



*Passion for Precision*

Lapua Special Purpose



# Special Purpose.

Lapua is a pioneer in the development and manufacture of sniper ammunition. All our special purpose ammunition is produced to the same match grade requirements as our target ammunition.



## Not just according to toughest standards

Lapua quality is appropriately certified as well as approved by several special forces and armies worldwide. Long-term cooperation with different defence organizations helps us understand the special requirements of the military and other professional users. The goal is not to meet requirements but to exceed them.

## The most accurate long-range cartridges available

The reliability and excellent accuracy of Lapua's special purpose cartridges are renowned worldwide. The secret behind the fame is simple: the special purpose cartridges are manufactured with the same unconditional precision and care as our leading sport shooting products. Our much-copied paragon of quality and accuracy is the .338 Lapua Magnum, which has an effective range up to 1500 meters. Despite this, the .338 Lapua Magnum systems are about the same size and weight as the 7.62 mm systems. The .338 Lapua Magnum system is considerably lighter than the .50 BMG system.



A complete selection of different bullets available also in .308 Win. caliber.



### Scenar



Premium performance for competition shooters. The Scenar is an extremely accurate open-tip match bullet with an outstanding ballistic coefficient. Lapua Scenar bullets have given superb results at long ranges.

### D46



Often copied, never equaled. The legendary D46 in caliber 7.62 is one by which all others of its type are measured. Manufactured to the strictest tolerances for concentricity, uniformity of shape and weight, it has shot its way to the record books since the 1930's all the way to the 21st century.

### Subsonic



Lapua is the most widely used 7.62 mm caliber subsonic ammunition for military and law enforcement special operations. Designed especially for specialized short barrelled tactical rifles that have sound suppressors.

### Lock Base



Unbeatable accuracy over extra long distances. The bullet's tail structure provides exceptional accuracy also at high pressures and high muzzle velocities. FMJBT configuration reduces drag and provides a flatter trajectory.

### Naturalis (Solid)



Innovative bullet design enables controlled expansion with 100% retention weight. Bullet construction with valve design gives a maximal shock effect over the wide terminal velocity range (500-1000m/s). For operational purposes the solid frame construction enables straight bullet path thru laminated glass without fragmentation.

### AP



AP is the world's most accurate armour piercing ammunition that has been made by using proven match grade bullet technology, and providing excellent penetration against hard targets. Now available also for 300 gr family!

## Ballistic Coefficient

Caliber	Bullet type Weight	Code	Ballistic coefficient G1 Velocity range [m/s] / [fps]					Ballistic coefficient G7
			> 830 > 2720	830-600 2720-1970	600-380 1970-1250	380-300 1250-980	<300 <980	
.338 Lapua Magnum	Naturalis 15,0 g / 231 gr	N508	0,380	0,358	0,368	0,391	0,323	0,191
	Scenar 16,2 g / 250 gr	GB488	0,646	0,632	0,588	0,613	0,708	0,320
	Lock Base 16,2 g / 250 gr	B408	0,621	0,589	0,527	0,545	0,592	0,294
	Armour Piercing 16,1 g / 248 gr	AP485	0,556	0,553	0,532	0,555	0,615	0,285
	Armour Piercing Incendiary 16,4 g / 253 gr	API526	0,566	0,563	0,543	0,565	0,629	0,290
	Scenar 19,4 g / 300 gr	GB528	0,732	0,746	0,717	0,736	0,905	0,384
	Armour Piercing 19,4 g / 300 gr	AP529	0,732	0,740	0,710	0,721	0,845	0,381
	Lock Base 9,72 g / 150 gr	B466	0,438	0,419	0,348	0,218	0,168	0,200
	Scenar 10,0 g / 155 gr	GB491	0,464	0,452	0,427	0,433	0,486	0,231
.308 Win.	Armour Piercing 10,7 g / 165 gr	AP492	0,440	0,420	0,378	0,308	0,535	0,210
	Lock Base 11,0 g / 170 gr	B476	0,502	0,471	0,401	0,284	0,270	0,228
	Scenar 10,85 g / 167 gr	GB422	0,445	0,431	0,393	0,361	0,487	0,219
	Naturalis 11,0 g / 170 gr	N518	0,319	0,317	0,331	0,367	0,336	0,171
	Scenar 12,0 g / 185 gr	GB432	0,485	0,472	0,439	0,457	0,657	0,242
	FMJBT 12,0 g / 185 gr	D46	0,508	0,496	0,446	0,449	0,575	0,250
	FMJBT 13,0 g / 200 gr	B416	0,515	0,413				0,211
			> 740 >2430	740-550 2430-1800	550-380 1800-1250	380-300 1250-980	< 300 < 980	> 380 > 1250
								all

### API



Designed to be used against vehicles and structures in situations when excellent penetration, incendiary and point of impact effect is needed. The API bullet is designed to meet current insensitive munitions philosophy.



