



SINCE 1886



THE NEW DIMENSION

**SmartMagnum™
10.3 x 68 MAG.**

MADE IN GERMANY

„The result of the innovation, science and practical experiences, 10.3 x 68 Mag. is the balance between my hunting needs and the real wildlife of Romania.”

Alexandru Baculea, experienced hunter and journalist from Romania

Even we hunters avidly chase the latest trends and often let the old ways – which we may have followed for years, or even decades – fall into disuse, so Hannes Dikhoff, Product Manager at RWS. Progress is unstoppable, yet it is still worthwhile to look to the past since proven principles have been developed that have often been practiced for generations – and for good reason. Things get interesting when a new idea is born out of both traditional solutions and modern developments to reveal new horizons and possibilities. On the following pages, you can learn everything about the new 10.3 x 68 Mag. – the new dimension in rifle calibres.



Hannes Dikhoff

Hannes Dikhoff, RWS Product Manager

IT'S A MAGNUM,
A SMARTMAGNUM™



THE TIME IS RIPE TO MATE THE TRADITIONAL WITH THE MODERN

As time passed, the demands of the hunter changed. Overseas hunting trips, long shots in the mountains and the need for greater stopping power on driven game hunts posed new challenges to the 10.3 x 60 R, especially beyond the borders of Canton Grisons. One soon realized that there was a definite potential for performance improvement in a cartridge that already worked very well.

Hunters in the mountainous Swiss canton of Grisons have relied on the effectiveness of 10.3 mm calibres for the past 150 years. Rimfire Peabodys developed during America's civil war as well as Vetterli and Martini stalking carbines developed after 1867 were the predecessors of the 10.3 x 60 R, to this day the iconic calibre of the hunters of Grisons. Members of countless hunting dynasties shot entire lifetimes' worth of chamois, red stag and roe deer with the same rifle, passed on from one generation to the next. Thanks to the effectiveness of its large bullet diameter alone, it caused no problems and always worked.

Visionary designer Peter Vonow focused on this idea to pursue his desire to exploit the advantages of a large bullet diameter. In the end, he developed an effective universal cartridge for the passionate hunter. The well-known .416 Rem. Mag., .404 Jeffery and 10.75 x 68 Mauser large game cartridges played important roles as godparents to the new round.

Combined with the legendary RWS case length of 68 mm, the 10.3 mm bullet diameter proves to be optimal for satisfying the most modern of hunting requirements. Thus was born the fundamental idea for the 10.3 x 68 Mag. calibre. A reduced case length of 68

mm serves as the basis for a balanced, very well-mannered cartridge that offers a unique palette of bullet weights between 11 and 26 grams (169 – 401 grains). Performance levels vary between the .30-06 and the .416 Rem. Mag. with correspondingly comfortable shooting qualities. In this way, the 10.3 x 68 Mag. uniquely and effectively covers the entire hunting spectrum from marmots to the largest African buffalos.

Born of an idea, the 10.3 x 68 Mag. opens the door to a new dimension in hunting.

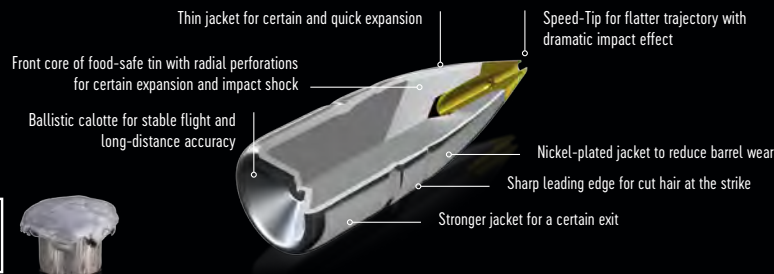
EVOLUTION GREEN



CONVINCING SHOCKING POWER – LEAD FREE

The RWS EVOLUTION GREEN is a partially fragmenting, lead-free bullet featuring a series of interdependent constructive details. The RWS EVOLUTION GREEN achieves its convincing performance with dual cores made from food-safe tin and featuring a special

pre-fragmentation of the frontal core. Working together with the Speed Tip point, this creates outstanding shocking power even at long ranges. In 10,3 x 68 Mag., this bullet is suitable for all European game animals.



