

Bullet Index: 313-150	Nose Profile: RF	Designer: RDO	Load Notes For: 7.62x39	Bullet Notes: NOE Group Buy
---------------------------------	----------------------------	-------------------------	-----------------------------------	---------------------------------------

Pressure Data Generated for Min OAL	Cartridge Data							Bullet Data										
	Brass Length		Cartridge OAL		Primer	Pressure Limits		Top Band	Wgt (grns)		Length w/draft		Nose		Ballistics		Gas Check #	
	Min	Max	Min	Max	Large Rifle	NMP	Pmax		GC	PB	GC	PB	length	Draft	BC	SD	Gator	Hornady
	1.523	1.528	2.081	2.117	Rifle	42.7	48.0	.313	152	149	.821	.804	.552	.006	.221	.221	308284	7070

This data is based on a 20" barrel. Pressure does not change, only velocity!			
Barrel Length (inches)	16	18	22
Velocity Adjustment (%) Estimate	96%	98%	102%

Load Notes:
Revision was for powder list and charges.

Revision:	3
Date:	03/30/15

Notes for NOE's and RDO's use only! ~ Any other use is at your own risk! ~ Start loads at least 10% below Max!

[Read Pressure Notes for alloy treatment and pressure selections!](#)

Minimum Barrel Length is based on the referenced powder's ability to burn at least 80% of the charge before the bullet leaves the muzzle.