The original  
.338 Lapua Magnum

The world's most accurate at extra-long distances. We are proud to say that the .338 Lapua Magnum is simply the world's best long-range precision cartridge – the original one from Lapua. It outperforms all .30 caliber cartridges at longer ranges, delivering exceptional performance up to 1500 m. The .338 Lapua Magnum comes factory loaded with a choice of world leading precision bullets.

The .338 Lapua Magnum is currently the best choice for long range sniper applications. It extends effective range of true one man sniper rigs well beyond one kilometer.

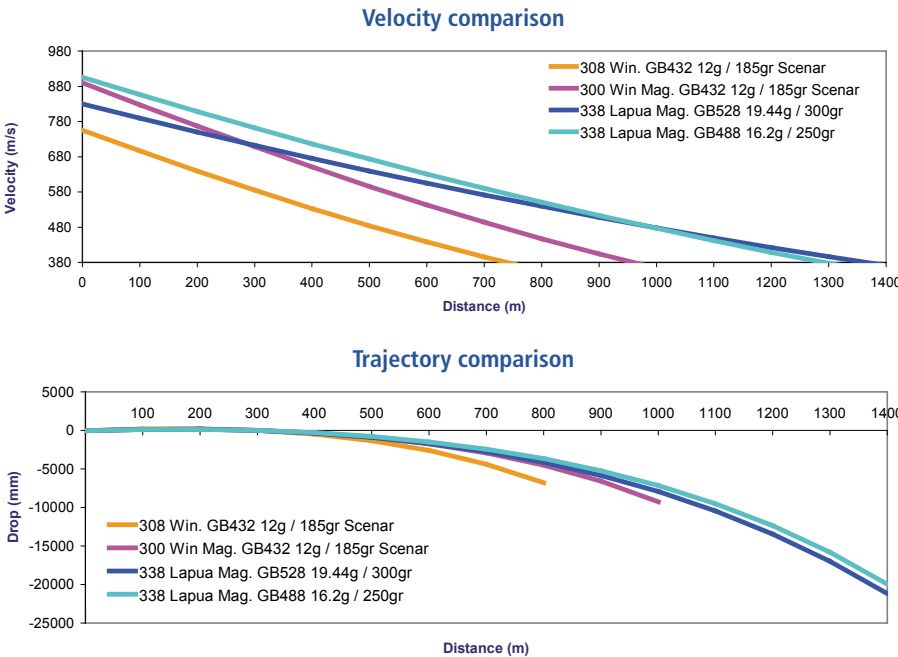
.338 Lapua Magnum fills the gap between 7.62mm and .50 caliber sniper systems. The .338 Lapua Magnum sniper systems are currently employed by several armed forces throughout the world.

The trajectory of Lapua's bullets is tailored to match, so there is no need to change the sight setup when changing the bullet type.

Some cartridges are hermetic and packed in M2A1, optional for all products. Excellent performance with all leading rifles.








The Ball B408 features a 250 gr (16,2 g) Lock Base FMJBT bullet. The bullet maintains its velocity supersonic up to 1300 meters. The AP485 features a 16,1 g Armour Piercing bullet having trajectory tailored to match the B408 Ball path. The world's most accurate armour piercing ammunition still has penetration power to 10 mm armour steel plate after 800 meters.

The completion for .338 Lapua Magnum is the 300 gr family, including GB528 Scenar and the new AP529.



