

# .475 KODIAK

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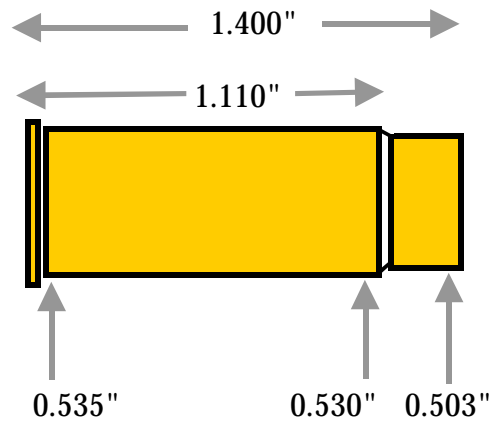
In September of 2002, I designed the .475 Kodiak in conjunction with my .450 Bonecrusher. At the time, I was hoping to create a round that would exceed .475 Linebaugh performance and do so out of a standard length frame. In other words, a Ruger Blackhawk. Dimensionally, the Kodiak was equivalent to the .450 Bonecrusher except that it was necked to handle .475" bullets; as previously noted, both cartridges are formed off of .500 Linebaugh brass. Proposed dimensions are depicted below.

Originally, I expected the round to out-perform a .475 Linebaugh by 100 – 150 fps, which would put it in line with a .475 Maximum. After working with the .450 Bonecrusher however, I doubt the Kodiak can return this level of performance. Specifically, my .450 did provide a 25% increase in case volume when compared to the .454 Casull and .458 Devastator. In fact, when not limiting the chamber pressure to 40,000 CUP, the Bonecrusher actually holds ~35% more powder than its counterparts. Regardless, the additional 25% at 40,000 CUP gave me a 100 fps over the Devastator/Casull and did so with 40% less pressure. In my opinion, the round was a success.

Now the .475 Kodiak is 15-20% larger than a .475 Linebaugh, but to use the extra capacity, max pressure would exceed 40,000 CUP.....an amount that's definitely unsafe for a .500L based, five-shot cylinder. As a matter of fact, my ballistic software indicates that to achieve 1,550 fps with a 400 grain bullet, the Kodiak would be around 49,000 CUP (assuming a 7" barrel). Similarly, at 40,000 CUP, a 400 would be traveling between 1,400 and 1,430 fps. Though this level would be safe using .500 brass, the performance is essentially that of a .475 Linebaugh. As a result, I've decided to scrap this project.

If you have any questions or comments I can be reached at: [sc429@yahoo.com](mailto:sc429@yahoo.com)

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