Pet Loads By Blaine Nay www.30-30.org

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308 Winchester	
30-06 Springfield	
45-70	

See hand-loading safety guidelines on www.30-30.org. The user assumes all responsibility for safety. The author of this data rejects any and all responsibility for the use of this data. Bullet selections are specific, and loads are not valid with substitutions including different bullets of the same weight. Variations in bullet length will alter net case capacity, pressure and velocity. Primer selection is specific and primer types are not interchangeable. In some cases, these are maximum loads in my firearms and may easily be excessive in others. All loads should be reduced by 10% and developed following safe handloading practices as represented in established reloading manuals produced by component manufacturers. Presentation of these loads does not constitute a solicitation for their use, nor a recommendation.

7.62x25 Pet Loads ⁽¹⁾								
Bullet	Powder (Pet)	Velocity	Powder (Start)	Velocity	<u>Powder</u> (Max)	<u>Velocity</u>	<u>Min</u> OAL (<u>3,4)</u>	
85g JSP	7.9g Power	1550 fps					1.316 in.	
05 105	Pistol		4.0.4.4.40	1000 (0.5.4.4.40	10101	1.010	
85g JSP			4.2g AA#2	1330 fps	6.5g AA#2	1640 fps	1.316 in.	
85g JSP			5.8g AA#5	1185 fps	8.5g AA#5	1765 fps	1.316 in.	
85g JSP			7.0g AA#7	1420 fps	10.2g AA#/	1//5 fps	1.316 in.	
85g JSP			11.8g AA#9	1000 fr -	13.1g AA#9	1925 fps	1.316 in.	
85g JSP		1500 fra	3.3g Bullseye	1200 fps	5.0g Bullseye	1390 fps	1.316 In.	
85g JSP	6.6g Unique	1500 fps	5.8g Unique	1260 fps	6.0 g Unique	1290 fps	1.316 In.	
85g JSP			3.8g Win-231	1085 fps	4.2g Win-231		1.316 In.	
850 JSP			4.6g Win-540		6.6g WIN-540		1.316 In.	
850 JSP			4.4g V-IN340		5.90 V-IN340		1.316 In.	
000 JSP			5.00 800-X		7.0g 800-A		1.316 III.	
659 JSP			Clavs		Clavs		1.310 11.	
85g JSP			6.4g Blue Dot		7.3g Blue Dot		1.316 in.	
85g JSP			10.3g H-110		14.2g H-110		1.316 in.	
85g Lead RN	7.0g AA#7	1225 fps					1.316 in.	
85g Lead RN	7.5g AA#7	1280 fps					1.316 in.	
90g JSP	6.0g Univ Clavs	1380 fps					1.316 in.	
90g JSP			5.4g AA#2		6.0g AA#2	1640 fps	1.316 in.	
90g JSP			7.6g AA#5		8.5g AA#5	1680 fps	1.325 in.	
90g JSP	9.0g AA#7	1600 fps	9.0g AA#7		10.0g AA#7	1675 fps	1.316 in.	
90g JSP	12.5g AA#9	1800 fps	11.1g AA#9		12.3g AA#9	1780 fps	1.316 in.	
93g Lead RN ⁽²⁾	6.6g Unique						1.316 in.	
93g Lead RN ⁽²⁾			4.2g AA#2	1265 fps	4.7g AA#2		1.316 in.	
93g Lead RN ⁽²⁾			5.5g AA#5	1345 fps	6.2g AA#5		1.316 in.	
93g Lead RN ⁽²⁾			6.8g AA#7	1365 fps	7.5g AA#7		1.316 in.	
95g Lead SWC	7.0g AA#7	1070 fps					1.316 in.	
95g Lead SWC	7.5g AA#7	1200 fps					1.316 in.	
100g JSP		1	7.2g AA#5		8.0g AA#5	1625 fps	1.325 in.	
100g JSP			8.5g AA#7		9.5g AA#7	1650 fps	1.300 in.	
100g JSP			10.8g AA#9		12.0g AA#9	1750 fps	1.300 in.	
110g JSP			5.6g AA#2		6.2g AA#2	1445 fps	1.300 in.	
110g JSP			7.2g AA#5		8.0g AA#5	1570 fps	1.300 in.	
110g JSP	7.0g AA#7	1140 fps	8.5g AA#7		9.5g AA#7	1620 fps	1.300 in.	
110g JSP			10.5g AA#9		11.7g AA#9	1690 fps	1.300 in.	

