



PRODUCT CATALOG • 2026

TrueRange Expanding

TRX

New lead-free
ammunition
for hunters

- *Best Terminal Ballistic Performance*
- *Top Accuracy*
- *Highest BC*

Factory-loaded Lapua TRX ammunition is available
in calibers 6.5 x 55 SE, .30-06, .308 Winchester,
6.5 Creedmoor & .300 Win Mag.



Instantly recognizable blue tip

Solid copper bullet

Superior quality brass case



Scan the QR-code and learn
more about the *Lapua TRX*

lapua.com/trx



Introducing our new app: Lapua Hunt

Lapua Hunt is the digital tool for Hunters respecting the game as well as accuracy and safety. The app uses the same ballistics calculation engine and Lapua product data as Lapua Ballistics. Add your own rifle and reticle, select the best ammo and game category, and you are ready to enjoy hunting success from boars to bears!



Features include:

- Maximum target distance 300m / 320 yd
- Several result outputs available; map, numerical, reticle and table views
- Create your own hunting team and see the location of team members
- Create and maintain your own profiles, access and share data from multiple devices
- Measure distances in map view
- Current and forecasted scent direction visible in map view

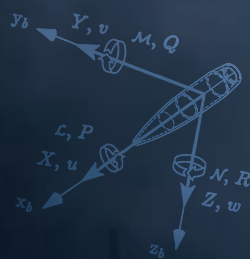


Achieve the best accuracy with the Lapua Ballistics App

Lapua Ballistics is the ultimate ballistics tool for mobile devices. This calculator always offers the latest Doppler proven Lapua cartridge and bullet data to combine with your firearm and local weather information for the best accuracy. The Lapua Ballistics App is available for Android and iOS mobiles free of charge and is available in English, German, Finnish, Norwegian, Polish, French, Spanish and Afrikaans.



- Quick and easy to change inputs like distance, wind speed and angle
- Several result outputs available depending on your needs; numerical, reticle, table and graph views
- Create and clone your own firearm / reticle combinations
- Features eg. Sight-in-POI, Coriolis, Max Range and Cant Angle calculation
- Custom trajectory tables



More app information and user guides available on lapua.com



PURSUIT OF PERFECTION

LAPUA® CENTERFIRE CARTRIDGES

* Point-Blank Range (PBR)
* Die günstigste Einschußentfernung (GEE)

.222 Remington		Bullet weight & type: 3.6 g / 55 gr FMJ			Product no. 4315021	
 SPORT / HUNT	Muzzle velocity		Ballistic coefficient		168 GEE * 184 PBR *	
	m / sec	fps	G1	G7		
	910	2985	0.230	-		
.222 Remington		Bullet weight & type: 3.6 g / 55 gr Soft Point			Product no. 4315030	
 SPORT / HUNT	Muzzle velocity		Ballistic coefficient		163 GEE * 175 PBR *	
	m / sec	fps	G1	G7		
	880	2887	0.185	-		
.222 Remington		Bullet weight & type: 3.2 g / 50 gr Naturalis			Product no. N315025	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		176 GEE * 198 PBR *	
	m / sec	fps	G1	G7		
	965	3166	0.197	-		
.223 Remington		Bullet weight & type: 3.6 g / 55 gr FMJ			Product no. 4315042	
 SPORT / HUNT / TACTICAL	Muzzle velocity		Ballistic coefficient		181 GEE * 198 PBR *	
	m / sec	fps	G1	G7		
	955	3133	0.255	-		
.223 Remington		Bullet weight & type: 3.2 g / 50 gr Naturalis			Product no. N315026	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		185 GEE * 202 PBR *	
	m / sec	fps	G1	G7		
	1015	3330	0.197	-		
.223 Remington		Bullet weight & type: 4.5 g / 69 gr OTM Scenar-L			Product no. 4315015	
 SPORT / TACTICAL	Muzzle velocity		Ballistic coefficient			
	m / sec	fps	G1	G7		
	830	2723	0.341	0.171		
.243 Winchester		Bullet weight & type: 5.8 g / 90 gr FMJ			Product no. 4316052	
 SPORT / HUNT	Muzzle velocity		Ballistic coefficient		176 GEE * 192 PBR *	
	m / sec	fps	G1	G7		
	885	2905	-	-		
.243 Winchester		Bullet weight & type: 5.8 g / 90 gr Naturalis			Product no. N316201	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		167 GEE * 183 PBR *	
	m / sec	fps	G1	G7		
	910	2985	0.230	-		
6 mm BR Norma		Bullet weight & type: 5.8 g / 90 gr OTM Scenar-L			Product no. 4316044	
 SPORT	Muzzle velocity		Ballistic coefficient			
	m / sec	fps	G1	G7		
	900	2950	0.434	0.216		
6 mm BR Norma		Bullet weight & type: 6.8 g / 105 gr OTM Scenar-L			Product no. 4316047	
 SPORT	Muzzle velocity		Ballistic coefficient			
	m / sec	fps	G1	G7		
	815	2674	0.472	0.236		

6.5x47 Lapua		Bullet weight & type: 7.8 g / 120 gr OTM Scenar-L			Product no. 4316017	
 SPORT	Muzzle velocity		Ballistic coefficient			
	m / sec	fps	G1	G7		
	845	2772	0.497	0.246		
6.5x47 Lapua		Bullet weight & type: 8.0 g / 123 gr OTM Scenar			Product no. 4316011	
 SPORT	Muzzle velocity		Ballistic coefficient			
	m / sec	fps	G1	G7		
	850	2790	0.527	0.263		
6.5x47 Lapua		Bullet weight & type: 8.8 g / 136 gr OTM Scenar-L			Product no. 4316016	
 SPORT	Muzzle velocity		Ballistic coefficient			
	m / sec	fps	G1	G7		
	800	2625	0.545	0.274		
6.5x47 Lapua		Bullet weight & type: 9.0 g / 139 gr OTM Scenar			Product no. 4316012	
 SPORT	Muzzle velocity		Ballistic coefficient			
	m / sec	fps	G1	G7		
	820	2690	0.578	0.290		
6.5x47 Lapua		Bullet weight & type: 9.1 g / 140 gr Naturalis			Product no. N316301	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		150 GEE * 165 PBR *	
	m / sec	fps	G1	G7		
	807	2648	0.201	-		
6.5 Creedmoor		Bullet weight & type: 8.0 g / 123 gr OTM Scenar			Product no. 4316060	
 SPORT / TACTICAL	Muzzle velocity		Ballistic coefficient			
	m / sec	fps	G1	G7		
	850	2790	0.527	0.263		
6.5 Creedmoor		Bullet weight & type: 8.8 g / 136 gr OTM Scenar-L			Product no. 4316063	
 SPORT	Muzzle velocity		Ballistic coefficient			
	m / sec	fps	G1	G7		
	835	2740	0.545	0.274		
6.5 Creedmoor		Bullet weight & type: 9.1 g / 140 gr Naturalis			Product no. N316401	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		148 GEE * 160 PBR *	
	m / sec	fps	G1	G7		
	815	2674	0.472	0.236		
6.5 Creedmoor		Bullet weight & type: 10.1 g / 156 gr Soft Point (MEGA)			Product no. 4316064	
 HUNT	Muzzle velocity		Ballistic coefficient		156 GEE * 171 PBR *	
	m / sec	fps	G1	G7		
	780	2559	0.377	-		
.260 Remington		Bullet weight & type: 8.8 g / 136 gr OTM Scenar-L			Product no. 4316065	
 SPORT	Muzzle velocity		Ballistic coefficient			
	m / sec	fps	G1	G7		
	814	2671	0.545	0.274		

LAPUA® CENTERFIRE CARTRIDGES

* Point-Blank Range (PBR)
* Die günstigste Einschußentfernung (GEE)

6.5x55 SE		Bullet weight & type: 6.5 g / 100 gr FMJ				Product no. 4316033	
 SPORT / HUNT	Muzzle velocity		Ballistic coefficient		159 GEE * 174 PBR *		
	m / sec 830	fps 2723	G1 0.250	G7 -			
6.5x55 SE		Bullet weight & type: 6.5 g / 100 gr OTM Scenar				Product no. 4316035	
 SPORT	Muzzle velocity		Ballistic coefficient				
	m / sec 800	fps 2625	G1 0.424	G7 0.212			
6.5x55 SE		Bullet weight & type: 7.0 g / 108 gr OTM Scenar				Product no. 4316031	
 SPORT	Muzzle velocity		Ballistic coefficient				
	m / sec 900	fps 2950	G1 0.465	G7 0.231			
6.5x55 SE		Bullet weight & type: 7.8 g / 120 gr OTM Scenar-L				Product no. 4316038	
 SPORT	Muzzle velocity		Ballistic coefficient				
	m / sec 830	fps 2723	G1 0.497	G7 0.246			
6.5x55 SE		Bullet weight & type: 7.8 g / 120 gr OTM Scenar-L				Product no. 4316039	
 SPORT	Muzzle velocity		Ballistic coefficient				
	m / sec 920	fps 3018	G1 0.497	G7 0.246			
6.5x55 SE		Bullet weight & type: 7.8 g / 120 gr TRX				Product no. N316103	
 HUNT	Muzzle velocity		Ballistic coefficient		172 GEE * 188 PBR *		
	m / sec 835	fps 2740	G1 0.428	G7 0.212			
6.5x55 SE		Bullet weight & type: 8.0 g / 123 gr OTM Scenar				Product no. 4316032	
 SPORT	Muzzle velocity		Ballistic coefficient				
	m / sec 830	fps 2723	G1 0.527	G7 0.263			
6.5x55 SE		Bullet weight & type: 8.0 g / 123 gr OTM Scenar				Product no. 4316036	
 SPORT	Muzzle velocity		Ballistic coefficient				
	m / sec 920	fps 3015	G1 0.527	G7 0.263			
6.5x55 SE		Bullet weight & type: 8.8 g / 136 gr OTM Scenar-L				Product no. 4316040	
 SPORT	Muzzle velocity		Ballistic coefficient				
	m / sec 815	fps 2674	G1 0.545	G7 0.274			
6.5x55 SE		Bullet weight & type: 9.0 g / 139 gr OTM Scenar				Product no. 4316030	
 SPORT	Muzzle velocity		Ballistic coefficient				
	m / sec 800	fps 2625	G1 0.424	G7 0.212			

6.5x55 SE		Bullet weight & type: 9.1 g / 140 gr Naturalis				Product no. N316102	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		152 GEE * 164 PBR *		
	m / sec 800	fps 2625	G1 0.201	G7 -			
6.5x55 SE		Bullet weight & type: 9.3 g / 144 gr MaxRT				Product no. 4316041	
 SPORT	Muzzle velocity		Ballistic coefficient				
	m / sec 835	fps 2740	G1 0.201	G7 -			
6.5x55 SE		Bullet weight & type: 10.1 g / 156 gr Soft Point (MEGA)				Product no. 4316021	
 HUNT	Muzzle velocity		Ballistic coefficient		156 GEE * 171 PBR *		
	m / sec 780	fps 2559	G1 0.377	G7 -			
7x64		Bullet weight & type: 10.1 g / 156 gr Naturalis				Product no. N317322	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		163 GEE * 173 PBR *		
	m / sec 840	fps 2756	G1 0.280	G7 -			
7x65R		Bullet weight & type: 10.1 g / 156 gr Naturalis				Product no. N317323	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		163 GEE * 173 PBR *		
	m / sec 840	fps 2756	G1 0.280	G7 -			
.308 Winchester		Bullet weight & type: 8.0 g / 123 gr FMJ				Product no. 4317527	
 SPORT / HUNT	Muzzle velocity		Ballistic coefficient		173 GEE * 189 PBR *		
	m / sec 895	fps 2936	G1 0.270	G7 -			
.308 Winchester		Bullet weight & type: 9.7 g / 150 gr Soft Point (MEGA)				Product no. 4317498	
 HUNT	Muzzle velocity		Ballistic coefficient		168 GEE * 184 PBR *		
	m / sec 850	fps 2790	G1 0.330	G7 -			
.308 Winchester		Bullet weight & type: 9.7 g / 150 gr TRX				Product no. N317108	
 HUNT	Muzzle velocity		Ballistic coefficient		170 GEE * 183 PBR *		
	m / sec 840	fps 2755	G1 0.384	G7 0.190			
.308 Winchester		Bullet weight & type: 10.0 g / 155 gr OTM Scenar-L				Product no. 4317076	
 SPORT / TACTICAL	Muzzle velocity		Ballistic coefficient				
	m / sec 860	fps 2820	G1 0.460	G7 0.230			
.308 Winchester		Bullet weight & type: 10.85 g / 167 gr OTM Scenar				Product no. 4317515	
 SPORT / TACTICAL	Muzzle velocity		Ballistic coefficient				
	m / sec 820	fps 2690	G1 0.446	G7 0.223			

LAPUA® CENTERFIRE CARTRIDGES

* Point-Blank Range (PBR)
* Die günstigste Einschußentfernung (GEE)

