4000 800 MAP-159 700 3000 600 2500 500 2000 400 1500 300 1000 200 500 100 0 0 0.2 0.4 1.0 1.2 Bullet Travel Time (ms)