



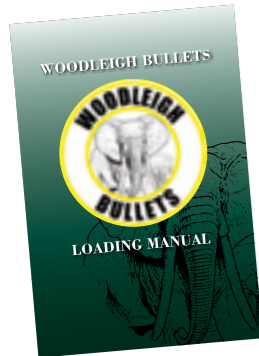
WOODPILEIGH BULLETTS

2017

WOODLEIGH BULLETS

Merchandise and Bullet Features

MERCHANDISE



Woodleigh Loading Manual

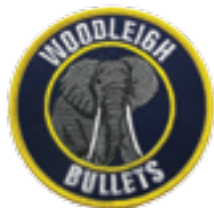
Woodleigh Bullets Loading Manual
Comprehensive guide 350 + pages
with loading data for American,
European, British and Double
Rifle cartridges plus the history of
Woodleigh Bullets and Hydrostatically
Stabilised bullets.
Compiled by Geoff McDonald,
Graeme Wright and Hans Bossert.



Woodleigh Bullets Caps available in red, black, cammo, navy blue and fluoro orange.



Polo shirts available in black, red, navy and burgundy



Cloth Badges



Drink Holder



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Front Cover



Mr. Graham Williams and Sambar shot with Sako 3006 and the 180gr PPSN.

Back Cover



Top Left : Mr. Geoff McDonald and friend Clive Conolly and Elephant shot with Custom 530 Woodleigh and 750gr FMJ. Hunt guided by MJK Safaris.

Top Middle : Mr. Max King and Barbary Ram shot with his 300 Win mag using the 180gr PPSN.



Top Right : Mr. Mick Goold and junior with Banteng shot with Husqvama 358 Norma Magnum and 250 grain RNSN.

Bottom Left : Mr. Andrew Hepner and Buffalo shot with John Rigby 500 3 1/4" light cordite, 440 grain RN SN and Mr. Graham Williams of Australian Buffalo Hunters with William Evans 500 NE 3" 570 grain RN SN & FMJ.

WOODLEIGH BULLETS

Recommended Usage

Recommended Impact Velocities

Woodleigh have recommended impact velocities for all our soft nose bullets. These are listed on our website and printed on the bullet boxes. We recommend a range of impact velocities for each bullet which will give reliable expansion and optimum retained weight. These recommended impact velocities were arrived at after exhaustive field testing on various game. If loading to higher than the recommended velocity you may still get excellent results but it is our experience that driving the bullet within our ranges will give a more predictable result.

Loading Tips - Soft Nose

As a general rule Woodleigh RN and PP bullets generate similar pressures to conventionally constructed soft nose bullets. You can use published data from other bullet and powder manufacturers. For safety, reduce by 5% and work up. Ensure that the case neck has a good grip on the bullet.



Left : Mr. Anthony George and Boar shot with his Winchester M70 Featherweight 416 Ruger and the 400gr RNSN.



Right : Mr. Andy Mallan and Red Hartebeest shot with Merkel 9.3 x 74 and the 286gr PPSN.

Protected Point Soft Nose

Very popular all round bullet to suit a variety of conditions. The higher ballistic coefficient bullet design has all the excellent qualities of typical Woodleigh Bullets which are highly regarded by serious game hunters. Internal grooves at the nose section strategically weaken the front jacket area for consistent controlled expansion in bullets 6.5mm to 8mm. The small flat nose with minimal lead showing will not deform under recoil in the magazine of bolt action rifles.



Left : Mr. Neale Chandler and Fallow Buck shot with his 8 x 68s and the 200gr PPSN.

Right : Mr. Doug Reiter and Red Hartebeest shot with Blaser R8 in 7mm Remington Magnum and the 160gr PPSN.



Weldcore Soft Nose

Using our jackets, deep drawn from 90/10 gilding metal with internal profiling for controlled expansion, combined with our bonded core process ensures reliable lethality over a broad velocity range.

All Woodleigh expanding bullets use pure lead core material for consistent expansion.



Left : Mr. Brian Drake and Wyoming Mule Deer shot with his Winchester Model 1895 30-03 Govt. and the 220gr RNSN.



Right : Mr. Jon Moodie and bush pig shot with 9.3 x 62mm Sauer 202 using the 286gr PPSN.

