





S010-02



Type of propellant	single base - tubular
Bulk density approx.	600 g/l
Main application	9 mm Luger Blank
Bullet	-
Powder charge approx.	-
V ₁₆	-
P	-
Other caliber application	-



S022-03



Type of propellant	single base - tubular
Bulk density approx.	550 g/l
Main application	5.56 x 45 Blank
Bullet	-
Powder charge approx.	-
V ₁₆	-
P	-
Other caliber application	-



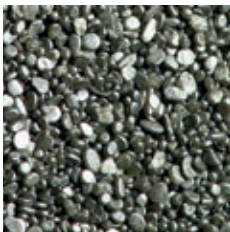
S022-04



Type of propellant	single base - flake propellant
Bulk density approx.	530 g/l
Main application	7.62 x 39 Blank
Bullet	-
Powder charge approx.	-
V ₁₆	-
P	-
Other caliber application	7.62 x 54 R Blank



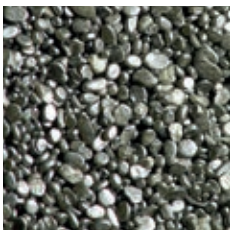
D036-07



Type of propellant	double base - spherical
Bulk density approx.	950 g/l
Main application	9 mm Luger
Bullet	FMJ - 7.5 g
Powder charge approx.	0.375 g
V ₁₆	375 m/s
P	2 350 Bar
Other caliber application	.40 SW



D036-08



Type of propellant	double base - spherical
Bulk density approx.	950 g/l
Main application	9 mm Luger
Bullet	FMJ - 8.0 g
Powder charge approx.	0.380 g
V ₁₆	366 m/s
P	2 350 Bar
Other caliber application	.40 SW



S053-01



Type of propellant	single base - tubular
Bulk density approx.	815 g/l
Main application	7.62 x 39
Bullet	FMJ - 8.0 g
Powder charge approx.	1.60 g
V_5	735 m/s
P	3 163 Bar
Other caliber application	-



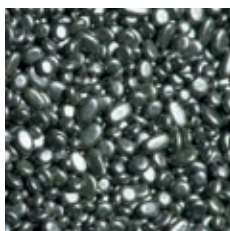
D063-01



Type of propellant	double base - spherical
Bulk density approx.	880 g/l
Main application	7.62 x 39
Bullet	FMJ - 8.0 g
Powder charge approx.	1.65 g
V_{16}	735 m/s
P	3 163 Bar
Other caliber application	-



D073-02



Type of propellant	double base - spherical
Bulk density approx.	900 g/l
Main application	5.56 x 45
Bullet	M193 - FMJ - 3.6 g
Powder charge approx.	1.70 g
V_{24}	964 m/s
P	3 652 Bar
Other caliber application	-



D073-03



Type of propellant	double base - spherical
Bulk density approx.	900 g/l
Main application	5.56 x 45
Bullet	SS109 - FMJ - 4.0 g
Powder charge approx.	1.70 g
V_{24}	914 m/s
P	3 652 Bar
Other caliber application	-



D083-02



Type of propellant	double base - spherical
Bulk density approx.	900 g/l
Main application	7.62 x 51
Bullet	M80 - FMJ - 9.6 g
Powder charge approx.	3,00 g
V_{24}	834 m/s
P	3 516 Bar
Other caliber application	7.62 x 54 R



D083-03



Type of propellant	double base – spherical
Bulk density approx.	900 g/l
Main application	7.62 x 51
Bullet	M80 – FMJ – 9.6 g
Powder charge approx.	3.00 g
V ₂₄	834 m/s
P	3 516 Bar
Other caliber application	REACH



D100-01



Type of propellant	double base – spherical
Bulk density approx.	920 g/l
Main application	12.7 x 99
Bullet	M33 Ball – FMJ – 42.0 g
Powder charge approx.	16.00 g
V ₂₄	885.4 m/s
P	4 343 Bar
Other caliber application	-