.308 Winchester		Bullet weight & type: 11.0 g / 170 gr Lock Base				Product no. 4317596	
 SPORT / HUNT / TACTICAL	Muzzle velocity		Ballistic coefficient				
	m / sec	fps	G1	G7			
	840	2756	0.498	0.249			
.308 Winchester		Bullet weight & type: 11.0 g / 170 gr Lock Base Semi-Auto				Product no. 43M7600	
 SPORT / TACTICAL	Muzzle velocity		Ballistic coefficient				
	m / sec	fps	G1	G7			
	744	2441	0.498	0.249			
.308 Winchester		Bullet weight & type: 11.0 g / 170 gr Naturalis				Product no. N317105	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		159 GEE * 174 PBR *		
	m / sec	fps	G1	G7			
	800	2625	0.354	0.177			
.308 Winchester		Bullet weight & type: 11.3 g / 175 gr OTM Scenar-L				Product no. 4317520	
 SPORT	Muzzle velocity		Ballistic coefficient				
	m / sec	fps	G1	G7			
	793	2602	0.490	0.247			
.308 Winchester		Bullet weight & type: 12.0 g / 185 gr OTM Scenar				Product no. 4317523	
 SPORT / TACTICAL	Muzzle velocity		Ballistic coefficient				
	m / sec	fps	G1	G7			
	755	2475	0.482	0.242			
.308 Winchester		Bullet weight & type: 12.0 g / 185 gr Soft Point (MEGA)				Product no. 4317189	
 HUNT	Muzzle velocity		Ballistic coefficient		151 GEE * 165 PBR *		
	m / sec	fps	G1	G7			
	765	2690	0.319	-			
.308 Winchester		Bullet weight & type: 12.0 g / 185 gr FMJBT				Product no. 4317590	
 SPORT / HUNT / TACTICAL	Muzzle velocity		Ballistic coefficient				
	m / sec	fps	G1	G7			
	760	2490	0.506	0.254			
.308 Winchester		Bullet weight & type: 13.0 g / 200 gr FMJBT				Product no. 4317340	
 TACTICAL	Muzzle velocity		Ballistic coefficient				
	m / sec	fps	G1	G7			
	325	1066	0.518	0.235			
.30-06 Springfield		Bullet weight & type: 8.0 g / 123 gr FMJ				Product no. 4317577	
 SPORT / HUNT	Muzzle velocity		Ballistic coefficient		173 GEE * 189 PBR *		
	m / sec	fps	G1	G7			
	895	2936	0.270	-			
.30-06 Springfield		Bullet weight & type: 10.7 g / 165 gr TRX				Product no. N317107	
 HUNT	Muzzle velocity		Ballistic coefficient		173 GEE * 189 PBR *		
	m / sec	fps	G1	G7			
	825	2706	0.490	0.243			

.30-06 Springfield		Bullet weight & type: 11.0 g / 170 gr Naturalis				Product no. N317106	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		165 GEE * 180 PBR *		
	m / sec	fps	G1	G7			
	830	2723	0.354	0.177			
.30-06 Springfield		Bullet weight & type: 12.0 g / 185 gr Soft point (MEGA)				Product no. 4317563	
 HUNT	Muzzle velocity		Ballistic coefficient		157 GEE * 172 PBR *		
	m / sec	fps	G1	G7			
	800	2625	0.319	-			
.30-06 Springfield		Bullet weight & type: 13.0 g / 200 gr Soft Point (MEGA)				Product no. 4317567	
 HUNT	Muzzle velocity		Ballistic coefficient		154 GEE * 168 PBR *		
	m / sec	fps	G1	G7			
	775	2545	0.344	-			
.300 Win Mag.		Bullet weight & type: 10.7 g / 165 gr TRX				Product no. N317205	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		187 GEE * 200 PBR *		
	m / sec	fps	G1	G7			
	905	2969	0.490	0.243			
.300 Win Mag.		Bullet weight & type: 11.0 g / 170 gr Naturalis				Product no. N317204	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		178 GEE * 195 PBR *		
	m / sec	fps	G1	G7			
	902	2959	0.354	0.177			
.300 Win Mag.		Bullet weight & type: 12.0 g / 185 gr Soft Point (MEGA)				Product no. 4317312	
 HUNT	Muzzle velocity		Ballistic coefficient		163 GEE * 178 PBR *		
	m / sec	fps	G1	G7			
	830	2723	0.319	-			
.300 Win Mag.		Bullet weight & type: 12.0 g / 185 gr OTM Scenar				Product no. 4317308	
 SPORT / TACTICAL	Muzzle velocity		Ballistic coefficient				
	m / sec	fps	G1	G7			
	900	2953	0.482	0.242			
8x57 IRS		Bullet weight & type: 11.7 g / 180 gr Naturalis				Product no. N318010	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		159 GEE * 190 PBR *		
	m / sec	fps	G1	G7			
	800	2625	0.248	-			
8x57 IS		Bullet weight & type: 7.8 g / 120 gr Open Tip				Product no. 4318029	
 SPORT / HUNT	Muzzle velocity		Ballistic coefficient		178 GEE * 194 PBR *		
	m / sec	fps	G1	G7			
	940	3084	0.248	-			
8x57 IS		Bullet weight & type: 11.7 g / 180 gr Naturalis				Product no. N318009	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		163 GEE * 178 PBR *		
	m / sec	fps	G1	G7			
	820	2690	0.357	0.179			

LAPUA® CENTERFIRE CARTRIDGES

.338 Lapua Mag.		Bullet weight & type: 15.0 g / 231 gr Naturalis				Product no. N318020	
 HUNT - LEAD FREE BULLET / TACTICAL	Muzzle velocity		Ballistic coefficient		178 GEE * 200 PBR * 		
	m / sec 920	fps 3018	G1 0.373	G7 -			
.338 Lapua Mag.		Bullet weight & type: 16.2 g / 250 gr OTM Scenar				Product no. 4318017	
 SPORT / TACTICAL	Muzzle velocity		Ballistic coefficient				
	m / sec 905	fps 2970	G1 0.648	G7 0.322			
.338 Lapua Mag.		Bullet weight & type: 16.2 g / 250 gr Lock Base				Product no. 4318033	
 SPORT / TACTICAL	Muzzle velocity		Ballistic coefficient				
	m / sec 900	fps 2953	G1 0.625	G7 0.310			
.338 Lapua Mag.		Bullet weight & type: 19.4 g / 300 gr OTM Scenar				Product no. 4318013	
 SPORT / TACTICAL	Muzzle velocity		Ballistic coefficient				
	m / sec 820	fps 2690	G1 0.736	G7 0.368			
9.3x62		Bullet weight & type: 12.0 g / 185 gr Open Tip				Product no. 4319012	
 SPORT / HUNT	Muzzle velocity		Ballistic coefficient		164 GEE * 179 PBR * 		
	m / sec 845	fps 2772	G1 0.283	G7 -			
9.3x62		Bullet weight & type: 16.2 g / 250 gr Naturalis				Product no. N319204	
 HUNT - LEAD FREE BULLET	Muzzle velocity		Ballistic coefficient		150 GEE * 164 PBR * 		
	m / sec 740	fps 2428	G1 0.419	G7 0.215			
9.3x62		Bullet weight & type: 18.5 g / 285 gr Soft Point (MEGA)				Product no. 4319010	
 HUNT	Muzzle velocity		Ballistic coefficient				
	m / sec 690	fps 2265	G1 0.339	G7 -			
.32 S&W Long Wadcutter		Bullet weight & type: 5.35 g / 83 gr Lead Wadcutter LWC				Product no. 4318023	
 SPORT	Muzzle velocity		Ballistic coefficient				
	m / sec 240	fps 787	G1 0.029	G7 -			
.32 S&W Long Wadcutter		Bullet weight & type: 6.35 g / 98 gr Lead Wadcutter LWC				Product no. 4318026	
 SPORT	Muzzle velocity		Ballistic coefficient				
	m / sec 240	fps 787	G1 0.041	G7 -			

* Point-Blank Range (PBR)

* Die günstigste Einschußentfernung (GEE)

LAPUA® RIMFIRE CARTRIDGES

.22 LR cartridges					
Cartridge type		Muzzle velocity		Ballistic coefficient	
X-Act Bullet weight: 2.59 g / 40 gr Product no. 420161	<u>m / sec</u> 327	<u>fps</u> 1073	<u>G1</u> 0.172		
Midas+ Bullet weight: 2.59 g / 40 gr Product no. 420162	<u>m / sec</u> 327	<u>fps</u> 1073	<u>G1</u> 0.172		
Center-X Bullet weight: 2.59 g / 40 gr Product no. 420163	<u>m / sec</u> 327	<u>fps</u> 1073	<u>G1</u> 0.172		
Pistol King Bullet weight: 2.59 g / 40 gr Product no. 420164	<u>m / sec</u> 285	<u>fps</u> 935	<u>G1</u> 0.172		
Pistol OSP Bullet weight: 2.59 g / 40 gr Product no. 420165	<u>m / sec</u> 280	<u>fps</u> 919	<u>G1</u> 0.172		
Polar Biathlon Bullet weight: 2.59 g / 40 gr Product no. 420166	<u>m / sec</u> 337	<u>fps</u> 1106	<u>G1</u> 0.172		
Long Range Bullet weight: 2.59 g / 40 gr Product no. 420168	<u>m / sec</u> 337	<u>fps</u> 1106	<u>G1</u> 0.172		
Super Long Range Bullet weight: 2.59 g / 40 gr Product no. 420167	<u>m / sec</u> 337	<u>fps</u> 1106	<u>G1</u> 0.172		

SCAN THE QR-CODES FOR MORE DETAILS ABOUT OUR CARTRIDGES.

LAPUA® CENTERFIRE CASES

		CALIBER:	PRODUCT NO.	
.222 Remington		5.69 mm [.224]	4PH5002	
.223 Remington		5.69 mm [.224]	4PH5003	
.220 Russian		5.69 mm [.224]	4PH5013	
.22-250 Remington		5.69 mm [.224]	4PH5001	
.243 Winchester		6 mm [.243]	4PH6009	
6 mm Creedmoor		6 mm [.243]	4PH6022	
6 mm BR Norma		6 mm [.243]	4PH6046	
6 mm GT		6 mm [.243]	4PH6060C	
6.5x55 SE		6.5 mm [.264]	4PH6012	
6.5-284		6.5 mm [.264]	4PH6030	
6.5x47 Lapua		6.5 mm [.264]	4PH6010	
6.5 Grendel		6.5 mm [.264]	4PH6020	
.260 Remington		6.5 mm [.264]	4PH6050	
6.5 Creedmoor (Small Rifle Primer)		6.5 mm [.264]	4PH6011	
6.5 Creedmoor (Large Rifle Primer)		6.5 mm [.264]	4PH6013	
6.5 PRC		6.5 mm [.264]	4PH6023	
7mm-08 Remington		7 mm [.284]	4PH7095	

		CALIBER:	PRODUCT NO.	
7x64		7 mm [.284]	4PH7105	
7x65R		7 mm [.284]	4PH7107	
.284 Winchester		7 mm [.284]	4PH7284	
.308 Winchester		7.62 mm [.308]	4PH7217	
7.62x53R		7.62 mm [.308]	4PH7215	
.308 Win. Palma		7.62 mm [.308]	4PH7226	
.300 Norma Mag.		7.62 mm [.308]	4PH7090	
.300 Win Mag.		7.62 mm [.308]	4PH7096	
.300 PRC		7.62 mm [.308]	4PH7098	
.300 WSM		7.62 mm [.308]	4PH7080C	
.30-06 Springfield		7.62 mm [.308]	4PH7068	
7.62x39		5.62 mm [.311]	4PH7074	
8x57 IS		8 mm [.323]	4PH8030	
8x57 IRS		8 mm [.323]	4PH8031	
.338 Lapua Mag.		8.61 mm [.338]	4PH8068	
.338 Norma Mag.		8.61 mm [.338]	4PH8090	
9.3x62		9.3 mm [.366]	4PH9050	

MaxRange Target		
		
We are proud to unveil our latest innovation in precision shooting: the HBC MaxRange Target bullet – a high-performance bullet designed for accuracy and consistency, whether you're competing or practicing. Crafted for discerning Long Range shooters competing in various disciplines, this boat-tailed projectile offers a streamlined trajectory, optimized ballistics and improved stability for extended distances. The MaxRange Target has been developed to produce a high BC (Ballistic coefficient) whilst still adhering to C.I.P. standards, making it the perfect projectile for utmost accuracy. The new Max RT bullets will be available for consumers in 2025.		
6.5 mm (6.71 mm / .264)	9.3 g / 144 gr	
.30 (7.62 mm / .308)	11.3 g / 175 gr	

Scenar (Open Tip Match)		
		
The first choice for serious target competition. Lapua Scenar Open-Tip Match bullets have given superb results at long ranges and bench rest shooting. The Scenar bullets have the IBS World Record in 600 yard Heavy Gun 5-shot group (0.404") and also hold the official world ISSF record of 600 out of 600 possible, an unbeatable score.		
6.5 mm (6.72 mm / .264)	6.5 g / 100 gr	
6.5 mm (6.72 mm / .264)	7.0 g / 108 gr	
6.5 mm (6.72 mm / .264)	8.0 g / 123 gr	
6.5 mm (6.72 mm / .264)	9.0 g / 139 gr	
.30 (7.83 / .308)	10.85 g / 167 gr	
.30 (7.83 / .308)	12.0 g / 185 gr	
.338 (8.61 mm / .339)	16.2 g / 250 gr	
.338 (8.61 mm / .339)	19.4 g / 300 gr	