Full Metal Jacket

The most heavily constructed steel jacketed solids available. Made from extra deep drawing grade steel, clad with 90/10 gilding metal alloy. The jacket is heavy at the nose (0.084") to create extra impact resistance. The base of the bullet is rolled back 90 degrees to provide a double strength heel to prevent core loss on impact.

Woodleigh is the only company worldwide that manufacture a comprehensive range of FMJ bullets suitable for dangerous game.

Loading Tips - Full Metal Jacket

Woodleigh steel jacketed FMJ's generate more pressure than our soft nose bullets for any given load. To assist the barrel's lead to engrave the rifling on the bullet, most Woodleigh FMJ's are .0005" to .001" under nominal diameter. It is important for the case neck to have a good grip on the bullets, especially when loading for dangerous game. Factors which affect the grip are:- Bullet diameter and inside neck diameter. Inside neck diameter is a product of case neck wall thickness, die neck diameter and neck plug diameter. As a general rule, start with a charge 5% below that used for soft nose bullets, and work up.



Mr. Bryan Betton and Giraffe shot with Verney Carron 500NE and the 570 RNSN.

WOODLEIGH BULLETS

Recommended Usage

Plains Game

For animals over 50Kg (110lb) use calibres from 6.5mm upwards. Our recommendation is to use 150gr in 270, 160gr in 7mm, 180gr - 220gr in 30 cal, 225gr in 338.

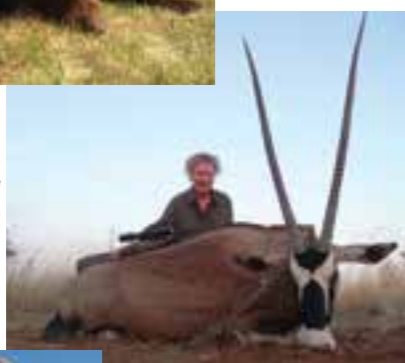
Large Thin Skinned Game

Eland, Kudu, Moose, Elk, Bears

Use medium calibres from 338 upwards. We recommend 250-300gr in 338, 286gr-320gr in 9.3mm, & 300gr in 375.



Left : Mr. Louis Baum and Bear shot with his Heym Double Rifle in 9.3 x 74R using the 286gr RNSN.



Right : Mrs. Margie Mallan and Oryx shot with Merkel KR1 in 6.5 x 55 and the 140gr PPSN.



Left : Mr. Tim Blackwell and Springbok shot with 30/06 and the 180gr PPSN.



Right : Mr. James Barclay and Columbian Mule Deer shot with 300 Weatherby and the 150gr PPSN.

Dangerous Thin Skinned Game - Cats

Use good quality soft nose bullets, medium calibres (375) upwards. Large male lions have heavy muscles, again, don't get carried away with light bullet and high velocity. Use a standard calibre (375 300gr or 416 410gr) weight soft nose bullet, or heavier preferably RN type. Woodleigh RN give rapid, controlled expansion and are eminently suitable for this type of game.

The PP's, although a little slower in expanding are also an excellent choice, especially if one bullet is chosen for all round use.

Large Dangerous Game

Elephant, Buffalo, Hippo, Rhino

Use the most powerful cartridge you can shoot confidently, and comfortably handle. For elephant, only use high quality solid bullets for all shots.

For those who prefer homogenous or monolithic solids, we now offer our Hydrostatically Stabilised solid in most popular calibres.

These deliver high shock and excellent deep straight line penetration.

For other heavy dangerous game, we recommend and have proven from much experience, the use of a soft nose bullet for the first shot, followed by solids if needed. Use the heaviest bullets available for your chosen cartridges. Heavy bullets are much more reliable at moderate velocity than light bullets at high velocity.

Good quality solids are essential for second and subsequent shots on other heavy dangerous game. In the case of buffalo the bullet may have to penetrate rear end muscles (which will stop most soft nose) and the large grass packed stomach or rumen bag, to finally reach the vitals of the chest cavity.

Similarly, a rear raking shot will necessitate the bullet penetrating the stomach or rumen bag before reaching the vitals. No soft point made can be relied on to penetrate sufficiently for a successful rear end or raking shot. Also, head or spine shots on a charging animal are very risky. Only good quality solids can be relied on for this, such as Woodleigh steel clad FMJ bullets and Hydrostatically Stabilised solid bullets.