					(4)					
7.62x25 Pet Loads ⁽¹⁾										
	www.30-30.org									
				© 23 Jun 2	2006					
								Min		
		Powder		Powder		Powder				
Bull	ot	(Pot)	Volocity	(Start)	Velocity	(Max)	Velocity	(3,4)		
<u>Dun</u>	σι	<u>(Fel)</u>	velocity	<u>(Start)</u>	velocity	<u>(IWAA)</u>	VEIDEILY			
Notes:										
1.	See h	hand-loading safe	ty guidelines on	www.30-30.org. ⁻	The user assum	es all responsibili	ty for safety. The	e author of		
	this d	lata rejects any ar	nd all responsibi	lity for the use of t	this data. Bullet	selections are sp	ecific, and loads	are not		
	valid	with substitutions	including differe	ent bullets of the s	ame weight. Va	riations in bullet le	enath will alter n	let case		
	cana	city, proceure and	I velocity Prime	r coloction is spec	ific and primer to	vnes are not inter	changeable. In	come		
	Capa	city, pressure and					ulla a da ala avidi			
	cases	s, these are maxir	num loads in m	y firearms and ma	y easily be exce	essive in others. A	All loads should I	be reduced		
	by 10)% and developed	t following safe I	handloading pract	ices as represer	nted in establishe	d reloading mar	iuals		
	produced by component manufacturers. Presentation of these loads does not constitute a solicitation for their use.									
	nor a	recommendation						,		
2	32 0	al Loo 93a load R	Ni sized to 300	calibor						
2.	.02 U	ai Lee Juy leau n	11 51260 10 .309	Calloci						

Max OAL: 1.377 in.
Case trim length: .988 in.

9mm Parabellum Pet Loads ⁽¹⁾ www.30-30.org © 23 Jun 2006								
Bullet	Powder (Pet)	Velocity	<u>Powder</u> (Start)	Velocity	<u>Powder</u> (Max)	Velocity	<u>Min</u> OAL	
90g Speer HP	5.0g Bullseye	1352 fps						
90g Hornady HP	5.0g Bullseye	1322 fps						
90g Sierra JHC	5.0g Bullseye	1324 fps						
115g Sierra HP	4.7g Bullseye	1203 fps						
115g Winchester SXT	4.7g Bullseye	1217 fps						
125g Speer SP	4.5g Bullseye	1101 fps						
Notes: 1. See hand this data valid with capacity, cases, the by 10% a produced nor a reco	-loading safety g rejects any and a substitutions inc pressure and ve ese are maximur nd developed fol by component n ommendation.	uidelines on wy all responsibility luding different locity. Primer se n loads in my fir lowing safe han nanufacturers. F	w.30-30.org. Th for the use of thi bullets of the sau election is specifi earms and may dloading practic Presentation of th	e user assumes s data. Bullet se ne weight. Varia c and primer typ easily be excess es as represent nese loads does	all responsibility elections are spe ations in bullet le bes are not interc sive in others. Al ed in established not constitute a	y for safety. The cific, and loads ngth will alter ne hangeable. In s I loads should b reloading man solicitation for t	e author of are not et case some he reduced uals heir use,	

308 Winchester Pet Loads ⁽¹⁾ www.30-30.org © 23 Jun 2006									
<u>Bullet</u>	<u>Powder</u> (Pet)	<u>Velocity</u>	<u>Powder</u> (Start)	<u>Velocity</u>	<u>Powder</u> (Max)	Velocity	Min OAL (2)		
160g Lead	26.0g H4198		22.0g H4198	1800 fps	35.0g H4198	2700 fps	2.550 in		
165g Lead	23.0g RL7	1800 fps	21.5g RL7	1820 fps	37.0g RL7	2595 fps	2.510 in		
165g Lead	24.0g RL7	1800 fps	21.5g RL7	1820 fps	37.0g RL7	2595 fps	2.510 in		
170g Lead	30.0g Varget	1800 fps							
175g Lead	30.5g Varget	2000 fps							
175g Lead	20.0g AA 5744	1720 fps							
180g Lead	37.0g H4895	2200 fps	28.2g H4895	1900 fps	39.0g H4895	2485 fps	2.790 in		
185g Lead	30.6g Varget	1840 fps		•		•			
190g Lead	30.5g Varget	1850 fps							
190g Lead	33.0 Varget	2000 fps							
190g Lead	25.5g H335	1800 fps	29.0g H335	1955 fps	43.0g H335	2500 fps	2.795 in		
195g Lead	24.0g H4198	1750 fps							
195g Lead	30.4g Varget	1685 fps							
195g Lead	19.0g IMR4227								
200g Lead	31.0g AA 2495	1800 fps							
200g Lead	30.0g Varget	1950 fps							
205g Lead	30.0g IMR4064	1950 fps	24.5g IMR4064	1645 fps	39.0g IMR4064	2460 fps	2.600 in		
205g Lead	28.5g H4895	1770 fps	23.5g H4895	1675 fps	38.0g H4895	2420 fps	2.600 in		
210g Lead	19.8g IMR4227	1715 fps							
210g Lead	28.0g Varget	1850 fps							
210g Lead	30.5g Varget	1900 fps							
Notes:									
1. See	e hand-loading sa	fety guidelines	on www.30-30.org.	The user assu	mes all responsibil	ity for safety. Th	e author of		

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2. Max OAL: 2.810 in.

