



The perfect hit!



The perfect hit!

B159e02.16

Discover for yourself the superb quality of Reload Swiss RS® products!
Reload Swiss RS® is a registered trademark of Nitrochemie Wimmis AG.

Überzeugen Sie sich selbst von der Qualität der Reload Swiss RS® Produkte!
Reload Swiss RS® ist eine Marke der Nitrochemie Wimmis AG.





Reload Swiss RS® – the new reloading powder from Switzerland

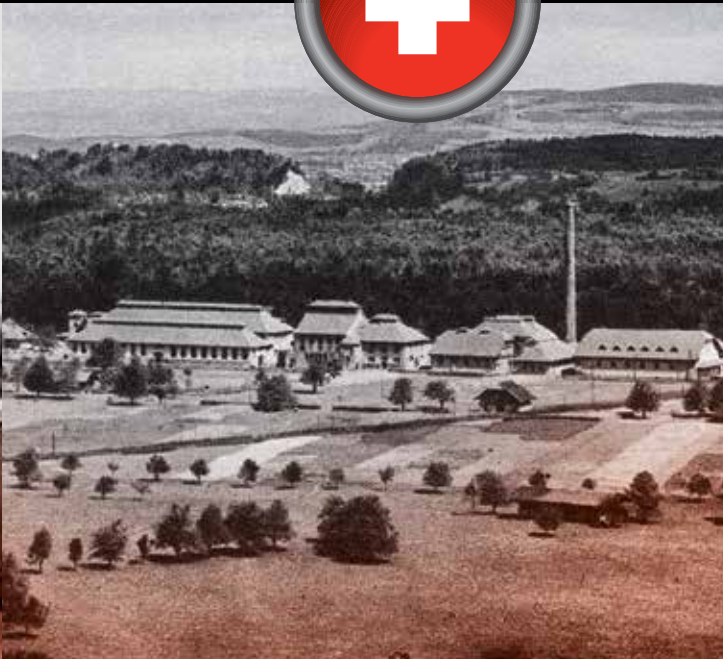
That our propellant powder will meet your expectations with regard to performance, precision and reliability goes practically without saying – after all, we have learned a tremendous amount from the successful use of our technologies in military applications. Customers benefit from our perfectly balanced, top-quality products – products whose development is oriented to the needs of the customer, produced in accordance with the “Art of Powder Making” and subsequently optimized in extensive trials in the lab and in the field. As a hunter or sport shooter, this means you are free to focus on hitting the target, knowing that you can count 100% on the excellence of Nitrochemie Wimmis technology.

Besides first-class quality, our new Reload Swiss product line delivers added value in terms of safety and affordability, too:

- Our state-of-the-art production facilities meet the highest standards of industrial safety and environmental protection.
- Our comprehensive development know-how, coupled with our firing range and testing facilities, assures optimum quality that never varies.
- Thanks to the efficient way we think and work, we are able to offer you products that combine outstanding value for money with unsurpassed accuracy.

We would like to thank you for your trust and wish you good hunting and happy shooting with Reload Swiss RS® from Nitrochemie Wimmis AG!

The perfect hit!



Marksman and hunters who insist on extreme precision rely on ammunition they have loaded themselves. When selecting reload components, nothing is more important than having the right propellant. Consistent quality and burn-off properties enable high-precision hits, shot after shot – even under widely varying weather conditions. Reload Swiss RS[®], the new Nitrochemie product line, provides the perfect powder for the perfect hit – crafted with meticulous Swiss precision!

- The development and production of Reload Swiss RS[®] propelling powder builds on nearly a century of experience by world-renowned Nitrochemie Wimmis AG in the field of high-performance powders.

- Comprehensive quality control from production to packaging guarantees consistent product quality that meets the most exacting standards.
- An efficient Europe-wide sales network assures reliable availability.
- Nitrochemie and its sales partners are constantly available to customers, enabling them to exchange loading information, tips and experience, resulting in an ever-widening Reload Swiss RS[®] knowledge base.
- Reload Swiss RS[®] products have already won over leading international competitive shooters.

The complete programme!

Whether pistols or rifles and no matter what the intended purpose, or which discipline or which weapon – Reload Swiss RS® offers the right propellant for your individual loading needs. Four pistol ammunition powders and eight types of rifle ammunition powder.