Above : Mr. Wayne Donnell and Buffalo shot with 338RUM and the 300gr RNSN and finished with 225gr hydro.

Below : Mr. Steve Hawkins and Warthog shot with 375 H+H M70 Winchester and the 270gr PPSN. Hunt guided by Kowas Hunting Safaris.



HYDROSTATICALLY STABILISED BULLETS

Not recommended for herd situations due to likely shoot through

Woodleigh Hydrostatically Stabilised bullet. Generally accepted as the seventh generation in bullets by virtue of the fact that it incorporates all the best characteristics of both modern solids and expanding bullets.

Unequalled straight-line performance. Deep reliable penetration. Large consistent wound channel. Environmentally sensitive construction.

Suitable for game the size of deer through to elephant, this bullet has no peer when hunting in heavy brush. Game can be reliably taken from any angle. Provided the game's vital organs are in your line of sight, you can rest assured that the bullet will reach and destroy them resulting in a humane kill when using a cartridge that is suited for the game being hunted.

As this bullet does not rely on expansion for its killing effect, it side steps the problem of erratic expansion suffered by some other types of expanding monometal bullets.



Another desirable feature is the shallow driving bands and full diameter body.

The driving bands combined with the materials used, keep pressures low and minimise stresses on barrels.































In line with good practise when using this type of bullet in magazine rifles we strongly recommend that all ammunition is cycled through the magazine to ensure that feeding is reliable prior to going on a hunt. If you have a feeding problem, try changing the seating depth.

Loading Tip - Hydrostatically Stabilised bullets generate similar pressure to conventional soft nose bullets. However in keeping with safe loading practice always reduce powder charge by 2 grains then work up.

































Above : Mr. Chris Jauffret and Buffalo shot with a Verney Carron Azur in 375 flanged using the 300gr hydro.


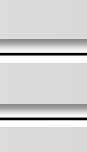
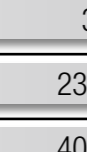
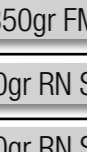
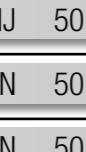
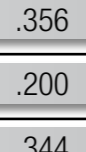

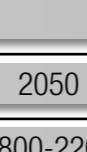
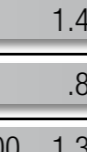
















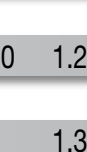

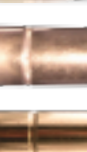


WOODLEIGH BULLETS

Cat. No.	Calibre	No./Box	SD	BC	Rec. Impact Vel. (fps)	Length inches	
80	6.5mm .264"	140gr PP SN	50	.287	.444	2000-3000	1.240 
80A		160gr PP SN	50	.328	.509	2000-3000	1.381 
80B		160gr RN SN	50	.328	.285	2000-2800	1.250 
72	270 Win .277"	130gr PP SN	50	.242	.409	2000-3000	1.087 
73		150gr PP SN	50	.279	.463	2000-3000	1.209 
73A		180gr PP SN	50	.334	.513	2000-3000	1.391 
74	7mm .284"	140gr PP SN	50	.248	.436	2000-3000	1.112 
75		160gr PP SN	50	.283	.486	2000-3000	1.232 
76		175gr PP SN	50	.310	.510	2000-3000	1.314 
77	275 H&H .287"	160gr PP SN	50	.277	.474	2000-3000	1.223 
78		175gr PP SN	50	.304	.509	2000-3000	1.310 
65I	308 Cal .308"	130gr PP SN	50	.189	.302	2000-3000	.902 
65F		150gr PP SN	50	.226	.310	2000-2900	1.043 
65A		165gr PP SN	50	.248	.320	2000-2900	1.080 
65B		180gr PP SN	50	.271	.376	2000-2900	1.153 
65C		220gr RN SN	50	.331	.367	2000-2400	1.275 
65		220gr FMJ	50	.331	.359		1.388 
65G	30/06 .308"	240gr PP SN	50	.361	.401	2000-2400	1.428 
65H	30-30 .308"	150gr FN SN	50	.226	.246	2000-2400	.916 
65D	300 MAG .308"	180gr PP SN	50	.271	.435	2000-3000	1.220 
65E		200gr PP SN	50	.301	.450	2000-2900	1.278 
68A	303 British .312"	174gr PP SN	50	.255	.362	2000-2600	1.098 
68		215gr RN SN	50	.316	.359	2000-2200	1.235 
68B	303/7.62mm x 39mm .312"	130gr PP SN	50	.180	.295	2000-3000	.914 
64B	8mm .323"	196gr RN SN	50	.268	.315	2000-2700	1.128 
64C		220gr RN SN	50	.301	.355	2000-2700	1.233 
64D		250gr RN SN	50	.343	.403	2000-2700	1.356 
64F	325 WIN (8mm) .323"	200gr PP SN	50	.274	.406	2000-2900	1.240 
64G		220gr PP SN	50	.301	.448	2000-2900	1.330 
64E	8 x 57 I .318"	200gr RN SN	50	.283	.331	2000-2700	1.152 

