SPHERICAL POWDERS

© 2025 Milan Blagojevic - Namenska, Lucani, Serbia

MAIN PRODUCTION RANGE

- **NITROCELLULOSE**
  - *POWDER GRADE*
  - *DYNAMITE GRADE*
  - *INDUSTRIAL GRADE*
- **POWDERS**
  - *SINGLE BASE*
  - *DOUBLE BASE*
  - **SPHERICAL**
    - *ROCKET PROPELLANTS*
    - *POWDER CHARGES*
- **COMBUSTIBLE COMPONENTS**
  - *CHARGE FOR CAL.125mm*
- **CELLULOID AND CELLULOID CONTAINERS**

- **COMMERCIAL POWDERS**
  - *SHOTSHELL POWDERS*
  - *RIFLE (CARBINE) POWDERS*
  - *PISTOL AND REVOLVER POWDERS*
- **MILITARY POWDERS**
  - *PISTOL AND RIFLE AMMUNITION*
  - *AIRCRAFT AND ANTI - AIRCRAFT AMMUNITION*
  - *GRENADE LAUNCHERS AMMUNITION*
- **SPORT AND SPECIAL POWDERS**

SRPS ISO 9001
SORS 9000
SRPS ISO 14001
SRPS ISO 45001

Spherical powder as a double base powder, has a high level of energy, containing two energy components: nitrocellulose and nitroglycerine.
It is used as commercial powder (in hunting and sports ammunition) for small arms and for aircraft and anti-aircraft ammunition.

APPLICATION

- *FOR AMMUNITION 5.56 - 20 mm*
- *HUNTING AND SPORT*

ADVANTAGES

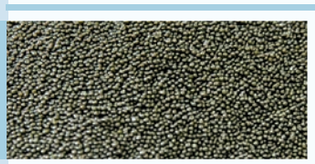
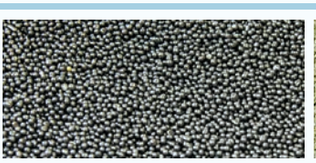
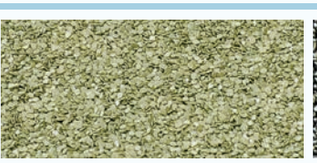
- *Superior chemical stability*
- *Uniformity of loading*
- *Increased power charge*
- *Increased projectile velocity*
- *More uniform burning*
- *Lower flame temperature*
- *Improved barrel operation life*

SHOTSHELL AMMUNITION

Type of powder	Main application	Weight of shots, g	Standard	Weight ~ ω [g]	Velocity V [m/s]	Pressure Pm [bar]
SB - 501	12/70	24	*TU* 30/21	1,30	405	570±40
SB - 502		28		1,40	400	580±40
SB - 503		32		1,60	395	600±40
SB - 504		36		1,80	390	640±40
SB - 505		40		1,90	385	690±40
SB - 506	12/76	50		2,20	380	850±40

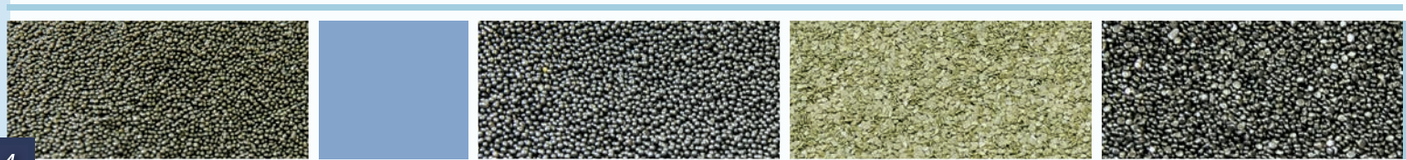
RIFLE (CARBINE) AMMUNITION

Type of powder	Main application	Bullet	Standard	Weight ~ ω [g]	Velocity V [m/s]	Pressure Pm [bar]
SB - 440	.22 Hornet	SP (2,90 g)	*TU 30/25 (C.I.P.)*	0,74	750	≤ 2700
SB - 511	.223 Remington	SP (3,56 g)	*TU 30/34 (C.I.P.)*	1,70	955	≤ 3870
		FMJBT (3,56 g)		1,69		
		FMJBT (4,0 g)		1,64	905	
SB - 515	7,62 x 39 Russian	FMJ (8,0 g)	*SORS* 7268	1,80	725	≤ 3200
		PSP (8,0 g)		1,79		
		SPRN (8,0 g)		1,82	715	
SB - 529	.308 Winchester	SP (9,7 g)	*TU 30/26 (C.I.P.)*	3,01	830	≤ 3750
		FMJ (9,7 g)		2,82	755	
SB - 530	.308 Winchester	SP (11,7 g)	*TU 30/31 (C.I.P.)*	2,92	755	≤ 3750
		HPBT (10,9 g)		2,98		
SB - 531	.308 Winchester	SP (11,7 g)	*TU 30/24 (C.I.P.)*	2,92	755	≤ 3750
SB - 629	.30-06 Springeld	SP (9,7 g)	*TU 30/27 (C.I.P.)*	3,40	860	≤ 3650
SB - 630	.30-06 Springeld	SP (11,7 g)	*TU 30/39 (C.I.P.)*	3,57	840	≤ 3650
SB - 530 R	7,62 x 54 mm R	FMJ (11,7 g)	*TU 30/47*	3,30	785	≤ 2746
SB - 432	300 Blackout	FMJ (8,1 g)	*TU 30/52*	1,25	660	≤ 3700
SB - 628	6,5 Creedmoor	HPBT (9,1 g)	*TU 30/51*	2,75	820	≤ 4350

