

40x46 mm Round **RLV-CS** & **RLV-CS-2** Grenade with CS composition

RLV-CS NSN: 1310-50-001-2614

RLV-CS-2 NSN: 1310-50-001-3009

The **RLV-CS** and **RLV-CS-2** are less lethal options that produces a gas cloud with concentration of the irritant CS, which causes severe irritation to the eyes, upper respiratory tract and skin.

The intended use is to temporarily incapacitate a person(s) use of physical aggressive activity or disperse crowds with the CS smoke cloud, making it difficult to breathe or see clearly due to the irritating nature of the CS gas.

The Rounds are compatible with:

- Underbarrel Grenade Launchers: ARSENAL UBGL-M6 / UBGL-M7 / UBGL-M16 / M203 / FN GL1 / HK269 / AG36 / and other launchers adopted to use lethal ammunition (combat types, e. g. - HEF / HEDP / AD / TB);
- Stand-alone Grenade Launchers: ARSENAL SAGL / HK169 / HK269 / FN GL-S / M320 / and other launchers adopted to use lethal ammunition (combat types, e. g. – HEF / HEDP / AD / TB);
- Multi-shot Grenade Launchers: Milkor MGL / M32 MGL / ARSENAL MSGL / and other launchers adopted to use lethal ammunition (combat types, e. g. - HEF / HEDP / AD / TB).



40x46 mm Round RLV-CS & RLV-CS-2 Grenade with CS composition

TECHNICAL CHARACTERISTICS	RLV-CS	RLV-CS-2
Type	Low Velocity, CS	Low Velocity, CS
Caliber, mm	40 x 46	40 x 46
Overall length, mm/in	max 105 mm / 4.1 in	max 104.5 mm / 4.1 in
Weight of round, kg/lbs.	max 0.218 kg / 0.48 lbs.	max 0.267 kg / 0.58 lbs.
Payload, g/grains	50 g / 771 gr of pyrotechnic composition containing 7.5 g / 115 gr of CS (15%)	-
Irritant agent	CS	CS
Time of active gas emission, s (Discharge time)	approx. 20 seconds	approx. 20 seconds
Primer type	Percussion, Boxer	Percussion, Boxer
Propellant charge	Double base powder	Double base powder
Cartridge case material	Aluminum alloy	Aluminum alloy
Fuzee	pyrotechnical, delay time	AF416 - point detonating, time and super quick with check action and self-destruction
Armin distance, m	-	from 10 to 40 m
Self-destruction time, s	-	from 14 to 19 seconds
Time of delay, s	from 2.0 to 3.0 seconds	-
Muzzle Velocity, m/s	76	76
Max effective range, m	400 m	400 m
Radius of action, m	approx. 100 m	approx. 100 m
Operation temperature, °C/°F	from -43°C to 52°C / -45.4°F to 125.6°F	from -43°C to 52°C / -45.4°F to 125.6°F
CLASS OF EXPLOSION HAZARD:	1.4G (6.1, 8); UN 0301	1.4G (6.1, 8); UN 0301

PACKING	RLV-CS	RLV-CS-2
Number of rounds in one wooden case	120 rounds 40 pcs packed in metal airtight box 3 pcs. metal box in a wooden case	120 rounds 40 pcs packed in metal airtight box 3 pcs. metal box in a wooden case
Case dimensions, mm/in	875 x 398 x 206 mm / 34.4 x 15.6 x 8.1 in	875 x 398 x 206 mm / 34.4 x 15.6 x 8.1 in
Case gross weight, kg/lbs.	43 kg / 94.7 lbs.	49 kg / 108.0 lbs.
Case volume, m ³	0.072 m ³	0.072 m ³