WOODLEIGH BULLETS

Cat. No.	Calibre	No./Box	SD	BC	Rec. Impact Vel. (fps)	Length inches	
63	318 Westly Rich. .330"	250gr RN SN	50	.328	.365	2000-2500	1.302 
64		250gr FMJ	50	.328	.364		1.419 
60	333 Jeffery .333"	250gr RN SN	50	.322	.335	2000-2500	1.244 
61		300gr RN SN	50	.386	.418	2000-2500	1.459 
62		300gr FMJ	50	.386	.418		1.577 
56C	338 Fed 338/06 .338"	180gr PP SN	50	.226	.361	2000-2900	1.033 
56D		200gr PP SN	50	.251	.401	2000-2900	1.113 
56E	33 Win .338"	200gr FN SN	50	.246	.234	2000-2200	1.035 
56A	338 Mag .338"	225gr PP SN	50	.281	.425	2000-2900	1.189 
56		250gr RN SN	50	.313	.290	2000-2500	1.226 
56B		250gr PP SN	50	.313	.431	2000-2500	1.288 
57		250gr FMJ	50	.313	.326		1.334 
58		300gr RN SN	50	.375	.341	2000-2500	1.430 
59		300gr FMJ	50	.375	.340		1.558 
348	348 Win .348"	250gr FN SN	50	.295	.281	2000-2500	1.161 
51	358 Cal .358"	225gr RN SN	50	.251	.263	2000-2500	1.043 
51A		225gr PP SN	50	.251	.372	2000-2600	1.131 
52		225gr FMJ	50	.251	.263		1.090 
53		250gr RN SN	50	.279	.300	2000-2500	1.125 
53A		250gr PP SN	50	.279	.400	2000-2600	1.219 
53B		275gr PP SN	50	.307	.450	2000-2600	1.312 
54		310gr RN SN	50	.346	.458	2000-2200	1.352 
55		310gr FMJ	50	.346	.458		1.443 
47D	9.3 Cal .366"	232gr PP SN	50	.246	.307	2000-2700	1.160 
47A		250gr RN SN	50	.267	.281	2000-2400	1.083 
47C		250gr PP SN	50	.267	.381	2000-2700	1.210 
47		286gr RN SN	50	.305	.321	2000-2400	1.209 
47B		286gr PP SN	50	.305	.396	2000-2600	1.323 
48		286gr FMJ	50	.305	.305		1.273 
49		320gr RN SN	50	.341	.359	2000-2200	1.323 
49A		320gr PP SN	50	.341	.457	2000-2600	1.441