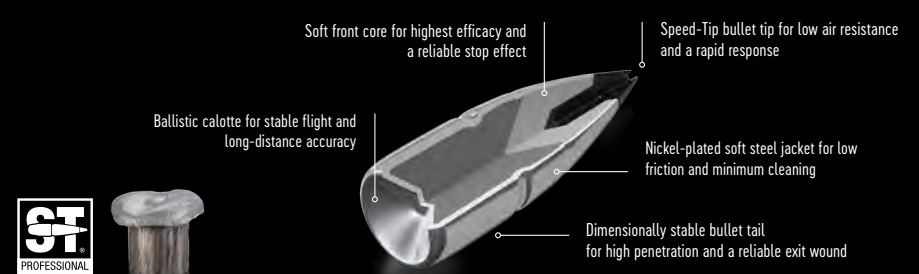
SPEED TIP PROFESSIONAL



HIGHEST KNOCK-DOWN POWER AT ALL DISTANCES

Rapid advancements in firearms and optical technologies make shooting and hunting at long ranges possible. As hunting tourism increases, so does the need for ammunition designed for hunting game animals at all ranges and of all weight classes. For example, when mountain hunting or when after heavy African game, deep penetration and great stopping power are essential. RWS has deve-

loped a modern hunting bullet to meet these demands, the new SPEED TIP PROFESSIONAL. It is reliable and effective for game weights of all classes from close range to 300 metres and beyond. RWS SPEED TIP PROFESSIONAL, one of the latest developments from RWS, is specially developed for great shock effect and stopping power at the longest ranges.



HIT



CONVINCING PENETRATION – LEAD FREE

The RWS HIT is a lead-free expanding bullet with high weight retention due to its monolithic construction. The unique HIT Matrix with the RWS TC-Tip (Twin-Compression-Tip) and the RWS ACC (Active-Crater-Cavity) guarantees fast and certain expansion with great shocking power, even at long ranges. The compact slug, which retains 99% of its origi-

nal weight, assures deep penetration and a certain exit wound - even after striking bone! This makes the RWS HIT the appropriate lead-free alternative for those favouring non-fragmenting bullets. This bullet is suitable for all ordinary game animals, but is ideal for use against medium to heavy game.

SOFTPOINT TM BONDED



FOR GREAT ENERGY TRANSFER

Esteemed for decades, the RWS soft point TM bullet has many enthusiasts even today. In the “bonded” version based on the Woodleigh design, the latest technology is united with a proven bullet design. The sophisticated bullet construction generates a high energy release in the game’s body and ensures swift defor-

mation readiness. Due to its weight of 25.9 g [400 gr], this bullet is particularly suited for powerful big game and delivers uncompromising performance in every situation.

RWS ACC (Active-Crater-Cavity)

For accelerated expansion with greater shock effect

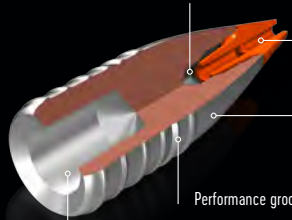
RWS TC-Tip (Twin-Compression-Tip)

With 2 hollow cavities for flat trajectory and reliable initial deformation

Nickel-plated copper solid bullet with very high BC-value

Performance grooves for increased efficiency

Tail cavity for optimized internal and external ballistics



Bonding of jacket and lead core

Rounded tip of projectile

Lead core

Tombac jacket



UNCOMPROMISING WITH STRONG PARTNERS

Even the most effective calibre with the best bullet only works when it hits where it is supposed to. For that, it needs an efficient weapons system. The Blaser R8 and the Sauer 404 are now available as two reliable solutions for maximum hunting success with the 10.3 x 68 Mag.



10.3 x 68 MAGNUM – THE NEW DIMENSION

The uncompromising characteristics of the 10.3 x 68 Mag. unite long-standing tradition with the newest technologies, opening the door to a new dimension in hunting. Its large cross-sectional area, choice of bullet weights, and staggering stopping power with comfortable recoil make this calibre unique.



SMARTMAGNUM™ EFFECT

The 10.3 x 68 Mag. redefines comfortable shooting in the magnum class and expands the useful range of magnum cartridges into an entirely new dimension. Regardless of impact velocity, the enlarged cross-sectional area assures an extraordinarily great shock effect in the body of the game animal. The variety of bullet weights supports the versatility of this calibre.

ONE CALIBRE FOR EVERYTHING

Whether after Austrian marmot or African Cape buffalo, the 10.3 x 68 Mag. is one calibre for everything. Bullet weights from 11 to 26 grams are practicable in no other calibre and they cover almost every hunting situation, whether in your home hunting grounds or on foreign hunting trips.