.338 LAPUA MAGNUM | METRIC

● Sport ● Hunting ● Special purposes

Caliber	Product no.	Bullet type Weight Code	Velocity [m/s] Energy [J] Crosswind drift [mm] (Sidewind 4 m/s)								Trajectory [mm]							Test barrel length [mm]
			0 m	100 m	300 m	600 m	900 m	1200 m	1500 m	Rifle sighted in at	Impact point above or below line of sight (Scope 40 mm above bore line)							
											100 m	300 m	600 m	900 m	1200 m	1500 m		
.338 Lapua Mag. (8.6x70)	N318020 	Naturalis 15,0 g / 231 gr	920 6348 0	835 5233 21	674 3410 212	473 1678 1018	339 864 2703			100 300 600	0 125 455	-374 0 991	-2730 -1982 -5081	-9176 -8055 -5081		680		
		N508																
		Scenar 16,2 g / 250 gr	905 6634 0	856 5937 12	762 4703 113	631 3225 499	513 2131 1247	409 1353 2489	328 874 4392	100 300 600	0 112 361	-336 0 747	-2165 -1493 -2990	-6238 -12377 -9390	-13721 -24904 -21168	680		
	4318017 	GB488																
		Lock Base 16,2 g / 250 gr	900 6561 0	850 5846 12	751 4563 120	611 3023 539	484 1896 1376	372 1118 2819	310 778 5012	100 300 600	0 114 372	-343 0 772	-2232 -1545 -3177	-6525 -5495 -10214	-14679 -13305 -23695	680		
		B408																
	4318033 	Armour Piercing 16,1 g / 248 gr	905 6593 0	848 5794 14	741 4417 134	595 2851 596	469 1769 1507	363 1063 3038	308 763 5275	100 300 600	0 116 380	-347 0 795	-2283 -1589 0	-6753 -5713 -3329	-15324 -13937 -10758	-30594 -28858 -24881	680	
		AP485																
4318048 		Armour Piercing Incendiary 16,4 g / 253 gr	895 6568 0	840 5782 14	735 4425 133	592 2876 593	468 1799 1495	365 1091 3006	309 783 5214	100 300 600	0 118 388	-355 0 808	-2326 -1616 -3366	-6855 -5790 -10834	-15488 -14067 -24952	680		
NEW! 	API526																	
	4318013 	Scenar 19,4 g / 300 gr	830 6696 0	789 6054 12	712 4925 110	605 3558 472	508 2510 1154	422 1732 2245	349 1186 3852	100 300 600	0 136 421	-407 0 855	-2525 -1711 -3285	-7073 -5852 -10021	-15073 -13444 -21766	680		
	GB528																	
NEW! 	43M8055	Armour Piercing 19,4 g / 300 gr	830 6696 0	789 6050 12	711 4914 110	603 3539 477	506 2488 1166	419 1710 2271	347 1168 3899	100 300 600	0 136 422	-408 0 858	-2531 -1715 -3301	-7096 -5873 -10084	-15146 -13515 -21939	680		
	AP529																	

