

ANNMIO

### Exterior Ballistic Data for British Centerfire Rifle Cartridges

Cartridge	Case length inches	Bullet weight (grs.)	Powder weight (grs.)	Velocity (ft./sec.)			Energy (ft.-lb.)			Drop (in.) †	
				Muzzle	100 yd.	200 yd.	Muzzle	100 yd.	200 yd.	100 yd.	200 yd.
*297/230 (Morris) Short	3/4	37L	1 1/4 RN	875	720		63	43		15.0	
*297/230 (Morris) Long	3/4	37L	2 1/4 CN	1200	920	760	120	70	48	15.0	71.0
p240 H&H Apex Flanged	2 1/2	100CP	38 1/2 NC	2800	2570	2355	1740	1470	1230	2.3	10.0
240 Belted Rimless	2 1/2	100CP	40 1/2 NC	2900	2665	2445	1870	1580	1330	2.2	9.2
*242 Rimless Nitro Exp.	2 3/4	100CP	42 NC	3000	2740	2490	1970	1635	1355	2.0	8.6
244 H&H Magnum (Belted)	2 3/4	100CP		3500	3230	2970	2725	2320	1980	1.6	5.1
297/250 Rook Rifle	1 3/4	56L	3 CN	1150	940	805	165	110	80	15.5	70.0
256 (6.5mm) Mannlicher	2 1/2	160SN	36 NC	2350	2045	1765	1960	1490	1110	3.4	15.5
6.5mm Mann.-Schon.	2 1/2	160SN	36 NC	2300	2000	1725	1880	1420	1060	3.6	16.0
275 H&H Magnum (Belted)	2 1/2	160CP	52 NC	2700	2505	2320	2600	2230	1920	2.5	10.5
275 High Velocity (7mm)	2 1/4	140CP	48 NC	2900	2705	2515	2620	2280	1970	2.2	9.0
276 (7mm) Mauser	2 1/4	173SN	38 NC	2300	2015	1765	2040	1560	1200	3.9	16.0
p7mm H&H Magnum Flanged	2 1/2	140CP		2650	2450		2184	1867			
*280 Flanged Nitro Exp.	2 3/4	140CP	52 NC	2800	2570	2355	2440	2060	1730	2.3	10.0
*280 Flanged Nitro Exp.	2 3/4	160HP	52 NC	2600	2300	2020	2400	1880	1450	2.8	12.0
280 Ross Rimless Nitro	2 3/4	140CP	54 NC	2900	2665	2445	2620	2210	1860	2.2	9.0
280 Ross Rimless Nitro		160HP	54 NC	2700	2395	2110	2600	2040	1580	2.6	11.5
*280 Jeffery Rimless	2 1/2	140CP	57 NC	3000	2870	2735	2800	2555	2390	2.1	10.0
300 (.295) Rook Rifle	1 1/4	80L	4 1/2 CN	1100	915	785	215	150	110	16.5	75.0
300 Sherwood	1 1/2	140L	8 1/2 CN	1400	1195	1060	610	445	350	9.9	44.0
300 H&H Magnum Belted	2 3/4	150SN	58 C	3000	2660	2350	3000	2360	1835	2.2	9.8
or (30 Super Magnum)		180SN	55 C	2750	2430	2130	3020	2360	1815	2.8	12.5
or (30 Super Magnum)		220SN	49 C	2300	2045	1810	2115	1675	1305	3.9	17.0
p30 Super Flanged H&H	2 3/4	150SN	55 C	2875	2581		2755	2225			
p30 Super Flanged H&H		180SN	50 C	2575	2309		2653	2131			
p30 Super Flanged H&H		220SN	46 C	2250	2045		2475	2045			
*30 Purdey Flanged Nitro	2 3/4	150SN		2700	2385	2090	2430	1900	1460	2.6	11.5
303 British (Mark 6)	2 1/4	215S	31 C	2050	1855	1670	2010	1650	1330	4.4	19.0
303 British (Mark 7)	2 1/4	174S	37 C	2450	2250	2055	2320	1960	1640	3.0	13.0
303 British	2 1/4	150CP	38 C	2700	2465	2240	2440	2030	1680	2.5	11.0
303 British	2 1/4	174SN	41 NC	2450	2195	1955	2315	1870	1480	3.1	13.5
303 British	2 1/4	215SN	31 C	2050	1790	1555	2010	1530	1160	4.6	20.0
310 Cadet	1 1/4	120L	6 CN	1200	1010	890	385	270	210	14.0	62.0
318 Rimless Nitro Exp.	2 3/4	180CP	55 NC	2700	2395	2110	2920	2300	1780	2.6	11.5
318 Rimless Nitro Exp.		250SN	52 NC	2400	2040	1715	3200	2320	1640	3.3	15.0
333 Rimless Nitro Exp.	2 3/4	300SN	65 NC	2200	1960	1720	3230	2540	1980	3.9	17.0
*400/350 Nitro Exp.	2 3/4	310SN	43 NC	2000	1795	1610	2760	2220	1790	4.7	20.0
350 Rigby Magnum Rimless	2 3/4	225SN	65 NC	2625	2307		3440	2657			
350 No. 2 Rigby Flanged	2 3/4	225SN		2600			3400				