Reload Swiss RS® – the Pistol Powders

RS12 Pistol Powder

The universal powder for pistols and smaller revolver calibres, including for IPSC applications

RS20 Pistol Powder

the universal powder for all types of pistol ammunition, including for IPSC applications

RS24 Pistol Powder

the high-performance powder for pistol ammunition, including for the IPSC domain

RS30 Rifle and Revolver Powder

ideal for large-calibre revolver ammunition as well as for smaller rifle rounds

Reload Swiss RS® – the Rifle Powders

RS36 Rifle Powder

the universal powder for 7.62 x 39 and lever action rifles

RS40 Rifle Powder

for small-calibre rifle ammunition such as the .223 Remington

RS50 Rifle Powder

for medium-range rifle ammunition like .308 Winchester

RS52 Rifle Powder

The high-performance powder for medium range rifle ammunition

RS60 Rifle Powder

high-performance powder for magnum loading with light- and medium-weight cartridges

RS62 Rifle Powder

the universal powder for short magnum cartridges

RS70 Rifle Powder

the universal powder for magnum ammunition such as .300 Win Mag

RS80 Rifle Powder

for heavy magnum cartridges like .338 Lapua Magnum



Choice of powder

CALIBRES	RS12	RS20	RS24	RS30	RS36	RS40	RS50	RS52	RS60	RS62	RS70	RS80
HANDGUNS												
7.62x25 Tokarev		●	●									
7.65 Para		●										
357 Magnum		●	●	●								
9 mm Luger	●	●										
9 mm x 21	●	●	●									
38 Special	●	●										
38 Super Auto		●	●									
40 S&W	●	●	●									
44 Rem. Mag.		●	●	●								
45 ACP	●	●										
RIFLES												
22 Hornet				●	●							
22-250 Rem.					●	●	●	●				
222 Rem.					●	●	●	●				
223 Rem.					●	●	●	●				
243 Win						●	●	●	●	●	●	●
260 Rem.						●	●	●	●	●	●	●
270 Win.						●	●	●	●	●	●	●
270 WSM						●	●	●	●	●	●	●
280 Rem.						●	●	●	●	●	●	●
300 AAC Blackout				●	●	●						
300 Savage				●	●	●	●					
300 Weath. Mag.											●	
300 Win. Mag.									●	●	●	●
300 WSM							●	●	●	●	●	●
30-06 Spring.							●	●	●	●	●	●
30-284 Win.							●	●	●	●	●	●
30-30 Win.				●	●	●						
30 R Blaser									●	●	●	●

● highly recommended ● recommended

CALIBRES	RS12	RS20	RS24	RS30	RS36	RS40	RS50	RS52	RS60	RS62	RS70	RS80
RIFLES												
303 British							●	●	●			
308 Win						●	●	●				
375 H&H Mag.						●	●					
338 Lap. Mag.									●	●	●	●
416 Rigby									●	●	●	●
44-40 Win	●											
444 Marlin			●	●	●	●						
45-70 Govt.			●	●	●	●						
50 BMG												●
5.6 x 50 R Mag.					●	●						
6 x 62 (R) Freres											●	
6 mm BR Norma								●	●	●		
6.5 x 47 Lapua							●	●	●	●		
6.5 x 55 SE								●	●	●	●	●
6.5-284 Norma									●	●	●	●
7 mm Rem. Mag.										●	●	●
7 mm-08 Rem.							●	●	●	●		
7 x 57							●	●	●	●	●	●
7 x 57 R							●	●	●	●	●	●
7 x 64							●	●	●	●	●	●
7.5 x 55 Swiss									●	●	●	●
7.62 x 39				●	●	●						
7.62 x 54 R							●	●	●	●		
8 x 57 IS / IRS							●	●				
8 x 68 S									●			
9.3 x 62							●	●	●	●	●	●
9.3 x 66 Sako							●	●	●	●		
9.3 x 74 R							●	●	●	●		
10.3 x 60 R						●	●	●				