30-06 Springfield Pet Loads ⁽¹⁾								
Bullet	Powder (Pet)	Velocity	Powder (Start)	Velocity	<u>Powder</u> (Max)	Velocity	Min OAL (2)	
150g Jacketed	46.0g IMR4895 ⁽³⁾	2475 fps						
150g Jacketed	48.0g IMR4895 ⁽³⁾	2590 fps						
150g	48g H4895 ⁽³⁾	2700 fps						
150g Jacketed	48.0g Varget	2600 fps						
150g Jacketed	47.0g IMR4064 ⁽³⁾	2585 fps						
155g Lead	20.0g RL7	1670 fps	23.0g RL7	1695 fps	37.0g RL7	2500 fps	2.930 in	
165g Lead	22.0g H4895	1415 fps						
170g Lead	40.0g RL19							
170g Lead	25.0g AA5744	1850 fps						
170g Lead	27.0g AA5744	1940 fps						
170g Lead	16.0g SR4759	1400 fps	20g SR4759	1650 fps	31.0g SR4759	2325 fps	3.000 in	
170g Lead	19.0g SR4759	1700 fps	20g SR4759	1650 fps	31.0g SR4759	2325 fps	3.000 in	
170g Lead	23.5a H4895	1500 fps	28.0g H4895	1705 fps	44.0a H4895	2505 fps	3.000 in	
175g Lead	18.0g SR4759	1670 fps	Ŭ		Ŭ			
175g Lead	12.5a Unique	1600 fps						
180g Lead	19.0g 2400	1700 fps						
180g Lead	20.0g	1900 fps						
180g Lead	28.0g H4395	1800 fps						
180g Lead	25.0g AA5744	1800 fps						
180g Lead	27.0g AA5744	1870 fps						
180g Lead	16.0g SR4759	1400 fps					1	
185g Lead	19.0g H4227	1600 fps	20.0g H4227	1570 fps	28.0a H4227	1975 fps	3.24 in	
190g Lead	25g AA-5744	1785 fps	Ŭ	1	Ŭ			
195g Lead	23.5g IMR4198	1850 fps						
195g Lead	17.0a SR4759	1600 fps						
200g Lead	28.5g H4895	1650 fps	29.5g H4895	1680 fps	42.0g H4895	2370 fps	3.100 in	
200g Lead	25.0g AA5744	1800 fps						
200g Lead	27.0g AA5744	1895 fps						
210g Lead	17.0g H4227	1350 fps	20.0g H4227	1575 fps	26.5g H4227	1865 fps	3.100 in	
210g Lead	17.0g AA5744	1275 fps						
220g Lead	25.8g VN130	1700 fps					1	

30-06 Springfield Pet Loads ⁽¹⁾ www.30-30.org © 23 Jun 2006									
Bullet	Powder (Pet)	Velocity	<u>Powder</u> (Start)	Velocity	<u>Powder</u> (Max)	Velocity	Min OAL 2		
Notes: 1. Se this val cap cas by pro noi	hand-loading safet data rejects any and d with substitutions i acity, pressure and es, these are maxim 0% and developed duced by componen a recommendation.	y guidelines on d all responsibil ncluding differe velocity. Primer uum loads in my following safe h t manufacturers	www.30-30.org. T ity for the use of th nt bullets of the sa selection is speci firearms and may andloading praction s. Presentation of the	he user assume his data. Bullet s ame weight. Var fic and primer ty v easily be exce ces as represen these loads doe	es all responsibilit selections are spe iations in bullet le vpes are not intere ssive in others. A ted in established is not constitute a	y for safety. The ecific, and loads ength will alter n changeable. In Il loads should I d reloading mar solicitation for	e author of are not let case some be reduced nuals their use,		
2. Ma	OAL: 3.340 in.								
3. Sa	e load for M1 Garan	d – use CCI-34	primers to avoid s	slam-fire					
4. AA	5744 required no fille	ers to give unifo	rm ballistics and n	neasures very u	niformly				

45-70 Pet Loads ^(1, 2) www.30-30.org © 23 Jun 2006									
<u>Bullet</u>	<u>Powder</u> (Pet)	<u>Velocity</u>	<u>Powder</u> (Start)	<u>Velocity</u>	<u>Powder</u> (Max)	<u>Velocity</u>	Min OAL (2)		
300g Lead			14.0g Trail Boss	1199 fps	16.5g Trail Boss	1285 fps	2.465		
300g Lead	20.0g Unique	1554 fps					2.500		
300g Lead	50.0g Reloder 7	2114 fps					2.500		
300g Lead	53.5g Reloder 7	2244 fps					2.500		
300g JHP	50.8g Reloder 7	2318 fps					2.540		
300g JHP	53.3g IMR 4198	2313 fps					2.540		
350g Lead	47.0g Reloder 7	1986 fps					2.525		
350g JHP	49.3g Reloder 7	2047 fps					2.540		
350g JHP	47.5g IMR 4198	2131 fps					2.540		
400g JHP	43.6g Reloder 7	1931 fps					2.540		
400g JHP	45.0g IMR 4198	1954 fps					2.540		
405g JHP	43.7g Reloder 7	1919 fps					2.540		
405g JHP	45.0g IMR 4198	1940 fps					2.540		
405g Lead	42.0g Reloder 7	1733 fps					2.540		
405g Lead			12.0g Trail Boss	971 fps	13.0g Trail Boss	1005 fps	2.540		

Notes:

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2. For use only in rifles with modern steel technology such as the late-model Marlin 1895 and the Ruger 1.