*360 Nitro Exp. Flanged	2 1/4	300SN	30 C	1650	1490	1355	1820	1480	1210	6.9	29.0
*360 Nitro for Black Powd.	2 1/4	190CT	22 C	1650	1285	1070	1150	700	485	7.6	36.0
o400/360 Purdey Flanged	2 3/4	300SN	40 C	1950	1776		2537	2102			
o400/360 Westley Richards	2 3/4	314SN	41 C	1900	1724		2520	2072			
o360 No. 2 Nitro Exp.	3	320SN	55 C	2200	1999		3442	2845			
*369 Purdey Nitro Exp.	2 3/4	270SN	64 1/2 NC	2500	2135	1800	3760	2740	1950	3.1	14.0
375 Flanged Nitro Exp.	2 1/2	270SN	40 C	2000	1735	1405	2400	1810	1190	4.9	22.0
o375 Rimless W.R. Nitro	2 1/4	270SN	43 C	2100	1870		2640	2100			
375 Flanged Magnum Nitro	2 3/4	270SN	59 C	2600	2280	1980	4060	3120	2360	2.8	12.5
375 Flanged Magnum Nitro		300SN	56 C	2400	2105	1825	3850	2960	2220	3.3	14.5
375 Belted H&H Magnum	2 1/2	235CP	62 C	2800	2495	2215	4100	3260	2560	2.4	10.5
375 Belted H&H Magnum		270SN	61 C	2650	2325	2020	4220	3250	2450	2.9	12.0
375 Belted H&H Magnum		300SN	58 C	2500	2200	1915	4170	3230	2450	3.0	13.5
450/400 Nitro Exp.	3	400SN	60 C	2100	1845	1610	3920	3030	2310	4.3	19.0
450/400 Magnum Nitro Exp.	3 1/4	400SN	60 C	2150	1890	1650	4110	3180	2420	4.1	18.0
404 Jeffery Rimless	2 3/4	400SN	60 C	2125	1885	1670	4020	3160	2480	4.2	18.0
p416 Rigby Magnum	2 3/4	410SN	71 C	2371	2110		5100				
p425 Westley Richards	2 3/4	410SN		2350			5010				
450 Nitro Exp.	3 1/4	480SN	70 C	2150	1900	1665	4930	3860	2960	4.1	18.0
*500/450 Magnum Nitro Exp.	3 1/4	480SN	75 C	2175	1987		5050	4220			
*450 No. 2 Nitro Exp.	3 1/2	480SN	80 C	2175	1904		5050	3900			
o450 Black Powder Exp.	3 1/4	310L	120Bik	1800	1510		2240	1570			
o450 Nitro for B.P. Exp.	3 1/4	365CT	52 C	2100	1809		3578	2655			
577/450 Martini-Henry	2 1/4	480L	38 1/2 C	1350	1210	1110	1950	1560	1320	10.0	44.0
577/450 Martini-Henry B.P.	2 1/4	480L	85 Bik	1350	1210	1110	1950	1560	1320	10.0	44.0
465 H&H Nitro Exp.	3 1/4	480SN	73 C	2150	1830	1620	4930	3580	2800	4.1	18.5
470 Nitro Exp.	3 1/4	500SN	75 C	2150	1890	1650	5140	3980	3030	4.1	18.0
*475 Nitro Exp.	3 1/4	480SN	75 C	2175	2000	1830	5040	4260	3580	4.2	18.0
*475 No. 2 Nitro Exp.	3 1/2	480SN	85 C	2200	1925	1680	5170	3960	3020	3.9	17.0
*475 No. 2 Jeffery	3 1/2	500SN	85 C	2150	1880	1635	5140	3930	2970	4.1	18.0
*476 Nitro Exp.	3	520SN	75 C	2100	1925	1760	5085	4295	3585	4.6	20.0
500 Nitro Exp.	3	570SN	80 C	2150	1890	1650	5850	4530	3450	4.1	18.0
*500 Nitro for B.P. Exp.	3	440CT	55 C	1900	1570	1290	3530	2410	1630	5.5	25.0
o500 Black Powder Exp.	3	340CT	136 Bik	1925	1585		2800	1900			
p500 Jeffery Rimless		535SN	95 C	2400			6800				
p505 Gibbs Rimless Magnum		525SN	90 C	2300			6180				
577 Solid Snider	1 3/4	480L	70 Bik	1250	1055	940	1670	1190	940	13.0	57.0
r577 Nitro Exp.	3	750SN	100 C	2050	1795	1570	2010	5380	4110	4.5	20.0
o600 Nitro Exp.	3	900SN	110 C	1950	1650	1390	2600	5450	3870	5.1	23.0

† Drop is computed from horizontal line of departure for the bullet.  
 \* Available while stocks last; will then become obsolete.  
 o Obsolete; no longer available.  
 r Re-introduced and again available.  
 p Proprietary Cartridge; available only from specific maker.

BB or Bik—Black Powder  
 C—Cordite  
 CP—Copper Point  
 CN—Copper Tube  
 NC—Nitro-Cellulose  
 L—Lead  
 HP—Hollow Point  
 J—Solid (Jacketed)