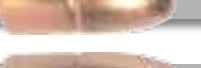














WOODLEIGH BULLETS

Cat. No.	Calibre	No./Box	SD	BC	Rec. Impact Vel. (fps)	Length inches		
50	9.3 Cal .366"	320gr FMJ	50	.341	.341	1.412		
42A	375 Mag .375"	235gr PP SN	50	.239	.310	1900-2800	1.013	
42		270gr RN SN	50	.274	.250	1900-2400	1.088	
43A		270gr PP SN	50	.274	.370	1900-2700	1.130	
44HD	Heavy Duty	300gr RN SN	50	.305	.277	1900-2550	1.218	
44		300gr RN SN	50	.305	.277	1900-2400	1.184	
45A		300gr PP SN	50	.305	.380	1900-2600	1.232	
46		300gr FMJ	50	.305	.275		1.253	
46BHD	Heavy Duty	350gr RN SN	50	.356	.323	1900-2500	1.378	
46C		350gr PP SN	50	.356	.400	1900-2500	1.408	
46D		350gr FMJ	50	.356	.307		1.447	
81	400 Purdey .405"	230gr RN SN	50	.200	.181	2050	.810	
40A	450/400 Nitro .408"	400gr RN SN	50	.344	.307	1800-2200	1.308	
40	.411"	400gr RN SN	50	.338	.307	1800-2200	1.298	
40B	450/400 3" .410"	400gr RN SN	50	.338	.307	1800-2200	1.305	
41A	.408"	400gr FMJ	50	.344	.300		1.412	
41	.410"	400gr FMJ	50	.338	.300		1.412	
71	405 Win .412"	300gr RN SN	50	.252	.194	1800-2200	0.985	
39	416 Rigby .416"	340gr PP SN	50	.281	.330	1900-2600	1.197	
37A		410gr RN SN	50	.338	.307	1900-2400	1.334	
38		410gr FMJ	50	.338	.300		1.399	
37B		450gr RN SN	50	.371	.338	1900-2400	1.437	
38B		450gr FMJ	50	.371	.330		1.510	
37C	416 Remington .416"	400gr RN SN	50	.330	.305	1900-2400	1.303	
38C		400gr FMJ	50	.330	.300		1.370	
37N		450gr RN SN	50	.371	.338	1900-2400	1.437	
38N		450gr FMJ	50	.371	.330		1.510	
36	10.75 x 68mm .423"	347gr RN SN	50	.277	.290	1800-2300	1.116	
36A		347gr FMJ	50	.277	.288		1.188	
35	404 Jeffery .422"	350gr RN SN	50	.281	.293	1800-2600	1.128	









WOODLEIGH BULLETS

Cat. No.	Calibre	No./Box	SD	BC	Rec. Impact Vel. (fps)	Length inches		
33A	404 Jeffery .422"	400gr RN SN	50	.321	.335	1900-2400	1.282	
34		400gr FMJ	50	.321	.330		1.347	
33B		450gr RN SN	50	.361	.360	1800-2300	1.416	
34B		450gr FMJ	50	.361	.355		1.491	
444	444 Marlin & 44 Magnum .430"	280gr FN SN	50	.216	.186	1800-2200	.828	
31	425 Westly Rich .435"	410gr RN SN	50	.310	.222	1800-2250	1.177	
32		410gr FMJ	50	.310	.221		1.263	
67	11.2 Schuler .440"	401gr RN SN	50	.296	.325	1800-2250	1.167	
30	458 Mag .458"	400gr PP SN	50	.272	.340	1900-2500	1.152	
24A		480gr RN SN	50	.327	.310	1800-2200	1.261	
25A		480gr FMJ	50	.327	.308		1.340	
26		500gr RN SN	50	.341	.328	1800-2200	1.305	
26A		500gr PP SN	50	.341	.378	1800-2300	1.394	
28		500gr FMJ	50	.341	.325		1.388	
27		550gr RN SN	50	.375	.340	1800-2200	1.414	
29		550gr FMJ	50	.375	.326		1.521	
30A	450 BPE .458"	350gr RN SN	50	.238	.250	1800-2100	0.949	
30C	45/70 .458"	300gr FN SN	50	.205	.196	1700-2200	.792	
30B		405gr FN SN	50	.276	.204	1700-2000	1.020	
24	450 Nitro .458"	480gr RN SN	50	.327	.310	1800-2200	1.261	
25		480gr FMJ	50	.327	.308		1.340	
22	465 Nitro .468"	480gr RN SN	50	.313	.315	1800-2200	1.225	
23		480gr FMJ	50	.313	.310		1.316	
20	470 Nitro .474"	500gr RN SN	50	.318	.374	1800-2200	1.247	