Relative burn-off velocity

Reload Swiss	Vihtavuori	Norma	Hodgdon	IMR	Rottweil	Lovex	Vectan	Alliant	Ramshot
			Titewad						
	N310				P805		Ba 10	Bullseye	
			Clays			S011			ZIP
RS12	N320		Internat. Cl	700X	P801			Red Dot	
			Titegroup	Trail Boss		D032	AS	American Sel	
	N32C		HP 38	PB				Green Dot	
				SR7625		D036	A1		True Blue
	N330				P804		Ba 9		
			Universal Cl					Unique	
RS20	N340		HS-6				A0	Power Pistol	
	3N37		Longshot	800X			SP 8	Herco	
	N350			SR4756		D037.1			
RS24	3N38				P806		SP2 Pract.	Blue Dot	
	N105			SR4759		D037.2		Steel	
RS30	N110		H110			D060		2400	Enforcer
				IMR4227			SP 3		
			Lil' Gun			D063			
RS36	N120	200	H4198	IMR4198			Tubal 2000	Reloder 7	
			H322		R901	S060	SP 10		
			Benchmark	IMR3031		D073.4			
	N130	201	H335		R902	D073.5		Reloder 10 x	X-Terminator
RS40	N530		H4895	IMR8208XBR			Tubal 3000		
	N133	202	Varget				SP 7		TAC
			BL-C (2)	IMR4895		D073.6			Wildboar
	N135		CFE 223	IMR4064	R903				
RS50	N140	203-B	Leverrevolution	IMR4320			Tubal 5000	Reloder 15	Big Game
RS52	N540		H380				SP 11		
					R907				
RS60	N150	URP							
	N550		H414					Reloder 17	
RS62				IMR4350	R904	S070			
		204	H4350				Tubal 7000		
	N160		Hybrid 100V					Reloder 19	
	N560		H4831SC	IMR4831					
			H4831		R905		Tubal 8000		
RS70	N165	MRP	Superformance					Reloader 22/23	
		MRP-2		IMR7828					
		217		IMR7828SSC				Reloder 25/26	
			H1000						
	N170		RETUMBO						Magnum
RS80	N570						SP 13	Reloder 33	
	24N41		H50BMG						
	20N29		US 869						

Sequentially from top to bottom: from the most offensive to the most progressive propellant powders; Nitrochemie estimate



RS 12

PISTOL POWDER

Uses:

RS12 has been specifically developed as complement to the Reload-Swiss RS portfolio. At the moment of launch it is our quickest powder. It is suitable for many pistol and smaller revolver calibres. For applications which do not result satisfying in combination with RS20 in regard to unburnt residues.

Standard calibres:

.38 Special
.40 S&W
.45 ACP
9 mm Luger

Packaging units:

500 g can + 4 kg drum

Powder type:

RS12 is a porous, extruded single-perforated propellant based on nitrocellulose.

Key characteristics:

Heat of explosion	approx. 4,050 J/g
Bulk density	approx. 630 g/l
Grain diameter	approx. 0.7 mm
Grain length	approx. 1.0 mm

RS20

PISTOL POWDER

Uses:

RS20 was developed many years ago on behalf of the Swiss Army for 9 mm pistol ammunition. Since then, it has proved highly effective in a variety of different pistol calibres. Until now, RS20 has been supplied by various dealers in Switzerland.

Standard calibres:

9 mm Luger
.38 Special
.40 S&W
7.62 x 25 Tokarev
7.65 Parabellum

Packaging units:

500 g can + 4 kg drum

Powder type:

RS20 is a porous, extruded flake propellant based on nitrocellulose

Key characteristics:

Heat of explosion	approx. 4,100 J/g
Bulk density	approx. 670 g/l
Length x width	approx. 1.1 x 1.1 mm
Thickness	approx. 0.3 mm



RS 24

PISTOL POWDER

Uses:

We developed our RS24 propellant powder in cooperation with the IPSC national champion, especially for the Open Division. However, the powder can also be used in other large-bore handgun cartridges.

Standard calibres:

9 mm Major
.38 Super Auto
9 x 21
.40 S&W with heavy bullets
.357 Magnum
.44 Rem. Mag.

Packaging units:

500 g can + 4 kg drum

Powder type:

RS24 is an extruded single-based propellant powder based on nitrocellulose. A unique impregnation method using nitroglycerine assures top performance.

Key characteristics:

Heat of explosion	approx. 4,350 J/g
Bulk density	approx. 850 g/l
Grain diameter	approx. 0.5 mm
Grain length	approx. 0.6 mm





RS 30

RIFLE-/PISTOL POWDER



Uses:

RS30 propellant powder was developed for the .22 calibre Hornet. It is also especially suitable for large-bore revolver cartridges.

Standard calibres:

.22 Hornet
.30-30 Win.
300 AAC BLACKOUT
.357 Magnum
.44 Rem. Mag.

Packaging units:

500 g can + 4 kg drum

Powder type:

RS30 is a porous, extruded single-based propellant powder based on nitrocellulose. The surface is coated with camphor. This results in balanced temperature behaviour with moderate pressure at high temperatures.

Key characteristics:

Heat of explosion	approx. 4,000 J/g
Bulk density	approx. 820 g/l
Grain diameter	approx. 0.75 mm
Grain length	approx. 1.0 mm



RS 36

RIFLE POWDER



Uses:

With the RS36, developed in 2015, charges between RS30 and RS40 can be better optimised. The RS36 was tuned to the calibre 7.62 x 39 , but it also works very well in the area of level-action rifles.