.338 LAPUA MAGNUM | IMPERIAL

● Sport ● Hunting ● Special purposes

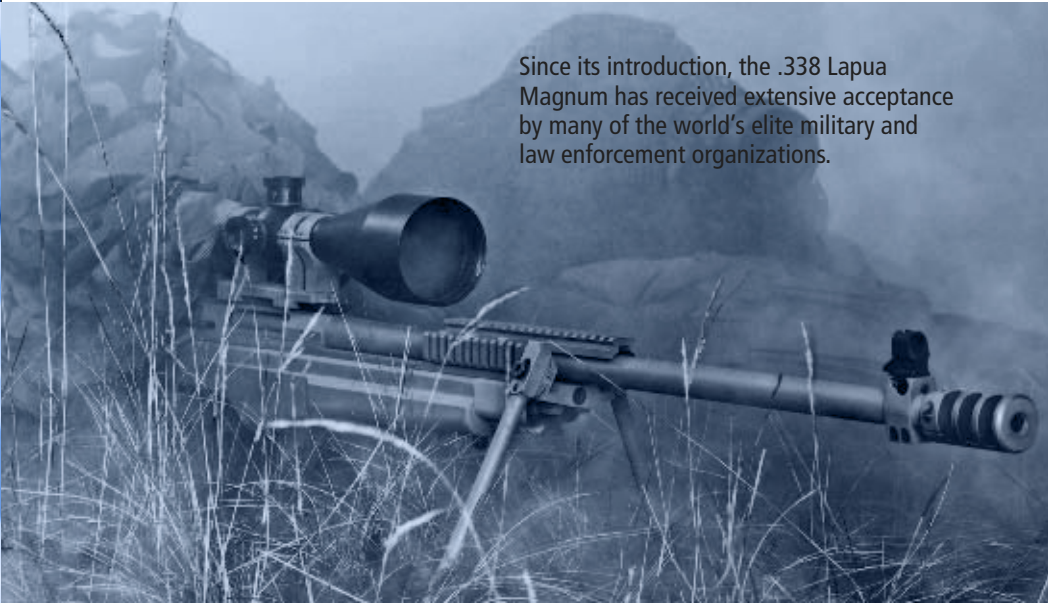
Caliber	Product no.	Bullet type Weight Code	Velocity [fps] Energy [ft.-lbs.] Crosswind drift [in] (Sidewind 13 fps)								Trajectory [inch]							Test barrel length [inch]
											Rifle sighted in at	Impact point above or below line of sight (Scope 1.6 in. above bore line)						
			0 yd	100 yd	300 yd	600 yd	900 yd	1200 yd	1500 yd			100 yd	300 yd	600 yd	900 yd	1200 yd	1500 yd	
.338 Lapua Mag. (8.6x70)	N318020	Naturalis 15,0 g / 231 gr N508	3018 4681 0	2764 3925 1	2276 2663 7	1651 1401 32	1200 740 85				100 300 600	0 4 14	-11 0 30	-84 -61 0	-274 -240 -149		27	
	4318017	Scenar 16,2 g / 250 gr GB488	2970 4896 0	2823 4424 0	2539 3579 4	2141 2545 16	1779 1756 40	1453 1172 78	1171 761 136	100 300 600	0 3 11	-10 0 24	-68 -47 0	-194 -163 -92	-420 -379 -285	-797 -746 -628	27	
	4318033	Lock Base 16,2 g / 250 gr B408	2953 4840 0	2802 4356 0	2504 3479 4	2080 2401 17	1690 1586 43	1338 994 87	1068 633 156	100 300 600	0 4 12	-11 0 24	-70 -49 0	-202 -171 -98	-446 -404 -306	-868 -815 -693	27	
	4318035	Armour Piercing 16,1 g / 248 gr AP485	2970 4866 0	2800 4324 0	2475 3379 4	2030 2274 19	1639 1482 48	1302 935 95	1061 621 166	100 300 600	0 4 12	-11 0 25	-71 -50 -102	-209 -177 -322	-464 -422 -729	-907 -854 -729	27	
	4318048	Armour Piercing Incendiary 16,4 g / 253 gr API526	2935 4840 0	2769 4308 0	2452 3377 4	2017 2287 19	1634 1501 47	1304 955 94	1064 636 164	100 300 600	0 4 12	-11 0 25	-73 -51 0	-212 -180 -103	-471 -427 -325	-916 -862 -734	27	
	4318013	Scenar 19,4 g / 300 gr GB528	2723 4938 0	2600 4504 0	2367 3731 4	2042 2778 15	1745 2029 37	1477 1453 71	1242 1027 121	100 300 600	0 4 13	-13 0 27	-80 -54 0	-222 -184 -103	-468 -417 -309	-858 -795 -659	27	
	NEW! 43M8055	Armour Piercing 19,4 g / 300 gr AP529	2723 4938 0	2600 4501 0	2364 3723 4	2038 2765 15	1739 2013 38	1469 1437 72	1233 1013 123	100 300 600	0 4 13	-13 0 27	-80 -55 0	-223 -185 -103	-470 -419 -310	-863 -800 -664	27	

Complete selection of ammunition

Lapua offers a complete selection of the .338 Lapua Magnum ammunition including Ball, Armour Piercing, Armour Piercing Incendiary, Open-Tip, Blank, Drill and Solid cartridges.



Since its introduction, the .338 Lapua Magnum has received extensive acceptance by many of the world's elite military and law enforcement organizations.



Some of the products are available for authorities' use only.

