

RELAZIONE TECNICO ILLUSTRATIVA

Il Comando Interforze per le Operazioni delle Forze Speciali (COFS) ha la necessità dotare il Comparto Operazioni Speciali nazionale di munizionamento di tipo *simunition fx* prodotto dalla soc. *General Dynamics* (compatibile con i *kit simunition* in dotazione ai Reparti del Comparto) da impiegare nell'ambito delle attività addestrative da svolgere dagli assetti schierati nei Teatri Operativi nonché nelle esercitazioni internazionali pianificate.

ESIGENZA

25.000	SIMUNITION CAL 5.56 FX (ROSSO)
25.000	SIMUNITION CAL 5.56 FX (BLU)

Tempistiche per la fornitura entro massimo 90 giorni.

Costo totale dell'esigenza €. **72.500,00** oltre IVA.

Esclusività per la commercializzazione, riconosciuta dal produttore *General Dynamics* a:

PEZT Co. SRL

Via Laveni 2/d

25030 – Adro (BS)

CF – P.IVA 02178650988

Le caratteristiche tecniche del prodotto sono riportate nella successiva scheda tecnica illustrativa del produttore:

SIMUNITION®

5.56MM FX® MARKING CARTRIDGE

AS REAL AS YOU CAN GET™

**FX®
5.56**

Simunition® is the world leader in safe and realistic, interactive, combat training solutions.

The 5.56mm FX® is designed using the Simunition® patented reduced energy technology and works with a Simunition® Certified Conversion Kit, increasing safety and ensuring proper weapon functioning.

THE 5.56MM FX® MARKING CARTRIDGE HAS MANY IMPRESSIVE FEATURES:

- > Designed for military, law enforcement and approved range programs
- > Non-toxic and non-lethal cartridge
- > Detergent-based, water-soluble, color marking compound
- > Available in red, blue, white and yellow. FX® Non-Marking also available
- > Similar impact penalty as the 9mm FX® Marking cartridge
- > Visible impacts allow accurate assessment of simulated lethality
- > Tactically accurate to 30m (100ft)
- > Convenient for training any time, any place, indoors and outdoors
- > Affordable
- > Used with FX® 9000 series Protective Equipment

IN ADDITION, THE SIMUNITION® CONVERSION BOLT:

- > User-installed temporary weapon conversion; no tool required
- > Safe design diminishes the possibility of firing lethal ammunition
- > Works with the user's service weapon without adding extra weight
- > Realistic weapon functioning capable of firing in semi-auto and fully-automatic modes

THE 5.56MM FX® MARKING CARTRIDGE IS IDEAL FOR TRAINING:

- > Reality-based, force-on-force interactive scenarios
- > Force-on-target training; practically anywhere
- > Weapon safety handling training
- > Urban fighting (MOUT/FIBUA)
- > Anti-terrorism
- > Convoy protection tactics
- > Compatible with laser-based training simulators
- > Patrol exercises
- > Close-Quarter Battle (CQB)
- > Shoot/no shoot decisions
- > Individual/team situations
- > Room/building/trench clearing
- > Mission rehearsal



FX® SCENARIO INSTRUCTOR AND SAFETY CERTIFICATION COURSE

- > Highly qualified professional trainers
- > Courses are offered worldwide. Visit www.simunition.com for more information on available courses

COMPONENTS

Designation	FX® Marking Cartridge
Caliber	5.56mm
Projectile mass*	Approx. 0.23g (3.5grains)
Projectile material	Plastic
Cartridge case	Copper alloy
Marking compound	Non-toxic, detergent-based, water-soluble
Marking colors	Red, blue, white and yellow
Primer	Small rifle primer or ToxFree® primer
Propellant	Single or double-base smokeless powder

BALLISTIC DATA*

Velocity at 3.5m (12ft): 21°C (70°F)	Approx. 190m/s (623fps); depending on the weapon used
Accuracy at 21°C (70°F)	20cm (8in) at 30m (100ft) shoulder fired, depending on the weapon used
Maximum range (no wind, no elevation)	Approx. 140m (459ft)
Penetration in 20% gelatin at 1m (3ft)	None
Energy at 3.5m (12ft)	Approx. 4.2 joules (3.1ft-lbs)
Ballistic match	Nominal -20cm (-8in) at 30m (100ft) Shoulder fired

TERMINAL EFFECT

Lethality	Non-lethal bruises, welts or scrapes
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USE

General	For use with Simunition® conversion kit only
Operational temperature range	-8°C (18°F) to +40°C (104°F)
Mandatory Personal Protective Equipment, Simunition® approved	Head, throat, groin and full body covering, including hands
Firing modes	Single shot, burst and fully-automatic

STORAGE

Recommended storage	Cool, dry environment, 25°C (77°F) max
Shelf life	Three years, in original packaging
Warranty	One year

WEAPONS

Beretta SC 70-90, ARX160, IWI Tavor X 95 (5.56mm), M249/Minimi/Mk 46, Colt-style M4/M16, Colt Canada C7/C8, C9, AR-15 Family (with or without Sporter block, H&K G36 Family, FN SCAR (5.56mm), FNC/AK5 Family, SIG 550/551/516/M400, Famas, SA80, L85A2, Steyr AUG, AK47 (5.56mm) Center Firearms, H&K 416, SIG MCX, Steyr (Thales), AK47 (ZASTAVA M21)

* Dimensions, weights and velocities are nominal. Values are dependent on type of weapon, barrel length, rifling, cleanliness, etc.

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GUIDELINES FOR USE:

- Intended only for supervised training conducted in accordance with Simunition® safety training protocols by law enforcement, military and Simunition® approved Commercial Range Programs (in select markets)
- Use only under the direction of a qualified Simunition® Training Safety Officer
- Use only in firearms which have been converted with a Simunition® Conversion Kit
- Users must wear approved FX® Personal Protective Equipment (head, throat and groin protection) and full-body covering, including hands
- Simunition® requires a minimum 1m (3ft) stand-off distance when firing clipped 5.56mm FX® Marking Cartridge at protected personnel and 2m (6ft) for linked 5.56mm FX® Marking Cartridge
- Clearly identify converted weapons with FX® blue tape on the barrel, grip and magazines
- General Dynamics assumes no responsibility for injuries, loss or damage resulting from misuse of this ammunition

SIMUNITION, SAFETY AS THE STANDARD®
WWW.SIMUNITION.COM



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