Standard calibres:

7.62 x 39
.222 Rem.
.223 Rem. with lightweight bullets up to 50gr
.30-30 Win.
.444 Marlin
.45-70 Govt.

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS36 is an extruded single-based propellant powder based on nitrocellulose. The surface is coated with camphor. This results in balanced temperature behaviour with moderate pressure at high temperatures.

Key characteristics:

Heat of explosion	approx. 3,950 J/g
Bulk density	approx. 910 g/l
Grain diameter	approx. 0.6 mm
Grain length	approx. 1.2 mm

RS40

RIFLE POWDER



Uses:

RS40 derives directly from our successful, military-qualified 5.56mm propellant powder. This makes it the perfect powder for .222 Rem. and .223 Rem. It also works extremely well with medium-bore cartridges such as the .308 Win. in combination with lightweight bullets.

Standard calibres:

.222 Rem.
.223 Rem.
.300 Savage
.308 Win. with lightweight bullets

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS40 is an extruded, single-based propellant powder based on nitrocellulose. A unique impregnation method using nitroglycerine assures top performance.

Key characteristics:

Heat of explosion	approx. 3,950 J/g
Bulk density	approx. 940 g/l
Grain diameter	approx. 0.7 mm
Grain length	approx. 1.1 mm



RS50

RIFLE POWDER

Uses:

RS50 is a universally useable .308 Win. propellant. It is extremely benign and therefore ideal for use in many popular, medium-bore hunting calibres.

Standard calibres:

.308 Win.
.375 H&H Mag.
7 mm-08 Rem.
8 x 57 IS
9.3 x 64 Brenneke

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS50 is an extruded, single-based propellant powder based on nitrocellulose. The surface is coated with camphor. This results in balanced temperature behaviour with moderate pressure at high temperatures.

Key characteristics:

Heat of explosion approx. 3,750 J/g
Bulk density approx. 950 g/l
Grain diameter approx. 0.75 mm
Grain length approx. 1.0 mm





RS52

RIFLE POWDER

Uses:

When it comes to applications, RS52 propellant is comparable to our RS50. In short, it is a typical 308 Win. powder, featuring an outstanding pressure/velocity ratio and flat temperature behaviour.

Standard calibres:

.308 Win.
.30-06 Spring. with lightweight bullets
6 mm BR Norma
7 mm-08 Rem.
8x57 IS

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS52 is an extruded, single-based propellant powder based on nitrocellulose. A unique impregnation method using nitroglycerine assures top performance.

Key characteristics:

Heat of explosion	approx. 3,900 J/g
Bulk density	approx. 950 g/l
Grain diameter	approx. 0.75 mm
Grain length	approx. 1.1 mm

RS 60

RIFLE POWDER

Uses:

RS60 is ideal for .30-06 Springfield cartridges. In addition, it can be used to load many short magnums. This propellant is perfect for high-performance applications and features excellent temperature behaviour.

Standard calibres:

.260 Rem.	6.5x55 SE
.30-06 Spring.	7 mm-08 Rem.
.30-284 Win.	7.5x55 Swiss
6.5x47 Lapua	7.62x54 R

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS60 is an extruded, single-based propellant powder based on nitrocellulose. A unique impregnation method using nitroglycerine assures top performance.

Key characteristics:

Heat of explosion	approx. 4,000 J/g
Bulk density	approx. 970 g/l
Grain diameter	approx. 0.9 mm
Grain length	approx. 1.4 mm



RS 62

RIFLE POWDER

Uses:

RS62 propellant was originally developed for 270 Win., but is also superb for .30-06 Spring. cartridges. In terms of vivacity, it approaches RS60, but RS62 operates with significantly lower energy content and thus produces less barrel wear. A genuine alternative for shooters who are looking for a straightforward, honest, easy-to-use propellant powder for magnum cartridges in light and medium-weight applications.

Standard calibres:

.30-06 Spring.	7.62x54 R
7 mm-08 Rem.	.270 Win.
7x64	

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS62 is an extruded, single-based propellant powder based on nitrocellulose. The surface is coated with camphor. This results in balanced temperature behaviour with moderate pressure at high temperatures.

Key characteristics:

Heat of explosion	approx. 3,750 J/g
Bulk density	approx. 960 g/l
Grain diameter	approx. 0.85 mm
Grain length	approx. 1.9 mm



RS 70

RIFLE POWDER

Uses:

The RS70 is especially well suited for large-calibre hunting cartridges. It was originally developed for .300 Win. Mag., but also lends itself to many other magnum cartridges.