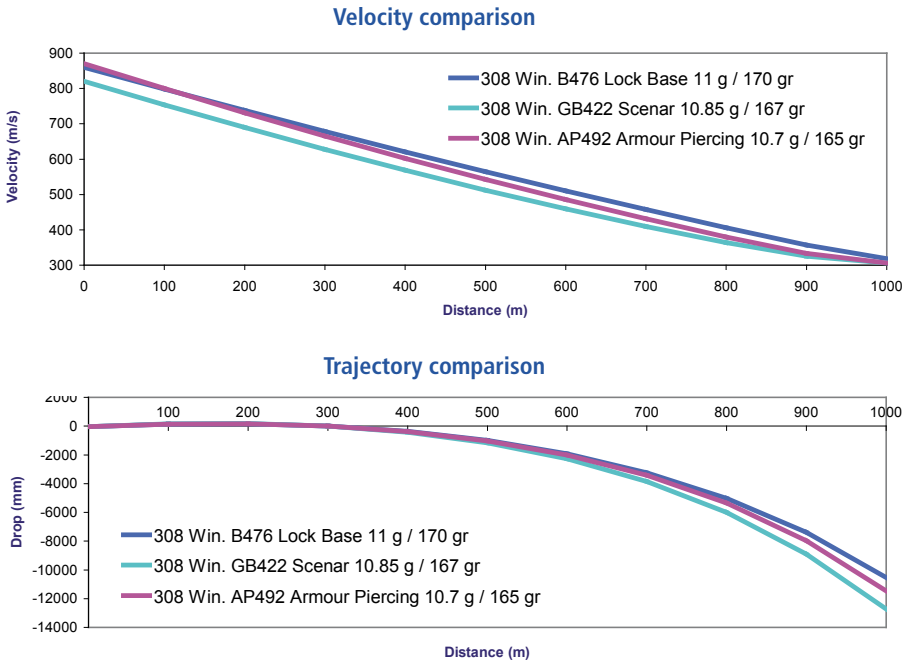


World's standard  
Lapua .308 Winchester

The .308 Winchester (7.62x51mm NATO) is still by far the most popular sniping round. It has a mild recoil, good terminal ballistic and a vast selection of different bullets. With an effective range up to 800 meters (875yds) it is definitely an all around sniping round that is used by the majority of Law Enforcement and military sniping units.

Lapua has one of the world's best match grade selection in this caliber. It covers several types of Ball, Open-Tip, Armour Piercing, Solid bullets and Subsonic round.

Starting with the legendary D46 FMJBT ammunition several decades ago and still in operation, Lapua's .308 Win. ammunition is used by several military forces and government agencies throughout the world. Today, Lapua .308 Win. ammunition is recognized not only for its accuracy, but also the outstanding performance of the closely matched ballistic trajectories between the different types of tactical bullets.



Lapua B416 Subsonic

Lapua 7.62x51 features a 13g/200gr FMJBT projectile that is launched with subsonic initial velocity. Therefore muzzle blast can be easily suppressed and there will be no flight noise of bullet.

The 13g FMJBT bullet has excellent penetration and its effective range 200 meters is longer than other ammunition of its class.











.308 WINCHESTER | METRIC

● Sport ● Hunting ● Special purposes

Caliber	Product no.	Bullet type Weight Code	Velocity [m/s] Energy [J] Crosswind drift [mm] (Sidewind 4 m/s)							Trajectory [mm]							Test barrel length [mm]
			0	100	200	300	600	800	1000	Rifle sighted in at	Impact point above or below line of sight (Scope 40 mm above bore line)						
											100	200	300	600	800	1000	
.308 Win. (7.62x51)	4317538	Lock Base 9,72 g / 150 gr B466	850 3511 0	781 2961 20	713 2473 83	647 2037 196	461 1033 951	346 581 1982		100 300 600	0 145 502	-121 169 884	-434 0 1073	-3013 -2146 0	-6946 -5790 -2928		660
	4317073	Scenar 10,0 g / 155 gr GB491	860 3698 0	794 3151 18	730 2663 76	669 2235 180	503 1264 831	408 833 1640	331 548 2857	100 300 600	0 138 469	-115 161 822	-414 0 992	-2813 -1984 0	-6265 -5160 -2515	-12106 -10726 -7418	660
	4317598	Armour Piercing 10,7 g / 165 gr AP492	870 4163 0	800 3519 19	731 2941 80	665 2432 189	486 1296 898	380 793 1811		100 300 600	0 136 473	-113 160 833	-409 0 1009	-2837 -2019 0	-6444 -5353 -2661		740
	4317515	Scenar 10,85 g / 167 gr GB422	820 3648 0	754 3083 20	690 2579 85	628 2138 200	459 1144 946	364 717 1899		100 300 600	0 157 535	-132 181 938	-470 0 1135	-3212 -2271 0	-7258 -6003 -2975		660
	4317596	Lock Base 11,0 g / 170 gr B476	860 4068 0	799 3509 17	738 2996 70	678 2532 166	510 1433 783	406 908 1580	318 557 2852	100 300 600	0 135 456	-113 158 800	-406 0 963	-2739 -1927 0	-6097 -5014 -2445	-11889 -10534 -7322	760
	4317523	Scenar 12,0 g / 185 gr GB432	755 3420 0	697 2911 21	640 2454 88	585 2052 207	438 1152 963	356 761 1898		100 300 600	0 188 622	-162 214 1083	-563 0 1304	-3735 -2609 0	-8288 -6787 -3308		660
	4317590	FMJBT 12,0 g / 185 gr D46	760 3466 0	704 2974 20	650 2533 82	597 2141 193	452 1228 895	369 815 1772		100 300 600	0 182 598	-157 207 1039	-547 0 1247	-3588 -2495 0	-7908 -6450 -3123		660
	4317340	Subsonic 13,0 g / 200 gr B416	320 666 0	305 605 29	292 555 113	281 512 250				100 300 600	0 1056 1101	-1011 1101 0	-3169 0 0				410