BALLISTIC DATA

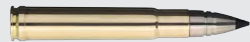
10.3 x 68 MAG. EVOLUTION GREEN – 13.5 G / 208 GR

Ballistic Data		Barrel-Length 650 mm						
Distance	(m)	0	50	100	150	200	250	300
Velocity	(m/sec)	900	842	788	736	685	636	588
Energy	(J)	5468	4786	4191	3656	3167	2730	2334
⊕ 100 m	(cm)		-0.8	⊕	-3.2	-10.9	-23.9	-42.9
MRD* ⊕ 179 m	(cm)		1.2	4.0	2.8	-2.9	-13.9	-31.0



10.3 x 68 MAG. SPEED TIP PROFESSIONAL – 18.5 G / 286 GR

Ballistic Data		Barrel-Length 650 mm						
Distance	(m)	0	50	100	150	200	250	300
Velocity	(m/sec)	800	762	725	689	653	619	585
Energy	(J)	5920	5371	4862	4391	3944	3544	3166
⊕ 100 m	(cm)		-0.4	⊕	-4.3	-13.7	-29.0	-50.6
MRD* ⊕ 165 m	(cm)		1.6	4.0	1.7	-5.7	-19.0	-38.6



*Most Recommended Distance
Data determined from most commonly used barrels; values from individual weapons may differ.

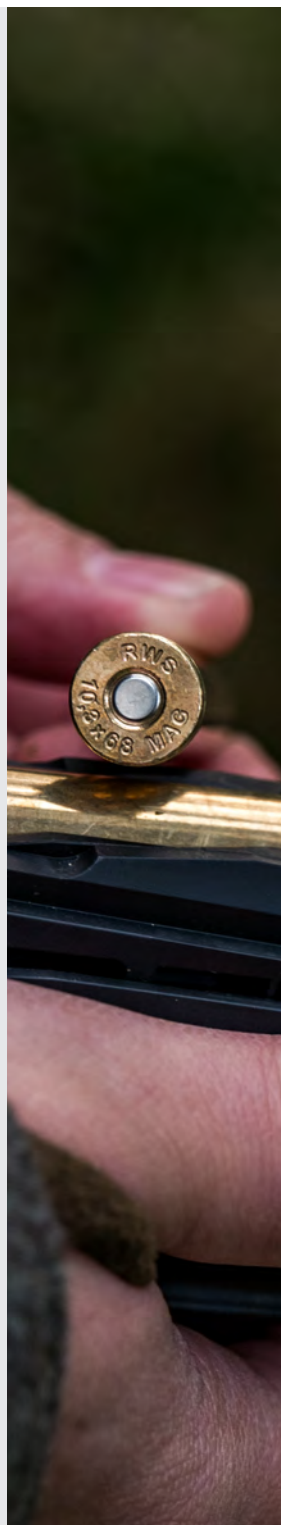
10.3 x 68 MAG. HIT – 13.0 G / 201 GR

Ballistic Data		Barrel-Length 650 mm						
Distance	(m)	0	50	100	150	200	250	300
Velocity	(m/sec)	905	846	790	738	688	639	592
Energy	(J)	5324	4652	4057	3540	3077	2654	2278
⊕ 100 m	(cm)		-0.8	⊕	-3.2	-10.8	-23.7	-42.5
MRD* ⊕ 180 m	(cm)		1.2	4.0	2.8	-2.8	-13.7	-30.6



10.3 x 68 MAG. TEILMANTEL BONDED – 25.9 G / 400 GR

Ballistic Data		Barrel-Length 650 mm						
Distance	(m)	0	50	100	150	200	250	300
Velocity	(m/sec)	710	664	620	576	534	495	461
Energy	(J)	6528	5710	4978	4296	3693	3173	2752
⊕ 100 m	(cm)		0.3	⊕	-6.7	-20.8	-43.6	-76.5
MRD* ⊕ 145 m	(cm)		2.3	4.0	-0.7	-12.8	-33.6	-64.5





„The 10.3 x 68 Mag. HIT in 13.0 g is a ideal cartridge for wild boar-hunting with perfectly balanced velocity and energy.“

Hannes Dikhoff, RWS Product Manager and passionate hunter

YOUR ADVANTAGE: CROSS-SECTIONAL AREA PLUS+

This truth is no secret: A large cross-sectional area puts the brakes on game! The large cross-sectional area of the 10.3 x 68 Mag. bullet delivers up to 81% more stopping power compared to ordinary medium bores with similar recoil. The large impact surface emulates the well-known rifled slug effect and reduces wounded game flight distances to a minimum – even in the lead-free version. The efficacy of this calibre is further enhanced with modern bullet designs and can be adapted to game of any weight.

10,3 x 68 Mag.



.308 Win.

The 10.3 x 68 Mag. reveals its full performance potential during a hunt for a capital wild boar in the new RWS trailer. Breath-taking landscapes and spectacular vistas make this trailer an unforgettable experience. See for yourself at www.rws-ammunition.com.





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