Scenar-L (Open Tip Match)		
		
The ultimate long range match bullet. The Scenar-L has the refined qualities of the original Scenar bullet with higher standards of jacket wall concentricity, weight variation and dimensional uniformity. Scenar-L has truly earned its reputation as the go-to bullet for the best possible results in long range rifle shooting. For top shooters in the world in bench rest, long range or F-class, Scenar-L is the ultimate match bullet, proven by the countless long range records set using it.		
.224 (5.69 mm / .224)	4.5 g / 69 gr	
.224 (5.69 mm / .224)	5.0 g / 77 gr	
6 mm (6.16 mm / .243)	5.8 g / 90 gr	
6 mm (6.16 mm / .243)	6.8 g / 105 gr	
6.5 mm (6.72 mm / .264)	7.8 g / 120 gr	
6.5 mm (6.72 mm / .264)	8.8 g / 136 gr	
7 mm (7.23 mm / .284)	9.7 g / 150 gr	
7 mm (7.23 mm / .284)	11.7 g / 180 gr	
.30 (7.83 / .308)	10.0 g / 155 gr	
.30 (7.83 / .308)	11.3 g / 175 gr	
.30 (7.83 / .308)	14.3 g / 220 gr	

Naturalis (Lead free, expanding bullet)		
		
Respecting the game. The bullet is designed and manufactured by using pure copper. The material, design and controlled expansion ensure a solid and nearly unbreakable construction. The weight retention of the bullet, even after impacting on heavy bone, is frequently 100% of its original weight.		
.224 (5.69 mm / .224)	3.2 g / 50 gr	
6 mm (6.16 mm / .243)	5.8 g / 90 gr	
6.5 mm (6.72 mm / .264)	9.1 g / 140 gr	
7 mm (7.23 mm / .284)	10.1 g / 156 gr	
.30 (7.83 / .308)	11.0 g / 170 gr	
8 mm (8.21 mm / .323)	11.7 g / 180 gr	
.338 (8.61 mm / .339)	15.0 g / 231 gr	
9.3 mm (9.3 mm / .366)	16.2 g / 250 gr	

Mega (Soft point bullet)		
		
For big game hunters. Lapua's Mega bullet is a soft point jacketed hunting bullet. The Mega is a traditional lead core bullet for all kinds of European and North American game, particularly large game hunting. The mechanical bonding locks the lead alloy in place, keeping the structure together at point of impact.		
6.5 mm (6.72 mm / .264)	10.1 g / 156 gr	
.30 (7.83 / .308)	9.72 g / 150 gr	
.30 (7.83 / .308)	12.0 g / 185 gr	
.30 (7.83 / .308)	13.0 g / 200 gr	
9.3 mm (9.3 mm / .366)	18.5 g / 285 gr	

Soft Point (Soft point bullet)		
		
Lapua’s Soft Point bullet is designed for small game hunting where the rapid opening and mushrooming of the bullet are some of the most important characteristics. The Lapua Soft Point bullet is well known for its accuracy. This hunting bullet has proven its performance on the hunting fields and hunters can rely on its stopping power.		
5.69 mm (.224)	3.6 g / 55 gr	

Cutting Edge (Cutting edge bullet, available in FMJ and Open Tip variations)		
		
An open tip bullet capable of incredible accuracy, the Cutting Edge leaves an easy to score hole in your target, thanks to its innovative design. When you are looking for the best short range target bullet for paper-punching, your choice is the .30 caliber G477 6.5 g / 100 gr OT Cutting Edge. This bullet typically achieves groups of under 25 mm at 100 m shooting distances.		
.30 (7.83 / .308)	6.5 g / 100 gr	

TrueRange Expanding TRX (Lead free, expanding bullet)		
		
Solid copper TRX® bullet delivers industry leading precision from short to long distances with the highest ballistic coefficient (BC) values in its class. Upon impact, TRX offers exceptional terminal performance, unmatched energy transfer, and nearly 100% weight retention with a solid-copper, polymer-tipped design. Whether targeting big game or small to midsized animals, the TRX® delivers deep penetration and controlled "mushrooming" expansion, even at longer distances, ensuring a clean and ethical kill with minimal tracking required.		
6.5 mm (6.72 mm / .264)	7.8 g / 120 gr	
.30 (7.83 / .308)	9.7 g / 150 gr	
.30 (7.83 / .308)	10.7 g / 165 gr	

D46 (Full Metal Jacket Boat Tail)		
		
Often copied, never equaled. The legendary D46 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. The D46 is available in caliber 7.62 mm (.308) as a 12 gram / 185 grain bullet.		
.30 (7.83 / .308)	12.0 g / 185 gr	

D166 (Full Metal Jacket Boat Tail)		
		
The D166 boat tail bullet sports the same design as the legendary D46 bullet, but with a larger diameter. Lapua's D166 bullet has been used in Finnish military applications since 1936 and it still has a great reputation among traditional mid-range and long range rifle target shooters.		
7.62 mm (7.87 mm / .310)	13.0 g / 200 gr	

FMJ (Full Metal Jacket)		
		
Whether you require bullets for training, competitions or serious hunting situations you can really trust the performance of Lapua's FMJ bullet family. Ten rounds loaded with Lapua's .30 S374 8.0 g / 123 gr FMJ bullet from 100m can easily achieve groupings less than 30 mm. Reliability means that every shot you fire will hit the target.		
.224 (5.69 mm / .224)	3.6 g / 55 gr	
6.5 mm (6.72 mm / .264)	6.5 g / 100 gr	
6.5 mm (6.72 mm / .264)	9.3 g / 144 gr	
.30 (7.83 / .308)	8.0 g / 123 gr	

Open Tip (Open tip bullet)		
		
The Lapua Open Tip bullets are the first choice for superior accuracy in various rifle competitions. The Open Tip Match (OTM) bullets have shown superb results in mid-range rifle shooting and bench rest shooting. An easy and softly firing bullet that meets Lapua's strict accuracy requirements.		
.30 (7.83 mm / .308)	6.5 / 100 gr	
8 mm (8.21 mm / .323)	7.8 g / 120 gr	
9.3 mm (9.3 mm / .366)	12.0 g / 185 gr	

Lock Base (Full Metal Jacket Boat Tail)		
		
Lapua's Lock Base bullet is a Lapua innovation which combines a full metal jacket and boat tail with a patented base design. This bullet has proven its worth in sport shooting arenas as well as military and law enforcement applications over time.		
.30 (7.83 / .308)	11.0 g / 170 gr	
.338 (8.61 mm / .339)	16.2 g / 250 gr	

LAPUA® BULLETS		
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Photo: David Ramirez @davidramirez_fotografia
Model: Helena Arias Casals

SPORT SHOOTING

Sport shooting perfection

Match grade performance for every shooting discipline

Lapua ammunition is known by shooters all over the world. Our sport shooting ammunition and components feature in all kinds of disciplines and events for smallbore and big bore firearms. Intensive and regular training hones your shooting skills, and Lapua centerfire ammunition will provide the accuracy you need. Lapua quality ensures that you'll be able to develop those shooting skills without worrying about ammunition reliability, or its being able to do the job. Lapua's extremely accurate Match grade

centerfire ammo is loaded with the best target projectiles – Scenar-L, Scenar, FMJBT, D46 and Lock Base. Numerous World championships, Olympic Games and other top competition gold medals, as well as many official world records in different disciplines are shot with Lapua cartridges. Top shooters use Lapua in disciplines such as long range rifle, F-Class, silhouette shooting, pistol, bullseye, ELR, Precision Rifle (PRS), benchrest, practical shooting and many more. Pick your caliber and find your passion.

MAXRT



Read more about our success with MaxRT!

A new chapter in Lapua's pursuit of perfection



9.3 g / 144 gr
MaxRT GB582



11.3 g / 175 gr
MaxRT GB581





HUNTING

Whether you're hunting smaller game such as roe deer, or white tails with tough hide, or large boar, moose or bear, Lapua offers a wide range of cartridge options loaded with Lapua hunting bullets for your pursuit.

Lapua hunting ammunition is precision loaded and optimized for terminal ballistics and for every conceivable environment. From humid woods to dry hot deserts, or snow covered mountains, you can count on Lapua!

Lead-free excellence with **Naturalis**

The Naturalis bullet is designed and manufactured by using pure copper. The material, design and controlled expansion ensures a solid and nearly unbreakable construction. The weight retention, even after impacting on heavy bone, is frequently 100% of the bullet's original weight. The boat tail design of the bullet eases reloading, and together with the streamlined ogive it provides improved downrange ballistics.

The Naturalis bullet, by design, begins to mushroom immediately upon impact. The expansion process begins with the bullet tip cavity which expands symmetrically and without fragmentation. This provides maximum energy transfer to the animal, minimizes the meat loss, and provides a quick and ethical kill.



Up your game with

TrueRange Expanding

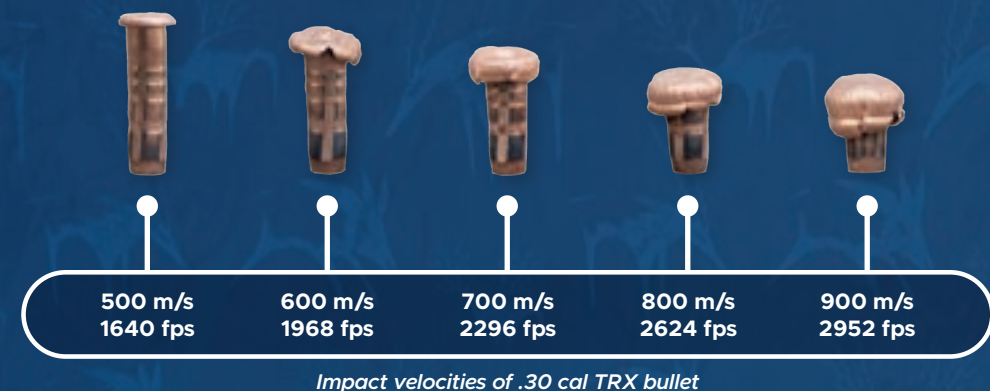
TRX

TRX® delivers industry leading precision from short to long distances with the highest ballistic coefficient (BC) values in its class. Lapua's R&D engineer Mikko Latvala comments, "The high BC's of the TRX ensure a flatter trajectory and superior resistance to wind drift. This enables hunters to confidently take longer shots with precision, even in challenging conditions." The high BC value ensures that the bullet maintains its velocity and stability at extended ranges, making it ideal for both medium and long-distance hunting.

Upon impact, TRX® offers exceptional terminal performance, unmatched energy transfer, and nearly 100% weight retention with its solid-copper, polymer-tipped design. Whether targeting big game or small to midsized animals, the TRX® delivers deep penetration and controlled "mushrooming" expansion, even at longer distances, ensuring a clean and ethical kill with minimal tracking required.



Lapua TRX bullets are lead-free.



Mega for big game

The Lapua Mega is a soft point bullet designed for big game hunting. It features a traditional lead-core and copper jacket that are bonded for maximum weight retention after impact and expansion. The Mega has a long jacket that protects the core and prevents premature expansion, or breakage, when the bullet travels through brush or grass cover.

The Mega's mechanical bonding locks the core firmly within the jacket and will not separate even on the hardest impact. It typically doubles its caliber width upon impact, causing an immediate shock effect, yet retains up to 97% of its original weight.





TACTICAL

The most accurate long-range cartridges

The accuracy and reliability of Lapua's tactical ammunition is renowned worldwide. Each cartridge is manufactured with the same unconditional precision and care as our leading sport shooting target ammunition. Our pinnacle of precision and quality is the .338 Lapua Magnum, which has an effective range out to 1500 meters. Despite this, the .338 Lapua Magnum operating systems are about the same size and weight as the 7.62mm systems. It's considerably lighter than the .50 caliber system making it an exceptional alternative to either platform.

Lapua is world renowned for offering the highest quality ammunition for elite forces and military / law enforcement professionals around the globe. All of Lapua's Tactical ammunition is produced to the same match-grade requirement as our target ammunition.