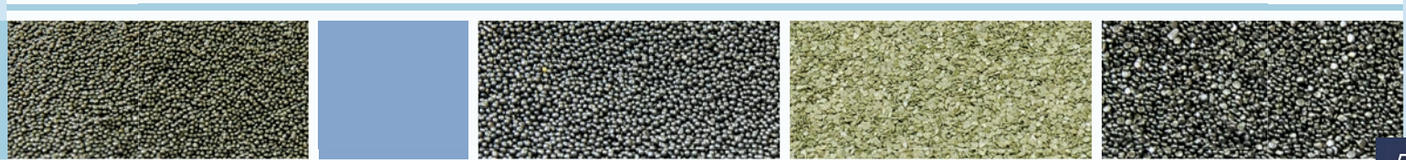
PISTOL AND REVOLVER AMMUNITION

Type of powder	Main application	Bullet	Standard	Weight ~ ω [g]	Velocity V [m/s]	Pressure Pm [bar]
SB - 425	.25 Auto	FMJ (3,25 g)	TU 30/42 (SAAMI)	0,086	230	≤ 1050
	.32 Auto	FMJ (4,6 g)		0,15	270	≤ 880
		JHP (4,6 g)				
SB - 434	10 mm Auto	FPJ (11,0 g)	TU 2/94 (C.I.P.)	0,56	330	≤ 2200
		JHP (11,7g)		0,52	320	
SB - 433	.357 Magnum	FMS (10,2 g)	TU 3/94 (SAAMI)	0,85	455	≤ 1800
	.44 Remington Magnum	FPJ (11,7 g)		1,78	525	≤ 2350
SB - 618	9 mm Luger	FMJ (7,45 g)	TU 30/36	0,36	340	≤ 2350
		FMJ (8,0 g)		0,31	330	
SB - 616	.380 Auto	JHP (6,1 g)	TU 30/37	0,20	280	≤ 1480
		FMJ (6,1 g)				
SB - 617	9 mm Makarov	FMJ (6,0 g)	TU 30/35	0,26	315	≤ 1600
SB - 619	.40 S&W	FPJ (11,7 g)	TU 30/30	0,36	300	≤ 2410
	.45 Auto	FMJ (14,9 g)		0,46	265	≤ 1450
SB - 621	.38 Special	LRN (10,2 g)	TU 30/33	0,26	265	≤ 1000
	.32 S&W Long	LRN (6,35 g)		0,15	235	≤ 900
	.38 S&W	LRN (9,4 g)		0,16	205	≤ 760
SB - 622	.22 Rem Jet Mag	SP (2,9 g)	TU 30/54	1,0	650	≤ 2350



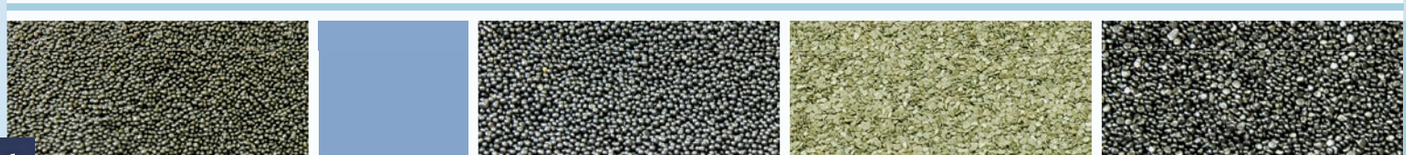
PISTOL AND RIFLE AMMUNITION

Type of powder	Main application	Bullet	Standard	Weight ~ ω [g]	Velocity V [m/s]	Pressure Pm [bar]
SB - 507	7,62 x 25 mm, Tokarev	M30	*TU* 30/19	0,57	500	≤ 2200
SB - 620	9 x 19 mm NATO	M882	*TU* 30/15 *(MIL-P-3984J)*	0,36	375	≤ 2150
SB - 410	5,45 x 39 mm Russian	Ball (3,50g)	*TU* 30/8	1,48	900	≤ 3300
SB - 510	5,56 x 45 mm	M193 M196	*SORS 7127 (MIL-P-3984J)*	1,78	965	≤ 3660
SB - 511	5,56 x 45 mm	M855 (SS 109)	*SORS 8232 (MIL-P-3984J)*	1,68	914	≤ 3660
SB - 511/T	5,56 x 45 mm	M856	*TU 30/34 (MIL-P-3984J)*	1,55	900	≤ 3660
SB - 416	5,56 x 45 mm	M200 (blank)	*TU* 30/1	0,95	-	-
SB - 515	7,62 x 39 mm	M67 M78 M82	*SORS* 7268	1,70 1,65 1,70	733 706 733	≤ 2500
SB - 520	7,62 x 51 mm	M80 M61 M62	*SORS 7197 (MIL-P-3984J)*	2,90 2,87 2,85	834 812	≤ 3520
SB - 531	7,62 x 51mm; MATCH	M118	*TU* 30/24 *(MIL-P-3984J)*	2,75	777	≤ 3520
SB - 420	7,62 x 51 mm	M82 (blank)	*TU* 30/10 *(MIL-P-3984J)*	0,85	-	-
SB - 512	6,5 x 39 mm	M20	*SORS 9458*	1,80	725	≤ 3520



