Pet Loads

By
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www.30-30.org

7.62x25 Pet Loads[1]

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Bullet	Powder (Pet)	Velocity	Powder (Start)	Velocity	Powder (Max)	Velocity	Min OAL [3,4]
85g JSP	7.9g Power Pistol	1550 fps					1.316 in.
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#7	1775 fps	1.316 in.
85g JSP			11.8g AA#9		13.1g AA#9	1925 fps	1.316 in.
85g JSP			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.
85g JSP			4.6g Win-540		6.6g Win-540		1.316 in.
85g JSP			4.4g V-N340		5.9g V-N340		1.316 in.
85g JSP			5.0g 800-X		7.0g 800-X		1.316 in.
85g JSP			4.5g Univ Clays		6.0g Univ Clays		1.316 in.
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 Clays	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			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.

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Notes:

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2. .32 cal Lee 93g lead RN sized to .309 caliber
3. Max OAL: 1.377 in.
4. Case trim length: .988 in.

9mm Parabellum Pet Loads[1]

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Bullet	Powder (Pet)	Velocity	Powder (Start)	Velocity	Powder (Max)	Velocity	Min OAL [2]
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					

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308 Winchester Pet Loads[1]

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Bullet	Powder (Pet)	Velocity	Powder (Start)	Velocity	Powder (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					

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2. Max OAL: 2.810 in.

30-06 Springfield Pet Loads[1]

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Bullet	Powder (Pet)	Velocity	Powder (Start)	Velocity	Powder (Max)	Velocity	Min OAL [2]
150g Jacketed	46.0g IMR4895 [3]	2475 fps					
150g Jacketed	48.0g IMR4895 [3]	2590 fps					
150g Jacketed	48g H4895 [3]	2700 fps					
150g Jacketed	48.0g Varget [3]	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 [4]	1850 fps					
170g Lead	27.0g AA5744 [4]	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	23.5g H4895	1500 fps	28.0g H4895	1705 fps	44.0g H4895	2505 fps	3.000 in
175g Lead	18.0g SR4759	1670 fps					
175g Lead	12.5g Unique	1600 fps					
180g Lead	19.0g 2400	1700 fps					
180g Lead	20.0g IMR4227	1900 fps					
180g Lead	28.0g H4395	1800 fps					
180g Lead	25.0g AA5744 [4]	1800 fps					
180g Lead	27.0g AA5744 [4]	1870 fps					
180g Lead	16.0g SR4759	1400 fps					
185g Lead	19.0g H4227	1600 fps	20.0g H4227	1570 fps	28.0g H4227	1975 fps	3.24 in
190g Lead	25g AA-5744	1785 fps					
195g Lead	23.5g IMR4198	1850 fps					
195g Lead	17.0g 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 [4]	1800 fps					
200g Lead	27.0g AA5744 [4]	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 [4]	1275 fps					
220g Lead	25.8g VN130	1700 fps					

30-06 Springfield Pet Loads[1]

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Bullet	Powder (Pet)	Velocity	Powder (Start)	Velocity	Powder (Max)	Velocity	Min OAL [2]

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2. Max OAL: 3.340 in.
3. Safe load for M1 Garand – use CCI-34 primers to avoid slam-fire
4. AA5744 required no fillers to give uniform ballistics and measures very uniformly

45-70 Pet Loads[1, 2]

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Bullet	Powder (Pet)	Velocity	Powder (Start)	Velocity	Powder (Max)	Velocity	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

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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.