

# IMR® TRAIL BOSS® REDUCED LOADS FOR RIFLE AND PISTOL

As noted in the powder description section, Trail Boss was designed primarily for reduced loads using lead bullets in pistol cartridges. However, Trail Boss offers superb versatility in rifle cartridges producing reduced loads using lead or jacketed bullets. These reduced loads make firing such cartridges as the 300 Winchester Magnum or even the 458 Winchester Magnum pure fun!

Where data is already shown for specific cartridges, never exceed listed maximums. Many original black powder pistol cartridges have capacities where a full case to the base of the intended bullet, creates charges that exceed maximum pressures allowed by SAAMI. In all these cartridges, we show data that stays within the SAAMI maximum pressure guidelines.

Listed below we show a few examples of rifle loads throughout the Reloading Data Center, but the fun doesn't stop there. If you don't see Trail Boss data for your favorite cartridge we have a formula for developing loads for all cartridges and it's simple to follow. This formula may be used in both rifle and pistol applications:

- 1) Find where the base of the bullet to be loaded is located in the case and make a mark on the outside of the case at this location. Then fill the case to that mark with Trail Boss, pour into the scale pan and weigh. This is your maximum load. Pressures will be below the maximum allowed for this cartridge and perfectly safe to use!
- 2) Take 70% of this powder charge weight (multiply the maximum load from step 1 by .7), and that is your starting load.
- 3) Start with this beginning load and work up to your maximum charge, all the while searching for the most accurate reduced load. Once found, the fun begins!

Bullet Weight (Gr.)	Bullet Diam.	C.O.L.	Starting Loads			Maximum Loads		
			Gr.	Vel. (Ft/s)	Pressure	Gr.	Vel. (Ft/s)	Pressure
<b>22-250 REMINGTON</b> Barrel: 24"			Twist: 1:14" Trim: 1.902"			Case: Winchester Primer: Winchester LR		
55 GR. SPR SP	.224"	2.350"	9.1	1664	17,200 PSI	13.0	1984	26,600 PSI
<b>243 WINCHESTER</b> Barrel: 24"			Twist: 1:10" Trim: 2.035"			Case: Winchester Primer: Winchester LR		
100 GR. SPR BTSP	.243"	2.650"	8.0	1045	27,300 CUP	15.3	1603	39,100 CUP
<b>25-06 REMINGTON</b> Barrel: 24"			Twist: 1:10" Trim: 2.484"			Case: Remington Primer: Remington 9 1/2		
100 GR. NOS PART	.257"	3.200"	13.4	1454	25,500 PSI	19.2	1712	30,600 PSI
<b>270 WINCHESTER</b> Barrel: 24"			Twist: 1:10" Trim: 2.530"			Case: Winchester Primer: Winchester LR		
130 GR. HDY SP	.277"	3.180"	14.0	1318	22,800 PSI	19.7	1537	27,100 PSI
<b>7mm-08 REMINGTON</b> Barrel: 24"			Twist: 1:9.5" Trim: 2.025"			Case: Remington Primer: Remington 9 1/2		
140 GR. SFT SP	.284"	2.750"	11.0	1211	36,200 CUP	16.0	1472	43,300 CUP
<b>7mm REMINGTON MAGNUM</b> Barrel: 24"			Twist: 1:9.5" Trim: 2.490"			Case: Winchester Primer: Winchester LR		
140 GR. NOS PART	.284"	3.250"	17.2	1405	21,400 PSI	24.5	1724	31,000 PSI
<b>308 WINCHESTER</b> Barrel: 24"			Twist: 1:12" Trim: 2.005"			Case: Winchester Primer: Federal 210M		
150 GR. NOS BT	.308"	2.800"	10.0	1176	25,800 PSI	14.0	1417	27,100 PSI
<b>30-06</b> Barrel: 24"			Twist: 1:10" Trim: 2.484"			Case: Winchester Primer: Winchester LR		
150 GR. NOS BT	.308"	3.250"	13.3	1061	14,700 PSI	19.0	1477	26,400 PSI
<b>300 WINCHESTER SHORT MAGNUM</b> Barrel: 24"			Twist: 1:10" Trim: 2.090"			Case: Winchester Primer: Winchester WLRM		
150 GR. SPR GSSP	.308"	2.780"	16.3	1473	26,400 PSI	23.3	1758	31,600 PSI
<b>300 WINCHESTER MAGNUM</b> Barrel: 24"			Twist: 1:10" Trim: 2.610"			Case: Winchester Primer: Winchester LR		
150 GR. SIE SP	.308"	3.340"	18.0	1302	18,400 PSI	25.5	1687	28,600 PSI
<b>375 H&amp;H MAGNUM</b> Barrel: 24"			Twist: 1:12" Trim: 2.840"			Case: Winchester Primer: Federal 215M		
235 GR. SPR SP	.375"	3.600"	19.0	1091		26.3	1144	
<b>416 REMINGTON MAGNUM</b> Barrel: 24"			Twist: 1:14" Trim: 2.840"			Case: Remington Primer: Remington 9 1/2M		
350 GR. SPR SP	.416"	3.590"	20.0	913	19,700 CUP	29.0	1143	29,900 CUP

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