



# SC-127 THUNDERBOLT

COMMITTED TO INNOVATION AND EXCELLENCE



## SCD THUNDERBOLT Overview

THUNDERBOLT rifles are a new genre of rifle designs specifically for Law Enforcement and Military applications. We skillfully combine our knowledge with the latest computer 3D modelling, CNC machining and premium grade materials, to make the most accurate rifle you could ever own, coupled with reliability, comfort, strength and safety.



The SC-127 THUNDERBOLT has an engagement range up to 2,200 m, dependent upon ammunition, type of target and shooters' skill.

All SCD rifle systems are designed to accept commercially available day scopes, night vision and thermal imaging sights.

## SCD THUNDERBOLT Rifles



- Our new action uses a rugged, high tensile steel 4-lug bolt, incorporating a new innovative firing pin system. The short firing pin travel enables a very fast 'lock time' (time from pulling the trigger to striking the primer) of around 1.5 milliseconds, vital for making a crucial shot with a long barrel rifle.
- The heavy recoil plate system is located into both the action body and rifle stock; this is essential for rifle accuracy and greatly assists recoil management.
- Low friction, wear resistant VDP coatings, reduces the need for lubrication making these weapons ideally suited for the harsh gritty conditions experienced in the deserts; damp dirty conditions of forest and jungle; performing equally well in extreme hot and cold conditions.
- The rifle safety lever is incorporated in the trigger mechanism for right handed operation; optionally the safety can be readily adapted for left handed operation when required.
- The most critical link between the shooter and the rifle is the trigger. All SCD triggers are designed with two (2) stage operation, 1<sup>st</sup> and 2<sup>nd</sup> pull, factory set to a 1.5 kg pull weight for safety, with a crisp, predictable release. Maintenance requirement is minimal, but should the need arise as with all of our designs, it is easy to remove and replace for cleaning.
- The main Picatinny scope rail is available with a parallel or angled option to suit the customer requirements. Additional Picatinny rails for the use of ancillary items such as laser illuminators and designators can be easily accommodated as user options.
- SCD barrels are produced to a very high quality match grade specification, fluted for improved heat dissipation and rifle balance. The barrel is threaded at the muzzle for easy attachment and detachment of the muzzle brake or suppressor.
- The SCD designed bipod is fully height adjustable and fits to the forend, maintaining the optimum pivot

position around the centreline of the rifle. Our quick release system ensures no tools are required to attach and detach the bipod.

- Our highly efficient muzzle brakes are a standard fitment to all SCD rifles and greatly reduce recoil; this further enhances the shooting experience and improves accuracy.
- All SCD rifles feature a folding butt stock as standard for easy bore sighting, cleaning, maintenance and transit. It is also adjustable for length with spacers and incorporates a quick deployment mono pod, fully adjustable with thumbwheel fine adjustment.
- Our unique ambidextrous ergonomically designed rifle stock makes the Thunderbolt a pleasure to use; providing greater shooter comfort, reduced recoil and absorbing vibration; this assists in the quick re-acquisition of target from shot to shot. The innovative use of materials in the stock design such as rubber and aircraft specification alloys, have been proven in extremes of hot and cold operational environments to maintain operation, strength and stability.



# SC-127 THUNDERBOLT Specifications

Calibre	12.70 x 99 (50 BMG)	
Engagement Range <sup>1</sup>	Up to 2,200 m	
Accuracy <sup>2</sup>	<1/2 MOA	<0.15 Mil Rad
Magazine	5 Rounds	
Barrel Length	30"	76 cm
Barrel Twist	1:15	1:38.10 cm
Overall Length	57"	148 cm
Folded Length	45"	115 cm
Operational Weight <sup>3</sup>	33 lbs	15.00 kgs
Stock Colours	Black, Drab Olive and Desert	
Muzzle Brake	Std.	
Bipod	Std.	
Sling Attachment	Std.	
Field Tool Kit	Std.	
Field Cleaning Kit	Std.	

Options	Tactical day scope and rings Night Vision and LADS rails Infra-Red and TI Sight Systems Waterproof rigid transit/storage case Drag bag Sound suppressor Sling Training	
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Other Models	SC-76	7.62 x 51 NATO
	SC-86	8.60 x 70 (338 Lap Magnum)

Notes to above	<sup>1</sup> Dependent upon ammunition, shooter skills and visibility. <sup>2</sup> Using match grade ammunition, group size as defined by SCD is measured from shot centre to centre with a four shot group at 100 m. <sup>3</sup> Weight will vary according to accessories and specification.
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Steel Core Designs Ltd., reserves the right to change specifications from those stated in this brochure due to a policy of continual improvement.



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