D100-02



Type of propellant	double base – spherical
Bulk density approx.	920 g/l
Main application	12.7 x 107
Bullet	B32 – FMJ – 49.0 g
Powder charge approx.	16.00 g
V ₂₅	820.0 m/s
P	2 950 Bar
Other caliber application	-



S082-01



Type of propellant	single base – tubular
Bulk density approx.	g/l
Main application	Minomet 98
Bullet	-
Powder charge approx.	-
V ₅	-
P	-
Other caliber application	Minomet 120



S082-02



Type of propellant	single base – tubular
Bulk density approx.	815 g/l
Main application	23 mm Blank
Bullet	-
Powder charge approx.	-
V ₅	-
P	-
Other caliber application	-



S101-02



Type of propellant	single base - tubular
Bulk density approx.	815 g/l
Main application	14.5 x 114 mm
Bullet	PZ B32
Powder charge approx.	33.0 g
V_s	987.5 m/s
P Crusher	3 300 Bar
Other caliber application	-



S102-01



Type of propellant	single base - tubular
Bulk density approx.	920 g/l
Main application	23 x 152 mm
Bullet	PZT 190 g
Powder charge approx.	77.0 g
V_{10}	965 m/s
P Crusher	2 870 Bar
Other caliber application	-



S102-02



Type of propellant	single base - tubular
Bulk density approx.	920 g/l
Main application	23 x 152 mm
Bullet	FAPDS-T or APDS-T - 130 g
Powder charge approx.	77.0 g
V_{10}	1 170 m/s
P Crusher	3 420 Bar
Other caliber application	-



S104-01



Type of propellant	single base - tubular
Bulk density approx.	950 g/l
Main application	Minomet 98
Bullet	-
Powder charge approx.	-
V_s	-
P	-
Other caliber application	Minomet 120



S104-02



Type of propellant	single base - tubular
Bulk density approx.	950 g/l
Main application	Minomet 98 mm
Bullet	-
Powder charge approx.	-
V_o	-
P Crusher	-
Other caliber application	-



S105-02



Type of propellant	single base – tubular
Bulk density approx.	950 g/l
Main application	30 x 165 mm
Bullet	APFSDS-T – 192 g
Powder charge approx.	128.0 g
V ₀	1 320 m/s
P Crusher	3 530 Bar
Other caliber application	-



S105-03



Type of propellant	single base – tubular
Bulk density approx.	950 g/l
Main application	30 x 165 mm
Bullet	FAPIDS – 235.0 g
Powder charge approx.	122.0 g
V ₀	1 240 m/s
P Crusher	3 530 Bar
Other caliber application	-



S105-04



Type of propellant	single base – tubular
Bulk density approx.	940 g/l
Main application	30 x 173 mm
Bullet	TP – T 365.0 g
Powder charge approx.	160.0 g
V ₀	1 070 m/s
P	4 230 Bar
Other caliber application	-



S105-05



Type of propellant	single base – tubular
Bulk density approx.	940 g/l
Main application	30 x 165 mm
Bullet	JOFNh 389.0 g
Powder charge approx.	122.0 g
V ₀	-
P	4 080 Bar
Other caliber application	-



S105-06



Type of propellant	single base – tubular
Bulk density approx.	950 g/l
Main application	30 x 173 mm
Bullet	APFSDS-T – 235.0 g
Powder charge approx.	170.0 g
V ₀	1 395 m/s
P	4 600 Bar
Other caliber application	-



S105-07



Type of propellant	single base - tubular
Bulk density approx.	940 g/l
Main application	30 x 165 mm
Bullet	AP - T 400.0 g
Powder charge approx.	133.0 g
V ₀	972.5 m/s
P Crusher	3 500 Bar
Other caliber application	-