TACTICAL BULLETS // BALLISTIC COEFFICIENT

.338 BULLETS

BULLET NAME	Weight	Code	Ballistic coefficient G1 Velocity range [m/s] / [fps]					Ballistic coefficient G7
			> 830 m/s > 2720 fps	830-600 m/s 2720-1970 fps	600-380 m/s 1970-1250 fps	380-300 m/s 1250-980 fps	<300 m/s <980 fps	
Naturalis (Solid)	15.0 g / 231 gr	N508	0.376	0.363	0.276	0.397		0.193
Scenar	16.2 g / 250 gr	GB488	0.646	0.632	0.588	0.613		0.322
Lock Base	16.2 g / 250 gr	B408	0.621	0.589	0.527	0.545		0.310
Armour Piercing	16.1 g / 248 gr	AP485	0.564	0.562	0.539	0.559		0.289
Armour Piercing Incendiary	16.4 g / 253 gr	API526	0.554	0.531	0.482	0.480		0.269
Scenar	19.4 g / 300 gr	GB528	0.745	0.756	0.726	0.728		0.368
Armour Piercing	19.4 g / 300 gr	AP529	0.726	0.707	0.683	0.632		0.366
Armour Piercing Incendiary	19.4 g / 300 gr	API571	0.738	0.726	0.690	0.638		0.369

.30 BULLETS

BULLET NAME	Weight	Code	Ballistic coefficient G1 Velocity range [m/s] / [fps]					Ballistic coefficient G7
			> 830 m/s > 2720 fps	830-600 m/s 2720-1970 fps	600-380 m/s 1970-1250 fps	380-300 m/s 1250-980 fps	<300 m/s <980 fps	
Scenar-L	10.0 g / 155 gr	GB552	0.473	0.459	0.436	0.442		0.230
Armour Piercing	10.7 g / 165 gr	AP492	0.447	0.425	0.382	0.313		0.213
Armour Piercing	10.8 g / 167 gr	AP555	0.454	0.428	0.383	0.318		0.218
Lock Base	11.0 g / 170 gr	B476	0.511	0.476	0.402	0.287		0.249
			> 740 m/s > 2430 fps	740-550 m/s 2430-1800 fps	550-380 m/s 1800-1250 fps	380-300 m/s 1250-980 fps	< 300 m/s < 980 fps	> 380 m/s > 1250 fps
Scenar	10.85 g / 167 gr	GB422	0.473	0.446	0.405	0.365		0.223
Naturalis (Solid)	11.0 g / 170 gr	N558	0.367	0.353	0.365	0.429		0.177
Scenar-L	11.3 g / 175 gr	GB550	0.488	0.482	0.469	0.507		0.247
MaxRT	11.3 g / 175 gr	GB581	0.575	0.550	0.485	0.388		0.286
Scenar	12.0 g / 185 gr	GB432	0.503	0.486	0.453	0.468		0.242
D46	12.0 g / 185 gr	D46	0.527	0.510	0.460	0.461		0.254
Subsonic	13.0 g / 200 gr	B416				0.515	0.413	0.229

6.5 MM / .264 BULLETS

BULLET NAME	Weight	Code	Ballistic coefficient G1 Velocity range [m/s] / [fps]					Ballistic coefficient G7
			> 830 m/s > 2720 fps	830-600 m/s 2720-1970 fps	600-380 m/s 1970-1250 fps	380-300 m/s 1250-980 fps	<300 m/s <980 fps	
Scenar	8.0 g / 123 gr	GB489	0.536	0.523	0.483	0.441		0.263
Scenar-L	8.8 g / 136 gr	GB546	0.564	0.539	0.521	0.533		0.274
MaxRT	9.3 g / 144 gr	GB582	0.670	0.638	0.599	0.474		0.355
Armour Piercing	9.4 g / 145 gr	AP570	0.591	0.574	0.498	0.483		0.297

For ultimate accuracy and precision, Lapua uses radar based data for all tactical projectile ballistics.



Pursuit of **Perfection**



CARTRIDGES - CENTERFIRE RIFLE

CARTRIDGES - CENTERFIRE RIFLE										● SPORT ● HUNTING ● TACTICAL AMMUNITION							
Caliber	Product no.	Bullet name Weight Code	Velocity [m/s]							Trajectory [mm]							Test barrel length [mm]
			Energy [J]							Rifle sighted in at [m]	Impact point above or below line of sight (Scope 40 mm above bore line)						
			Wind drift [mm] (Sidewind 4 m/s)								100 m	200 m	300 m	600 m	800 m	1000 m	
.222 Rem. (5.7x43)	4315021 ● ●	FMJ	880	760	649	549				100	0	-132	-498			600	
		3,6 g / 55 gr S569	1394	1039	759	542				168 GEE	40	-52	-378				
		0	37	159	388												
	4315030 ●	SP	880	713	574	461				100	0	-156	-615			600	
3,6 g / 55 gr E539	1394	916	592	382				300	205	254	0						
0	52	228	563				163 GEE	40	-76	-494							
N315025 ●	Naturalis	965	802	656	532				100	0	-115	-461			600		
3,2 g / 50 gr N566	1490	1030	689	293			176 GEE	40	-36	-342							
0	41	181	883														
.223 Rem.	4315042 ● ● ●	FMJ	955	828	712	606	362		100	0	-104	-404	-3418		660		
		3,6 g / 55 gr S569	1642	1234	913	661	236		300	135	165	0	-2610				
		0	33	141	343	1782		181 GEE	39	-26	-286	-3182					
	N315026 ●	Naturalis	1015	850	698	567			100	0	-98	-401			600		
3,2 g / 50 gr N566	1648	1155	779	515			185 GEE	39	-20	-284							
0	36	162	405														
4315015 ● ●	Scenar-L	830	744	663	588	392		100	0	-138	-501	-3665		510			
4,5 g / 69 gr GB544	1550	1244	989	777	345		300	167	196	0	-2663						
0	26	112	266	1288			600	611	1083	1332	0						
.243 Win.	4316052 ● ●	FMJ	885	796	712	634	434		100	0	-116	-425	-3122		610		
		5,8 g / 90 gr S561	2271	1837	1472	1166	546		300	142	168	0	-2272				
		0	25	104	247	1187		176 GEE	39	-33	-290	-2672					
	N316201 ●	Naturalis	910	776	655				100	0	-124				610		
5,8 g / 90 gr N509	2414	1756	1250				167 GEE	37	-51								
0	35	154															
6 mm BR Norma	4316044 ●	Scenar-L	900	828	759	693	511		100	0	-103	-375	-2602		670		
		5,8 g / 90 gr GB543	2349	1988	1670	1392	758		300	125	148	0	-1852				
0		18	76	180	838			600	434	765	926	0					
4316047 ●	Scenar-L	815	752	692	634	483	398	332	100	0	-134	-473	-3160	-6970	-13287	670	
6,8 g / 105 gr GB542	2258	1924	1627	1368	792	539	374	300	158	182	0	-2213	-5708	-11709			
0	19	80	189	862	1670	2845	600	527	919	1107	0	-2757	-8019				
6.5x47 Lapua	4316017 ●	Scenar-L	845	782	720	660	499	407		100	0	-121	-432	-2909	-6452	660	
		7,8 g / 120 gr GB547	2785	2382	2020	1699	970	645	300	144	167	0	-2045	-5300			
		0	18	76	178	826	1622	600	485	849	1023	0	-2573				
	4316011 ●	Scenar	850	792	736	681	532	444	362	100	0	-116	-412	-2720	-5919	-11138	660
	8,0 g / 123 gr GB489	2890	2510	2164	1856	1133	787	526	300	137	159	0	-1896	-4819	-9763		
	0	16	67	158	716	1394	2409	600	453	791	948	0	-2292	-6603			
4316016 ●	Scenar-L	800	745	692	641	502	423	355	100	0	-137	-479	-3116	-6744	-12593	660	
8,8 g / 136 gr GB546	2816	2444	2106	1806	1109	786	554	300	160	183	0	-2157	-5466	-10995			
0	17	72	168	759	1463	2478	600	519	902	1079	0	-2589	-7399				
4316012 ●	Scenar	820	769	719	671	539	459	386	100	0	-125	-439	-2822	-6031	-11115	660	
9,0 g / 139 gr GB458	3026	2662	2328	2029	1308	950	670	300	146	168	0	-1943	-4859	-9650			
0	15	63	146	653	1257	2143	600	470	815	971	0	-2268	-6411				
N316301 ●	Naturalis	807	668	550					100	0	-178				660		
9,1 g / 140 gr N563	2963	2033	1375				153 GEE	39	-99								
0	49	107															
6.5 Creedmoor	4316060 ● ●	Scenar	850	792	736	681	532	444	362	100	0	-116	-412	-2720	-5919	-11138	600
		8,0 g / 123 gr GB489	2890	2510	2164	1856	1133	787	526	300	137	159	0	-1896	-4819	-9763	
		0	16	67	158	716	1394	2409	600	453	791	948	0	-2292	-6603		
	4316063 ●	Scenar-L	835	780	725	673	529	446	375	100	0	-122	-430	-2814	-6087	-11351	600
8,8 g / 136 gr GB546	3068	2674	2314	1990	1233	877	618	300	143	165	0	-1953	-4939	-9916			
0	19	76	179	807	1564	2671	600	469	816	976	0	-2335	-6661				
N316401 ●	Naturalis	780	644	530					100	0	-194				600		
9,1 g / 140 gr N563	2768	1889	1279				148 GEE	39	-117								
0	52	112															
4316064 ●	Mega	780	704	633	566				100	0	-159	-566			600		
10,1 g / 156 gr E471	3072	2505	2022	1616			156 GEE	39	-80	-446							
0	26	110	261														
.260 Rem.	4316065 ●	Scenar-L	814	759	705	653	513	432	363	100	0	-131	-459	-2991	-6471	-12078	510
		8,8 g / 136 gr GB546	2915	2534	2188	1878	1157	821	579	300	153	175	0	-2073	-5247	-10547	
0	26	106	246	1104	2153	3716	600	498	866	1036	0	-2484	-7092				
6.5x55 SE	4316033 ● ●	FMJ	830	713	606	510				100	0	-194	-656			600	
		6,5 g / 100 gr S341	2239	1654	1195	845				300	219	244	0				
		0	37	161	394				159 GEE	40	-75	-462					
	4316035 ●	Scenar	800	730	664	601	433			100	0	-144	-509	-3504		740	
	6,5 g / 100 gr GB504	2080	1733	1433	1176	610			300	170	196	0	-2485				
	0	22	94	223	1047			600	584	1024	1242	0					
	4316031 ●	Scenar	900	833	767	703	532	431	341	100	0	-101	-368	-2523	-5618	-10865	740
7,0 g / 108 gr GB464	2835	2426	2059	1732	989	650	407	300	123	145	0	-1786	-4636	-9637			
0	17	71	167	773	1529	2690	600	420	740	893	0	-2254	-6659				
4316038 ●	Scenar-L	830	767	705	647	487	397		100	0	-127	-452	-3039	-6744	740		
7,8 g / 120 gr GB547	2687	2294	1941	1630	926	614		300	151	174	0	-2135	-5538				
0	19	78	184	851	1672		600	506	886	1067	0	-2692					
4316039 ●	Scenar-L	920	855	791	729	557	458	371	100	0	-95	-346	-2359	-5217	-9974	740	
7,8 g / 120 gr GB547	3301	2849	2441	2072	1211	819	538	300	115	136	0	-1667	-4293	-8820			
0	16	65	154	711	1397		2422	600	393	692	833	0	-2071	-6041			
NEW!	N316103 ●	TRX	835	762	689	621	443			100	0	-125	-457			510	
7,8 g / 120 gr N583	2719	2263	1853	1505	767			172 GEE	40	-41	-321						
0	24	101	241	1148													
4316032 ●	Scenar	830	773	717	663	516	429	350	100	0	-124	-438	-2880	-6271	-11822	740	
8,0 g / 123 gr GB489	2756	2387	2054	1759	1066	736	489	300	146	168	0	-2004	-5103	-10361			
0	17	70	164	745	1452	2515	600	480	836	1002	0	-2431	-7020				