Standard calibres:

.243 Win.
.300 Win. Mag.
.338 Lapua Mag.

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS70 is an extruded, single-based propellant powder based on nitrocellulose. A unique impregnation method using nitroglycerine assures top performance. The powder contains a modern, lead-free de-coppering additive, making it suitable for low-pollution ammunition.

Key characteristics:

Heat of explosion	approx. 3,900 J/g
Bulk density	approx. 990 g/l
Grain diameter	approx. 1.0 mm
Grain length	approx. 1.4 mm



RS 80

RIFLE POWDER

Uses:

Designed especially for heavy-duty magnum cartridges, RS80 is our slowest burning powder. It was originally developed for .338 Lapua Mag., but works extremely well even with .50 cal. Browning rounds. Optimized for temperature behaviour, RS80 displays excellent pressure/velocity ratios in numerous calibres.

Standard calibres:

.338 Lapua Mag.
7 mm Rem. Mag.
.50 Browning

Packaging units:

1 kg can + 10 kg drum

Powder type:

RS80 is an extruded, single-based propellant powder based on nitrocellulose. A unique impregnation method using nitroglycerine assures top performance. The powder contains a modern, lead-free de-coppering additive, making it suitable for contemporary lead-free ammunition.

Key characteristics:

Heat of explosion	approx. 3,850 J/g
Bulk density	approx. 1,000 g/l
Grain diameter	approx. 1.2 mm
Grain length	approx. 1.8 mm

CE/BAM numbers, safe service life, verification tolerances

CE 0589

RS12	BAM-TN-299
RS20	BAM-TN-290
RS24	BAM-TN-291
RS30	BAM-TN-288
RS36	BAM-TN-313
RS40	BAM-TN-283
RS50	BAM-TN-285
RS52	BAM-TN-284
RS60	BAM-TN-286
RS62	BAM-TN-289
RS70	BAM-TN-287
RS80	BAM-TN-292

Safe service life:

If properly stored, the propellant powder remains safe to use for up to ten years. Detailed information can be found on the packaging of each Reload Swiss RS[®] powder.

Verification tolerances:

Batch-to-batch tolerance based on the reference batch is $v_5 \pm 12 \text{ m/s}$ $p_{\text{max}} \pm 250 \text{ bar}$.

Packaging units

Following packaging units are available for the end customer

Product	500 g can	1 kg can	4 kg drum	10 kg drum
RS12	☉		☉	
RS20	☉		☉	
RS24	☉		☉	
RS30	☉		☉	
RS36		☉		☉
RS40		☉		☉
RS50		☉		☉
RS52		☉		☉
RS60		☉		☉
RS62		☉		☉
RS70		☉		☉
RS80		☉		☉

More information as well as loading data can be found on our website:

www.reload-swiss.com



Christine Burkhalter – IPSC with RS12
Dominic Meier – IPSC mit RS20 with RS24

Success stories! The Swiss IPSC champions Christine Burkhalter and Dominic Meier have reached outstanding performances with Reload Swiss RS® powders.

Warning

Reloading cartridges can be dangerous. Incorrect procedures can result in material damage and personal injury. In some countries, prior training is mandatory. Even in countries where it is not required, we recommend taking a relevant course. As the powder is no longer under our control and supervision once it leaves our factory, we cannot accept liability for any ensuing damage. As the manufacturer, we are liable only if intent or gross negligence on our part can be demonstrated.

When reloading cartridges, the process should be conducted with due respect for explosive materials. Attention to detail and neat, meticulous working practices help to enhance safety. In particular, mixing powders and double loading can result in serious problems.

Users should always adhere to the following basic rules:

- I) Never start with the stated maximum charge. The process should always commence with an initial charge, before gradually building up toward the maximum charge until the desired shooting result is obtained.
- II) Never exceed the maximum charge published by Nitrochemie Wimmis AG. High pressure can damage or destroy the weapon.
- III) Shooting with self-loaded cartridges should cease immediately if there is any indication of heightened pressure.
- IV) Never mix different powders. This rule applies equally to brands and types.
- V) Never use propellant powder as a substitute for gunpowder. Smokeless propellant powder produces substantially more pressure than gunpowder.



Reloading ammunition involves components made by other manufacturers. Numerous parameters have to be taken into account. The equipment used must be in perfect condition. Nitrochemie Wimmis AG has no control over these procedures and thus explicitly declines all liability for damages resulting during reloading or the use of relevant components and ammunition.

Reloading is always carried out at one's own risk!