S105-09



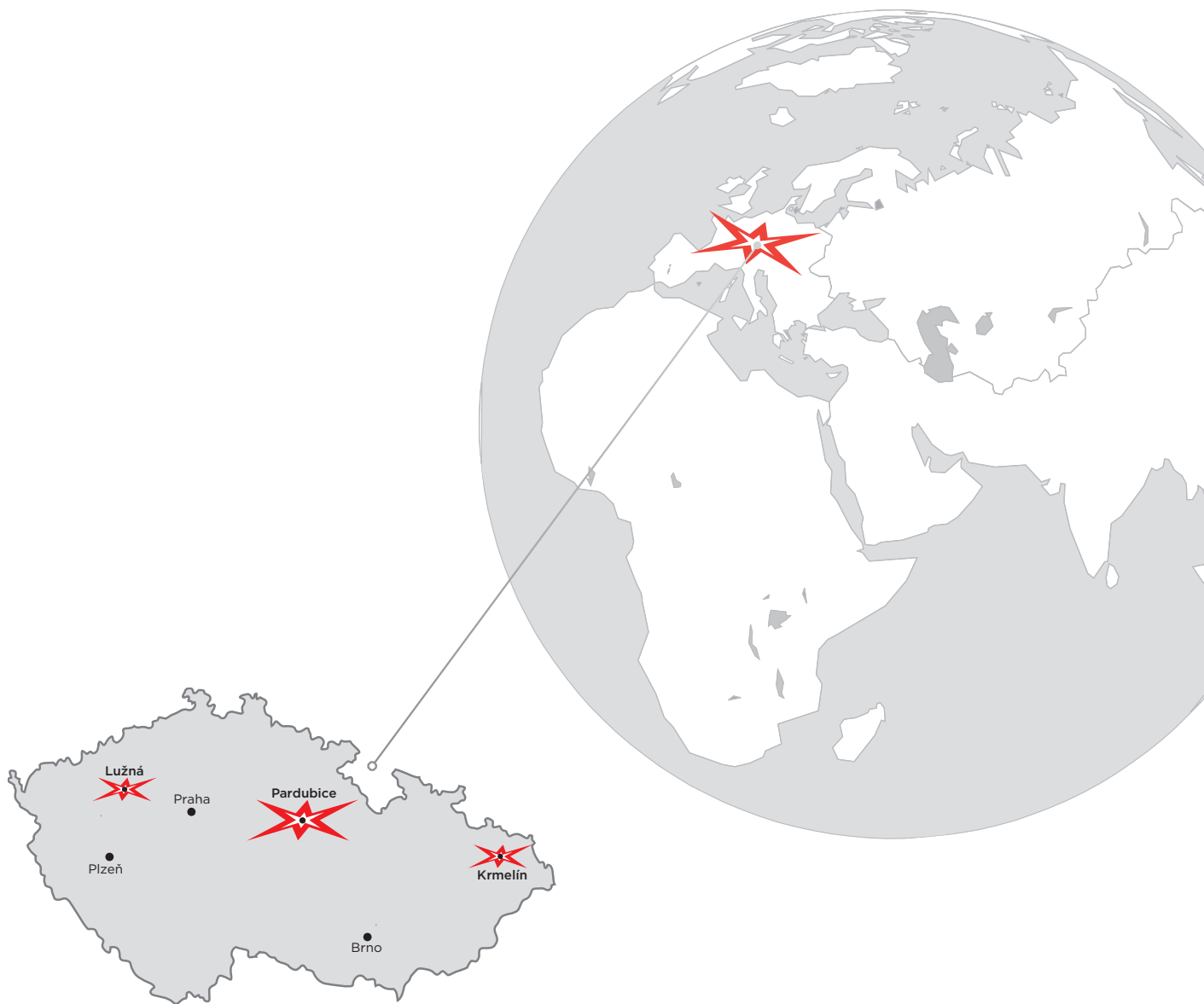
Type of propellant	single base - tubular
Bulk density approx.	940 g/l
Main application	30 x 165 mm
Bullet	HEI - 389.0 g
Powder charge approx.	122.0 g
V ₀	962.5 m/s
P Crusher	3 500 Bar
Other caliber application	-



S105-10



Type of propellant	single base - tubular
Bulk density approx.	940 g/l
Main application	30 x 173 mm
Bullet	TP - T 365.0 g
Powder charge approx.	145.0 g
V ₀	-
P Crusher	5 150 Bar
Other caliber application	-



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