WOODLEIGH BULLETS

Cat. No.	Calibre	No./Box	SD	BC	Rec. Impact Vel. (fps)	Length inches		
21	470 Nitro .474"	500gr FMJ	50	.318	.370	1.341		
18	476 Westly Rich. .476"	520gr RN SN	50	.328	.385	1800-2200	1.287	
19		520gr FMJ	50	.328	.380		1.385	
15	475 No. 2 .483"	480gr RN SN	50	.294	.309	1800-2200	1.156	
16		480gr FMJ	50	.294	.300		1.258	
13	475 No. 2 Jeffery .488"	500gr RN SN	50	.300	.315	1800-2200	1.184	
14		500gr FMJ	50	.300	.300		1.284	
11	505 Gibbs .505"	525gr RN SN	25	.294	.345	1800-2200	1.197	
12		525gr FMJ	25	.294	.340		1.271	
11A		600gr PP SN	25	.336	.360	1800-2200	1.289	
12A		600gr FMJ	25	.336	.360		1.411	
83	500 S&W MAG .500"	400gr FN SN	25	.229	.182	1500-2000	.816	
9	500 Jeffery .510"	535gr RN SN	25	.294	.350	1800-2200	1.199	
9A		535gr PP SN	25	.294	.310	1800-2200	1.158	
10		535gr FMJ	25	.294	.340		1.267	
10B		600gr PP SN	25	.330	.350	1800-2200	1.268	
10A		600gr FMJ	25	.330	.355		1.396	
8	500 BP .510"	440gr RN SN	25	.242	.255	1700-2000	0.991	
82	50 Alaskan & 50/110 WIN .510"	500gr FN SN	25	.275	.219	1700-2200	.986	
06A	500 Nitro .510"	450gr RN SN	25	.247	.257	1800-2200	.984	
6		570gr RN SN	25	.313	.368	1800-2200	1.258	
7		570gr FMJ	25	.313	.350		1.336	
5	577 BP Express .585"	650gr RN SN	25	.271	.292	1700-2000	1.084	

WOODLEIGH BULLETS

Cat. No.	Calibre	No./Box	SD	BC	Rec. Impact Vel. (fps)	Length inches		
3A	577 Nitro .585"	650gr RN SN	25	.271	.292	1800-2100	1.112	
4A	.584"	650gr FMJ	25	.272	.292		1.155	
3	.585"	750gr RN SN	25	.313	.346	1800-2100	1.249	
4	.584"	750gr FMJ	25	.314	.351		1.307	
1	600 Nitro .620"	900gr RN SN	25	.334	.371	1700-2000	1.292	
2		900gr FMJ	25	.334	.334		1.282	
A	700 Nitro .700"	1000gr RN SN	25	.292	.340	1700-2000	1.172	
B		1000gr FMJ	25	.292	.340		1.223	

PP SN = Protected Point Soft Nose FMJ = Full Metal Jacket FN SN = Flat Nose Soft Nose RN SN = Round Nose Soft Nose

Hydrostatically Stabilised Bullets

Code	Calibre	Diameter in inches	Weight in grains	No per pack	Bullet Length in inches
H7mm	7mm	.284"	140	20	1.170
H308A	308	.308"	150	20	1.060
H308	308	.308"	180	20	1.250
H303	303	.312"	215	20	1.423
H8mm	8mm	.323"	170	20	1.090
H338A	338	.338"	185	20	1.070
H338	338	.338"	225	20	1.279
H358	358	.358"	225	20	1.146
H9.3A	9.3	.366"	232	20	1.141
H9.3	9.3	.366"	286	20	1.376
H375A	375	.375"	235	20	1.100
H375	375	.375"	300	20	1.390
H450/400	450/400 3"	.410"	400	10	1.523
H416	416	.416"	400	10	1.514
H404	404 Jeffery	.422"	400	10	1.467
H450BPE	450	.458"	325	10	1.020
H45/70	45/70	.458"	400	10	1.239
H458A	458	.458"	450	10	1.377
H458	458	.458"	480	10	1.466
H465	465	.468"	480	10	1.412
H470	470	.474"	500	10	1.438
H500	500	.510"	570	10	1.426
H50Alaskan	50 Alaskan	.510"	400	10	1.006
H505	505	.505"	525	10	1.322
H577	577	.585"	750	10	1.424
Woodleigh VLD Brass Solids					
VLD338	338	.338"	250	10	1.695
VLD375	375	.375"	350	10	2.184
VLD408	408 Cheytac	.408"	400	10	2.175
VLD416	416	.416"	395	10	2.083
VLD50BMG	50BMG	.510"	700	10	2.475