METRIC DATA

CARTRIDGES - CENTERFIRE RIFLE

CARTRIDGES - CENTERFIRE RIFLE										● SPORT ● HUNTING ● TACTICAL AMMUNITION								
Caliber	Product no.	Bullet name Weight Code	Velocity [m/s]								Trajectory [mm]							Test barrel length [mm]
			Energy [J]								Rifle sighted in at [m]	Impact point above or below line of sight (Scope 40 mm above bore line)						
			Wind drift [mm] (Sidewind 4 m/s)															
			0 m	100 m	200 m	300 m	600 m	800 m	1000 m		100 m	200 m	300 m	600 m	800 m	1000 m		
6.5x55 SE (cont.)	4316036 ●	Scenar 8,0 g / 123 gr GB489	920 3386 0	860 2961 14	802 2575 59	745 2223 137	588 1384 624	495 979 1212	409 670 2086	100 300 600	0 112 374	-92 132 657	-336 0 787	-2245 -1574 0	-4877 -3982 -1884	-9129 -8010 -5387	740	
	4316040 ●	Scenar-L 8,8 g /136 gr GB546	815 2923 0	760 2541 17	706 2194 69	654 1883 163	514 1161 737	433 824 1420	363 580 2408	100 300 600	0 153 497	-130 175 864	-458 0 1033	-2982 -2067 0	-6453 -5232 -2476	-12042 -10516 -7071	740	
	4316030 ●	Scenar 9,0 g / 139 gr GB458	800 2880 0	749 2527 16	700 2207 65	653 1921 152	523 1231 680	445 890 1311	372 623 2238	100 300 600	0 156 498	-134 178 863	-467 0 1028	-2991 -2056 0	-6395 -5149 -2407	-11802 -10244 -6817	740	
	N316102 ●	Naturalis 9,1 g / 140 gr N563	800 2912 0	664 2005 50	546 1357 108					100 152 GEE	0 40	-181 -102					600	
	NEW!	4316041 ●	MaxRT 9,3 g / 144 gr GB582	835 3242 0	789 2897 14	745 2580 56	702 2291 131	582 1575 571	508 1201 1084	439 895 1820	100 300 600	0 134 429	-113 167 746	-402 0 885	-2574 -1770 0	-5424 -4352 -1992	-9806 -8465 -6817	740
		4316021 ●	Mega 10,1 g / 156 gr E471	780 3072 0	704 2505 26	633 2022 110	566 1616 261				100 156 GEE	0 39	-198 -80	-640 -446				740
7x64	N317322 ●	Naturalis 10,1 g / 156 gr N564	840 3563 0	733 2714 34	634 2032 144	544 1493 349				100 163 GEE	0 40	-144 -63	-534 -413				600	
7X65R	N317323 ●	Naturalis 10,1 g / 156 gr N564	840 3563 0	733 2714 34	634 2032 144	544 1493 349				100 163 GEE	0 40	-144 -63	-534 -413				600	
.308 Win. (7.62x51)	4317527 ● ●	FMJ 8,0 g / 123 gr S374	895 3204 0	782 2444 30	674 1815 132	571 1302 326				100 300 173 GEE	0 153 40	-121 185 -41	-460 0 -339				660	
			4317498 ●	Mega 9,7 g / 150 gr E469	850 3504 0	759 2794 27	675 2210 112	595 1717 269			100 300 168 GEE	0 159 40	-130 187 -50	-476 0 -359			660	
	NEW!	N317108 ●	TRX 9,7 g / 150 gr N585	840 3422 0	755 2764 28	674 2201 119	597 1727 284	396 762 1407			100 300 170 GEE	0 156 40	-127 186 -47	-469 0 -349			510	
		4317076 ● ●	Scenar-L 10,0 g / 155 gr GB552	860 3698 0	794 3151 18	730 2663 76	669 2235 180	503 1254 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
	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 HPS 11,0 g / 170 gr B476	840 3881 0	779 3337 18	718 2839 77	659 2392 182	493 1338 855	390 836 1724	310 527 3103	100 300 600	0 145 487	-122 168 852	-435 0 1027	-2924 -2054 0	-6522 -5362 -2623	-12765 -11315 -7891	660	
	43M7600 ● ● ●	Lock Base SEMI AUTO 11,0 g / 170 gr B476	744 3044 0	684 2575 23	626 2158 96	570 1788 228	411 931 1087	321 568 2228		100 300 600	0 196 658	-170 223 1147	-589 0 1386	-3951 -2772 0	-8683 -7391 -3694		400	
	4317105 ●	Naturalis 11,0 g / 170 gr N558	800 3520 27	717 2829 115	639 2243 115	566 1762 276				100 159 GEE	0 40	-151 -72	-543 -424				660	
	4317520 ● ●	Scenar-L 11,3 g / 175 gr GB550	793 3553 0	733 3039 19	675 2577 80	619 2166 190	468 1239 879	384 833 1720	323 588 2944	100 300 600	0 167 555	-143 191 968	-501 0 1165	-3332 -2329 0	-7362 -6025 -2919	-14087 -12415 -8532	660	
	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	
	4317189 ●	Mega 12,0 g / 185 gr E415	765 3511 0	677 2750 32	595 2124 137	519 1616 329				100 151 GEE	0 39	-174 -97	-627 -514				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 ●	FMJBT Subsonic 13,0 g / 200 gr B416	325 687 0	309 620 33	296 568 127	284 524 277				100 300 600	0 1033 1077	-988 1077	-3097 0				410 ¹⁾	
	.30-06 Spring.	4317577 ● ●	FMJ 8,0 g / 123 gr S374	895 3204 0	782 2444 30	674 1815 132	571 1302 326				100 300 173 GEE	0 153 40	-121 185 -41	-460 0 -339				600
NEW!		N317107 ●	TRX 10,7 g / 165 gr N584	830 3686 0	761 3101 23	695 2585 97	632 2135 230			100 300 170 GEE	0 151 40	-125 177 -46	-453 0 -338				570	
		N317106 ●	Naturalis 11,0 g / 170 gr N558	830 3789 26	746 3060 109	666 2437 260	591 1919 260			100 165 GEE	0 40	-137 -56	-495 -375				600	
4317563 ●		Mega 12,0 g / 185 gr E415	800 3837 0	710 3019 30	625 2344 128	547 1795 307				100 157 GEE	0 39	-155 -78	-561 -448				600	
4317567 ●		Mega 13,0 g / 200 gr E401	775 3892 0	693 3108 29	615 2453 123	543 1913 294				100 154 GEE	0 39	-165 -87	-589 -475				600	

CARTRIDGES - CENTERFIRE RIFLE										● SPORT ● HUNTING ● TACTICAL AMMUNITION							
Caliber	Product no.	Bullet name Weight Code	Velocity [m/s]							Trajectory [mm]							Test barrel length [mm]
			Energy [J]							Rifle sighted in at [m]	Impact point above or below line of sight (Scope 40 mm above bore line)						
			Wind drift [mm] (Sidewind 4 m/s)								100 m	200 m	300 m	600 m	800 m	1000 m	
			0 m	100 m	200 m	300 m	600 m	800 m	1000 m		100 m	200 m	300 m	600 m	800 m	1000 m	
.300 Win Mag. NEW!	N317205 ●	TRX 10,7 g / 165 gr N585	905 4382 0	834 3724 20	766 3136 84	699 2615 198	518 1435 927			100 300 187 GEE	0 119 39	-95 143 -18	-357 0 -241				570
	N317204 ●	Naturalis 11,0 g / 170 gr N558	902 4475 0	815 3654 26	732 2945 108	652 2339 258	452 1123 1249			100 300 178 GEE	0 134 40	-108 159 -29	-401 0 -282	-2940 -2139 -2702			600
	4317312 ●	Mega 12,0 g / 185 gr E415	830 4130 0	736 3251 33	649 2525 140	568 1934 336				100 163 GEE	0 40	-142 -62	-518 -398				600
	4317308 ● ●	Scenar 12,0 g / 185 gr GB432	900 4860 0	837 4207 29	776 3618 117	718 3089 269	551 1824 1229	0 1239 2447	370 821 4344	100 300 600	0 121 408	-100 142 716	-363 0 860	-2448 -4417 -2122	-5386 -9043 -6174	-10255 -9043 -6174	680
8x57 IRS	N318010 ●	Naturalis 11,7 g / 180 gr N559	805 3791 0	722 3054 28	643 2422 117	570 1900 281				100 163 GEE	0 40	-144 -64	-526 -406				600
8x57 IS	4318029 ● ●	OT 7,8 g / 120 gr G573	940 3446 0	811 2565 46	693 1875 193	586 1339 472				100 300 178 GEE	0 142 39	-110 174 -32	-427 0 -309	-3661 -2807 -3424			600
	N318009 ●	Naturalis 11,7 g / 180 gr N559	800 3744 0	718 3013 28	639 2388 119	566 1873 284				100 162 GEE	0 40	-147 -66	-535 -413				600
.338 Lapua Mag. (8.6x70)	N318020 ● ●	Naturalis 15,0 g / 231 gr N508	920 6348 0	835 5233 21	753 4251 88	674 3410 211	473 1678 1014			100 300 178 GEE	0 125 40	-100 149 -29	-374 0 -280	-2729 -1982 -2663			680
	4318017 ● ●	Scenar 16,2 g / 250 gr GB488	905 6634 0	856 5937 12	808 5294 48	762 4703 112	631 3225 495	551 2457 944	477 1840 1589	100 300 600	0 112 361	-93 131 628	-336 0 746	-2164 -3674 -1493	-4570 -8274 -13755	-8274 -7155 -4667	680
	4318033 ● ●	Lock Base 16,2 g / 250 gr B408	900 6561 0	850 5846 12	800 5179 51	751 4563 119	611 3023 535	525 1600 1035	444 2230 1768	100 300 600	0 114 372	-95 134 648	-343 0 772	-2231 -4753 -8711	-8274 -7567 -4993	-8711 -7567 -4993	680
	4318013 ● ●	Scenar 19,4 g / 300 gr GB528	830 6682 0	789 6038 12	750 5465 47	712 4917 109	605 3550 469	539 2818 880	478 2216 1457	100 300 600	0 136 421	-117 155 725	-407 0 855	-2524 -5231 0	-5231 -9289 -1865	-9289 -7932 -5082	680
9.3x62	4319012 ● ●	OT 12,0 g / 185 gr G574	845 4284 0	739 3275 36	641 2462 155	550 1818 374				100 300 164 GEE	0 174 40	-141 208 -61	-523 0 -403	-4159 -3113 -3919			600
	N319204 ●	Naturalis 16,2 g / 250 gr N560	740 4436 0	674 3683 25	611 3027 104	552 2472 247				100 150 GEE	0 39	-176 -98	-615 -498				600
	4319010 ●	Mega 18,5 g / 285 gr E433	690 4404 0	612 3461 35	539 2688 149	473 2069 357				100 140 GEE	0 39	-223 -147	-783 -673				600

TACTICAL CARTRIDGES

Caliber	Product no.	Bullet name Weight Code	Velocity [m/s] Energy [J] Crosswind drift [mm] (Sidewind 4 m/s)							Trajectory [mm]							Test barrel length [mm]
			0 m	100 m	200 m	300 m	600 m	800 m	1000 m	Rifle sighted in at [m]	Impact point above or below line of sight (Scope 40 mm above bore line)						
											100 m	200 m	300 m	600 m	800 m	1000 m	
6.5 Creedmoor	43M6001	Armour Piercing 9,4 g / 145 gr AP570	845	794	744	695	558	473	392	100	0	-116	-409	-2637	-5642	-10424	600
			3356	2963	2602	2273	1464	1052	724	300	136	157	0	-1819	-4550	-9059	
			0	15	62	145	650	1259	2169	600	440	763	909	0	-2125	-6027	
.308 Win.	4317076	Scenar-L 10,0 g / 155 gr GB552	860	794	730	669	503	408	331	100	0	-115	-414	-2813	-6265	-12106	660
			3698	3151	2663	2235	1264	833	548	300	138	161	0	-1984	-5160	-10726	
			0	18	76	180	831	1640	2857	600	469	822	992	0	-2515	-7418	
	43M7075	Armor Piercing 10,8 g / 167 gr AP555	855	786	718	589	472	369		100	0	-119	-430	-2978	-6788	660	
			3948	3334	2782	1873	1201	735		300	143	167	0	-2118	-5641		
			0	20	85	379	962	1946		600	496	873	1059	0	-2817		
	4317515	Scenar 10,85 g / 167 gr GB422	820	754	690	628	459	364		100	0	-132	-470	-3212	-7258	660	
			3648	3083	2579	2138	1144	717		300	157	181	0	-2271	-6003		
			0	20	85	200	946	1899		600	535	938	1135	0	-2975		
	4317596 HPS	Lock Base 11,0 g / 170 gr B476	840	779	718	659	493	390		100	0	-122	-435	-2924	-6522	660	
			3881	3337	2839	2392	1338	836		300	145	168	0	-2054	-5362		
			0	18	77	182	855	1724		600	487	852	1027	0	-2623		
4317520	Scenar-L 11,3 g / 175 gr GB550	793	733	675	619	468	384		100	0	-143	-501	-3332	-7362	660		
		3553	3039	2577	2166	1239	833		300	167	191	0	-2329	-6025			
		0	19	80	190	879	1720		600	555	968	1165	0	-2919			
4317523	Scenar 12,0 g / 185 gr GB432	755	697	640	585	438	356		100	0	-162	-563	-3735	-8288	660		
		3420	2911	2454	2052	1152	761		300	188	214	0	-2609	-6787			
		0	21	88	207	963	1898		600	622	1083	1304	0	-3308			
N317105	Naturalis 11,0 g / 170 gr N558	800	717	639	566				100	0	-151	-543			660		
		3520	2829	2243	1762				300	181	211	0					
		0	27	115	276				600								
4317590	D46 12,0 g / 185 gr D46	760	704	650	597	452	369		100	0	-157	-547	-3588	-7908	660		
		3466	2974	2533	2141	1228	815		300	182	207	0	-2495	-6450			
		0	20	82	193	895	1772		600	598	1039	1247	0	-3123			
4317340	Subsonic 13,0 g / 200 gr B416	325	309	296	284				100	0	-988	-3097			410 ¹⁾		
		687	620	568	524				300	1033	1077	0					
		0	33	127	277				600								
43M7643 SEMI-AUTO	Armour Piercing 10,8 g / 167 gr AP555	770	702	637	575	407			100	0	-155	-552	-3849		410		
		3202	2664	2193	1784	892			300	184	228	0	-2746				
		0	24	103	244	1170			600	642	1128	1373	0	-7046			
43M7600 SEMI-AUTO	Lock Base 11,0 g / 170 gr B476	744	684	626	570	411	321		100	0	-170	-589	-3951	-8683	410		
		3044	2575	2158	1788	931	568		300	196	223	0	-2772	-7391			
		0	23	96	228	1087	2228		600	658	1147	1386	0	-3694			

AP and API ammunition are available for military and law enforcement use only.