AIRCRAFT AND ANTI-AIRCRAFT AMMUNITION

Type of powder	Main application	Standard	Weight ~ ω [g]	Velocity V [m/s]	Pressure Pm [bar]
SB - 710	12,7 x 99 mm "Browning" M33 (Ball) M8 (API) M17 (Tracer)	*TU* 6/96 *(MIL-P-3984J)*	16	887	≤ 3650
SB - 711	12,7 x 99 mm M33 Sniper (42 g) Solid blank (53 g)	*TU* 30/28	16	887 845	≤ 3650
SB - 715	12,7 x 108 mm "DShK" B32 Solid	*TU* 30/43	16	805	≤ 2942
SB - 720	20 x 102 mm "Vulcan" M56	*TU* 30/20 *(MIL-P-3984J)*	36	1030	≤ 3790
SB - 712	12,7 x 108 mm B32 Solid	*TU* 30/29	16	818	≤ 2942

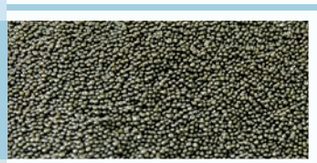
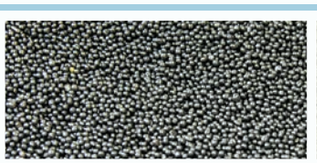
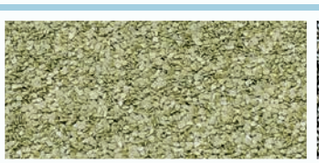


GRENADE LAUNCHERS AMMUNITION

Type of powder	Main application
SB - 508	40 mm HE Grenade VOG-25 Practice grenade VOG-25 TP

SPORT AND SPECIAL POWDERS

Type of powder	Main application
SB - 411	Special Cartridge for industrial purposes 5,6/15; 6,3/10; 6,3/16; 6,3/18 9x17 mm *(cattle killer)* 9x19 mm *(for light bullet 4,0 g)*
SB - 412	Cartridges 10x22 mm T, projectiles with rubber ball, 9 mm PA *(blank)*

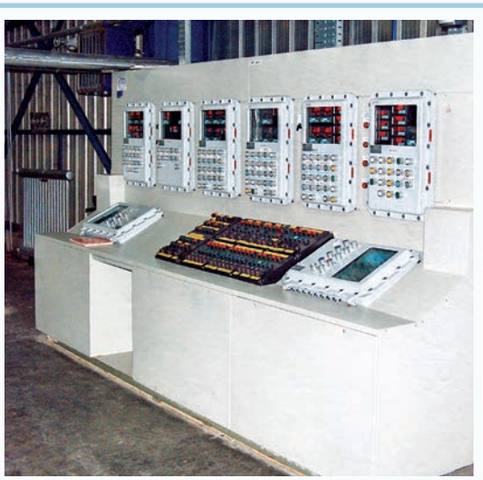
"MILAN BLAGOJEVIC-NAMENSKA" has the most modern process technology of spherical powder production.
It is based on a continuous process which has significant advantage in comparison to the batch process.

ADVANTAGES OF THE CONTINUOUS PROCESS:

- **FLEXIBILITY:**
  Powder production meets different balistic requirements and a more uniform distribution of grain size is achieved.

- **SAFETY:**
  Process is remote controlled and the biggest part of processing is performed under water.

- **LOW COST:**
  Smaller investment funds and lower productions cost.



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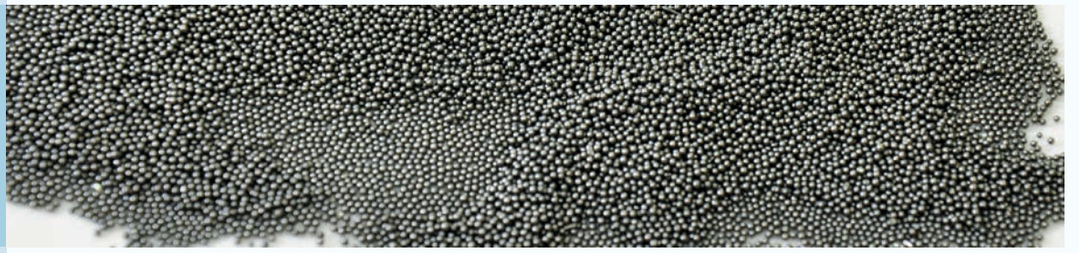

SPHERICAL POWDERS 2025

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