Powder	Min Barrel Length	25K PSI				30K PSI				35K PSI				Pmax				
		Grains	Case %	Burn %	FPS	Grains	Case %	Burn %	FPS	Grains	Case %	Burn %	FPS	Grains	Case %	Burn %	FPS	KPSI
Accurate 1680	16	19.5	67	87	1732	21.0	71	90	1851	22.2	76	93	1954	24.9	85	97	2163	42.7
Accurate 2015	16	22.8	85	89	1809	24.2	90	93	1924	25.4	95	95	2024	28.0	104	98	2225	42.7
Accurate 2230	16	24.8	82	81	1785	26.3	86	85	1901	27.5	90	88	2001	30.0	99	92	2204	42.7
Accurate 2460	16	25.5	84	81	1799	27.0	89	85	1915	28.2	93	88	2016	30.7	102	93	2220	42.7
Accurate 2495	16	26.1	95	89	1901	27.4	100	93	2018	28.5	104	95	2117	28.9	105	95	2146	32.6
Accurate 2520	16	26.6	90	82	1825	28.1	95	86	1949	29.4	99	89	2056	31.1	105	92	2201	38.7
Accurate 4064	16	27.5	100	85	1877	28.9	105	89	1995	28.9	105	89	1995	28.9	105	89	1995	26.6
Accurate 5744	16	16.1	60	92	1713	17.4	65	94	1832	18.6	69	96	1937	21.2	79	99	2151	42.7
Alliant AR-Comp	16	23.7	87	91	1834	25.2	93	95	1962	26.5	98	97	2072	28.5	105	99	2237	39.7
Alliant Reloder-10x	16	21.4	81	91	1814	22.8	86	94	1931	24.1	91	96	2032	26.6	101	99	2237	42.7
Alliant Reloder-15	16									28.7	102	82	2017	29.5	105	84	2085	34.4
Alliant Reloder-7	16	19.9	73	91	1760	21.3	78	94	1877	22.6	83	96	1978	25.2	93	99	2181	42.7
Hodgdon Benchmark	16	22.5	81	80	1731	24.1	87	84	1849	25.4	92	87	1953	28.2	102	92	2165	42.7
Hodgdon BL-C2	16					28.4	93	82	1921	29.8	97	85	2031	32.2	105	90	2226	41.3
Hodgdon CFE223	16									29.8	95	82	2001	32.6	104	88	2224	42.7
Hodgdon H322	16	22.5	83	85	1786	24.1	88	88	1911	25.4	93	91	2018	28.0	103	96	2235	42.7
Hodgdon H335	16	24.1	79	83	1788	25.7	84	87	1911	27.1	88	90	2019	29.8	97	95	2235	42.7
Hodgdon H380	20													30.1	105	80	2020	32.3
Hodgdon H4198	16	19.1	73	85	1704	20.6	78	88	1822	21.9	83	91	1926	24.6	93	95	2137	42.7
Hodgdon H4895	16					26.1	93	81	1911	27.4	98	85	2019	29.5	105	89	2187	39.8
Hodgdon Lil'Gun	16	16.5	57	100	1766	17.8	61	100										
Hodgdon VARGET	16									27.6	102	81	1961	28.5	105	83	2031	34.5
IMR 3031	16	24.1	92	85	1826	25.6	97	89	1954	26.9	103	92	2066	27.6	105	93	2120	33.7
IMR 4064	16									27.4	103	82	1970	27.9	105	83	2005	32.8
IMR 4198	16	19.1	76	91	1756	20.6	82	94	1877	21.9	87	97	1980	24.6	98	99	2189	42.7
IMR 4227	16	17.2	67	94	1719	18.5	72	96	1833	19.7	77	98	1933					
IMR 4320	16									28.0	101	81	1960	29.0	105	83	2039	35.0
IMR 4895	16									28.5	101	83	2032	29.5	105	86	2115	35.1
IMR 8208 XBR	16					25.3	90	83	1883	26.6	95	86	1989	29.4	105	91	2204	42.7
Norma 200	16	21.5	78	92	1811	22.9	83	95	1927	24.1	88	97	2029	26.7	97	99	2230	42.7
Norma 201	16					26.0	95	83	1900	27.3	99	86	2004	28.9	105	89	2129	37.6
Norma 202	16	24.5	89	83	1801	26.0	94	87	1924	27.4	99	90	2030	29.0	105	93	2164	38.0
Norma 203B	16									28.9	103	83	2022	29.5	105	85	2074	33.6
Ramshot Big Game	16									30.2	101	80	1987	31.4	105	83	2085	35.9
Ramshot TAC	16					26.8	88	80	1885	28.2	93	83	1993	31.0	102	89	2209	42.7
Ramshot Wild Boar	16									28.7	96	83	1995	31.5	105	88	2213	42.7
Ramshot X-Terminator	16	23.2	77	85	1786	24.8	83	88	1908	26.1	87	91	2013	28.9	96	96	2223	42.7
Vihtavuori N110	16	15.0	63	100	1708	16.2	68	100	1810	17.3	73	100	1898	19.7	83	100	2073	42.7
Vihtavuori N120	16	19.5	76	97	1783	20.9	82	99	1895	22.2	86	100	1990	24.7	96	100	2176	42.7
Vihtavuori N130	16	21.5	82	90	1767	22.9	87	93	1881	24.2	92	95	1981	26.8	102	98	2181	42.7
Vihtavuori N133	16	22.4	87	88	1761	24.0	93	91	1879	25.3	98	94	1981	27.0	105	96	2112	38.1
Vihtavuori N135	16	25.1	98	87	1812	26.6	104	90	1935	26.7	105	91	1948	26.7	105	91	1948	27.2
Vihtavuori N140	16	24.8	90	83	1777	26.4	96	87	1899	27.7	101	90	2004	28.9	105	93	2100	35.9
Vihtavuori N150	20					27.8	105	81	1842	27.8	105	81	1842	27.8	105	81	1842	25.0
Vihtavuori N530	16					25.1	89	83	1895	26.4	93	86	2001	29.0	103	91	2215	42.7
Vihtavuori N540	16	25.7	91	83	1792	27.3	96	86	1915	28.7	101	89	2021	29.8	105	92	2110	35.5
Winchester 748	16					26.9	89	83	1910	28.3	93	86	2021	31.0	103	92	2243	42.7