METRIC DATA

TACTICAL CARTRIDGES

Caliber	Product no.	Bullet name Weight Code	Velocity [m/s] Energy [J] Crosswind drift [mm] (Sidewind 4 m/s)										Trajectory [mm]										Test barrel length [mm]	
													Rifle sighted in at [m]	Impact point above or below line of sight (Scope 40 mm above bore line)										
			0 m	100 m	200 m	300 m	600 m	800 m	1000 m	1200 m	1500 m	100 m		200 m	300 m	600 m	800 m	1000 m	1200 m	1500 m				
.338 Lapua Mag.	N318020	Naturalis	920	835	753	674	473					100	0	-100	-374	-2729					680			
		15,0 g / 231 gr	6348	5233	4251	3410	1678					300	125	149	0	-1982								
		N508	0	21	88	211	1014					600	40	-29	-280	-2663								
	4318017	Scenar	905	856	808	762	631	551	477	409	328	100	0	-93	-336	-2164	-4570	-8274	-13721	-26585	680			
		16,2 g / 250 gr	6634	5937	5294	4703	3225	2457	1840	1353	874	300	112	131	0	-1493	-3674	-7155	-12377	-24904				
		GB488	0	12	48	112	495	944	1589	2489	4392	600	361	628	746	0	-1684	-4667	-9390	-21168				
	4318033	Lock Base	900	850	800	751	611	525	444	372	310	100	0	-95	-343	-2231	-4753	-8711	-14679	-29281	680			
		16,2 g / 250 gr	6561	5846	5179	4563	3023	2230	1600	1118	778	300	114	134	0	-1544	-3838	-7567	-13305	-27561				
		B408	0	12	51	119	535	1035	1768	2819	5012	600	372	648	772	0	-1779	-4993	-10214	-23695				
	4318035	Armour Piercing	905	848	794	741	595	509	431	363	308	100	0	-96	-346	-2282	-4901	-9046	-15324	-30594	680			
16,1 g / 248 gr		6593	5794	5069	4417	2851	2084	1496	1063	763	300	115	135	0	-1589	-3977	-7891	-13937	-28858					
AP485		0	14	57	133	593	1138	1928	3038	5275	600	380	665	794	0	-1859	-5243	-10758	-24881					
4318048	Armour Piercing Incendiary	895	838	782	727	574	481	396	331	288	100	0	-100	-361	-2386	-5172	-9679	-16714	-34161	680				
	16,4 g / 253 gr	6568	5757	5014	4338	2699	1896	1288	900	682	300	120	140	0	-1665	-4210	-8476	-15271	-32354					
	API526	0	15	62	146	662	1292	2232	3562	6129	600	398	695	832	0	-1990	-5701	-11940	-28187					
4318013	Scenar	820	780	741	703	597	532	471	416	344	100	0	-122	-422	-2609	-5404	-9595	-15565	-29006	680				
	19,4 g / 300 gr	6536	5907	5330	4801	3462	2747	2157	1679	1152	300	141	160	0	-1765	-4278	-8188	-13876	-26894					
	GB528	0	12	47	109	469	880	1457	2245	3852	600	421	725	855	0	-1865	-5082	-10021	-21766					
43M8055	Armour Piercing	830	787	746	705	591	522	459	401	331	100	0	-118	-413	-2583	-5391	-9647	-15737	-29738	680				
	19,4 g / 300 gr	6682	6008	5398	4821	3388	2643	2044	1560	1063	300	138	157	0	-1757	-4289	-8270	-14090	-27678					
	AP529	0	13	53	123	536	1014	1685	2490	4010	600	431	743	878	0	-1946	-5342	-10587	-23297					
43M8052	Armour Piercing Incendiary	830	792	754	716	608	541	479	394	344	100	0	-116	-406	-2512	-5206	-9248	-15012	-28053	680				
	19,4 g / 300 gr	6682	6085	5516	4970	3582	2839	2224	1503	1146	300	135	154	0	-1701	-4124	-7895	-13389	-26022					
	API571	0	11	47	109	483	915	1523	2342	4060	600	419	721	850	0	-1856	-5060	-9987	-21768					

CARTRIDGES - CENTERFIRE RIFLE										● SPORT ● HUNTING ● TACTICAL AMMUNITION									
Caliber	Product no.	Bullet name Weight Code	Velocity [fps]								Trajectory [in]							Test barrel length [in]	
			Energy [ft.-lbs.]								Rifle sighted in at [yd]	Impact point above or below line of sight (Scope 1.6 in above bore line)							
			Wind drift [in] (Sidewind 13 fps)									100 yd	200 yd	300 yd	600 yd	800 yd	1000 yd		
			0 yd	100 yd	200 yd	300 yd	600 yd	800 yd	1000 yd										
.222 Rem. (5.7x43)	4315021 ● ●	FMJ 3,6 g / 55 gr S569	2887 1028 0	2525 786 1	2190 592 5	1882 437 13				100 184 PBR	0 2	-4 -1	-15 -10				24		
	4315030 ●	SP 3,6 g / 55 gr E539	2887 1028 0	2383 701 2	1954 471 7	1599 315 17				100 300 175 PBR	0 6 1,6	-5 8 -1	-18 0 -14				24		
	N315025 ●	Naturalis 3,2 g / 50 gr N566	3166 1099 0	2676 785 1,3	2230 545 5,8	1845 373 14,3				100 198 PBR	0 1,5	-3 0	-14 -9				24		
.223 Rem.	4315042 ● ● ●	FMJ 3,6 g / 55 gr S569	3133 1211 0	2751 933 1	2399 710 5	2074 531 11	1289 205 56			100 300 198 PBR	0 4 1	-3 5 0	-12 0 -8	-101 -77 -93			26		
	N315026 ●	Naturalis 3,2 g / 50 gr N566	3330 1216 0	2833 880 1	2369 615 5	1964 423 13				100 202 PBR	0 1	-3 0	-12 -8						
	4315015 ● ●	Scenar-L 4,5 g / 69 gr GB544	2723 1143 0	2463 935 1	2219 759 4	1990 611 9	1385 296 41			100 300 600	0 5 19	-4 6 33	-15 0 41	-112 -81 0			20		
.243 Win.	4316052 ● ●	FMJ 5,8 g / 90 gr S561	2905 1677 0	2637 1382 1	2384 1130 3	2146 915 8	1522 460 37			100 300 192 PBR	0 4 1,5	-3 5 0	-13 0 -8	-95 -69 -81			24		
	N316201 ●	Naturalis 5,8 g / 90 gr N509	2985 1780 0	2582 1332 1	2213 978 5					100 183 PBR	0 1,4	-4 -1					24		
6 mm BR Norma	4316044 ●	Scenar-L 5,8 g / 90 gr GB543	2950 1729 0	2733 1485 1	2525 1267 2	2325 1074 6	1772 624 27			100 300 600	0 4 13	-3 5 24	-12 0 29	-81 -58 0			26		
	4316047 ●	Scenar-L 6,8 g / 105 gr GB542	2674 1666 0	2485 1439 1	2303 1236 3	2128 1055 6	1661 643 27	1396 454 53	1169 319 89	100 300 600	0 5 16	-4 6 29	-15 0 34	-98 -69 0	-215 -175 -83	-403 -354 -239	26		
6.5x47 Lapua	4316017 ●	Scenar-L 7,8 g / 120 gr GB547	2772 2053 0	2582 1781 1	2395 1533 2	2215 1311 6	1720 790 26	1433 549 51		100 300 600	0 4 15	-4 5 26	-13 0 32	-90 -64 0	-198 -163 -78		26		
	4316011 ●	Scenar 8,0 g / 123 gr GB489	2790 2134 0	2616 1876 1	2446 1640 2	2281 1426 5	1826 914 23	1553 661 44	1301 464 75	100 300 600	0 4 14	-3 5 25	-13 0 30	-85 -59 0	-183 -149 -70	-339 -297 -198	26		
	4316016 ●	Scenar-L 8,8 g / 136 gr GB546	2625 2077 0	2461 1825 1	2300 1595 2	2145 1387 5	1720 892 24	1472 653 46	1284 497 76	100 300 600	0 5 16	-4 6 28	-15 0 34	-97 -68 0	-209 -169 -79	-385 -336 -223	26		
	4316012 ●	Scenar 9,0 g / 139 gr GB458	2690 2231 0	2537 1985 0	2387 1757 2	2242 1550 5	1839 1043 21	1594 784 40	1366 576 67	100 300 600	0 5 15	-4 5 26	-14 0 31	-88 -61 0	-188 -151 -70	-342 -297 -195	26		
	N316301 ●	Naturalis 9,1 g / 140 gr N563	2648 2186 0	2230 1550 2	1848 1064 4					100 165 PBR	0 1,6	-5,5 -2,4					26		
	6.5 Creedmoor	4316060 ● ●	Scenar 8,0 g / 123 gr GB489	2790 2134 0	2616 1876 1	2446 1640 2	2281 1426 5	1826 914 23	1553 661 44	1301 464 75	100 300 600	0 4 14	-3 5 25	-13 0 30	-85 -59 0	-183 -149 -70	-339 -297 -198	24	
4316063 ●		Scenar-L 8,8 g / 136 gr GB546	2740 2263 0	2573 1996 1	2409 1750 3	2250 1527 6	1812 990 26	1554 728 50	1326 530 85	100 300 600	0 4 15	-4 5 26	-13 0 31	-88 -61 0	-189 -153 -71	-348 -303 -201	24		
N316401 ●		Naturalis 9,1 g / 140 gr N563	2559 2042 0	2150 1441 2	798 1008 4					100 160 PBR	0 1,6	-6 -3					24		
4316064 ●		Mega 10,1 g / 156 gr E471	2560 2254 0	2332 1871 1	2116 1540 4	1912 1257 8				100 171 PBR	0 1,6	-5 -2	-17 -13				24		
.260 Rem.	4316065 ●	Scenar-L 8,8 g / 136 gr GB546	2671 2150 0	2505 1892 1	2343 1655 3	2186 1441 8	1756 930 36	1504 682 69	1283 496 117	100 300 600	0 4,8 16	-4,0 5,6 27	-14 0 33	-94 -65 0	-201 -163 -76	-370 -322 -214	24		
6.5x55 SE	4316033 ● ●	FMJ 6,5 g / 100 gr S341	2725 1649 0	2374 1251 1	2049 932 5	1752 682 13				100 300 174 PBR	0 6 1,6	-5 7 -2	-17 0 -13				29		
	4316035 ●	Scenar 6,5 g / 100 gr GB504	2620 1529 0	2411 1294 1	2211 1088 3	2021 909 7	1506 505 33			100 300 600	0 5 18	-4 6 32	-16 0 39	-109 -77 0			29		
	4316031 ●	Scenar 7,0 g / 108 gr GB464	2950 2087 0	2748 1811 1	2550 1560 2	2358 1333 5	1832 805 25	1521 555 48	1238 367 83	100 300 600	0 4 13	-3 5 23	-11 0 28	-78 -56 0	-173 -142 -68	-328 -290 -197	29		
6.5x55 SE (cont.)	4316038 ●	Scenar-L 7,8 g / 120 gr GB547	2723 1981 0	2534 1715 1	2348 1474 3	2170 1258 6	1681 755 27	1399 523 53		100 300 600	0 5 16	-4 5 28	-14 0 33	-94 -66 0	-207 -170 -81		29		
	4316039 ●	Scenar-L 7,8 g / 120 gr GB547	3018 2434 0	2822 2128 1	2631 1849 2	2443 1595 5	1919 984 23	1609 692 44	1335 476 76	100 300 600	0 4 12	-3 4 22	-11 0 26	-73 -52 0	-160 -132 -63	-302 -267 -180	29		
	NEW! 4316103 ●	TRX 7,8 g / 120 gr N583	2740 2006 0	2520 1697 1	2302 1416 3	2095 1172 8	1610 692 37			100 188 PBR	0 2	-4 -1	-14 -9				20		
	4316032 ●	Scenar 8,0 g / 123 gr GB489	2720 2028 0	2548 1779 1	2379 1551 2	2217 1347 5	1769 858 24	1501 617 46	1253 430 79	100 300 600	0 5 15	-4 5 26	-14 0 31	-90 -63 0	-194 -158 -74	-361 -316 -211	29		