.308 WINCHESTER | IMPERIAL

● Sport ● Hunting ● Special purposes

Caliber	Product no.	Bullet type Weight Code	Velocity [fps] Energy [ft.-lbs.] Crosswind drift [in] (Sidewind 13 fps)								Trajectory [Inch]							Test barrel length [inch]
			0 yd	100 yd	200 yd	300 yd	600 yd	800 yd	1000 yd	Rifle sighted in at	Impact point above or below line of sight (Scope 1.6 in above bore line)							
											100 yd	200 yd	300 yd	600 yd	800 yd.	1000 yd		
.308 Win. (7.62x51)	4317538 	Lock Base	2790	2581	2379	2180	1615	1260		100	0	-4	-13	-93	-210		26	
		9,72 g / 150 gr	2592	2219	1884	1583	868	529		300	4	5	0	-66	-174			
		B466	0	1	3	6	30	61		600	15	27	33	0	-86			
	4317073 	Scenar	2820	2621	2428	2243	1735	1439	1182	100	0	-3	-13	-87	-192	-365	26	
		10,0 g / 155 gr	2725	2354	2020	1723	1031	710	478	300	4	5	0	-62	-158	-323		
		GB491	0	1	2	6	26	52	89	600	15	26	31	0	-76	-220		
	4317598 	Armour Piercing	2850	2640	2433	2233	1684	1358	1076	100	0	-3	-13	-88	-197	-383	29	
		10,7 g / 165 gr	2975	2552	2168	1826	1038	675	424	300	4	5	0	-63	-163	-340		
AP492		0	1	3	6	29	57	101	600	15	26	31	0	-80	-236			
4317515 	Scenar	2690	2491	2297	2110	1595	1295		100	0	-4	-15	-99	-221		26		
	10,85 g / 167 gr	2690	2307	1962	1656	945	623		300	5	6	0	-70	-183				
	GB422	0	1	3	6	30	59		600	17	29	35	0	-89				
4317596 HPS 	Lock Base	2820	2636	2454	2274	1764	1447	1148	100	0	-3	-13	-85	-187	-357	30		
	11,0 g / 170 gr	2997	2619	2269	1949	1173	789	497	300	4	5	0	-60	-154	-315			
	B476	0	1	2	5	25	49	87	600	14	25	30	0	-74	-215			
4317523 	Scenar	2475	2299	2128	1962	1512	1254		100	0	-5	-18	-116	-255		26		
	12,0 g / 185 gr	2518	2174	1861	1583	940	647		300	6	7	0	-81	-208				
	GB432	0	1	3	7	31	60		600	19	34	41	0	-100				
4317590 	FMJBT	2490	2322	2159	2000	1558	1296		100	0	-5	-17	-112	-244		26		
	12,0 g / 185 gr	2549	2216	1916	1645	998	690		300	6	7	0	-78	-199				
	D46	0	1	3	6	28	56		600	19	33	39	0	-95				
4317340 Subsonic 	FMJBT	1050	1005	966	930				100	0	-33	-103				16		
	13,0 g / 200 gr	491	450	416	386				300	34	36	0						
	B416	0	1	4	8				600									

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