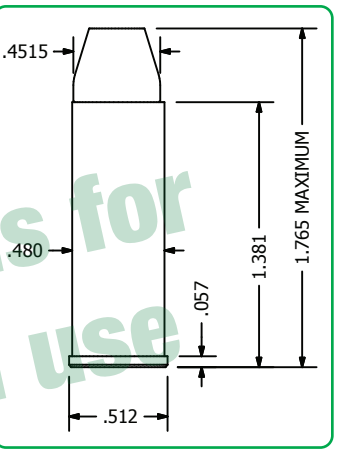
454 Casull

Test Specifications:

Firearm Used: Universal
Barrel Length: 7.5”
Twist: 1-16”

Components:

Case: Lapua
Trim-to Length: 1.375”
Primer: CCI 450



Remarks:

The powerful 454 was developed by Dick Casull and Jack Fullmer in the late 1950s and was a highly modified outgrowth of the 45 Colt cartridge. With factory ammunition delivering a 300 grain bullet at slightly over 1600 fps, the 454 is an awesome cartridge. Much of this performance is due to the incredibly tight tolerances of the only factory revolver chambered for it — the Freedom Arms 454 Casull. Providing ample power for any North American big game, the Casull is well suited to the handgun hunter. While heavy loads may be necessary for hunting, most shooters will find that reduced loads are more pleasant for general use.

Loading for the Casull presents some special requirements. Given this cartridge’s potent recoil, bullets pulling under recoil are a near certainty with heavy loads unless the bullets are seated with adequate neck tension and a very firm crimp. The heavy charges of slow burning powder that the Casull thrives on require this for best ignition and accuracy. Although most seating dies can seat and crimp in one operation, we strongly recommend that crimping be done in a separate operation. Our best results were obtained with the Lee Factory Crimp die, applying a heavy crimp to the case mouth after the bullets had been seated to the correct depth.

The 300 grain JSP was designed with a much heavier jacket and a harder core for use in more potent loadings, while the 240 grain JHC was intended for the velocities and pressures of the milder 45 Colt cartridge. For handloaders wishing to use lighter bullets at higher velocities, we recommend the use of Freedom Arms bullets only, as they are designed to withstand the Casull’s velocity.

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

454 CASULL

Bullet	Caliber	Weight	Type	C.O.A.L.
	.4515”	240gr.	JHC	1.700”

Powder ∨ Velocity >	1400	1500	1600	1700	1800	1900	2000
Win 231	15.1	16.1	17.2				
Unique	16.3	18.2	20.2				
Universal		15.5	16.9				
Power Pistol			17.6	19.2	20.8		
Herco			20.1	22.3			
N340	15.4	16.7	18.0				
N350		17.0	18.7				
A#7		22.6	23.8	25.0	26.1		
2400		28.3	29.2	30.2	31.1	32.0	
Enforcer		30.8	31.9	33.0	34.1	35.3	
A#9					29.5	31.3	
A 4100			30.6	31.9	33.2	34.5	
3N38				22.4	24.2		
N110			27.0	29.1	31.1		
Lil Gun						34.3	36.4
H110				33.7	34.8	36.0	
Win 296				33.5	34.8	36.1	37.4
IMR 4227	30.3	31.9	33.4	34.9			
A 5744	29.6	31.8	34.1				
Energy Ft. Lbs	**1044**	**1199**	**1364**	**1540**	**1726**	**1923**	**2131**

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	A 4100	34.5	1900	1923
Hunting Load	Lil Gun	36.4	2000	2131

454 CASULL

Bullet	Caliber	Weight	Type	C.O.A.L.
	#8830	.4515”	300gr. JSP	1.755”

Powder ∨ Velocity >	1100	1200	1300	1400	1500	1600	1700
Clays	10.2	11.4					
Win 231	12.1	13.2	14.4				
Unique		13.6	15.2				
Universal		12.9	14.1	15.2			
Power Pistol			14.5	16.0	17.4		
Herco			15.8	17.6			
N340		13.7	14.9				
N350		14.2	15.6	16.9			
A#7			18.9	20.2	21.6		
2400		22.3	23.5	24.7	25.9	27.1	
Enforcer					25.6	28.1	30.6
A#9					24.1	25.9	
A 4100				25.4	26.9	28.5	30.0
3N38			17.4	18.9	20.3		
N110				22.9	24.9	27.0	
Lil Gun					26.6	28.5	30.5
H110				27.3	28.9	30.4	31.9
Win 296				27.2	28.7	30.2	31.7
IMR 4227		25.6	27.2	28.8	30.3		
A 5744		25.7	27.7	29.8	31.8		
A 1680	30.2	31.7	33.2				
Power Pro 300 MP				28.1	29.5	30.9	32.4
Energy Ft. Lbs	**806**	**959**	**1126**	**1305**	**1499**	**1705**	**1925**

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	Lil Gun	30.5	1700	1925
Hunting Load	Enforcer	30.6	1700	1925

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