IMPERIAL DATA

IMPERIAL DATA

CARTRIDGES - CENTERFIRE RIFLE										● SPORT ● HUNTING ● TACTICAL AMMUNITION									
Caliber	Product no.	Bullet name Weight Code	Velocity [fps]							Trajectory [in]							Test barrel length [in]		
			Energy [ft.-lbs.]							Rifle sighted in at [yd]	Impact point above or below line of sight (Scope 1.6 in above bore line)								
			Wind drift [in] (Sidewind 13 fps)								100 yd	200 yd	300 yd	600 yd	800 yd	1000 yd			
NEW!	4316036 ●	Scenar 8,0 g / 123 gr GB489	3015 2492 0	2836 2204 0	2661 1941 2	2490 1699 4	2010 1108 20	1722 813 38	1457 582 65	100 300 600	0 3 12	-3 4 21	-10 0 25	-70 -49 0	-151 -124 -58	-280 -245 -163	29		
	4316040 ●	Scenar-L 8,8 g / 136 gr GB546	2674 2156 0	2509 1897 1	2347 1660 2	2190 1445 5	1759 933 24	1506 684 45	1285 498 76	100 300 600	0 5 16	-4 6 27	-14 0 32	-93 -65 0	-200 -162 -76	-369 -321 -213	29		
	4316030 ●	Scenar 9,0 g / 139 gr GB458	2625 2125 0	2473 1886 1	2325 1667 2	2183 1469 5	1786 983 23	1545 736 44	1332 547 71	100 300 600	0 5 16	-4 5 27	-15 0 33	-94 -62 0	-200 -152 -74	-365 -298 -208	24		
	N316102 ●	Naturalis 9,1 g / 140 gr N563	2625 2148 0	2209 1522 2	1847 1064 4					100 164 PBR	0 1,6	-6 -3					29		
	4316041 ●	MaxRT 9,3 g / 144 gr GB582	2740 2391 0	2603 2158 0	2469 1942 2	2339 1743 4	1974 1242 19	1749 975 35	1536 752 58	100 300 600	0 4 14	-3 5 24	-12 0 28	-81 -56 0	-170 -137 -62	-304 -269 -170	29		
	4316021 ●	Mega 10,1 g / 156 gr E471	2560 2254 0	2332 1871 1	2116 1540 4	1912 1257 8				100 171 PBR	0 1,6	-5 -2	-17 -13				24		
7x64	N317322 ●	Naturalis 10,1 g / 156 gr N564	2756 2628 0	2434 2050 0	2135 1577 0	1858 1194 11				100 173 PBR	0 1,6	-4 -1	-16 -12				24		
7X65R	N317323 ●	Naturalis 10,1 g / 156 gr N564	2756 2628 0	2434 2050 0	2135 1577 0	1858 1194 11				100 173 PBR	0 1,6	-4 -1	-16 -12				24		
.308 Win.	4317527 ● ●	FMJ 8,0 g / 123 gr S374	2935 2361 0	2594 1845 1	2268 1410 4	1955 1048 10				100 300 189 PBR	0 5 1,5	-4 6 -1	-14 0 -9				26		
	4317498 ●	Mega 9,7 g / 150 gr E469	2790 2592 0	2517 2110 1	2261 1702 4	2019 1357 9				100 300 184 PBR	0 5 1,6	-4 6 -1	-15 0 -10				26		
	NEW! 4317108 ●	TRX 9,7 g / 150 gr N585	2755 2522 0	2499 2076 1	2254 1689 4	2021 1357 9	1399 651 45			100 300 183 PBR	0 5 2	-4 6 -1	-15 0 -10				20		
	4317076 ● ●	Scenar-L 10,0 g / 155 gr GB552	2820 2725 0	2621 2354 1	2428 2020 2	2243 1723 6	1735 1031 26	1439 710 52	1182 478 89	100 300 600	0 4 15	-3 5 26	-13 0 31	-87 -62 0	-192 -158 -76	-365 -323 -220	26		
	4317515 ● ●	Scenar 10,85 g / 167 gr GB422	2690 2690 0	2491 2307 1	2297 1962 3	2110 1656 6	1595 945 30	1295 623 59		100 300 600	0 5 17	-4 6 29	-15 0 35	-99 -70 0	-221 -183 -89		26		
	4317596 HPS ● ● ●	Lock Base 11,0 g / 170 gr B476	2756 2867 0	2573 2498 1	2391 2157 2	2213 1848 6	1708 1101 27	1393 733 54	1103 459 95	100 300 600	0 4 15	-4 5 27	-13 0 32	-91 -64 0	-200 -164 -79	-382 -337 -231	16		
	43M7600 SEMI AUTO ● ● ●	Lock Base 11,0 g / 170 gr B476	2441 2245 0	2262 1928 1	2087 1642 3	1918 1386 7	1436 777 34	1139 489 69		100 300 600	0 6 20	-5 7 36	-18 0 43	-123 -86 0	-274 -225 -110		26		
	N317105 ●	Naturalis 11,0 g / 170 gr N558	2625 2596 1	2376 2128 4	2138 1723 9	1916 1383 9	1368 706 42	1124 476 81	1007 382 133	100 174 PBR	0 2	-5 -1	-17 -12	-120 -111	-277 -265	-543 -528	26		
	4317520 ● ●	Scenar-L 11,3 g / 175 gr GB550	2602 2621 0	2423 2273 1	2248 1957 3	2078 1672 6	1615 1010 28	1350 705 54	1125 490 93	100 300 600	0 5 17	-4 6 30	-16 0 36	-104 -73 0	-226 -185 -88	-426 -375 -254	26		
	4317523 ● ●	Scenar 12,0 g / 185 gr GB432	2475 2518 0	2299 2174 1	2128 1861 3	1962 1583 7	1512 940 32	1254 647 62		100 300 600	0 6 20	-5 7 34	-18 0 41	-116 -82 0	-256 -209 -100		26		
	4317189 ●	Mega 12,0 g / 185 gr E415	2690 2901 0	2441 2388 1	2200 1940 4	1972 1559 9				100 165 PBR	0 1,6	-5 -2	-19 -15				26		
	4317590 ● ● ●	FMJBT 12,0 g / 185 gr D46	2490 2549 0	2322 2216 1	2159 1916 3	2000 1645 6	1558 998 28	1296 690 56		100 300 600	0 6 19	-5 7 33	-17 0 39	-112 -78 0	-244 -199 -95		16		
	4317340 ●	FMJBT 13,0 g / 200 gr B416	1066 506 0	1017 461 1	977 425 4	941 394 9				100 300 600	0 33	-32 35	-100 0				24		
	.30-06 Spring.	4317577 ● ●	FMJ 8,0 g / 123 gr S374	2935 2361 0	2594 1845 1	2268 1410 4	1955 1048 10				100 300 189 PBR	0 5 1,5	-4 6 -1	-14 0 -9				24	
NEW! 4317107 ●		TRX 10,7 g / 165 gr N584	2723 2718 0	2517 2322 1	2317 1968 3	2125 1655 8	1601 939 35			100 300 183 PBR	0 5 2	-4 6 -1	-14 0 -10				23		
N317106 ●		Naturalis 11,0 g / 170 gr N558	2723 2795 0	2470 2300 1	2228 1871 4	1999 1506 8				100 180 PBR	0 1,5	-4 -1	-15 -11				24		
4317563 ●		Mega 12,0 g / 185 gr E415	2625 2831 0	2353 2275 1	2098 1808 4	1859 1420 10				100 172 PBR	0 1,6	-5 -1	-17 -13				24		
4317567 ●		Mega 13,0 g / 200 gr E401	2545 2876 0	2297 2342 1	2063 1889 4	1843 1508 9				100 168 PBR	0 1,6	-5 -2	-18 -14				24		

CARTRIDGES - CENTERFIRE RIFLE

CARTRIDGES - CENTERFIRE RIFLE										● SPORT ● HUNTING ● TACTICAL AMMUNITION							
Caliber	Product no.	Bullet name Weight Code	Velocity [fps]							Trajectory [in]							Test barrel length [in]
			Energy [ft.-lbs.]							Rifle sighted in at [yd]	Impact point above or below line of sight (Scope 1.6 in above bore line)						
			Wind drift [in] (Sidewind 13 fps)								100 yd	200 yd	300 yd	600 yd	800 yd	1000 yd	
			0 yd	100 yd	200 yd	300 yd	600 yd	800 yd	1000 yd		100 yd	200 yd	300 yd	600 yd	800 yd	1000 yd	
.300 Win Mag. <i>NEW!</i>	N317205	TRX 10,7 g / 165 gr N585	2969 3232 0	2757 2786 1	2550 2383 3	2349 2023 6	1794 1180 30			100 300 200 PBR	0 4 2	-3 5 0	-11 0 -7				23
	N317204	Naturalis 11,0 g / 170 gr N558	2959 3300 0	2698 2744 1	2447 2256 4	2205 1833 8	1579 940 40			100 300 195 PBR	0 4,1 1,5	-3,2 5,0 -0,2	-12 0 -7,8	-90 -65 -81			24
	4317312	Mega 12,0 g / 185 gr E415	2723 3046 0	2441 2744 1	2177 2256 5	1929 1833 11				100 178 PBR	0 1,6	-4,3 -1,2	-16 -11				24
	4317308	Scenar 12,0 g / 185 gr GB432	2953 3585 0	2765 3142 1	2581 2739 4	2403 2375 9	1897 1479 39	1595 1047 77	1327 724 135	100 300 600	0 3,7 13	-3,0 4,5 22	-11 0 27	-76 -54 0	-166 -136 -64	-311 -274 -184	27
8x57 IRS	N318010	Naturalis 11,7 g / 180 gr N559	2641 2796 0	2393 2296 1	2154 1860 4	1930 1493 17				100 174 PBR	0 1,6	-5 -1	-17 -12				24
8x57 IS	4318029	OT 7,8 g / 120 gr G573	3084 2542 0	2695 1941 1	2339 1461 6	2010 1079 15				100 300 194 PBR	0 4,3 1,5	-3,2 5,4 -0,3	-13 0 -8,4				24
	N318009	Naturalis 11,7 g / 180 gr N559	2625 2762 0	2378 2266 1	2140 1835 4	1916 1471 17				100 174 PBR	0 1,6	-5 -1	-17 -12				24
.338 Lapua Mag. (8.6x70)	N318020	Naturalis 15,0 g / 231 gr N508	3018 4681 0	2764 3925 1	2515 3251 3	2276 2663 7	1651 1401 32			100 300 200 PBR	0 4 1	-3 5 0	-11 0 -7	-83 -61 -75			27
	4318017	Scenar 16,2 g / 250 gr GB488	2970 4896 0	2823 4424 0	2680 3985 2	2539 3579 4	2141 2545 16	1896 1994 30	1666 1540 50	100 300 600	0 3 11	-3 4 20	-10 0 24	-68 -47 0	-143 -116 -52	-258 -223 -143	27
	4318033	Lock Base 16,2 g / 250 gr B408	2953 4896 0	2802 4356 0	2652 3902 2	2504 3479 4	2080 2401 17	1816 1831 33	1568 1365 55	100 300 600	0 4 12	-3 4 20	-11 0 24	-70 -49 0	-148 -120 -55	-268 -233 -152	27
	4318013	Scenar 19,4 g / 300 gr GB528	2690 4821 0	2569 1395 0	2451 4001 2	2337 3638 4	2015 2704 15	1816 2196 28	1629 1767 46	100 300 600	0 4 14	-4 5 24	-13 0 28	-82 -56 0	-170 -135 -60	-300 -257 -163	27
9.3x62	4319012	OT 12,0 g / 185 gr G574	2772 3160 0	2453 2473 1	2155 1909 5	1879 1452 12				100 300 179 PBR	0 5,3 1,6	-4,2 6,4 -1,1	-16 0 -11				24
	N319204	Naturalis 16,2 g / 250 gr N560	2428 3272 0	2230 2761 1	2040 2310 3	1861 1922 8				100 164 PBR	0 1,6	-5 -2	-19 -14				24
	4319010	Mega 18,5 g / 285 gr E433	2265 3246 0	2029 2606 1	1809 2071 5	1606 1632 11				100 153 PBR	0 1,6	-7 -4	-24 -20				24

TACTICAL CARTRIDGES

TACTICAL CARTRIDGES										¹) NOTE: Required twist is 1 turn in 10" or faster. Maximum barrel length 18".								
Caliber	Product no.	Bullet name 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 [yd]	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		
6.5 Creedmoor	43M6001	Armour Piercing 9,4 g / 145 gr AP570	2772	2619	2469	2322	1906	1646	1399	100	0	-3	-13	-83	-176	-320	24	
			2475	2209	1963	1736	1169	873	630	300	4	5	0	-57	-142	-278		
			0	0	2	5	21	40	68	600	14	24	29	0	-65	-183		
.308 Win. (7.62x51)	4317076	Scenar-L 10,0 g / 155 gr GB552	2820	2621	2428	2243	1735	1439	1182	100	0	-3	-13	-87	-192	-365	26	
			2725	2354	2020	1723	1031	710	478	300	4	5	0	-62	-158	-323		
			0	1	2	6	26	52	89	600	15	26	31	0	-76	-220		
	43M7075	Armour Piercing 10,8 g / 167 gr AP555	2805	2597	2392	2002	1642	1320	1052	100	0	-4	-13	-92	-206	-402	26	
			2912	2496	2118	1483	997	644	409	300	4	5	0	-65	-171	-358		
			0	1	3	7	31	61	108	600	15	27	33	0	-84	-249		
	4317515	Scenar 10,85 g / 167 gr GB422	2690	2491	2297	2110	1595	1295		100	0	-4	-15	-99	-221		26	
			2690	2307	1962	1656	945	623		300	5	6	0	-70	-183			
	4317596	Lock Base 11,0 g / 170 gr B476	2756	2573	2391	2213	1708	1393		100	0	-4	-13	-91	-200		26	
			2867	2498	2157	1848	1101	733		300	4	5	0	-64	-164			
	4317520	Scenar-L 11,3 g / 175 gr GB550	2602	2423	2248	2078	1615	1350		100	0	-4	-16	-104	-226		26	
			2621	2273	1957	1672	1010	705		300	5	6	0	-73	-185			
4317523	Scenar 12,0 g / 185 gr GB432	2475	2299	2128	1962	1512	1254		100	0	-5	-18	-116	-255		26		
		2518	2174	1861	1583	940	647		300	6	7	0	-81	-208				
N317105	Naturalis 11,0 g / 170 gr N558	2625	2376	2138	1916				100	0	-5	-17				26		
		2596	2128	1723	1383				300	-6	1	0						
4317590	D46 12,0 g / 185 gr D46	2490	2322	2159	2000	1558	1296		100	0	-5	-17	-112	-244		26		
		2549	2216	1916	1645	998	690		300	6	7	0	-78	-199				
4317340	Subsonic 13,0 g / 200 gr B416	1066	1017	977	941				100	0	-32	-100				16¹)		
		506	461	425	394				300	33	35	0						
43M7643	Armour Piercing SEMI-AUTO 10,8 g / 167 gr AP555	2526	2323	2126	1937	1420			100	0	-5	-17	-120			16		
		2361	1997	1673	1389	746			300	6	7	0	-85					
43M7600	Lock Base SEMI-AUTO 11,0 g / 170 gr B476	2441	2262	2087	1918	1436	1139		100	0	-5	-18	-123	-274		16		
		2245	1928	1642	1386	777	489		300	6	7	0	-86	-225				
			0	1	3	7	34	69		600	20	36	43	0	-110			
AP and API ammunition are available for military and law enforcement use only																		

AP and API ammunition are available for military and law enforcement use only.

IMPERIAL DATA

TACTICAL CARTRIDGES

Caliber	Product no.	Bullet name Weight Code	Velocity [fps] Energy [ft.-lbs.] Crosswind drift [in] (Sidewind 9 mph)										Trajectory [inch]										Test barrel length [inch]
			0 yd	100 yd	200 yd	300 yd	600 yd	800 yd	1000 yd	1200 yd	1500 yd	Rifle sighted in at [yd]	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	1200 yd	1500 yd			
.338 Lapua Mag.	N318020	Naturalis 15,0 g / 231 gr N508	3018	2764	2515	2276	1651						100	0	-3	-11	-83						27
			4681	3925	3251	2663	1401						300	4	5	0	-61						
			0	1	3	7	32						600	1	0	-7	-75						
	4318017	Scenar 16,2 g / 250 gr GB488	2970	2823	2680	2539	2141	1896	1666	1453	1171	100	0	-3	-10	-68	-143	-258	-420	-797	27		
			4896	4424	3985	3579	2545	1994	1540	1172	761	300	3	4	0	-47	-116	-223	-379	-746			
			0	0	2	4	16	30	50	78	136	600	11	20	24	0	-52	-143	-285	-628			
	4318033	Lock Base 16,2 g / 250 gr B408	2953	2802	2652	2504	2080	1816	1568	1338	1068	100	0	-3	-11	-70	-148	-268	-446	-868	27		
			4896	4356	3902	3479	2401	1831	1365	994	633	300	4	4	0	-49	-120	-233	-404	-815			
0			0	2	4	17	33	55	87	156	600	12	20	24	0	-55	-152	-306	-693				
4318035	Armor Piercing 16,1 g / 248 gr AP485	2970	2800	2635	2475	2030	1764	1520	1302	1061	100	0	-3	-11	-73	-153	-279	-464	-907	27			
		4866	4324	3829	3379	2274	1716	1275	935	621	300	4	4	0	-50	-124	-244	-422	-854				
		0	0	2	4	19	36	61	95	166	600	12	21	25	0	-57	-159	-322	-729				
4318048	Armor Piercing Incendiary 16,4 g / 253 gr API526	2936	2765	2597	2432	1964	1679	1415	1304	1064	100	0	-3	-11	-74	-160	-296	-502	-1006	27			
		4845	4295	3788	3323	2168	1584	1125	955	636	300	4	4	0	-52	-131	-259	-457	-951				
		0	0	2	5	21	41	70	94	164	600	12	22	26	0	-61	-172	-353	-820				
4318013	Scenar 19,4 g / 300 gr GB528	2690	2569	2451	2337	2015	1816	1629	1453	1224	100	0	-4	-13	-82	-170	-300	-483	-887	27			
		4821	1395	4001	3638	2704	2196	1767	1410	996	300	4	5	0	-56	-135	-257	-431	-821				
		0	0	2	4	15	28	46	71	121	600	14	24	28	0	-60	-163	-318	-680				
43M8055	Armor Piercing 19,4 g / 300 gr AP529	2723	2595	2470	2347	2000	1788	1591	1411	1171	100	0	-4	-13	-81	-169	-301	-486	-903	27			
		4934	4481	4060	3666	2662	2128	1685	1325	913	300	4	5	0	-56	-135	-258	-435	-839				
		0	0	2	4	17	32	54	78	133	600	14	24	28	0	-61	-165	-324	-700				
43M8052	Armor Piercing Incendiary 19,4 g / 300 gr API571	2723	2609	2496	2380	2052	1848	1657	1477	1230	100	0	-4	-13	-79	-164	-289	-466	-856	27			
		4929	4525	4140	3766	2799	2271	1824	1450	1005	300	4	5	0	-54	-130	-247	-415	-793				
		0	0	2	4	16	29	49	75	128	600	13	23	27	0	-58	-157	-307	-658				
AP and API ammunition are available for military and law enforcement use only.																							

COMPONENTS - CENTERFIRE RIFLE

CALIBER	BRASS CASES		BULLETS											
	Product No.	Designation	Product No.	Bullet name	Product code	Type	Bullet diameter		Weight		Ballistic coefficient	Ballistic coefficient		
							mm	in	g	grs			BC G1	BC G7
5.69 mm (.224)	4PH5002	.222 Rem.	4 PL 5006	Soft Point	E539	SP	5.69	.224	3.60	55	0.185			
	4PH5003	.223 Rem.	4 PL/HL 5017	FMJ	S569	FMJ	5.69	.224	3.60	55	0.255			
	4PH5013	.220 Russian	4 PL/HL 5015	Scenar-L	GB544	OTM	5.69	.224	4.50	69	0.341	0.171		
	4PH5001	.22-250 Rem.	4 PL/HL 5016	Scenar-L	GB545	OTM	5.69	.224	5.00	77	0.386	0.193		
			N PL 5001	Naturalis	N566	CEX	5.69	.224	3.20	50	0.197			
6 mm (.243)	4PH6009	.243 Win.	N PL 6201	Naturalis	N509	CEX	6.16	.243	5.80	90	0.230			
	4PH6022	6 mm Creedmoor	4 PL/HL 6055	Scenar-L	GB543	OTM	6.18	.243	5.80	90	0.434	0.216		
	4PH6046	6 mm BR Norma	4 PL/HL 6050	Scenar-L	GB542	OTM	6.18	.243	6.80	105	0.472	0.236		
6.5 mm (.264)	4PH6012	6.5 x 55 SE	4 PL/HL 6014	FMJ	S341	FMJ	6.71	.264	6.50	100	0.250			
	4PH6030	6.5 - 284 Norma	4 PL/HL 6015	FMJ Cutting Edge	S496	FMJCE	6.71	.264	6.50	100	0.250			
	4PH6010	6.5 x 47 Lapua	4 PL/HL 6033	Scenar	GB504	OTM	6.71	.264	6.50	100	0.424	0.212		
	4PH6020	6.5 Grendel	4 PL/HL 6020	Scenar	GB464	OTM	6.71	.264	7.00	108	0.465	0.231		
	4PH6050	.260 Rem.	4 PL/HL 6032	Scenar	GB489	OTM	6.71	.264	8.00	123	0.527	0.263		
	(Small Rifle Primer) (Large Rifle Primer)	4PH6011	6.5 Creedmoor	4 PL/HL 6021	Scenar-L	GB547	OTM	6.71	.264	7.80	120	0.497	0.246	
		4PH6013	6.5 Creedmoor	4 PL/HL 6019	Scenar-L	GB546	OTM	6.71	.264	8.80	136	0.545	0.274	
		4PH6023	6.5 PRC	4HL/PL6022	Max Range Target	GB582	OTM	6,71	.264	9,30	144	0.670	0,335	
				4 PL/HL 6018	Scenar	GB458	OTM	6.71	.264	9.00	139	0.578	0.290	
				4 PL/HL 6000	FMJ	B343	FMJBT	6.71	.264	9.30	144	0.636		
				N PL 6203	Naturalis	N563	CEX	6.71	.264	9.10	140	0.201		
				4 PL 6022	MaxRange Target	GB582	OTM	6.71	.264	9.30	144	0.670	0.335	
				4 PL 6010	Mega	E471	SP	6.71	.264	10.10	155	0.377		
				N PL 6204	TrueRange Expanding	N583	CEX	6,71	.264	7,80	120	0.428	0,212	
		7 mm (.284)	4PH7095	7 mm-08 Rem.	4 PL/HL 7400	Scenar-L	GB553	OTM	7.21	.284	9.70	150	0.526	0.260
			4PH7105	7 x 64	4 PL/HL 7401	Scenar-L	GB554	OTM	7.21	.284	11.70	180	0.661	0.332
	4PH7107		7 x 65R	N PL 7027	Naturalis	N564	CEX	7.21	.284	10.10	156	0.280		
4PH7284	.284 Win.													
7.62 mm (.308)	4PH7217	.308 Win.	4 PL/HL 7224	OT Cutting Edge	G477	OTCE	7.83	.308	6.50	100	0.170			
	4PH7215	7.62 x 53R	4 PL/HL 7225	Open Tip	G580	OT	7.83	.308	6.50	100	0.200			
	4PH7226	.308 Win. Palma	4 PL/HL 7003	FMJ	S374	FMJ	7.83	.308	8.00	123	0.270			
	4PH7090	.300 Norma Mag.	4 PL/HL 7063	Scenar-L	GB552	OTM	7.83	.308	10.00	155	0.460	0.230		
	4PH7096	.300 Win Mag.	4 PL/HL 7069	Scenar	GB422	OTM	7.83	.308	10.85	167	0.446	0.223		
	4PH7098	.300 PRC	4 PL/HL 7061	Scenar-L	GB550	OTM	7.83	.308	11.30	175	0.490	0.247		
	4PH7080	.300 WSM	4 PL/HL 7071	Scenar	GB432	OTM	7.83	.308	12.00	185	0.482	0.242		
	4PH7068	.30-06 Springfield	4 PL/HL 7062	Scenar-L	GB551	OTM	7.83	.308	14.30	220	0.647	0.324		
			4HL/PL7080	Max Range Target	GB581	OTM	7,83	.308	11,30	175	0,581	0,286		
			4 PL/HL 7086	Lock Base	B476	FMJBT	7.83	.308	11.00	170	0.498	0.249		
			4 PL/HL 7019	D46	D46	FMJBT	7.83	.308	12.00	185	0.506	0.254		
			4 PL 7060	Subsonic	B416	FMJBT	7.83	.308	13.00	200	0.518	0.235		
			4 PL 7057	Mega	E469	SP	7.83	.308	9.72	150	0.330			
			4 PL 7213	Mega	E415	SP	7.83	.308	12.00	185	0.319			
			4 PL 7047	Mega	E401	SP	7.83	.308	13.00	200	0.344			
			N PL 7251	TrueRange Expanding	N585	CEX	7,83	.308	9,70	150	0,384	0,190		
			N PL 7250	TrueRange Expanding	N584	CEX	7,83	.308	10,70	165	0,490	0,243		
			N PL 7105	Naturalis	N558	CEX	7.83	.308	11.00	170	0.354	0.177		
			4 PL 7080	MaxRange Target	GB581	OTM	7.83	.308	11.30	175	0.581	0.286		
7.62 mm (.310)		4 PL/HL 7005	D166	D166	FMJBT	7.87	.310	13.00	200	0.448	0.224			
7.62 mm (.311)	4PH7074	7.62 x 39	4 PL/HL 7045	FMJ	S405	FMJ	7.91	.311	8.00	123	0.257			
8 mm (.323)	4PH8030	8 x 57 IS	4 PL/HL8001	Open Tip	G573	OT	8.20	.323	7.85	120	0.248	0.179		
	4PH8031	8 x 57 IRS	N PL 8009	Naturalis	N559	CEX	8.20	.323	11.70	180	0.357	0.179		
8.61 mm (.338)	4PH8068	.338 Lapua Mag.	4 PL/HL 8012	Lock Base	B408	FMJBT	8.60	.338	16.20	250	0.625	0.310		
	4PH8090	.338 Norma Mag.	4 PL 8017	Scenar	GB488	OTM	8.60	.338	16.20	250	0.648	0.322		
			4 PL 8013	Scenar	GB528	OTM	8.60	.338	19.44	300	0.736	0.368		
			N PL 8020	Naturalis	N508	CEX	8.60	.338	15.00	231	0.373			
9.3 mm (.366)	4PH9050	9.3 x 62	4 PL/HL9018	Open Tip	G574	OT	9.30	.366	12.00	185	0.283			
			4 PL 9017	Mega	E433	SP	9.30	.366	18.50	285	0.339			
			N PL 9204	Naturalis	N560	CEX	9.30	.366	16.20	250	0.419	0.215		

COMPONENTS - CENTERFIRE HANDGUN

CALIBER	BRASS CASES		BULLETS								
	Product No.	Designation	Product No.	Bullet name	Product code	Type	Bullet diameter		Weight		Ballistic coefficient
							mm	in	g	grs	
.32 (7.65 mm)	4HH8021	.32 S&W Long Wadcutter	4 PL 8023	Lead Wadcutter	C427	LWC	7.99	.314	5.35	83	0.029
			4 PL 8021	Lead Wadcutter	C356	LWC	7.99	.314	6.35	98	0.041



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